

WIND-TUNNEL STUDY OF
STS SHUTTLE ASSEMBLY BUILDING,
VANDENBERG AIR FORCE BASE

by

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CSU Project 5-36082

July 1982

Engineering Sciences

OCT 4 1982

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CER82-83JAP-JEC-JHC6

TABLE OF CONTENTS

| <u>Chapter</u> | | <u>Page</u> |
|----------------|--|-------------|
| | LIST OF FIGURES | ii |
| | LIST OF TABLES | iii |
| | LIST OF SYMBOLS | iv |
| 1 | INTRODUCTION | 1 |
| | 1.1 General | 1 |
| | 1.2 The Wind-Tunnel Test | 2 |
| 2 | EXPERIMENTAL CONFIGURATION | 5 |
| | 2.1 Wind Tunnel | 5 |
| | 2.2 Model | 5 |
| 3 | INSTRUMENTATION AND DATA ACQUISITION | 8 |
| | 3.1 Flow Visualization | 8 |
| | 3.2 Pressures | 8 |
| | 3.3 Velocity | 10 |
| 4 | RESULTS | 12 |
| | 4.1 Flow Visualization | 12 |
| | 4.2 Velocity | 12 |
| | 4.3 Pressures | 13 |
| | 4.4 Forces and Moments | 18 |
| 5 | DISCUSSION | 20 |
| | 5.1 Flow Visualization | 20 |
| | 5.2 Wind Velocities | 20 |
| | 5.3 Pressures | 21 |
| | REFERENCES | 23 |
| | FIGURES | 24 |
| | TABLES | 68 |
| | APPENDIX A | 486 |

LIST OF FIGURES

| <u>Figure</u> | | <u>Page</u> |
|---------------|--|-------------|
| 1 | Fluid Dynamics and Diffusion Laboratory | 25 |
| 2 | Wind-Tunnel Configuration | 26 |
| 3 | Pressure Tap Locations and Hot Wire Velocity Probe Locations | 27 |
| 4 | Building Location | 34 |
| 5 | Completed Model in Wind Tunnel and Flow Visualization | 35 |
| 6 | Data Sampling Time Verification | 40 |
| 7 | Mean Velocity and Turbulence Profiles approaching the Model | 41 |
| 8 | Peak Pressure Contours on the Building for Cladding Loads | 42 |
| 9 | Load, Shear, and Moment Diagrams for Selected Wind Directions | 64 |

LIST OF TABLES

| <u>Table</u> | | <u>Page</u> |
|--------------|---|-------------|
| 1 | Key to Configurations | 69 |
| 2 | Wind Velocities and Turbulence Intensities | 70 |
| 3 | ANSI Effective Velocity Pressures for Parts and Portions | 74 |
| 4 | ANSI Effective Velocity Pressures for Structures . . | 74 |
| 5 | Calculation of Reference Pressure | 75 |
| 6 | Maximum Pressure Coefficients and Loads in PSF . . . | 76 |
| 7 | Loads, Shears, and Moments for Each Wind Direction . | 94 |
| 8 | ANSI Equivalent Peak Pressure Coefficients | 354 |
| 9 | ANSI Equivalent Structural Pressure Coefficients . . | 365 |
| 10 | ANSI Equivalent Net Coefficients | 446 |

LIST OF SYMBOLS

| <u>Symbol</u> | <u>Definition</u> |
|------------------|---|
| U | Local mean velocity |
| D | Characteristic dimension (building height, width, etc.) |
| ν, ρ | Kinematic viscosity and density of approach flow |
| $\frac{UD}{\nu}$ | Reynolds number |
| E | Mean voltage |
| A, B, n | Constants |
| U_{rms} | Root-mean-square of fluctuating velocity |
| E_{rms} | Root-mean-square of fluctuating voltage |
| U_{∞} | Reference mean velocity outside the boundary layer |
| X, Y | Horizontal coordinates |
| Z | Height above surface |
| δ | Height of boundary layer |
| T_u | Turbulence intensity $\frac{U_{rms}}{U_{\infty}}$ or $\frac{U_{rms}}{U}$ |
| $C_{p_{mean}}$ | Mean pressure coefficient, $\frac{(p-p_{\infty})_{mean}}{0.5 \rho U_{\infty}^2}$ |
| $C_{p_{rms}}$ | Root-mean-square pressure coefficient, $\frac{((p-p_{\infty}) - (p-p_{\infty})_{mean})_{rms}}{0.5 \rho U_{\infty}^2}$ |
| $C_{p_{max}}$ | Peak maximum pressure coefficient, $\frac{(p-p_{\infty})_{max}}{0.5 \rho U_{\infty}^2}$ |
| $C_{p_{min}}$ | Peak minimum pressure coefficient, $\frac{(p-p_{\infty})_{min}}{0.5 \rho U_{\infty}^2}$ |
| $()_{min}$ | Minimum value during data record |
| $()_{max}$ | Maximum value during data record |

| <u>Symbol</u> | <u>Definition</u> |
|---------------|--|
| p | Fluctuating pressure at a pressure tap on the structure |
| p_{∞} | Static pressure in the wind tunnel above the model |
| F_x, F_y | Forces in X, Y direction |
| A_R | Reference Area |
| CF_X | Force coefficient, X direction, $\frac{F_x}{A_R 0.5\rho U_{\infty}^2}$ |
| CF_Y | Force coefficient, Y direction, $\frac{F_y}{A_R 0.5\rho U_{\infty}^2}$ |

1. INTRODUCTION

1.1 General

A significant characteristic of modern building design is lighter cladding and more flexible frames. These features produce an increased vulnerability of glass and cladding to wind damage and result in larger deflections of the building frame.

The building geometry itself may increase or decrease wind loading on the structure. Wind forces may be modified by nearby structures which can produce beneficial shielding or adverse increases in loading. Overestimating loads results in uneconomical design; underestimating may result in cladding or window failures. Tall structures have historically produced unpleasant wind and turbulence conditions at their bases.

Techniques have been developed for wind-tunnel modeling of proposed structures which allow the prediction of wind pressures on cladding and windows, overall structural loading, and also wind velocities and gusts in pedestrian areas adjacent to the building. Accurate knowledge of the intensity and distribution of the pressures on the structure permits adequate but economical selection of cladding strength to meet selected maximum design winds and overall wind loads for the design of the frame for flexural control.

Modeling of the aerodynamic loading on a structure requires special consideration of flow conditions in order to guarantee similitude between model and prototype. A detailed discussion of the similarity requirements and their wind-tunnel implementation can be found in references (1), (2), and (3). In general, the requirements are that the model and prototype be geometrically similar, that the approach mean velocity at the building site have a vertical profile shape similar to the full-scale

flow, that the turbulence characteristics of the flows be similar, and that the Reynolds number for the model and prototype be equal.

These criteria are satisfied by constructing a scale model of the structure and its surroundings and performing the wind tests in a wind tunnel specifically designed to model atmospheric boundary-layer flows. Reynolds number similarity requires that the quantity UD/ν be similar for model and prototype. Since ν , the kinematic viscosity of air, is identical for both, Reynolds numbers cannot be made precisely equal with reasonable wind velocities. To accomplish this the air velocity in the wind tunnel would have to be as large as the model scale factor times the prototype wind velocity, a velocity which would introduce unacceptable compressibility effects. However, for sufficiently high Reynolds numbers ($>2 \times 10^4$) the pressure coefficient at any location on the structure will be essentially constant for a large range of Reynolds numbers. Typical values encountered are 10^7 - 10^8 for the full-scale and 10^5 - 10^6 for the wind-tunnel model. In this range acceptable flow similarity is achieved without precise Reynolds number equality.

1.2 The Wind-Tunnel Test

The wind-engineering study is performed on a building or building group modeled at scales ranging from 1:100 to 1:400. The building model is constructed of clear plastic fastened together with screws. The structure is modeled in detail to provide accurate flow patterns in the wind passing over the building surfaces. The building under test is often located in a surrounding where nearby buildings or terrain may provide beneficial shielding or adverse wind loading. To achieve similarity in wind effects the area surrounding the test building is also modeled. A flow visualization study is first made (smoke is used to

make the air currents visible) to define overall flow patterns and identify regions where local flow features might cause difficulties in building curtain-wall design. For this study, for the purpose of economy, no terrain features were included and not all adjacent structures were modeled.

The test model, equipped with pressure taps (200 to 600 or more), is exposed to an appropriately modeled atmospheric wind in the wind tunnel and the fluctuating pressure at each tap measured electronically. The model, and the modeled area, are rotated 10 or 15 degrees and another set of data recorded for each pressure tap. Normally, 24 or 36 sets of data (360 degrees of turning) are taken; however, when flow visualization or recorded data indicate high pressure regions of small azimuthal extent, data is obtained in smaller azimuthal steps.

Data are recorded, analyzed and processed by an on-line computerized data-acquisition system. Pressure coefficients of several types are calculated by the computer for each reading on each piezometer tap and are printed in tabular form as computer readout. Using wind data applicable to the building site, representative wind velocities are selected for combination with measured pressures on the building model. Integration of test data with wind data results in prediction of peak local wind pressures for design of glass or cladding and may include overall forces and moments on the structure (by floor if desired) for design of the structural frame. Pressure contours are drawn on the developed building surfaces showing the intensity and distribution of peak wind loads on the building. These results may be used to divide the building into zones where lighter or heavier cladding or glass may be desirable.

The following pages discuss in greater detail the procedures followed and the equipment and data collecting and processing methods used. In addition, the data presentation format is explained and the implications of the data are discussed.

2. EXPERIMENTAL CONFIGURATION

2.1 Wind Tunnel

Wind-engineering studies are performed in the Fluid Dynamics and Diffusion Laboratory at Colorado State University (Figure 1). Three large wind tunnels are available for wind loading studies depending on the detailed requirements of the study. The wind tunnel used for this investigation is shown in Figure 2. All tunnels have a flexible roof adjustable in height to maintain a zero pressure gradient along the test section. The mean velocity can be adjusted continuously in each tunnel to the maximum velocity available.

2.2 Model

In order to obtain an accurate assessment of local pressures using piezometer taps, models are constructed to the largest scale that does not produce significant blockage in the wind-tunnel test section. The models are constructed of 1/8- to 1/2-in. thick Lucite plastic and fastened together with metal screws. Significant variations in the building surface, such as mullions, are machined into the plastic surface. Piezometer taps (1/16 in. diameter) are drilled normal to the exterior vertical surfaces in rows at several or more elevations between the bottom and top of the building. Similarly, taps are placed in the roof and on any sloping, protruding, or otherwise distinctive features of the building that might need investigation.

Pressure tap locations are chosen so that the entire surface of the building can be investigated for pressure loading and at the same time permit critical examination of areas where experience has shown that maximum wind effects may be expected to occur. Locations of the pressure taps for this study are shown in Figure 3. Dimensions are

given both for full-scale building (in ft) and for model (in in.). The pressure tap numbers are shown adjacent to the taps.

The pressure tests are sometimes made in two stages. In the first stage measurements are made on the initial distribution of pressure taps. If it becomes apparent from the data that the loading on the building is being influenced by some unsuspected geometry of the building or adjacent structures, additional pressure taps are installed in the critical areas. The locations of the taps are selected so that the maximum loading can be detected and the area over which this loading is acting can be defined. Any added taps are also shown in Figure 3.

A circular area 750 to 2000 ft in radius depending on model scale and characteristics of the surrounding buildings and terrain is modeled in detail. Structures within the modeled region are made from styrofoam and cut to the individual building geometries. They are mounted on the turntable in their proper locations. Significant terrain features are included as needed. The model is mounted on a turntable (Figure 2) near the downwind end of the test section. Any buildings or terrain features which do not fit on the turntable are placed on removable pieces which are placed upwind of the turntable for appropriate wind directions. A plan view of the building and its surroundings is shown in Figure 4. The turntable is calibrated to indicate azimuthal orientation to 0.1 degree.

The region upstream from the modeled area is covered with a randomized roughness constructed using various sized cubes placed on the floor of the wind tunnel. Different roughness sizes may be used for different wind directions. Spires are installed at the test-section entrance to provide a thicker boundary layer than would otherwise be

available. The thicker boundary layer permits a somewhat larger scale model than would otherwise be possible. The spires are approximately triangularly shaped pieces of 1/2 in. thick plywood 6 in. wide at the base and 1 in. wide at the top, extending from the floor to the top of the test section. They are placed so that the broad side intercepts the flow. A barrier approximately 8 in. high is placed on the test-section floor downstream of the spires to aid in development of the boundary-layer flow.

The distribution of the roughness cubes and the spires in the roughened area was designed to provide a boundary-layer thickness of approximately 4 ft, a velocity profile power-law exponent similar to that expected to occur in the region approaching the modeled area for each wind direction (a number of wind directions may have the same approach roughness). A photograph of the completed model in the wind tunnel is shown in Figure 5. The wind-tunnel ceiling is adjusted after placement of the model to obtain a zero pressure gradient along the test section.

3. INSTRUMENTATION AND DATA ACQUISITION

3.1 Flow Visualization

Making the air flow visible in the vicinity of the model is helpful (a) in understanding and interpreting mean and fluctuating pressures, and (b) in defining zones of separated flow and reattachment and zones of vortex formation where pressure coefficients may be expected to be high. Titanium tetrachloride smoke is released from sources on and near the model to make the flow lines visible to the eye and to make it possible to obtain motion picture records of the tests. Conclusions obtained from these smoke studies are discussed in Sections 4.1 and 5.1.

3.2 Pressures

Mean and fluctuating pressures are measured at each of the pressure taps on the model structure. Data are obtained for 24 or 36 wind directions, rotating the entire model assembly in a complete circle. One hundred thirty-eight pieces of 1/16 in. I.D. plastic tubing are used to connect 138 pressure ports at a time to three 46 tap valve assemblies mounted below the model. Each of the 46 measurement ports is directed in turn by a switch to a pressure transducer mounted close to the valve. The six pressure input taps not used for transmitting building surface pressures are connected to a pair of common tubes leading outside the wind tunnel. This arrangement provides both a means of performing in-place calibration of the transducers and, by connecting one of the tubes to a pitot tube mounted inside the wind tunnel, a means of automatically monitoring the tunnel speed. The valves are operated by means of solenoids mounted with the valves. The solenoids are computer-controlled, and step the valves into each of the 48 required

positions. The computer keeps track of valve position but a digital readout of position is provided at the wind tunnel.

The pressure transducers used are Setra differential transducers (Model 237) with a 0.10 psid range. Reference pressures are obtained by connecting the reference sides of the four transducers, using plastic tubing, to the static side of a pitot-static tube mounted in the wind tunnel free stream above the model building. In this way the transducer measures the instantaneous difference between the local pressures on the surface of the building and the static pressure in the free stream above the model.

Output from the pressure transducers is fed to an on-line data acquisition system consisting of a Hewlett-Packard 21 MX computer, disk unit, card reader, printer, Digi-Data digital tape drive and a Preston Scientific analog-to-digital converter. The data are processed immediately into pressure coefficient form as described in Section 4.3 and stored for printout or further analysis.

All three transducers are recorded simultaneously for 16 seconds at a 250-sample-per-second rate. The results of an experiment to determine the length of record required to obtain stable mean and rms (root-mean-square) pressures and to determine the overall accuracy of the pressure data acquisition system is shown in Figure 6. A typical pressure port record was integrated for a number of different time periods to obtain the data shown. Examination of a large number of pressure taps showed that the overall accuracy for a 16 second period is, in pressure coefficient form, 0.03 for mean pressures, 0.1 for peak pressures, and 0.01 for rms pressures. Pressure coefficients are defined in Section 4.3.

3.3 Velocity

Mean velocity and turbulence intensity profiles are measured upstream of the model to determine that an approach boundary-layer flow appropriate to the site has been established. Tests are made at one wind velocity in the tunnel. This velocity is well above that required to produce Reynolds number similarity between the model and the prototype as discussed in Section 1.1.

In addition, mean velocity and turbulence intensity measurements are made at various locations of the interior of the building for wind directions for which significant loadings of interior structures might be induced. The measurement locations are shown in Figure 3. The locations are chosen to determine flow around particular interior features.

Measurements are made with a single hot-wire anemometer mounted with its axis vertical. The instrumentation used is a Thermo Systems constant temperature anemometer (Model 1050) with a 0.001 in. diameter platinum film sensing element 0.020 in. long. Output is directed to the on-line data acquisition system for analysis.

Calibration of the hot-wire anemometer is performed by comparing output with the pitot-static tube in the wind tunnel. The calibration data are fit to a variable exponent King's Law relationship of the form

$$E^2 = A + BU^n$$

where E is the hot-wire output voltage, U the velocity and A , B , and n are coefficients selected to fit the data. The above relationship was used to determine the mean velocity at measurement points using the measured mean voltage. The fluctuating velocity in the form U_{rms} (root-mean-square velocity) was obtained from

$$U_{\text{rms}} = \frac{2 E E_{\text{rms}}}{B n U^{n-1}}$$

where E_{rms} is the root-mean-square voltage output from the anemometer. For interpretation all turbulence measurements in the building were divided by the mean velocity outside the boundary-layer U_{∞} . Turbulence intensity in velocity profile measurements used the local mean velocity.

4. RESULTS

4.1 Flow Visualization

Several features can be noted from the flow visualization photographs shown in Figure 5. As with all large structures, wind approaching the building is deflected down to the ground level, up over the structure and around the sides. A description of the smoke test results emphasizing flow patterns of concern relative to possible high-wind load areas is given in Section 5.1.

4.2 Velocity

Velocity and turbulence profiles are shown in Figure 7. Profiles were taken upstream from the model which are characteristic of the boundary layer approaching the model and sometimes at the building site with building removed. The boundary-layer thickness, δ , is shown in Figure 7. The corresponding prototype value of δ for this study is also shown in the figure. This value was established as a reasonable height for this study. The mean velocity profile approaching the modeled area has the form

$$\frac{U}{U_{\infty}} = \left(\frac{z}{\delta}\right)^n.$$

The exponent n for the approach flow established for this study is shown in Figure 7.

Profiles of longitudinal turbulence intensity in the flow approaching the modeled area are shown in Figure 7. The turbulence intensities are appropriate for the approach mean velocity profile selected. For the velocity profiles, turbulence intensity is defined

as the root-mean-square about the mean of the longitudinal velocity fluctuations divided by the local mean velocity U ,

$$Tu = \frac{U_{rms}}{U} .$$

Velocity data obtained at each of the measurement locations shown in Figure 4 are listed in Table 2 as mean velocity U/U_∞ , turbulence intensity U_{rms}/U_∞ , and largest effective gust

$$U_{pk} = \frac{U + 3U_{rms}}{U_\infty} .$$

Measurements were taken for those wind directions for which velocities at the measurement points were considered significant. An analysis of these wind data is given in Section 5.2.

To enable a quantitative assessment of the wind environment, the fastest mile at 30 ft elevation basic wind speed assigned by the sponsor may be used.

4.3 Pressures

For each of the pressure taps examined at each wind direction, the data record is analyzed to obtain four separate pressure coefficients. The first is the mean pressure coefficient

$$C_{p_{mean}} = \frac{(p-p_\infty)_{mean}}{0.5 \rho U_\infty^2}$$

where the symbols are as defined in the List of Symbols. It represents the mean of the instantaneous pressure difference between the building pressure tap and the static pressure in the wind tunnel above the building model, nondimensionalized by the dynamic pressure

$$0.5 \rho U_\infty^2$$

at the reference velocity position. This relationship produces a dimensionless coefficient which indicates that the mean pressure difference between building and ambient wind at a given point on the structure is some fraction less or some fraction greater than the undisturbed wind dynamic pressure near the upper edge of the boundary layer. Using the measured coefficient, prototype mean pressure values for any wind velocity may be calculated.

The magnitude of the fluctuating pressure is obtained by the rms pressure coefficient

$$C_{p_{rms}} = \frac{\left((p-p_{\infty}) - (p-p_{\infty})_{\text{mean}} \right)_{rms}}{0.5 \rho U_{\infty}^2}$$

in which the numerator is the root-mean-square of the instantaneous pressure difference about the mean.

If the pressure fluctuations followed a Gaussian probability distribution, no additional data would be required to predict the frequency with which any given pressure level would be observed. However, the pressure fluctuations do not, in general, follow a Gaussian probability distribution so that additional information is required to show the extreme values of pressure expected. The peak maximum and peak minimum pressure coefficients are used to determine these values:

$$C_{p_{max}} = \frac{(p-p_{\infty})_{max}}{0.5 \rho U_{\infty}^2}$$

$$C_{p_{min}} = \frac{(p-p_{\infty})_{min}}{0.5 \rho U_{\infty}^2}$$

The values of $p-p_{\infty}$ which were digitized at 250 samples per second for 16 seconds, representing about one hour of time in the full-scale, are

examined individually by the computer to obtain the most positive and most negative values during the 16-second period. These are converted to $C_{p_{\max}}$ and $C_{p_{\min}}$ by nondimensionalizing with the free stream dynamic pressure.

The four pressure coefficients are calculated by the on-line data acquisition system computer and tabulated along with the approach wind azimuth in degrees from true north. The list of coefficients is included as Appendix A. The pressure tap code numbers used in the appendix are explained in Figure 3.

In addition, local ANSI equivalent (reference 6) peak and structural coefficients for each tap are included as Tables 8 and 9, respectively.

The local ANSI equivalent peak coefficient is defined as

$$\text{ANSCPP} = \left(C_{P_{\text{neg.peak}}} \right) \left(\frac{21}{q_p} \right)$$

where q_p is a function of the height of the pressure tap location above the ground as shown in Table 3 and $C_{P_{\text{neg.peak}}}$ is the negative pressure coefficient with the largest absolute value as given in Table 6 or Appendix A. The quantity q_p is drawn from the 1972 ANSI Standard (reference 6) tables of effective velocity pressures for parts and portions of buildings and structures. Exposure C is used, with a basic wind speed of 80 mph, the fastest mile at 30 ft as specified by the sponsor.

The local ANSI equivalent structural pressure coefficient is given for each wind direction by

$$\text{ANSCPM} = \left(C_{P_{\text{mean}}} \right) \left(\frac{(21)(1.74)}{q_F} \right)$$

where q_F is a function of the height of the pressure tap location above the ground as given in Table 4 and $C_{P_{\text{mean}}}$ is the mean pressure coefficient for each wind direction given in Appendix A. As before, q_F is

drawn from the 1972 ANSI Standard (reference 6). The factor 1.74 is a gust factor for a 30-second duration gust as given in reference (7). (Also see Table 5.)

Table 10 presents ANSI equivalent net coefficients for each floor, determined by:

$$\text{ANFLCP} = \frac{\text{pressure on a floor level}}{q_F}$$

The numerator is drawn from Table 7.

To determine the largest peak loads acting at any point on the structure for cladding design purposes, the pressure coefficients for all wind directions were searched to obtain, at each pressure tap, the largest peak positive and peak negative pressure coefficients. Table 6 lists the larger values and associated wind directions. Included in Section 5.3 is an analysis of the coefficients of Table 6 including the maximum values obtained and where they occurred on the building.

The pressure coefficients of Table 6 can be converted to full-scale loads by multiplication by a suitable reference pressure selected for the field site. This reference pressure is represented in the equations for pressure coefficients by the $0.5 \rho U_{\infty}^2$ denominator. This value is the dynamic pressure associated with an hourly mean wind at the reference velocity measurement position at the edge of the boundary layer. In general, the method of arriving at a design reference pressure for a particular site involves selection of a design wind velocity, translation of the velocity to an hourly mean wind at the reference velocity location and conversion to a reference pressure. Selection of the design velocity can be made from statistical analysis of extreme wind data or selected from wind maps contained in the proposed wind

loading code ANSI A58.1 of the American National Standards Institute (6). The calculation of reference pressure for this study is shown in Table 5. The factor used in Table 5 to reduce gust winds to hourly mean winds is given in reference (7).

The reference pressure associated with the design hourly mean velocity at the reference velocity location can be used directly with the peak-pressure coefficients to obtain peak local design wind loads for cladding design. Local, instantaneous peak loads on the full-scale building suitable for cladding design were computed by multiplying the reference pressure of Table 5 by the peak coefficients of Table 6 and are listed as peak pressures in that table. The maximum psf load given at each tap location is the absolute value of the maximum value found in the tests, irrespective of its algebraic sign. For ease in visualizing the loads on the structure, contours of equal peak pressures for cladding load shown in Table 6 have been plotted on developed elevation views of the structure, Figure 8. For control of water infiltration from outside to inside, the largest positive (inward-acting) pressure at each tap location is tabulated in Table 6.

For glass design pressures, a glass load factor is used to account for the different duration between measured peak pressures and the one minute loading commonly used in glass design charts. The design pressure used for glass is normally less than the peak pressures used for cladding design because of the static fatigue property of glass which can withstand higher pressures for short duration loads than for long duration loads. Recent research (8) indicates that the period of application of the peak pressures reported herein is about 5-10 seconds or less. If a glass design is based on these peak-pressure values, then a glass

strength associated with this duration load should be used. Because glass design charts are normally based on some alternate load duration--usually one minute--then some reduction in peak loads should be made. An estimate of a load reduction factor can be obtained from an empirical relation of glass strength as a function of load duration. Current glass selection charts showing glass strength as a function of load duration (9) and older references (10) indicate the following load reduction factors:

| | ref 9 | ref 10 |
|-------------------|-------|--------|
| annealed float | 0.80 | 0.81 |
| heat strengthened | 0.94 | |
| tempered | 0.97 | 0.98 |

Loadings appropriate for glass design can be computed by multiplying the peak-pressure loads of Table 6 by these load factors.

4.4 Forces and Moments

Force coefficients in the X and Y directions and moment coefficients about the X, Y, and Z axes may be computed for all wind directions tested by integration of mean pressures on the building. Overall forces and moments acting on the full-scale building due to wind loading which are useful in designing the structural framing of the proposed building may be obtained from use of these coefficients.

Force coefficients were computed for each floor for each wind direction using the equations shown below.

$$CF_X = \frac{F_X}{A_R 0.5 \rho U_\infty^2} \quad CF_Y = \frac{F_Y}{A_R 0.5 \rho U_\infty^2}$$

Terms and symbols used in the equations are defined in the List of Symbols and the axes are defined for the building in Figure 3. Force coefficients CF_X and CF_Y were computed for the forces acting along

the X and Y axes using the mean pressure coefficient at each pressure tap. A_R represents a constant reference area for nondimensionalization of the forces and moments.

The total forces acting on the full-scale building for each floor and wind direction were computed by multiplying the above coefficients by the appropriate full-scale reference area, by the reference pressure of Table 5, and by a gust load factor selected for an appropriate wind gust duration. The gust load factor, shown in Table 5, was selected to increase the loads from an hourly mean load to that of a gust whose duration would be sufficient for its effect to be fully felt by the structure. A table of gust load factors for various gust durations is incorporated in Table 5 so that force and moment data of Table 7 may be adjusted to a different load duration if desired.

The forces obtained at each floor were used to obtain load, shear, and moment diagrams for each wall and the roof for each wind direction. The shear diagram, in kips, was obtained by algebraic sum of all forces in each coordinate direction acting above the floor of interest. The load diagram, in psf, was obtained by dividing the shear values by their contributing areas (listed in Table 7). The moment diagram, in 1000 ft-kips, was obtained by integration of the shear values so that the moment due to forces acting above the floor level of interest was calculated. The sign of the moment was established by the right-hand rule about an X', Y' axis through the floor of interest. Moments about the Z axis were calculated by considering the displacement of forces in the X and Y directions from the Z axis shown in Figure 3. Load, shear, and moment diagrams are shown in Figure 11 for several wind directions.

5. DISCUSSION

5.1 Flow Visualization

Flow patterns identified with smoke did not show characteristics which are usually identified with exceptionally high pressures. Flow through the gap between the Shuttle Assembly Building and the Mobile Service Tower was pronounced for Configuration E (see Figure 5). Flow through the open Shuttle Assembly Building (Configuration A) was pronounced for a range of wind directions from about 225 degrees to about 315 degrees. A separation zone becomes evident on the outside walls for wind directions 225, 240, 255, 285, 300 and 315 degrees.

5.2 Wind Velocities

Figure 3 shows the 17 locations selected for investigation of wind velocities. Locations 1 through 12 are located in the bays of the structural scaffolding inside the Shuttle Assembly Building. They were chosen in order to provide information for calculation of the wind loads on the scaffolding. Locations 13 through 17 were chosen to provide information regarding the wind velocities across the gap between the Shuttle Assembly Building and the Mobile Service Tower.

Table 2 shows that positions 2, 3 and 4, located in the bay nearest the door, experienced the highest mean wind velocities for wind directions in the range from 225 degrees to 270 degrees. Values ranged from 56 to 79 percent of U_{∞} , the mean velocity at boundary layer height.

For wind blowing directly from the north, location 13 experienced a mean wind velocity which was 92 percent of U_{∞} . The mean wind velocity at location 17 was 77 percent of U_{∞} . Location 13 is in the gap between the Shuttle Assembly Building and the Mobile Service Tower on the north side; location 17 is in the corresponding gap on the south side. Much

lower mean velocities occurred inside the buildings between the gaps, as shown in Table 2b.

The largest values of fluctuating velocity were experienced in the scaffolding bays, with a value of 25 percent occurring at location 2. The values across the gap were all less than 11 percent.

The largest values of peak gust, represented by the mean plus 3 rms as discussed in Section 4.2, were measured in the upper bay nearest the door for wind directions 225 through 270 degrees, and in locations 13 and 17 for wind direction 0 degrees. In the bay, peak gust values ranged up to 132 percent. In the gap, a maximum value of 119 percent occurred in location 13.

5.3 Pressures

Table 6 shows the largest peak pressure coefficients and corresponding loads measured on the building for each pressure tap location. Data identified as Configuration A in Table 6 and Appendix A represent data obtained at all pressure tap locations for 24 wind directions for the Shuttle Assembly Building alone as described in Table 1. Configuration B represents data taken at all tap locations for selected wind directions as outlined in Table 1. Configuration C represents data taken at all tap locations for 24 wind directions. Configuration D represents data for external taps only for all wind directions. Configurations E and F were used for one direction only. The largest peak pressure coefficient measured on the building was -4.66 measured for Configuration D at tap 906 on the edge of the roof. Using the reference pressure (effective hourly mean velocity pressure at 400 ft using 80 mph, the fastest mile at 30 ft basic wind speed specified by sponsor) calculated in Table 5 as 21 psf, this coefficient represents a peak external cladding load of -97.8 psf

for the basic wind speed assigned by the sponsor. Figure 10 shows that most areas of the building had peak external cladding pressures of -30 to -60 psf. The total cladding load at a point is within 10 to 15 percent of the algebraic difference between the internal and external peaks at that point as presented in Table 6. Past experience has shown this to be the case, although the internal and external peaks do not necessarily occur at the same time.

For comparison, ANSI equivalent peak pressure coefficients are provided in Table 8. These coefficients do not, in general, match the coefficient, C_p , provided by ANSI (reference 6). The values presented in Table 8 suggest that ANSI values are inadequate for this building. Pressure coefficients for the roof fall within the relatively wide range suggested by ANSI at the corners, although they generally do not match at the interior taps.

Figure 11 shows load, shear and moment diagrams plotted from Table 7 for the largest loads in the X and Y directions (see Figure 3 for the coordinate system). The wind direction giving the largest X shear occurred at azimuth 270 on Configuration C. The maximum value occurred on the south side.

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FIGURES

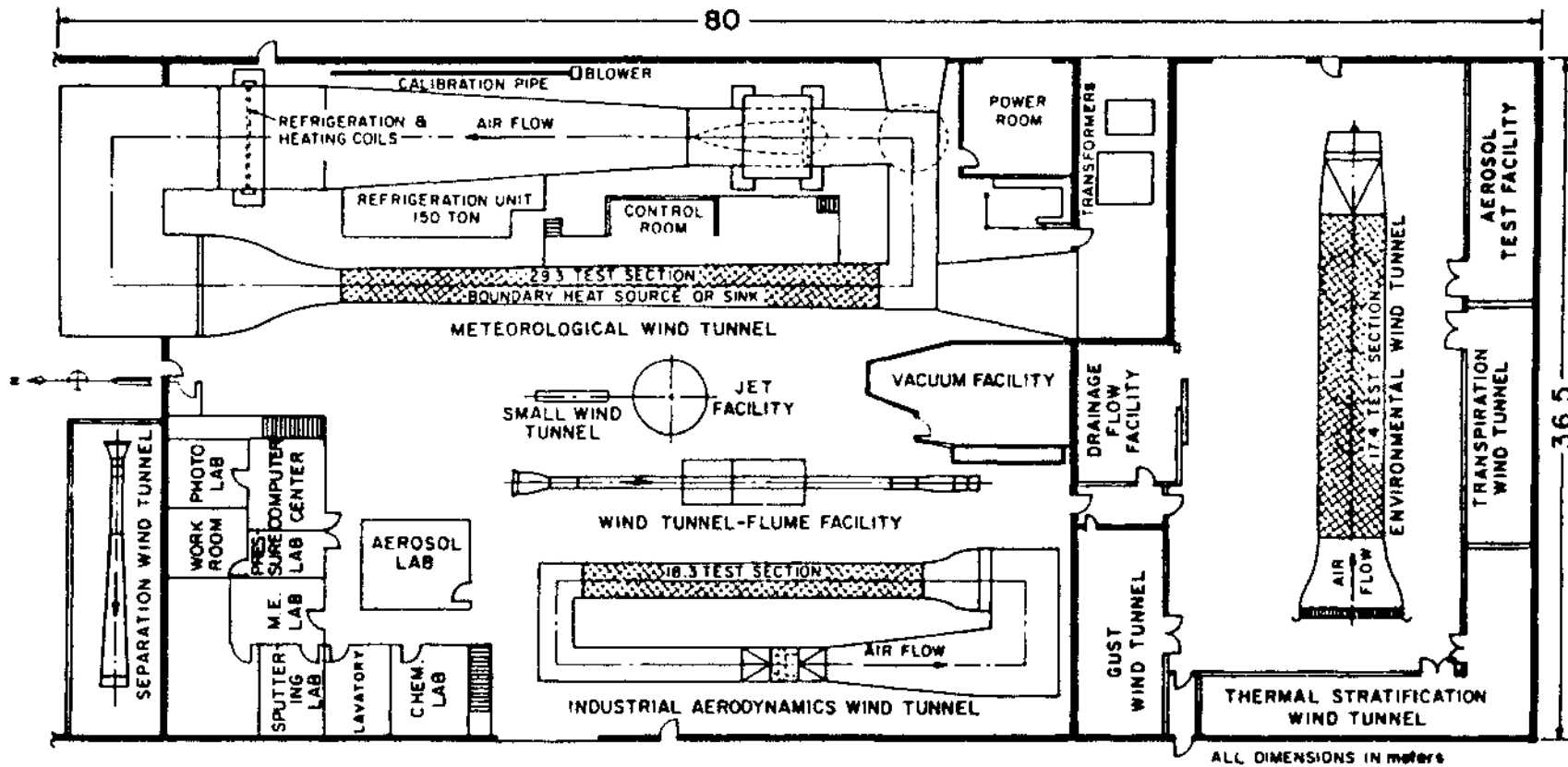
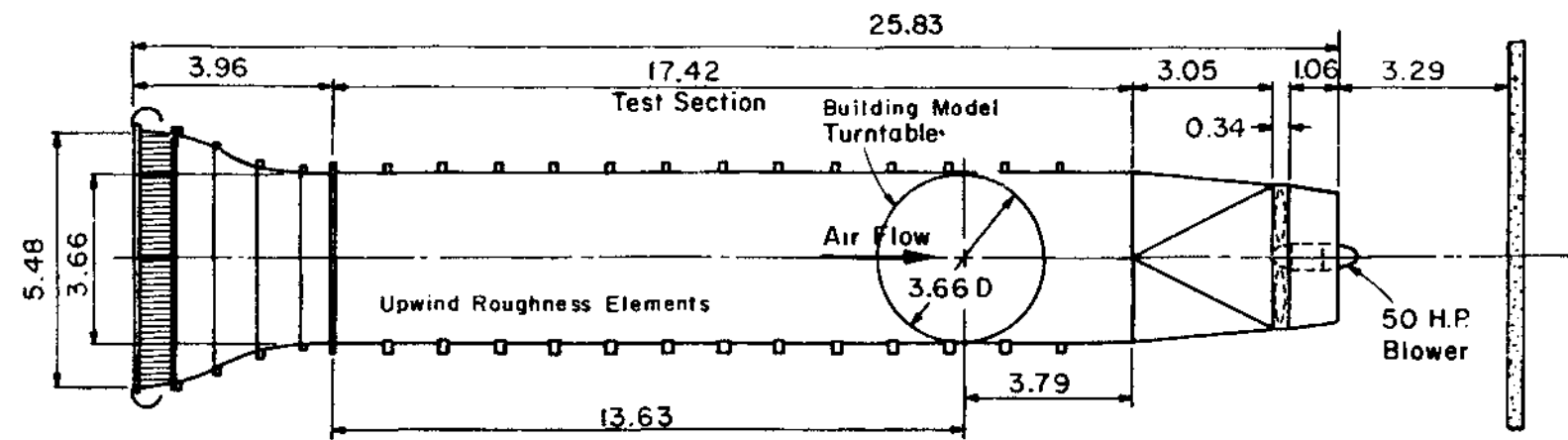
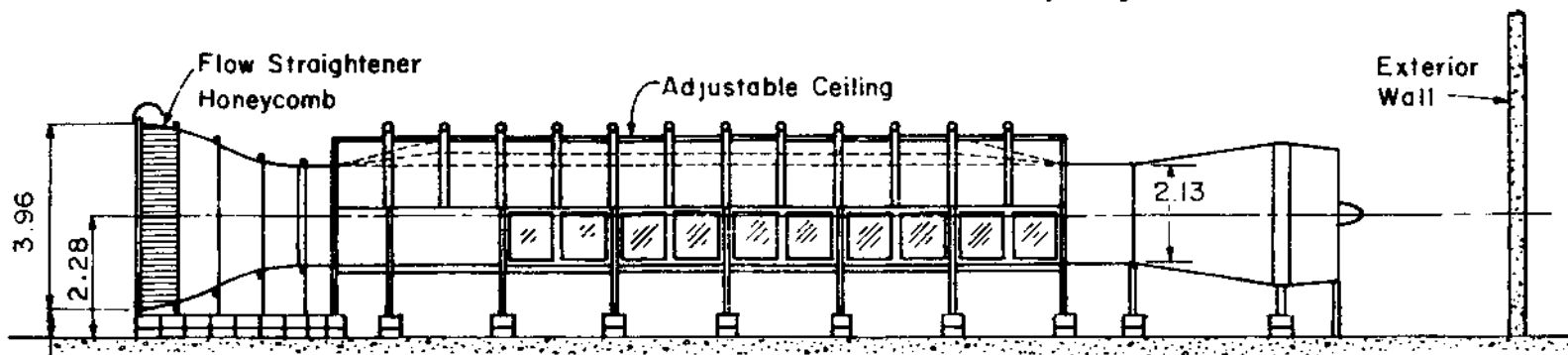


Figure 1. FLUID DYNAMICS AND DIFFUSION LABORATORY
COLORADO STATE UNIVERSITY



PLAN

Velocity Range: 0.3 - 11 m/s

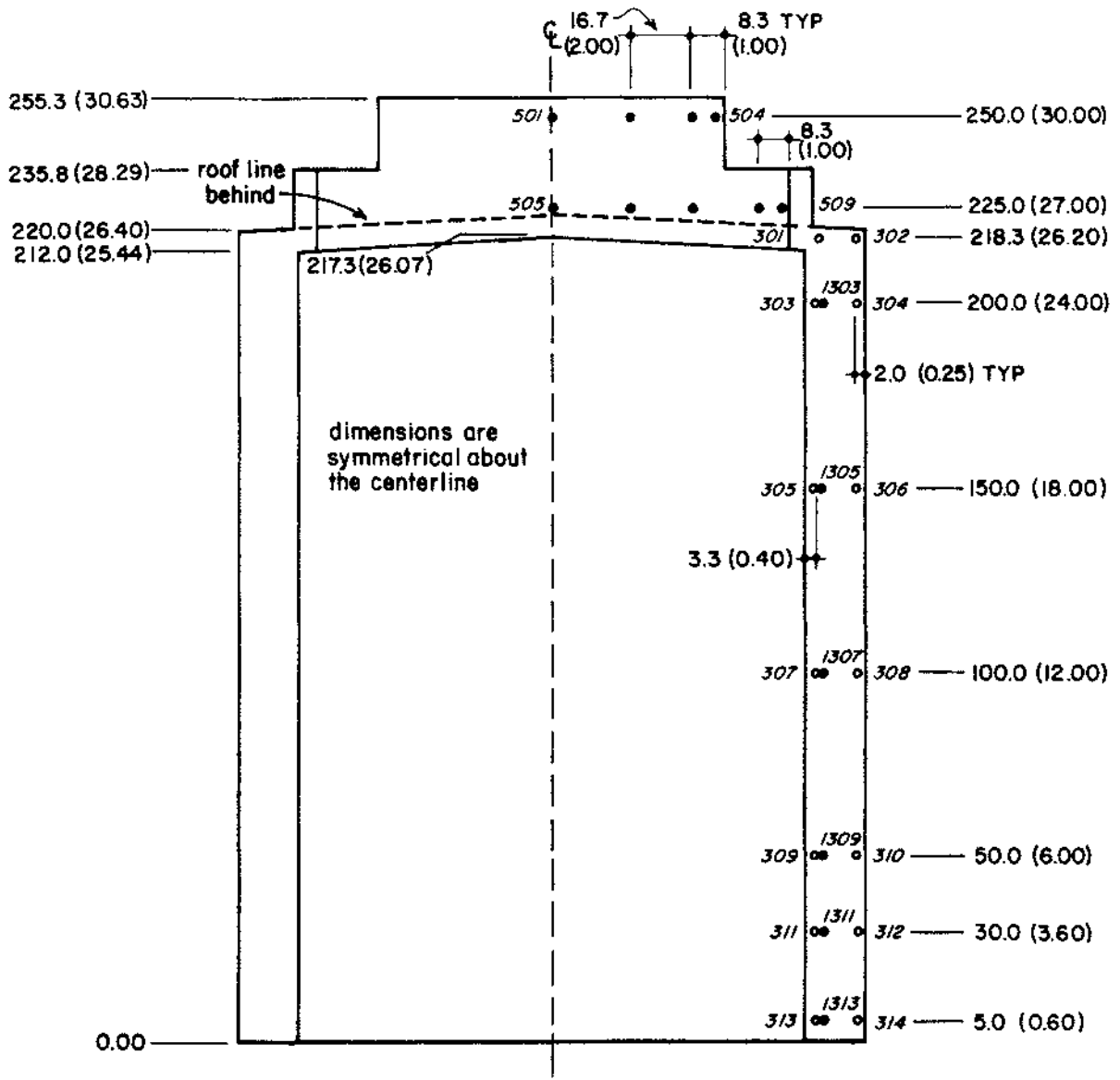


ELEVATION

All Dimensions in m

ENVIRONMENTAL WIND TUNNEL

Figure 2. Wind-Tunnel Configuration



• taps located on the inside of the wall or parapet

Figure 3a. Pressure Tap Locations

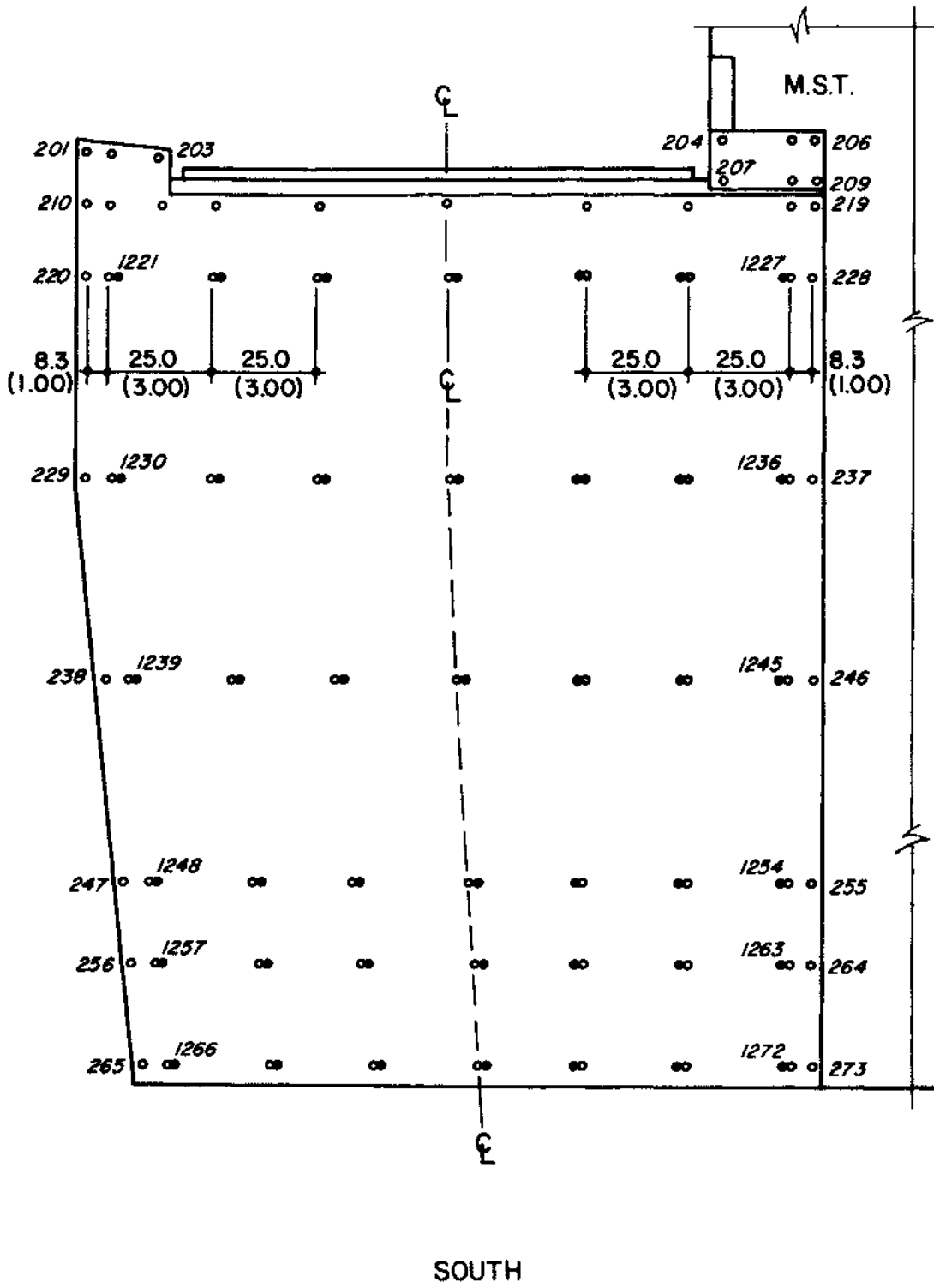


Figure 3b. Pressure Tap Locations

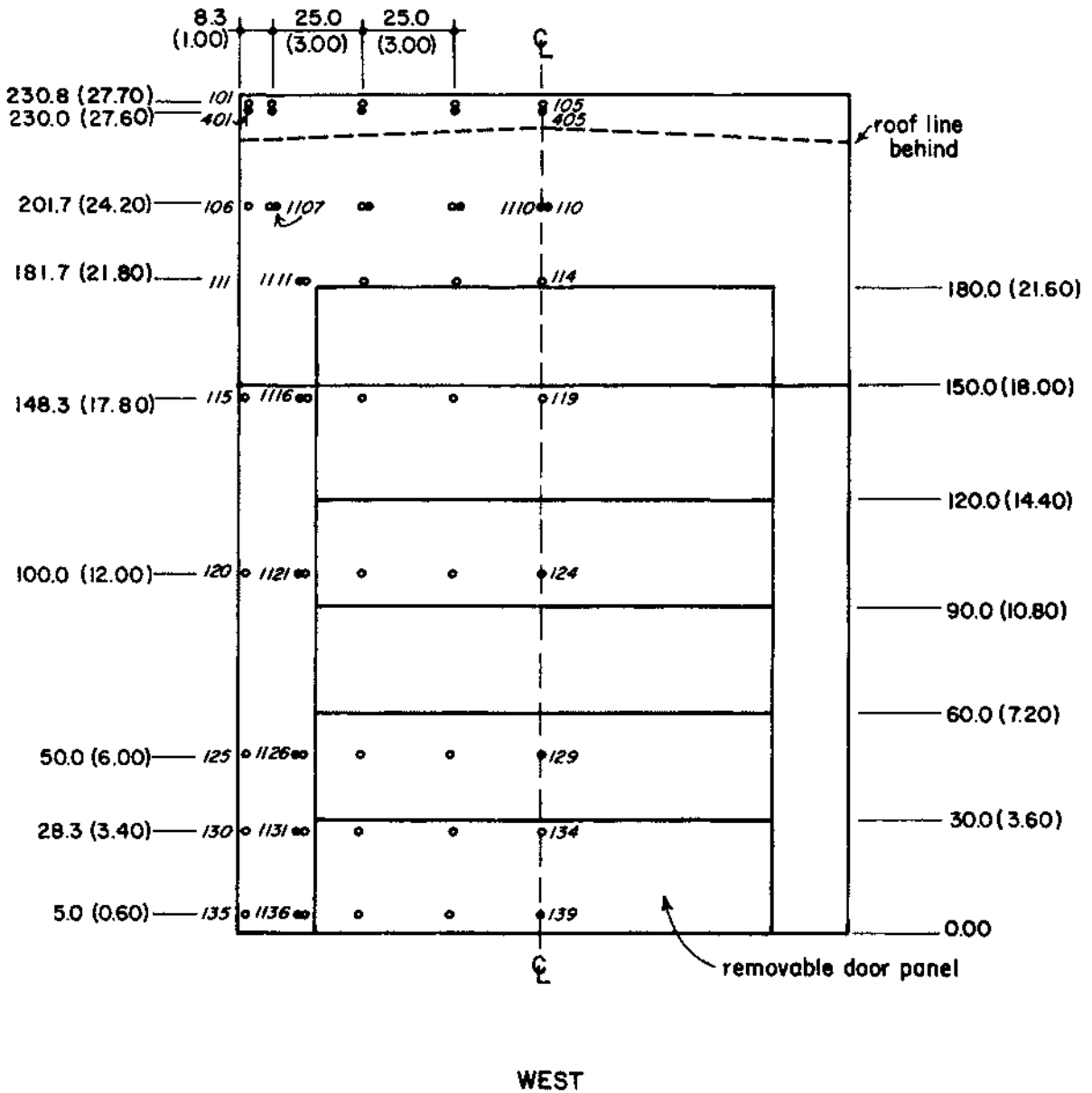
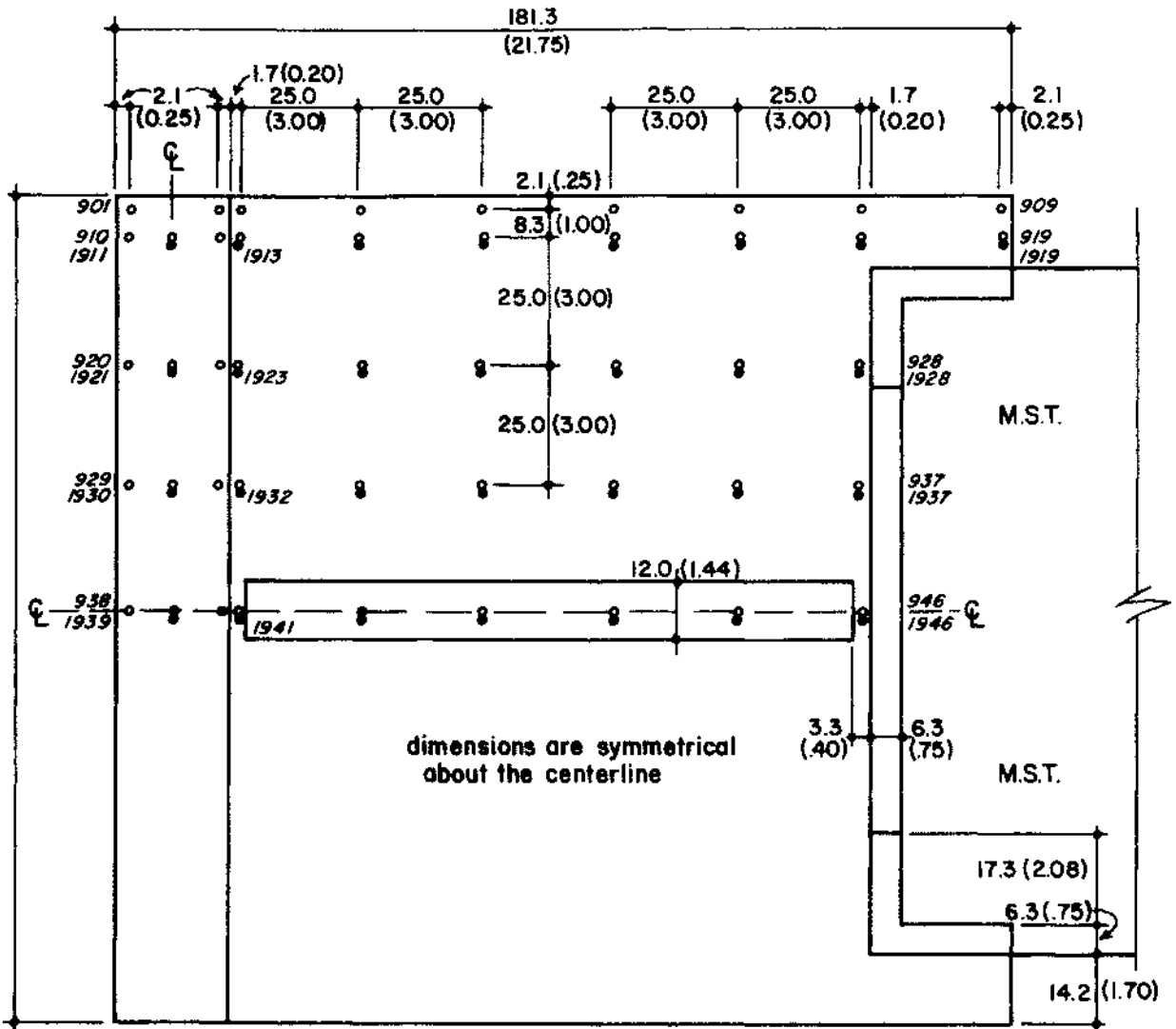


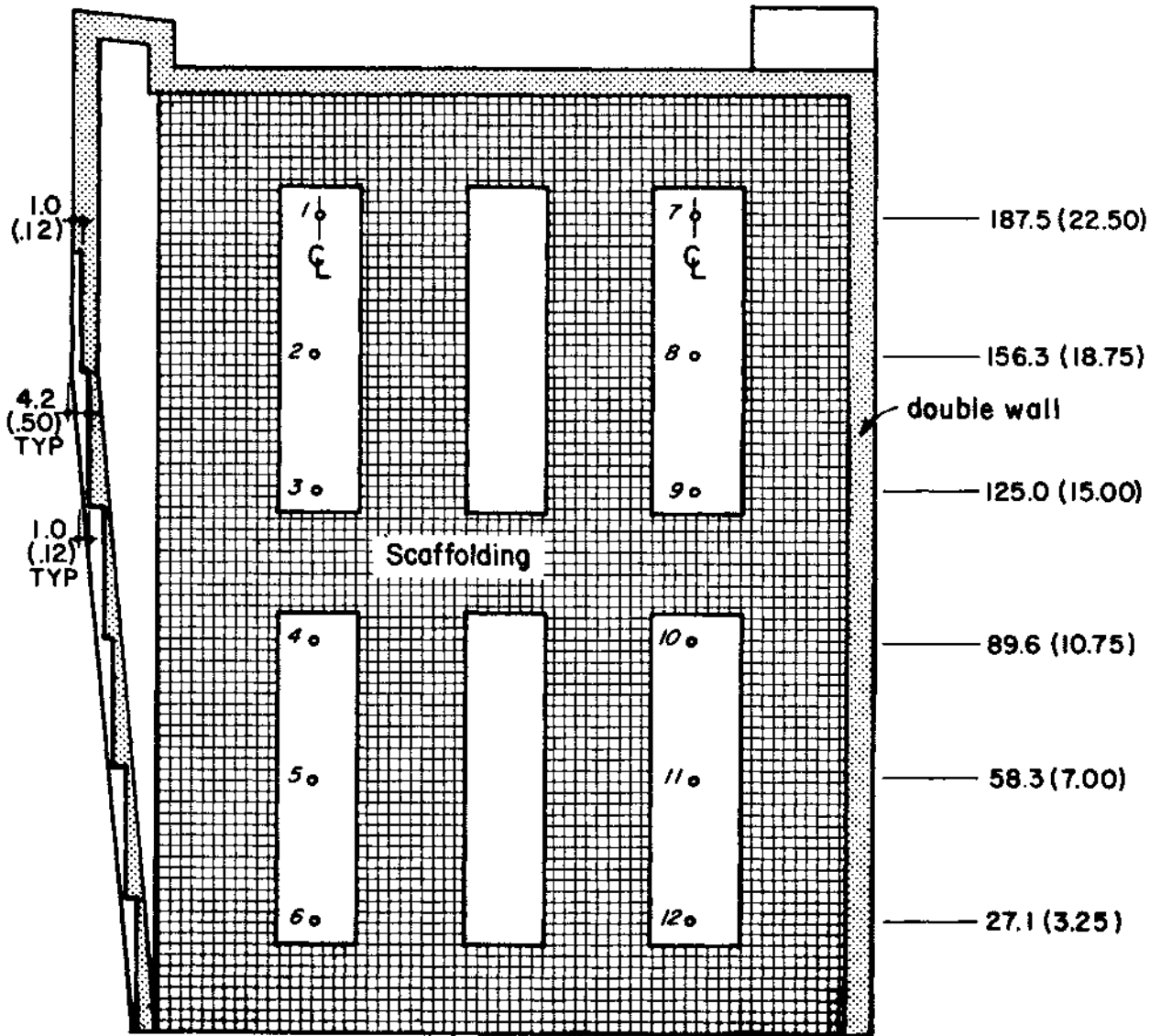
Figure 3c. Pressure Tap Locations



ROOF



Figure 3d. Pressure Tap Locations



NORTH
(inside)

Figure 3e. Hot Wire Velocity Probe Locations

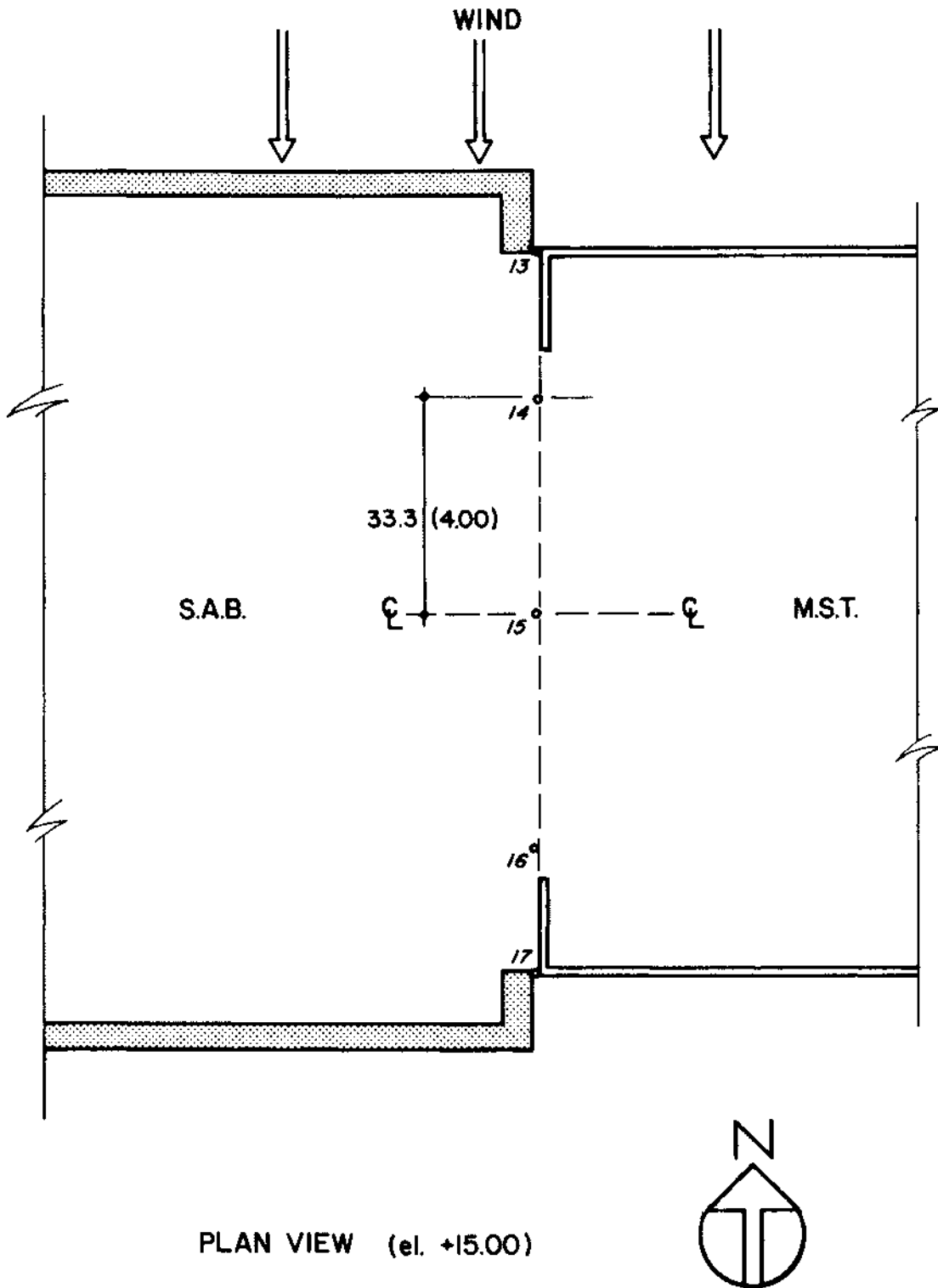


Figure 3f. Hot Wire Velocity Probe Locations

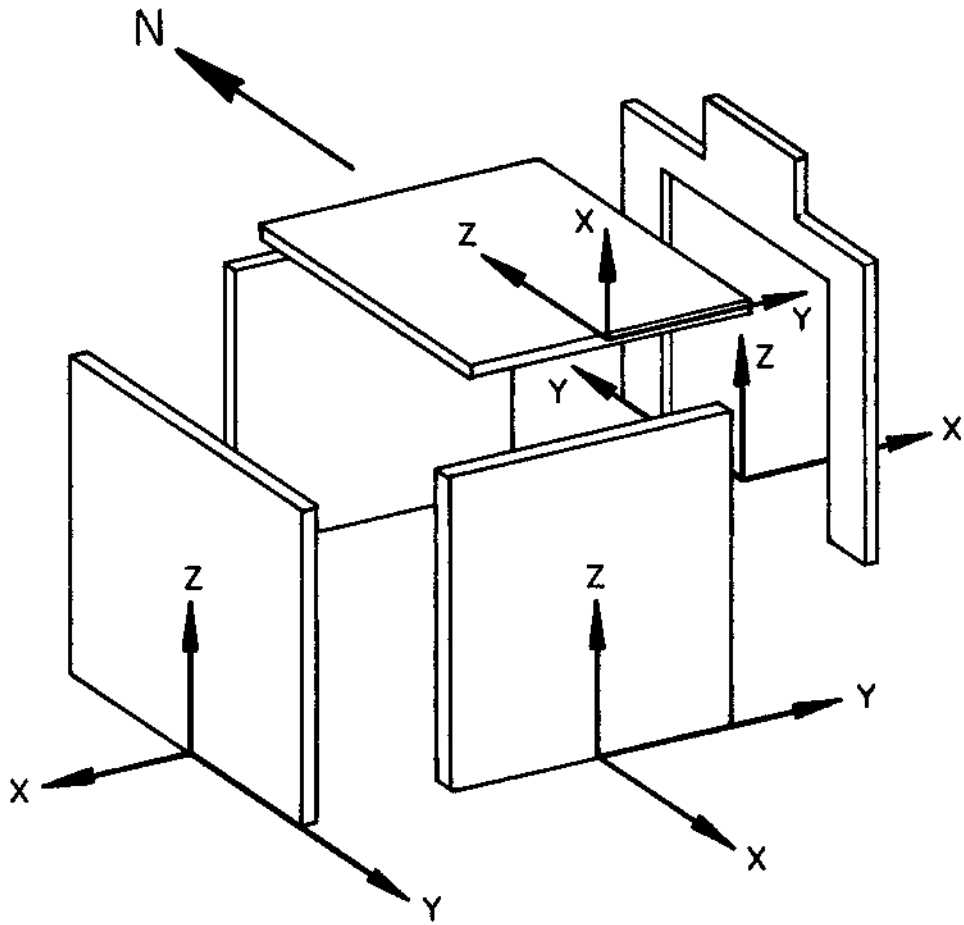


Figure 3g. Coordinate Systems

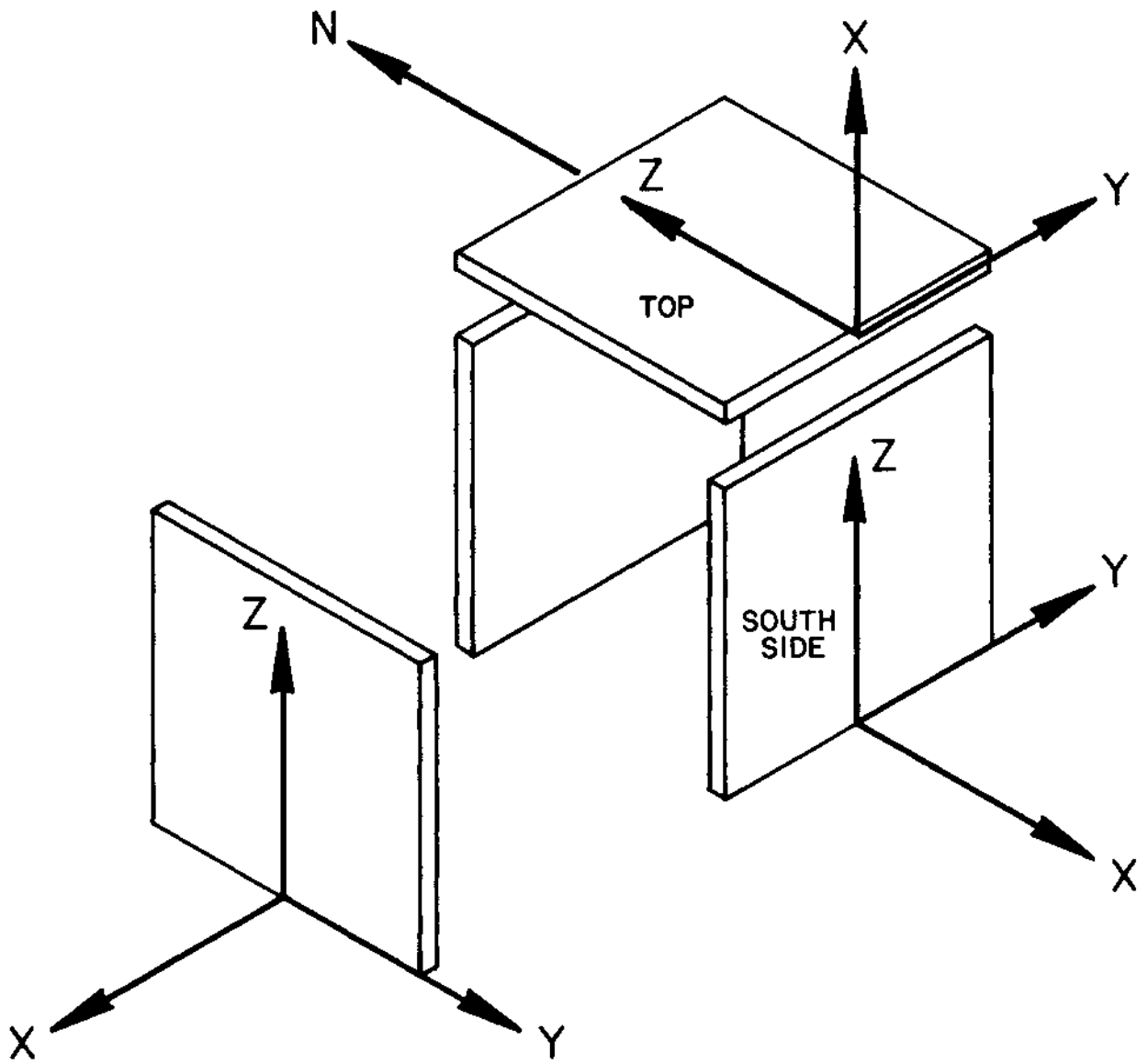
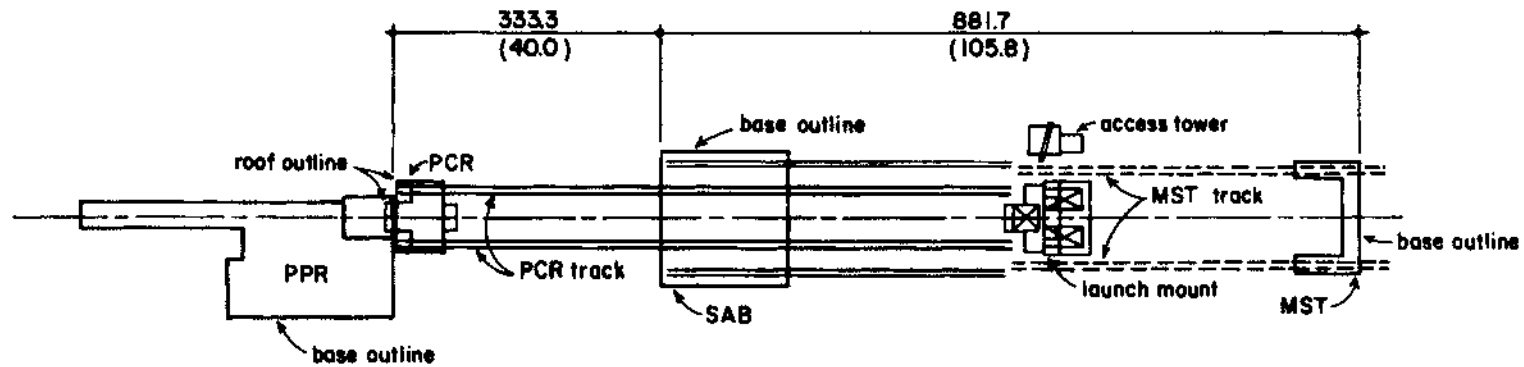


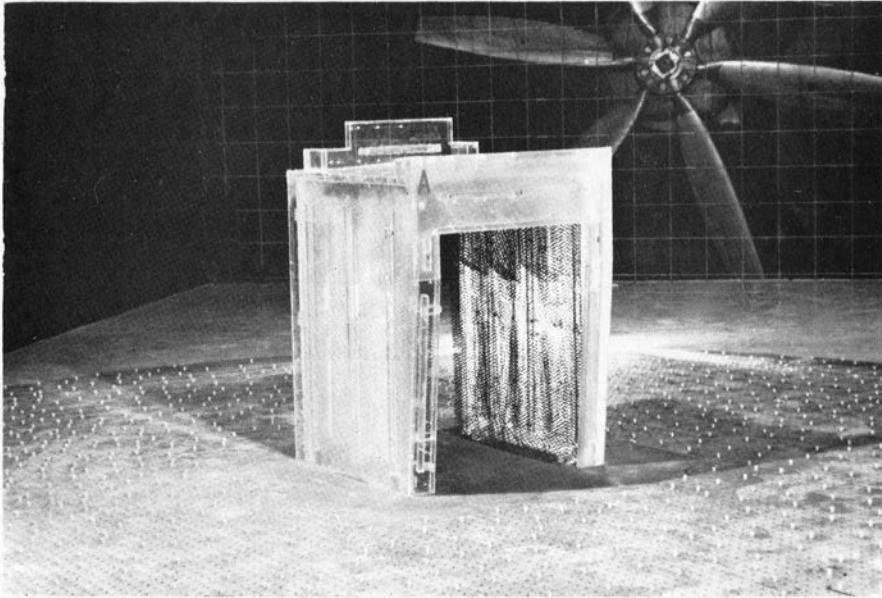
Figure 3g. Coordinate Systems

- NOTE:
- 1) SAB alone in position shown below (Configuration A,B)
 - 2) SAB and MST mated - positioned over launch mount (Configuration C,D)
 - 3) Access tower not modeled for any configuration
 - 4) See figure 5 for photographs of model configurations

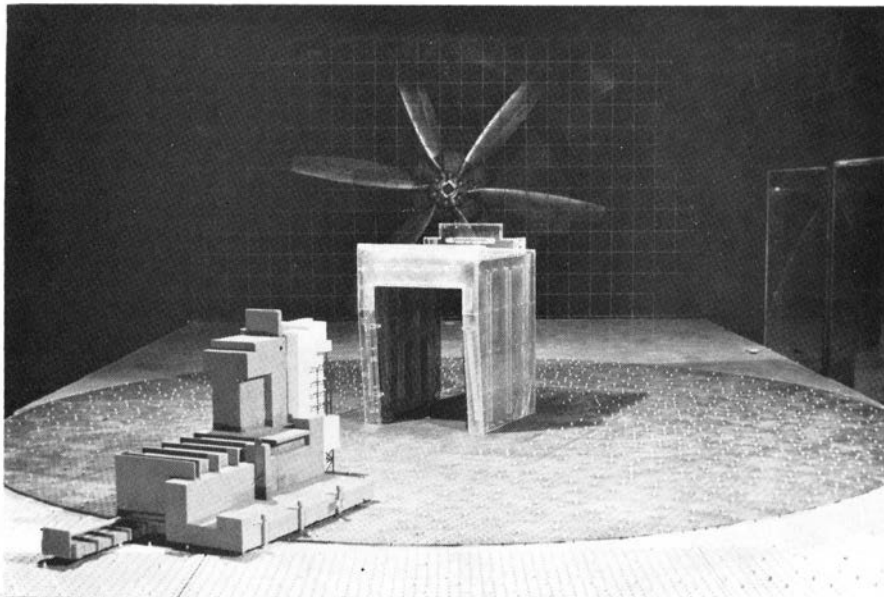


SHUTTLE SERVICE AREA
 MODEL LAYOUT
 MODEL SCALE = 1/100
 TOTAL TAPS = 272
 Dimensions in model inches
 and full scale feet

Figure 4. Building Location



Configuration A

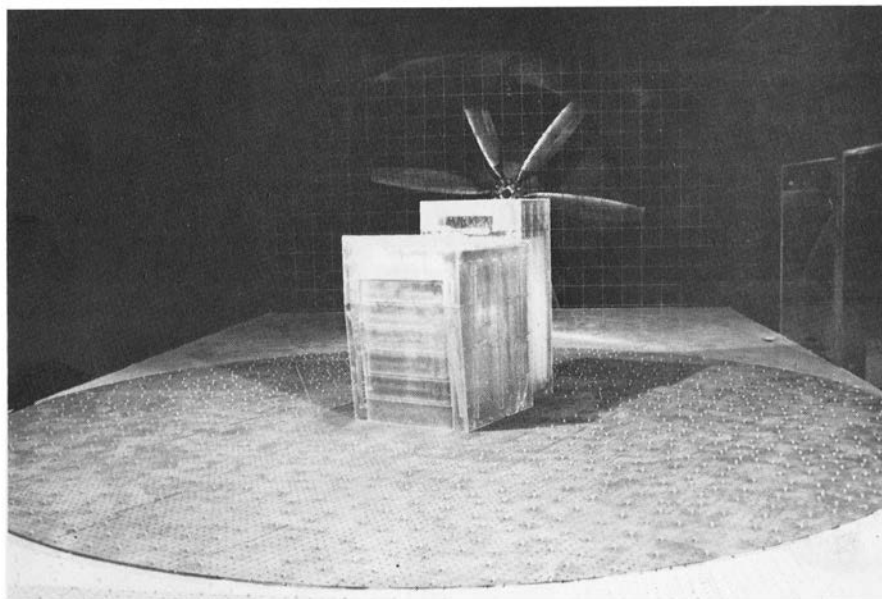


Configuration B

Figure 5. Completed Model in the Wind Tunnel

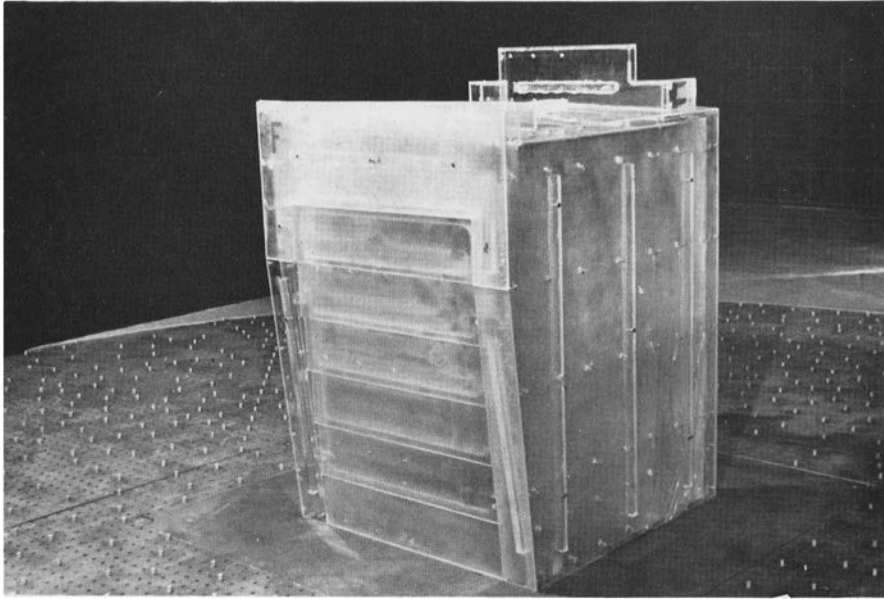


Configuration C



Configuration D

Figure 5. Completed Model in the Wind Tunnel



Configuration F

Figure 5. Completed Model in the Wind Tunnel

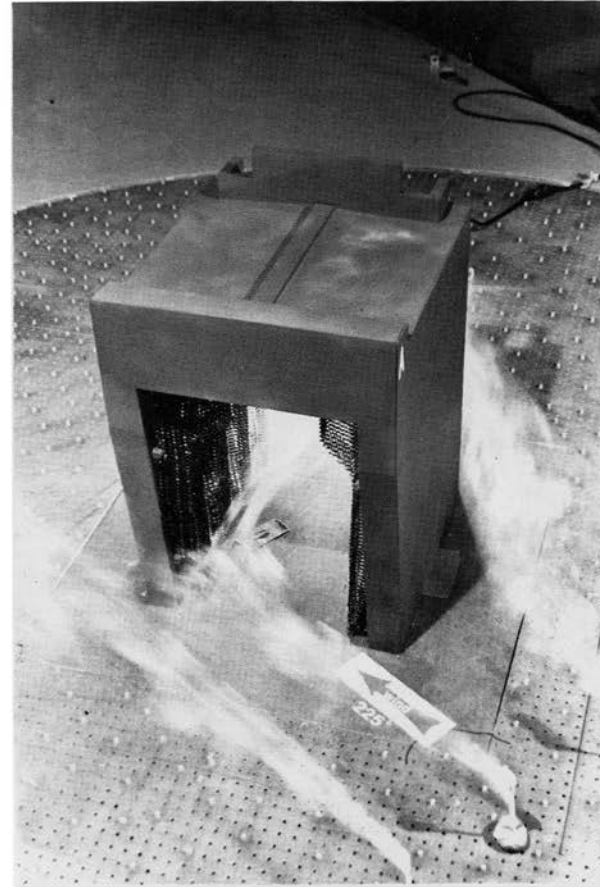
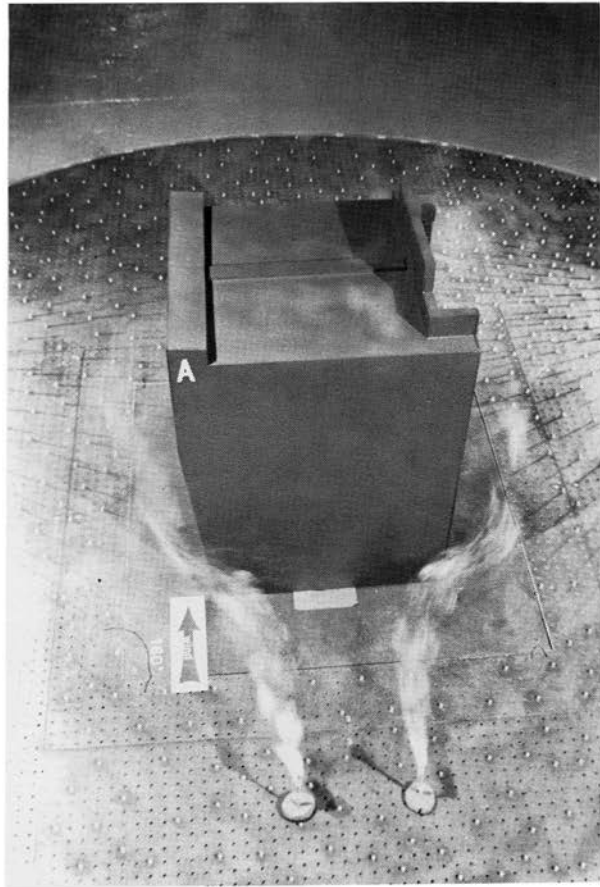


Figure 5. Flow Visualization

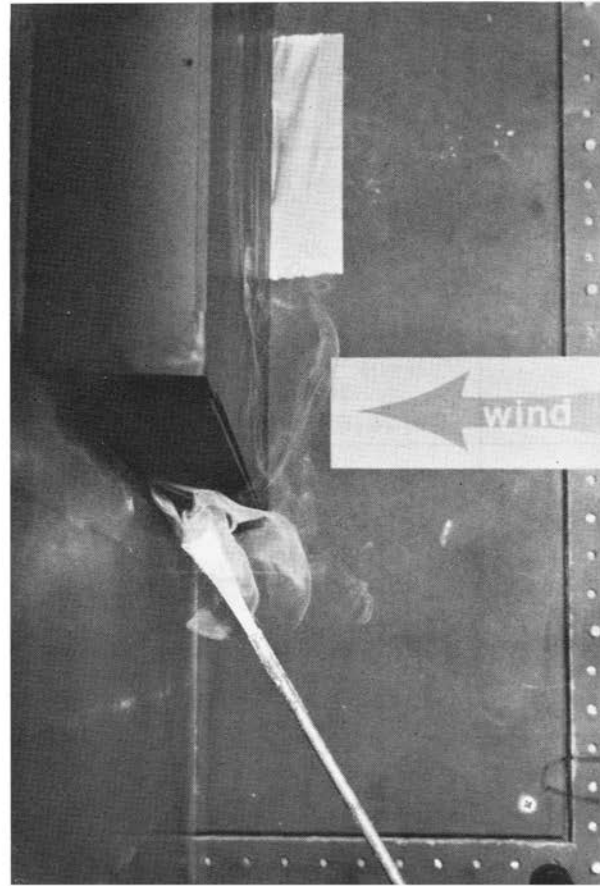
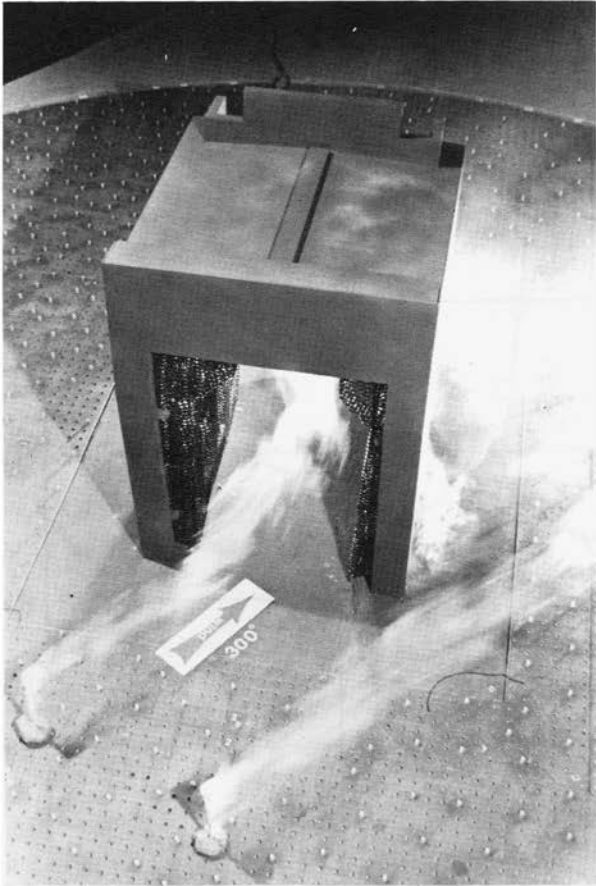


Figure 5. Flow Visualization

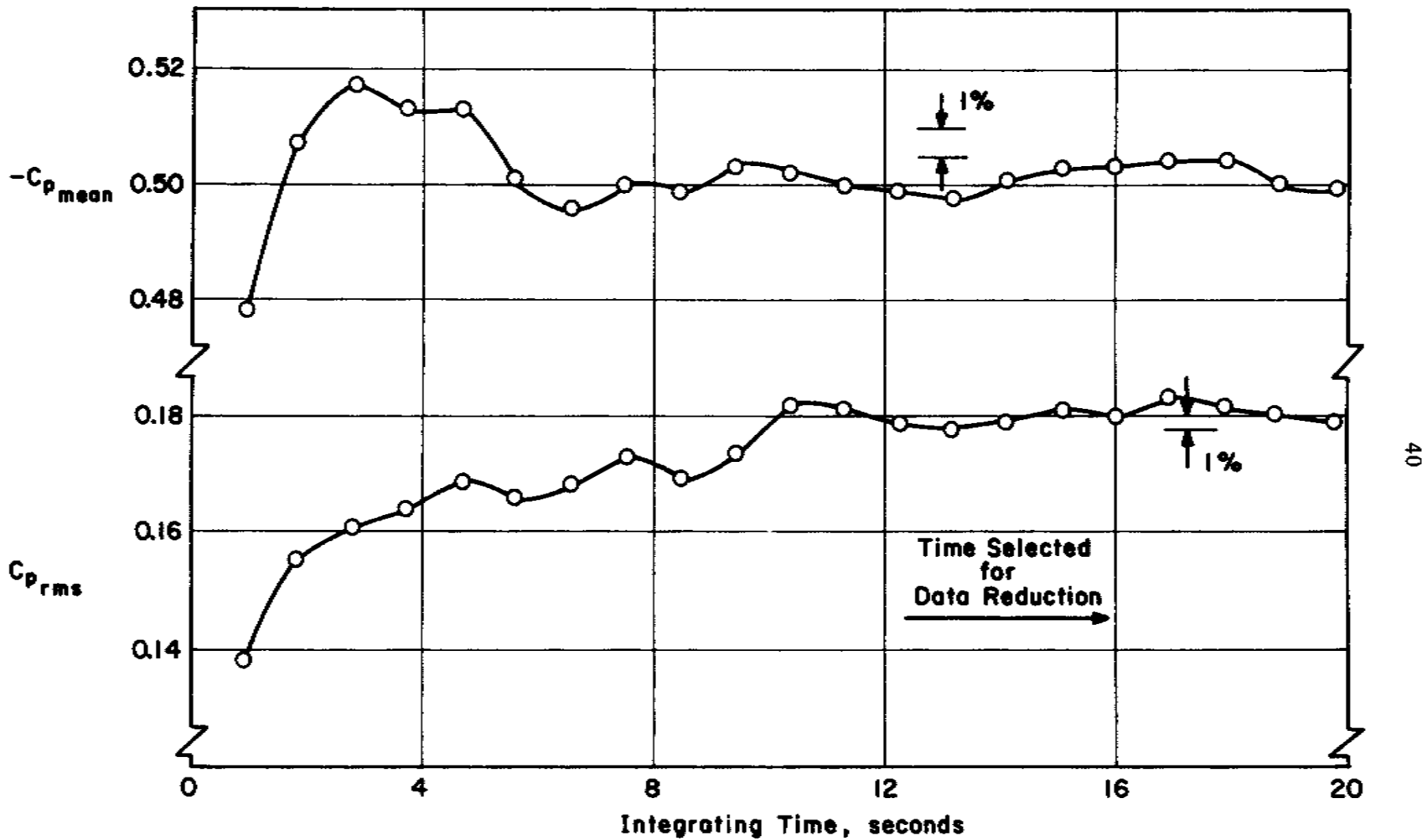


Figure 6. Data Sampling Time Verification

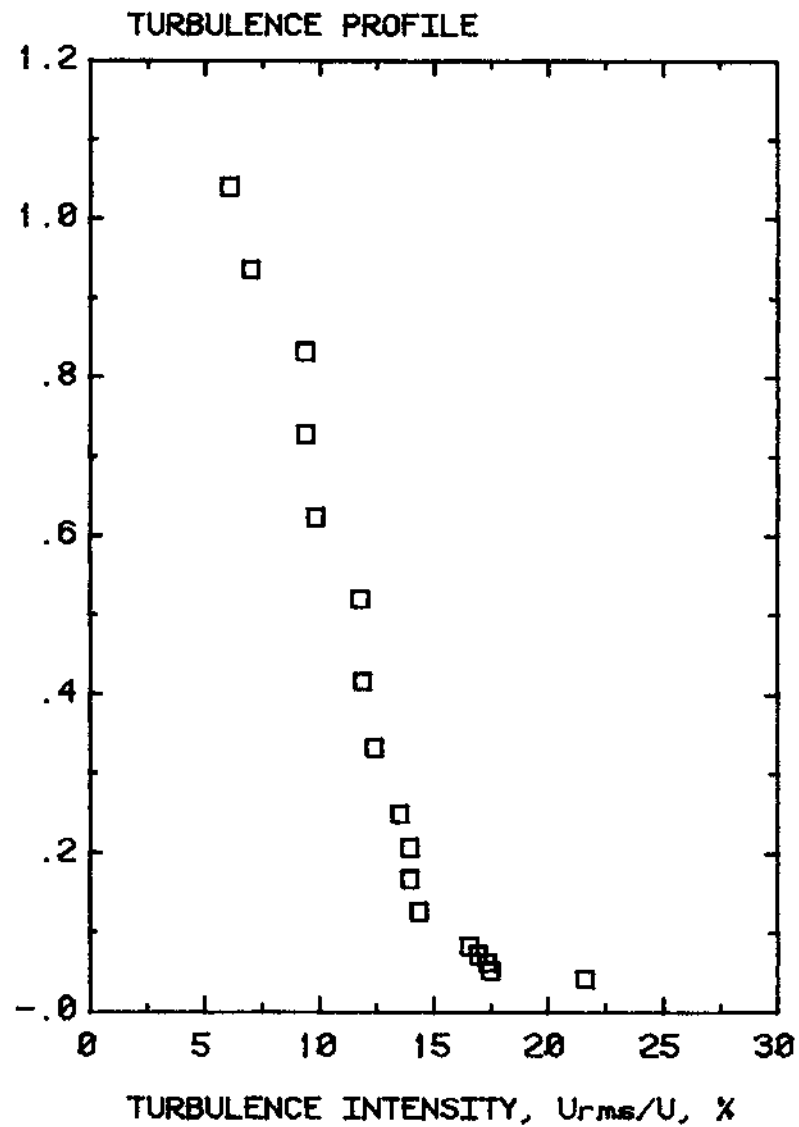
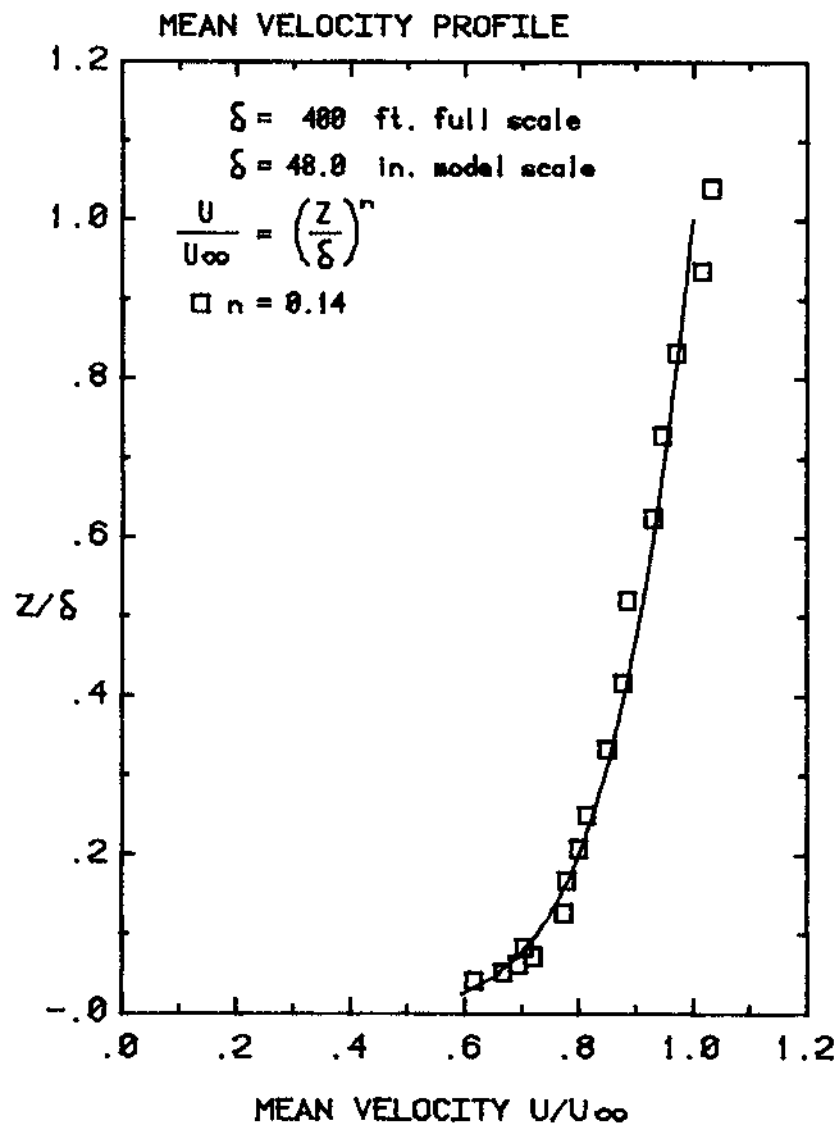


Figure 7. Mean Velocity and Turbulence Profiles Approaching the Model

ROOF
CONFIGURATION A
OUTSIDE
PEAK NEGATIVE CLADDING LOADS (PSF)
FOR 80 MPH FASTEST MILE WIND
REFERENCE PRESSURE = 21 PSF

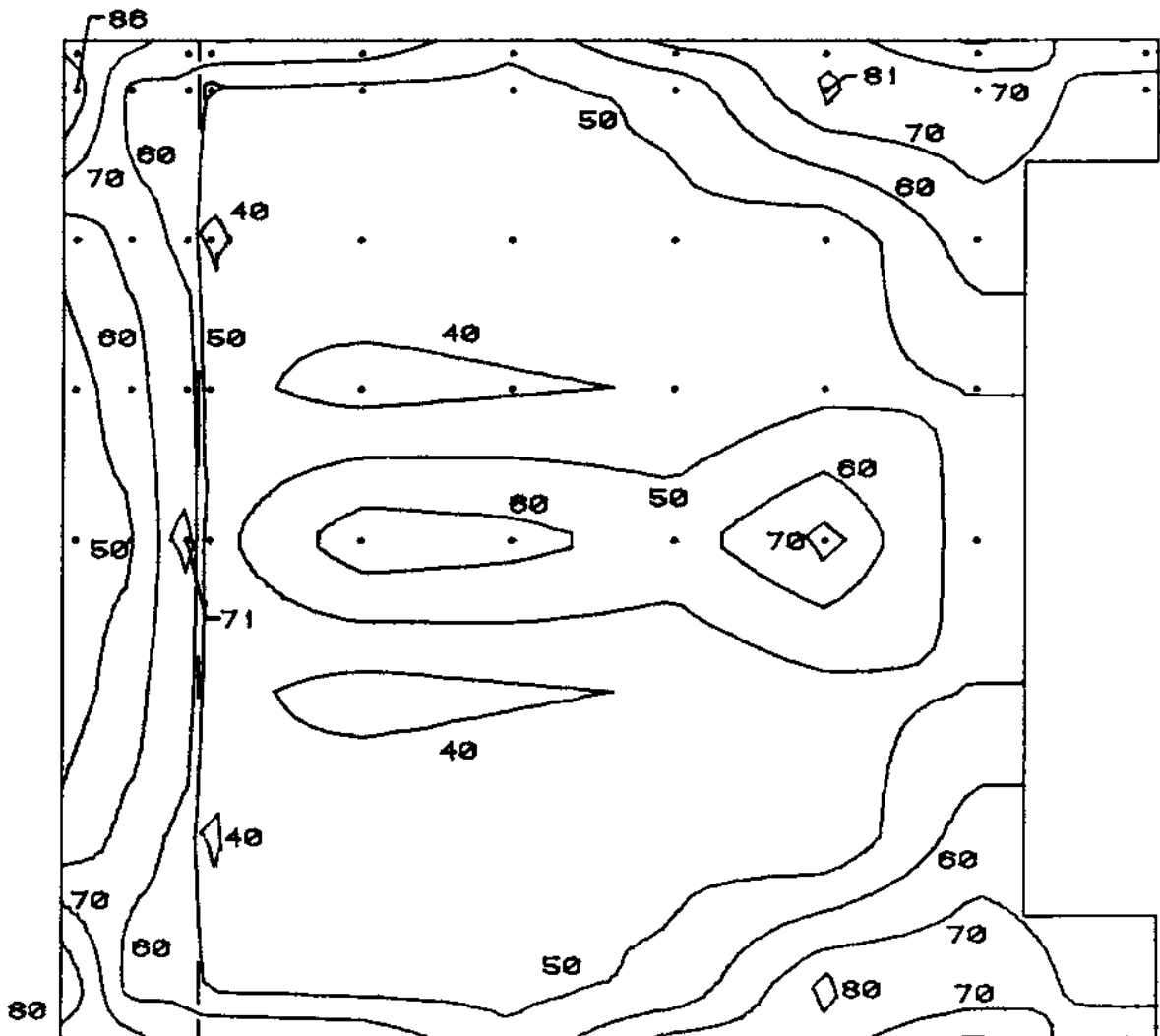


Figure 8a. Peak Pressure Contours on the Building
for Cladding Loads

ROOF
CONFIGURATION A
INSIDE
PEAK NEGATIVE CLADDING LOADS (PSF)
FOR 80 MPH FASTEST MILE WIND
REFERENCE PRESSURE = 21 PSF

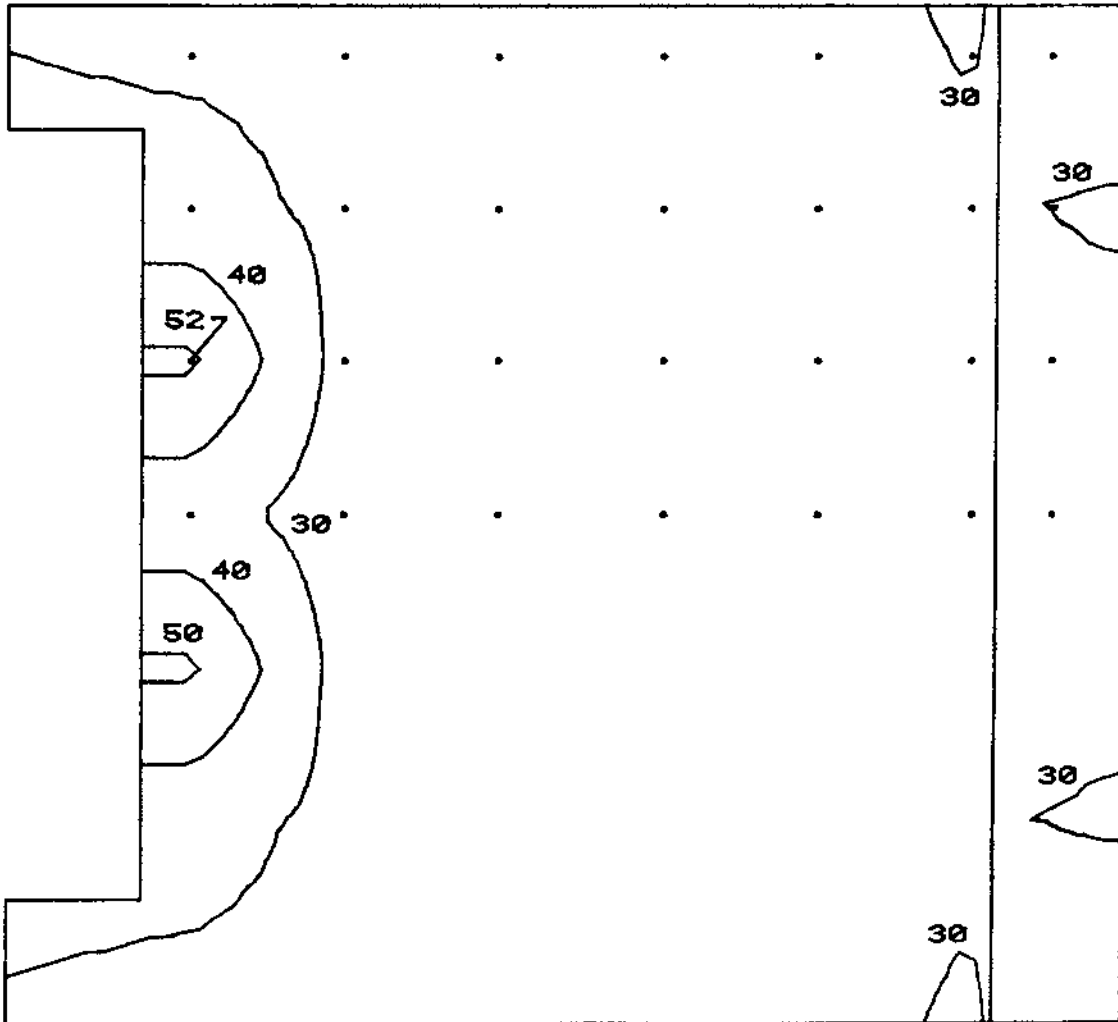


Figure 8b. Peak Pressure Contours on the Building
for Cladding Loads

ROOF
CONFIGURATION A
OUTSIDE
PEAK POSITIVE CLADDING LOADS (PSF)
FOR 80 MPH FASTEST MILE WIND
REFERENCE PRESSURE = 21 PSF

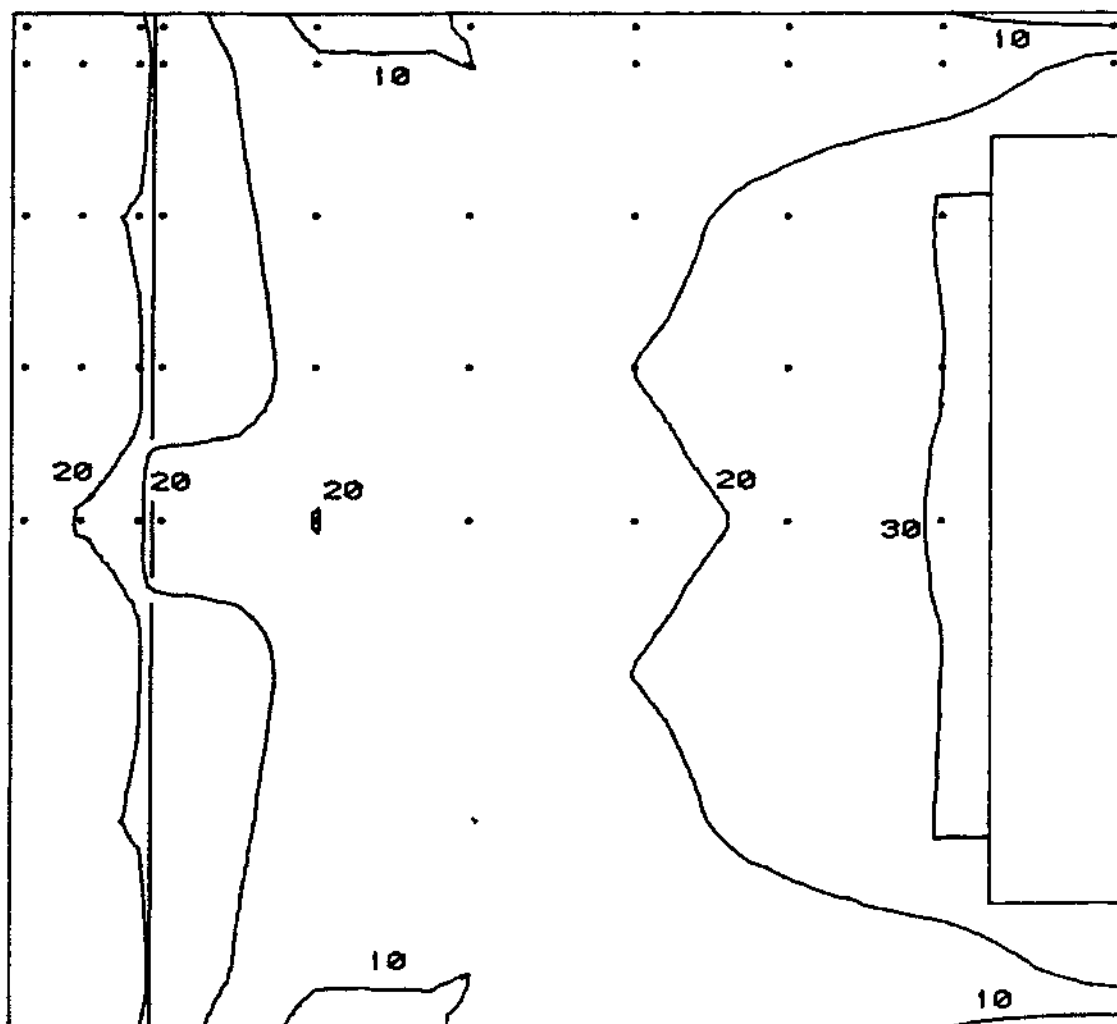


Figure 8c. Peak Pressure Contours on the Building
for Cladding Loads

ROOF
CONFIGURATION A
INSIDE
PEAK POSITIVE CLADDING LOADS (PSF)
FOR 80 MPH FASTEST MILE WIND
REFERENCE PRESSURE = 21 PSF

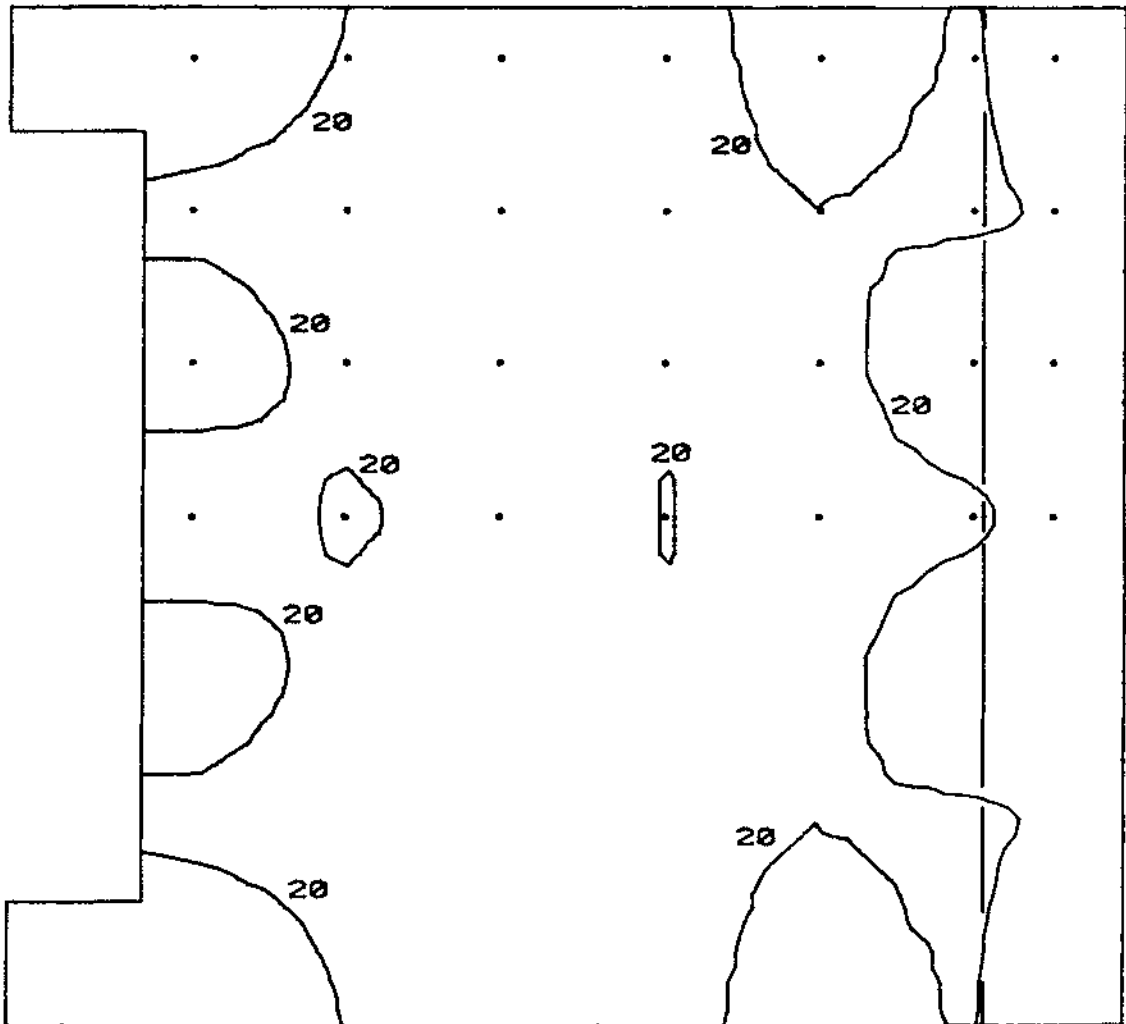


Figure 8d. Peak Pressure Contours on the Building
for Cladding Loads

SOUTH SIDE
CONFIGURATION A
OUTSIDE
PEAK NEGATIVE CLADDING LOADS (PSF)
FOR 80 MPH FASTEST MILE WIND
REFERENCE PRESSURE = 21 PSF

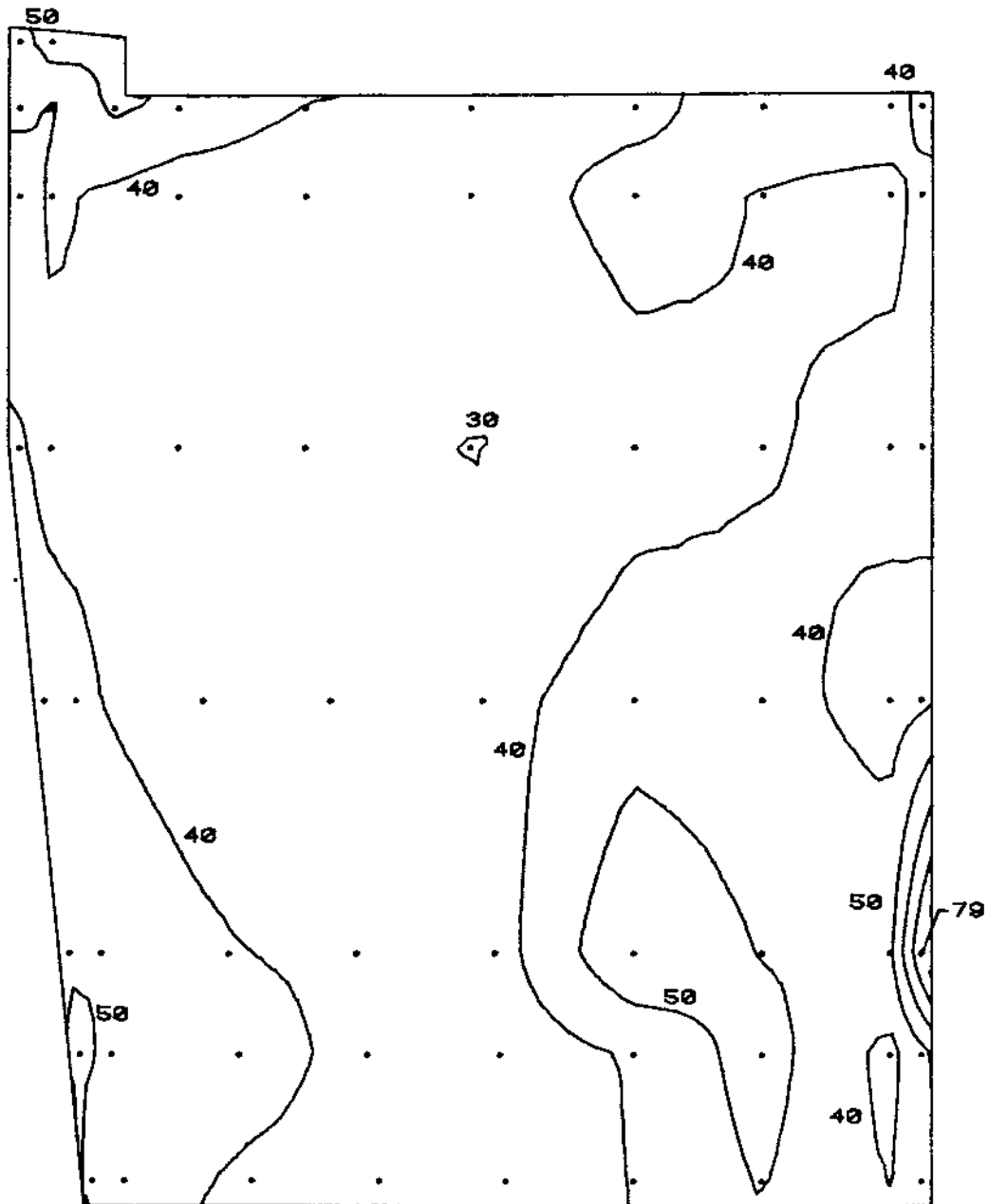


Figure 8e. Peak Pressure Contours on the Building
for Cladding Loads

SOUTH SIDE
CONFIGURATION A
INSIDE
PEAK NEGATIVE CLADDING LOADS (PSF)
FOR 80 MPH FASTEST MILE WIND
REFERENCE PRESSURE = 21 PSF

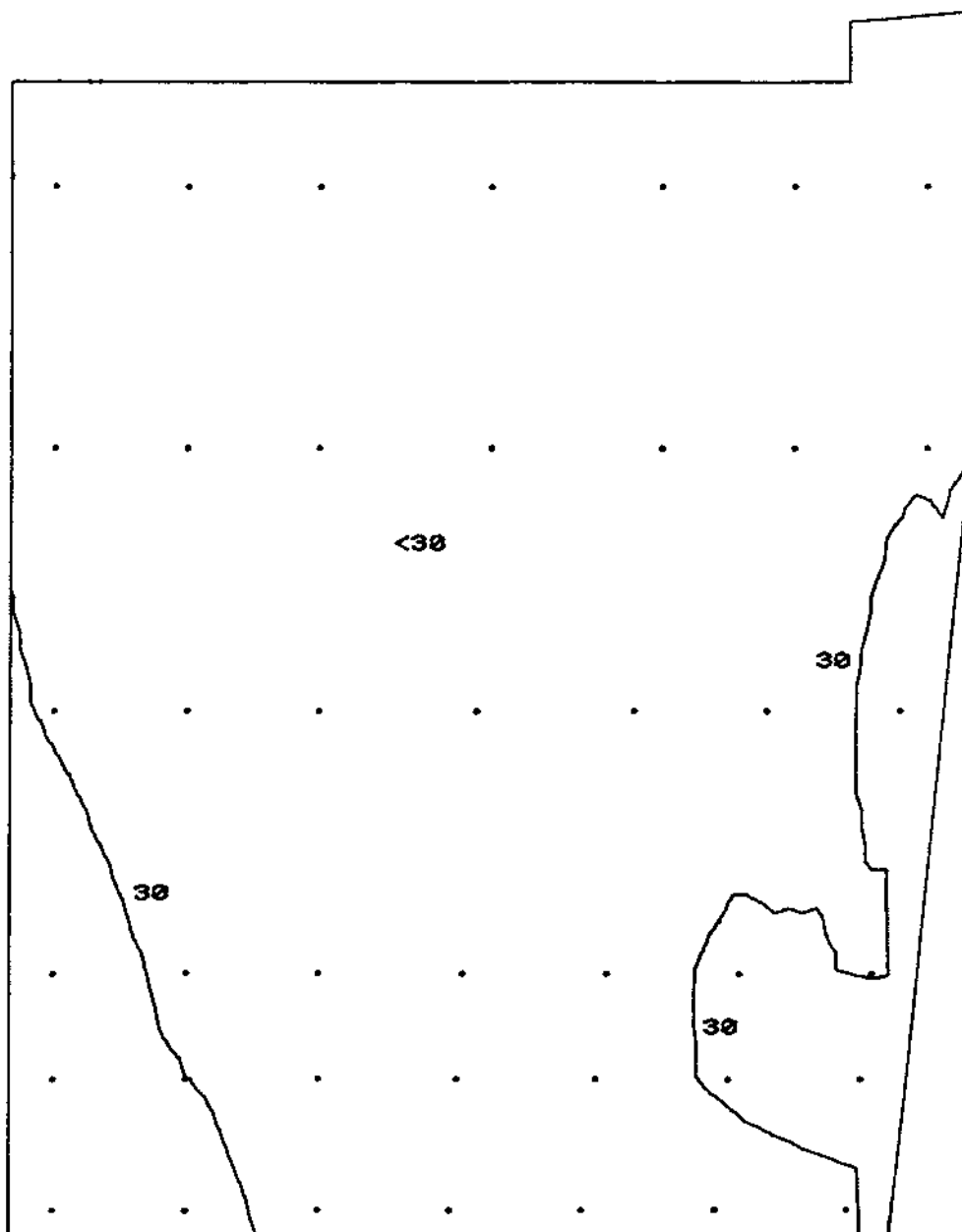


Figure 8f. Peak Pressure Contours on the Building
for Cladding Loads

SOUTH SIDE
CONFIGURATION A
OUTSIDE
PEAK POSITIVE CLADDING LOADS (PSF)
FOR 80 MPH FASTEST MILE WIND
REFERENCE PRESSURE = 21 PSF

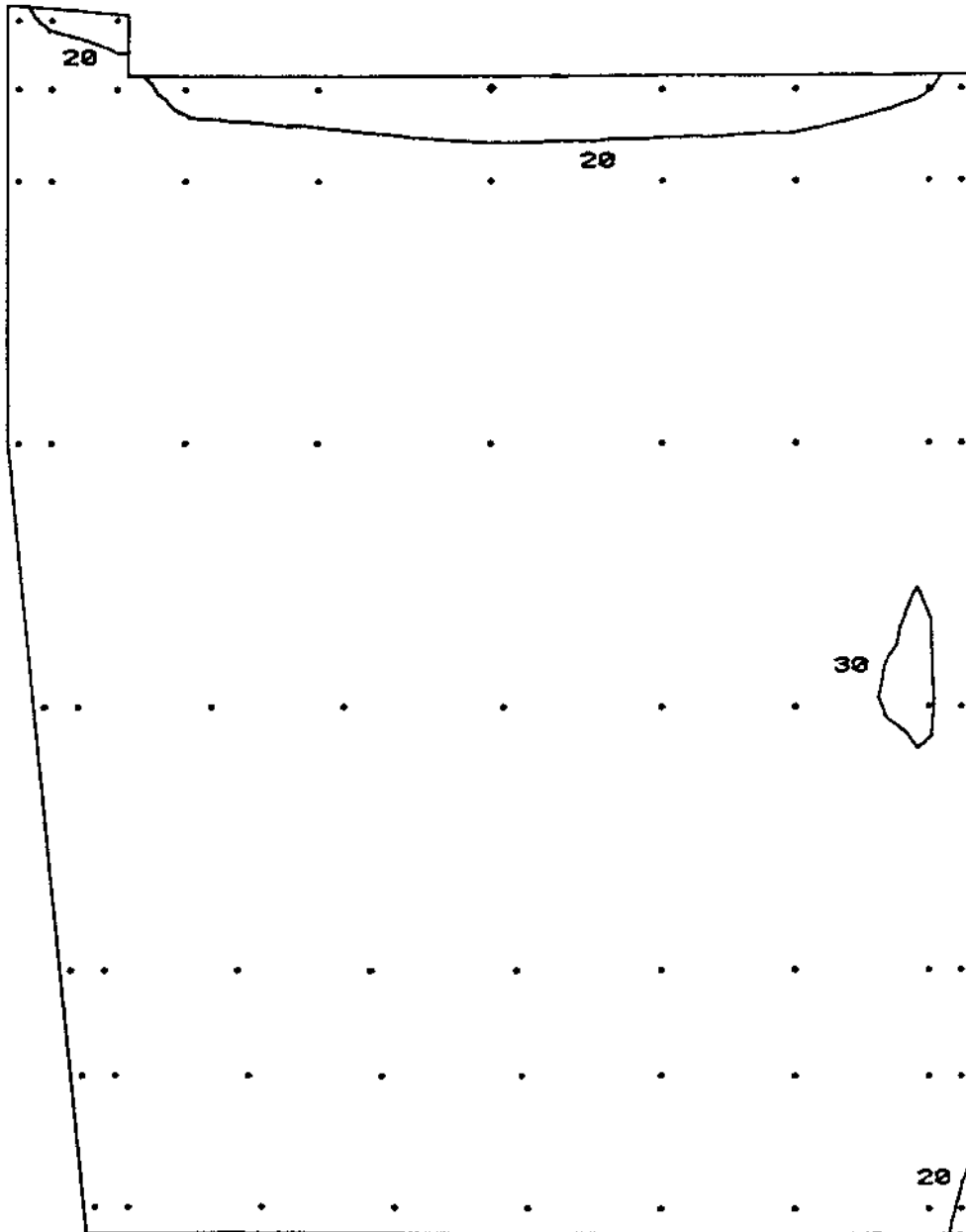


Figure 8g. Peak Pressure Contours on the Building for Cladding Loads

SOUTH SIDE
CONFIGURATION A
INSIDE
PEAK POSITIVE CLADDING LOADS (PSF)
FOR 80 MPH FASTEST MILE WIND
REFERENCE PRESSURE = 21 PSF

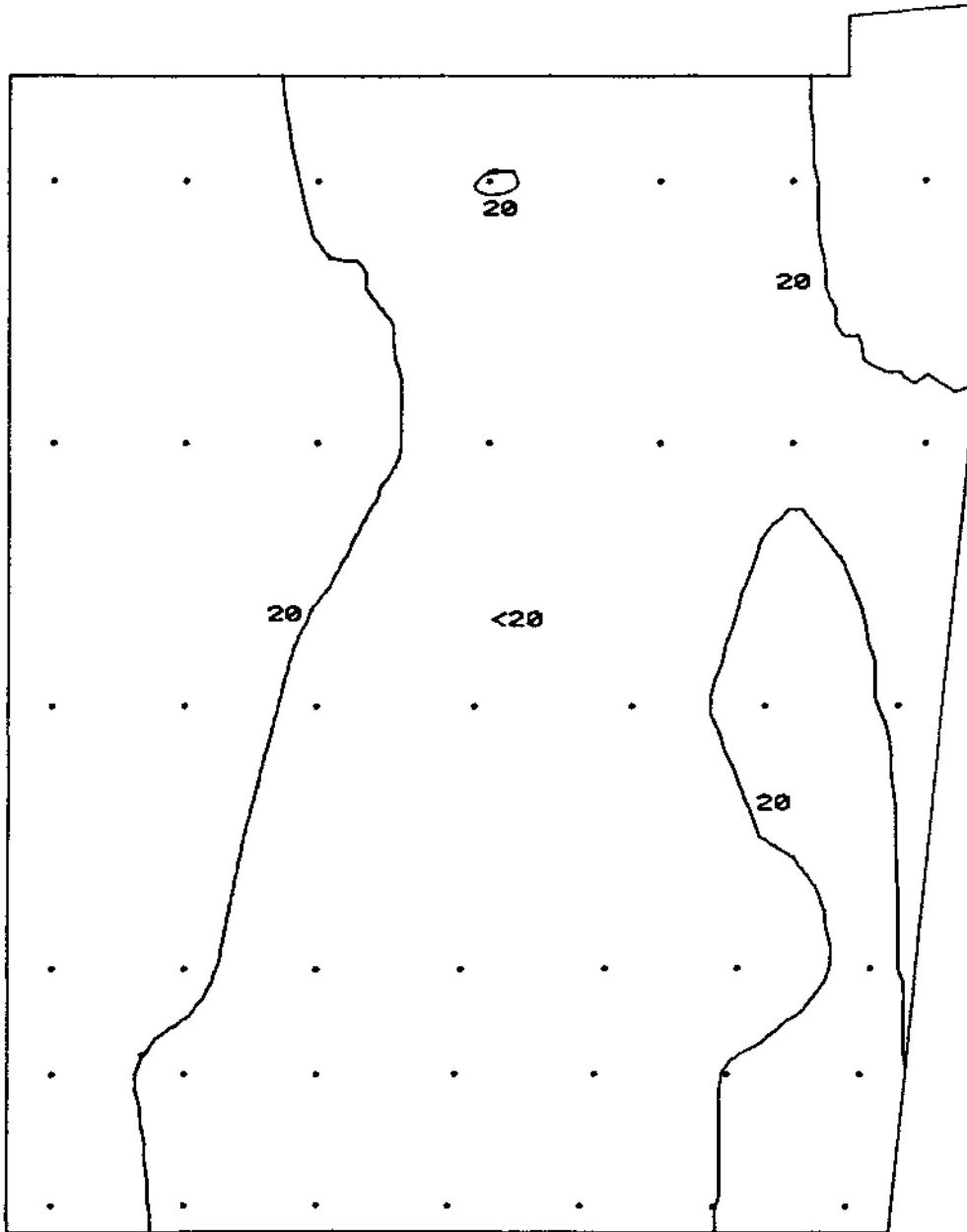


Figure 8h. Peak Pressure Contours on the Building for Cladding Loads

ROOF
CONFIGURATION C
OUTSIDE
PEAK NEGATIVE CLADDING LOADS (PSF)
FOR 80 MPH FASTEST MILE WIND
REFERENCE PRESSURE = 21 PSF

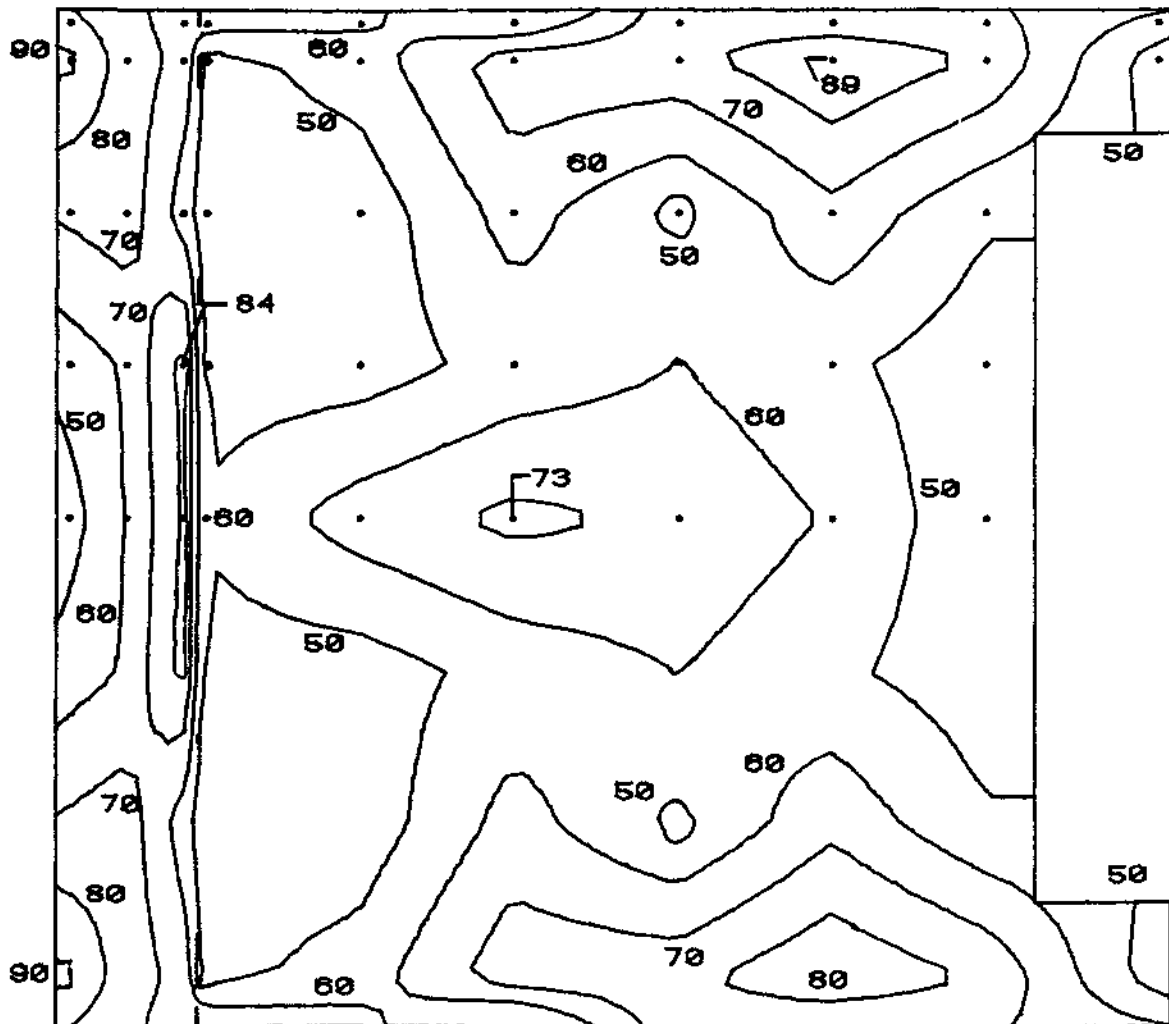


Figure 8i. Peak Pressure Contours on the Building
for Cladding Loads

ROOF
CONFIGURATION C
INSIDE
PEAK NEGATIVE CLADDING LOADS (PSF)
FOR 80 MPH FASTEST MILE WIND
REFERENCE PRESSURE = 21 PSF

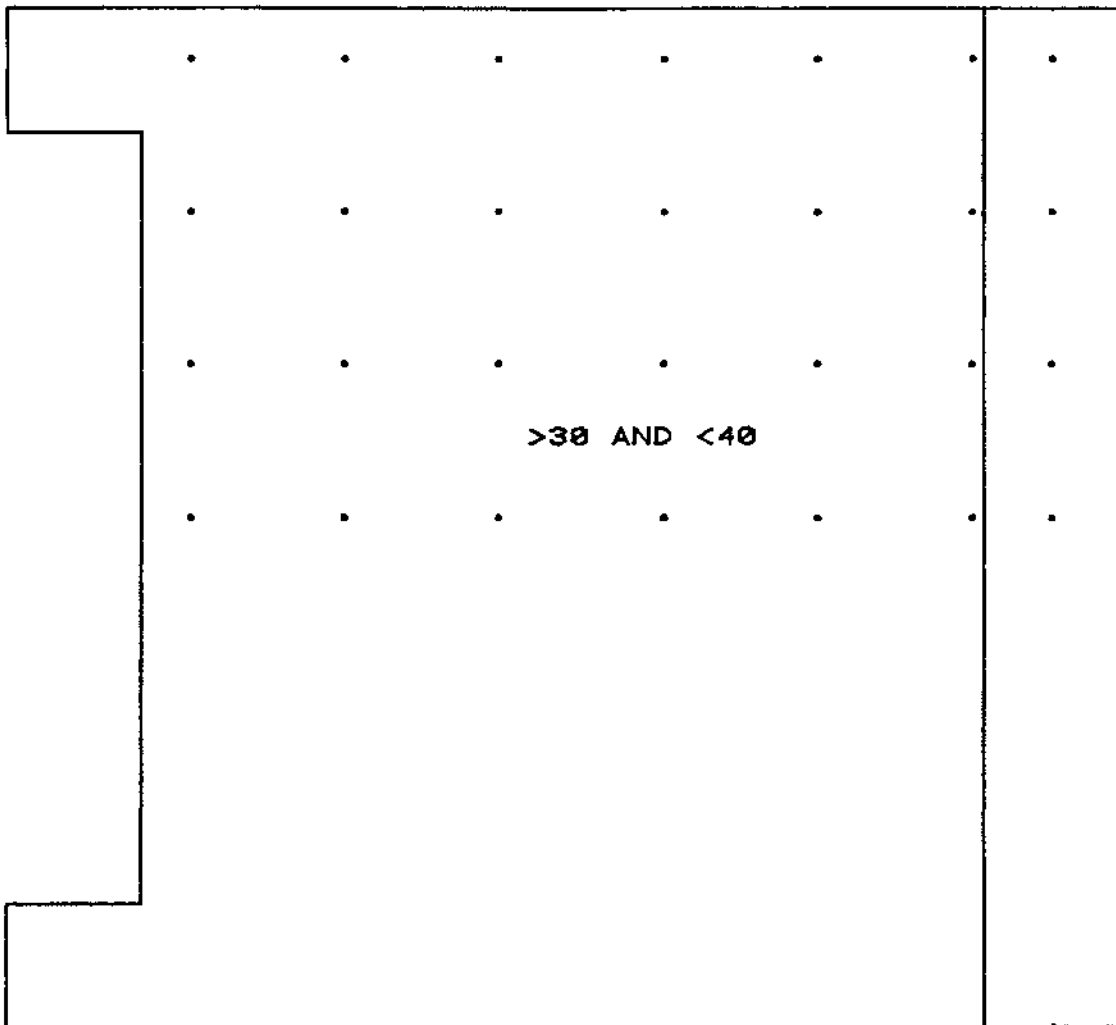


Figure 8j. Peak Pressure Contours on the Building for Cladding Loads

ROOF
CONFIGURATION C
OUTSIDE
PEAK POSITIVE CLADDING LOADS (PSF)
FOR 80 MPH FASTEST MILE WIND
REFERENCE PRESSURE = 21 PSF

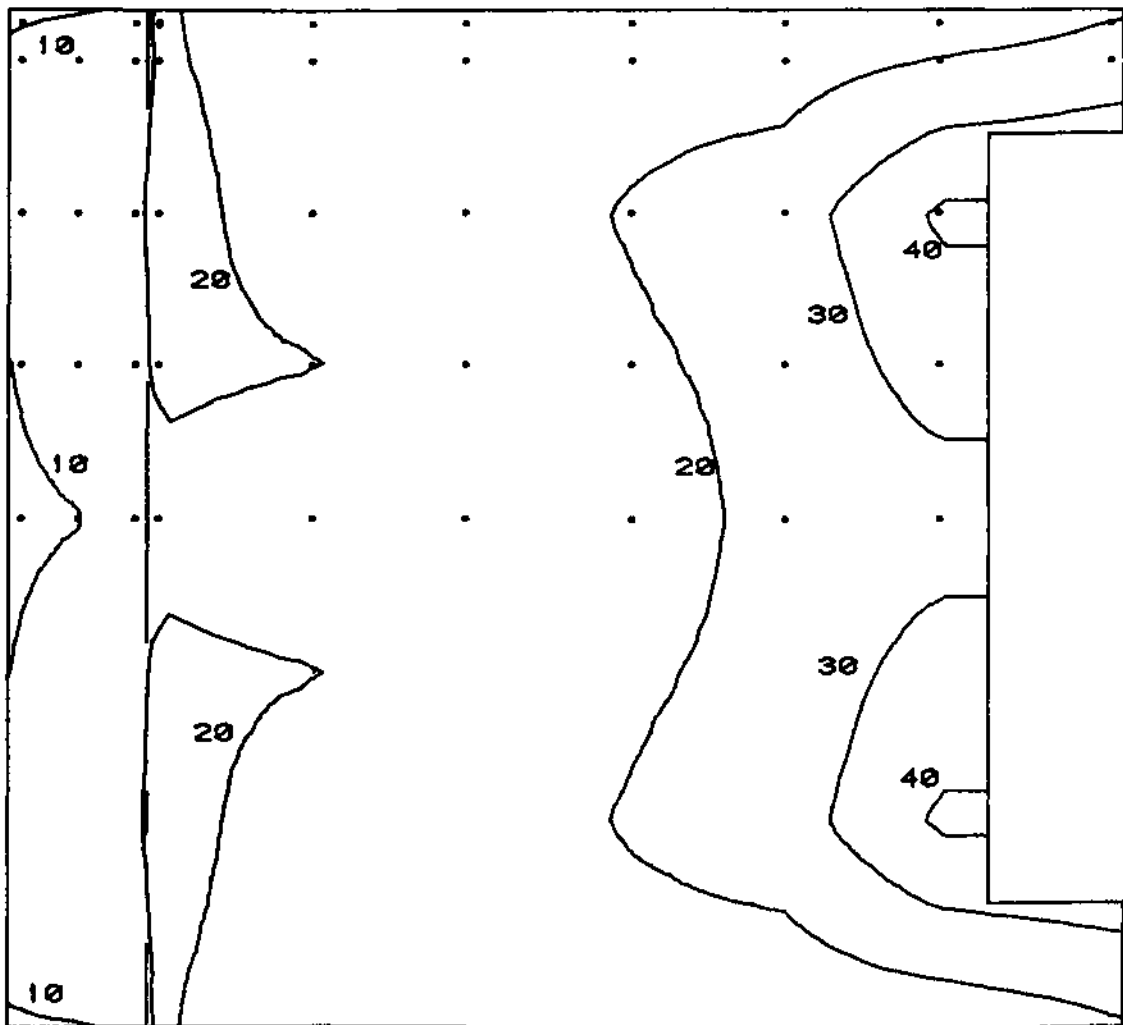


Figure 8k. Peak Pressure Contours on the Building
for Cladding Loads

ROOF
CONFIGURATION C
INSIDE
PEAK POSITIVE CLADDING LOADS (PSF)
FOR 80 MPH FASTEST MILE WIND
REFERENCE PRESSURE = 21 PSF

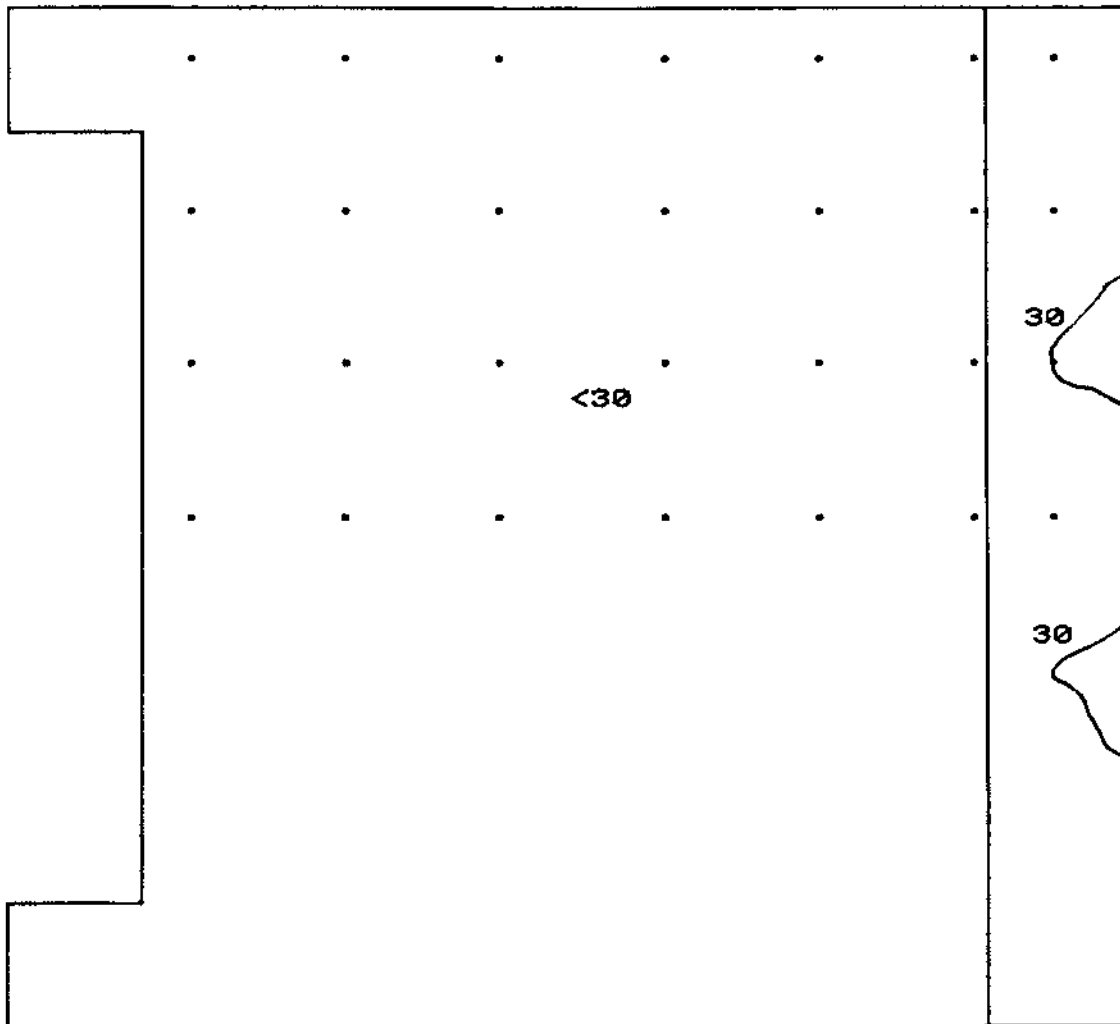


Figure 81. Peak Pressure Contours on the Building for Cladding Loads

SOUTH SIDE
CONFIGURATION C
OUTSIDE
PEAK NEGATIVE CLADDING LOADS (PSF)
FOR 80 MPH FASTEST MILE WIND
REFERENCE PRESSURE = 21 PSF

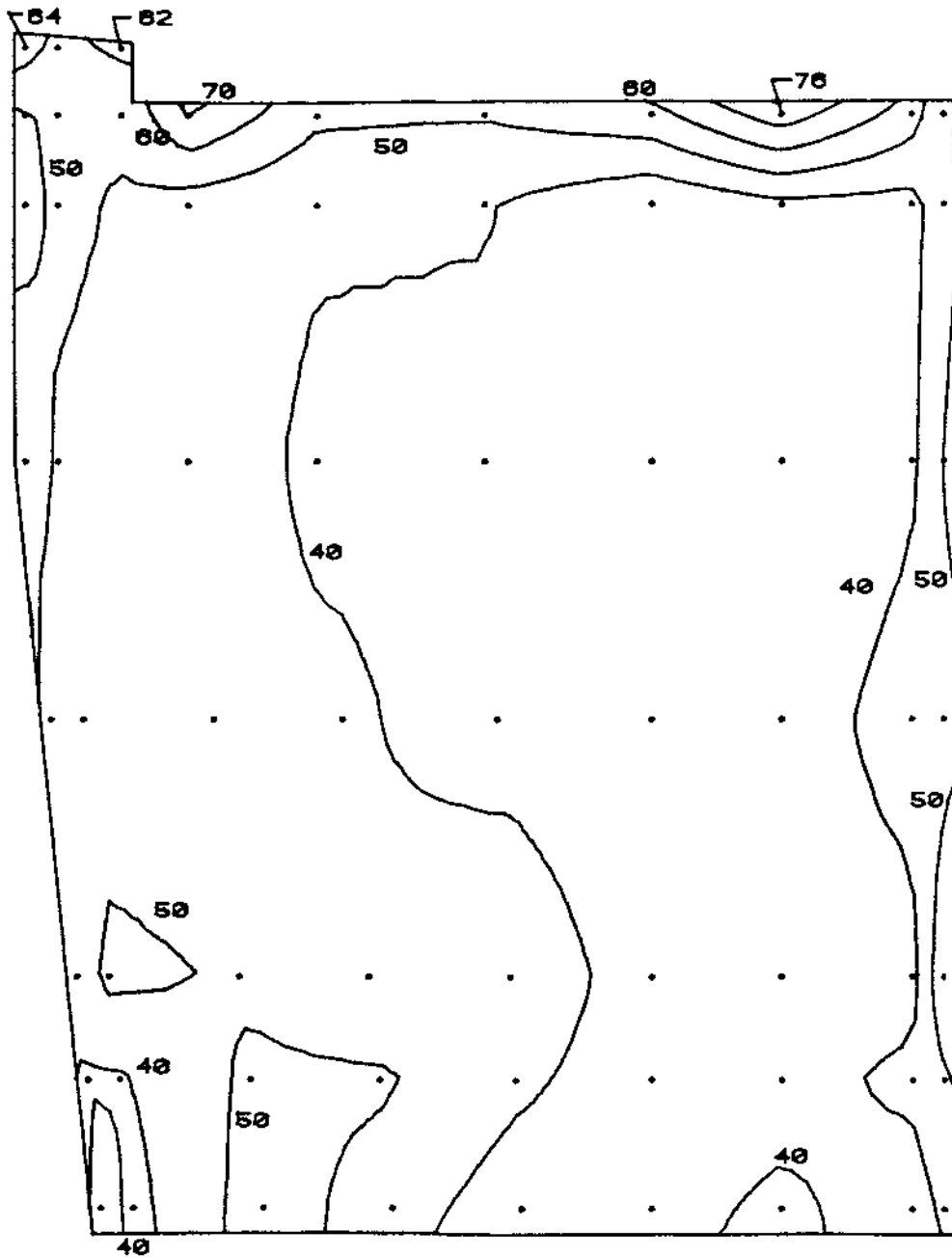


Figure 8m. Peak Pressure Contours on the Building
for Cladding Loads

SOUTH SIDE
CONFIGURATION C
INSIDE
PEAK NEGATIVE CLADDING LOADS (PSF)
FOR 80 MPH FASTEST MILE WIND
REFERENCE PRESSURE = 21 PSF

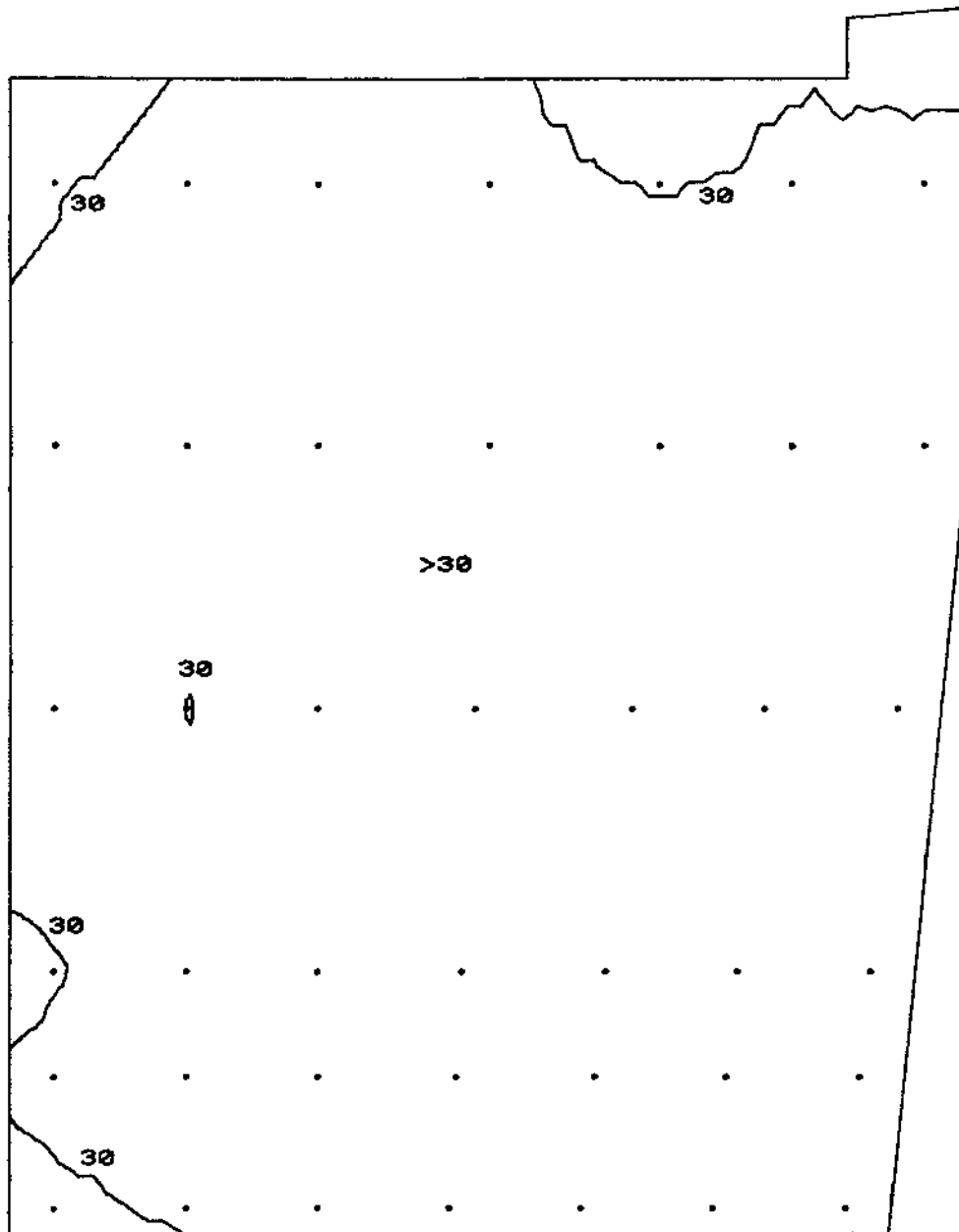


Figure 8n. Peak Pressure Contours on the Building
for Cladding Loads

SOUTH SIDE
CONFIGURATION C
OUTSIDE
PEAK POSITIVE CLADDING LOADS (PSF)
FOR 80 MPH FASTEST MILE WIND
REFERENCE PRESSURE = 21 PSF

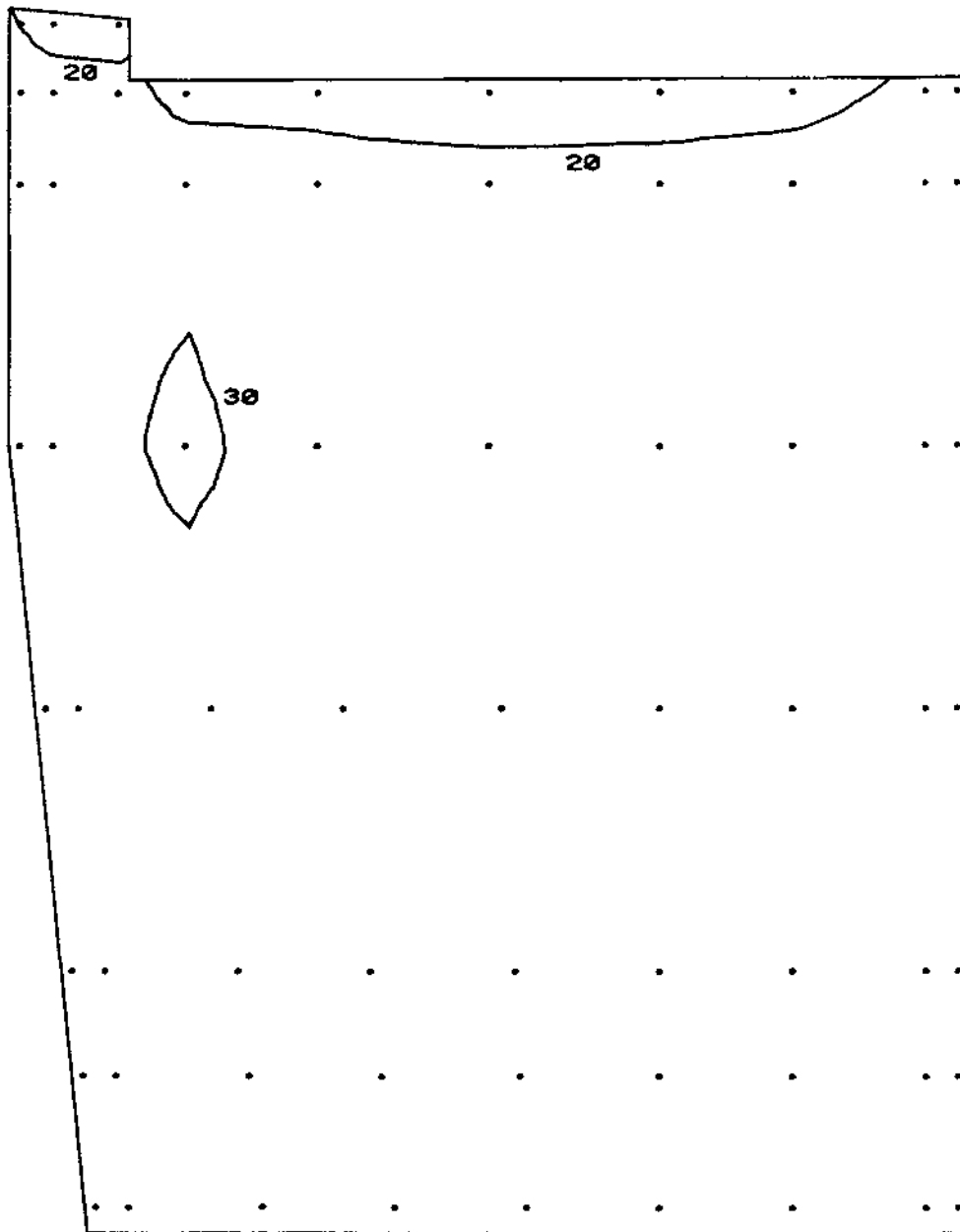


Figure 80. Peak Pressure Contours on the Building
for Cladding Loads

SOUTH SIDE
CONFIGURATION C
INSIDE
PEAK POSITIVE CLADDING LOADS (PSF)
FOR 80 MPH FASTEST MILE WIND
REFERENCE PRESSURE = 21 PSF

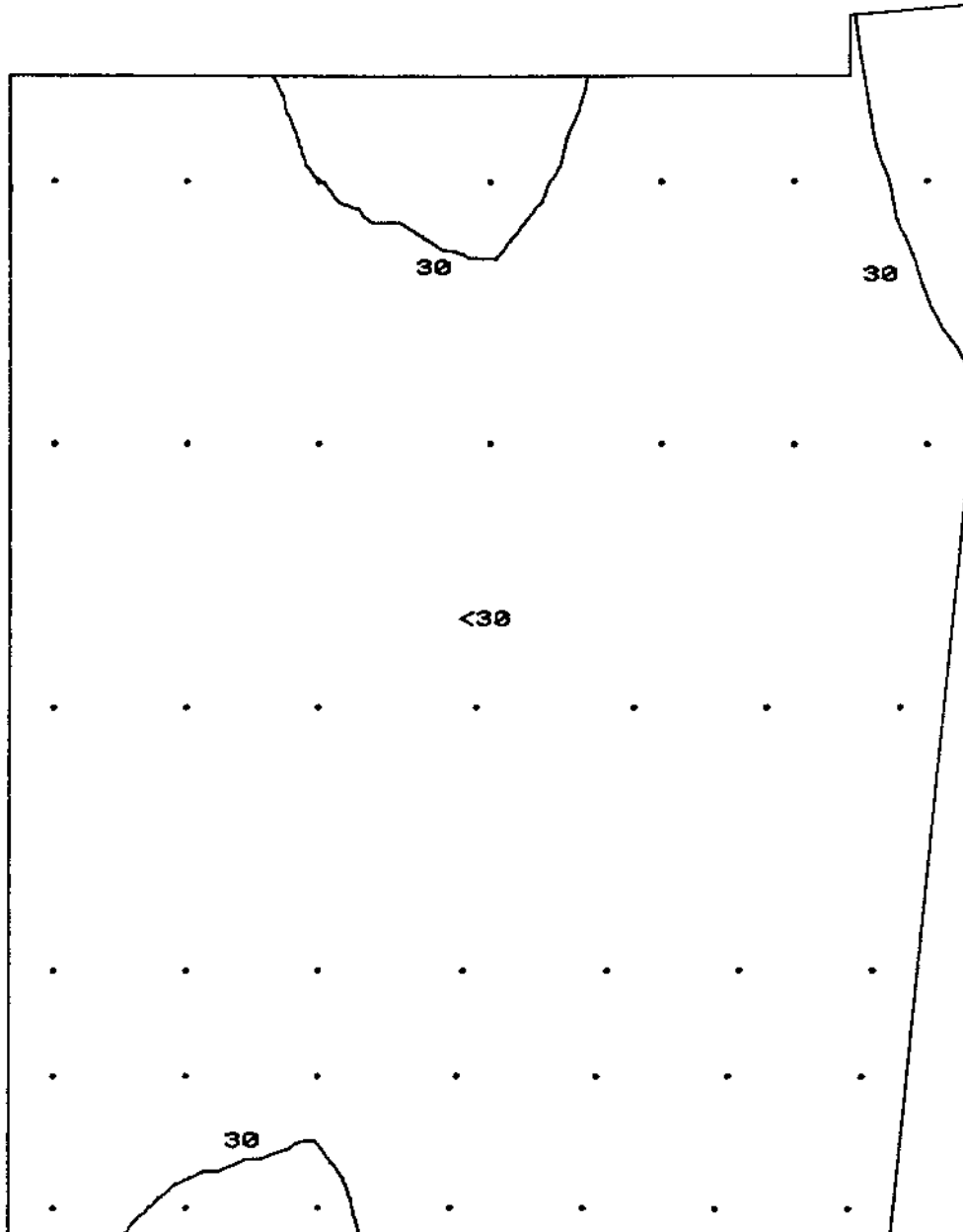


Figure 8p. Peak Pressure Contours on the Building for Cladding Loads

ROOF
CONFIGURATION D
OUTSIDE
PEAK NEGATIVE CLADDING LOADS (PSF)
FOR 80 MPH FASTEST MILE WIND
REFERENCE PRESSURE = 21 PSF

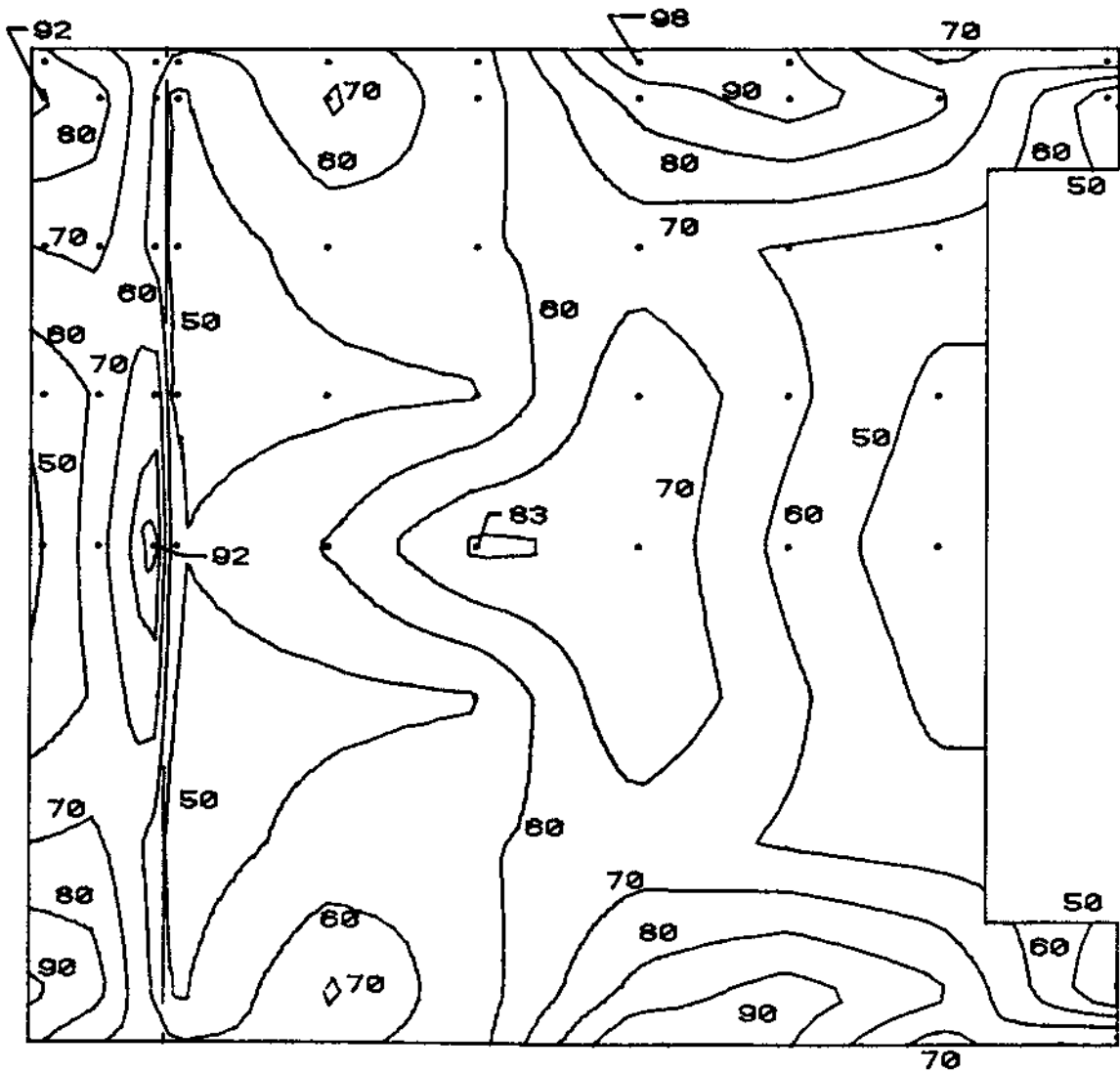


Figure 8q. Peak Pressure Contours on the Building for Cladding Loads

ROOF
CONFIGURATION D
OUTSIDE
PEAK POSITIVE CLADDING LOADS (PSF)
FOR 80 MPH FASTEST MILE WIND
REFERENCE PRESSURE = 21 PSF

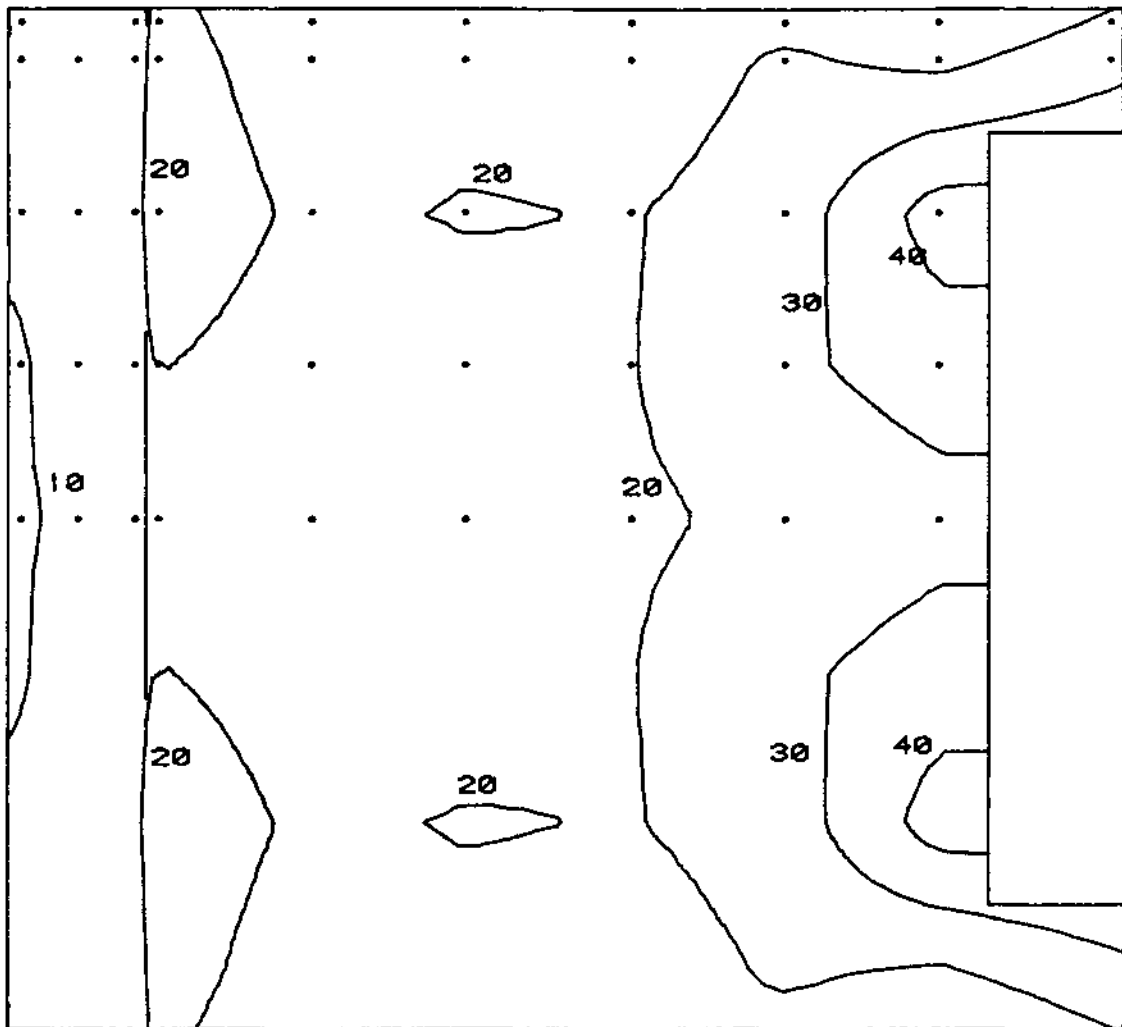


Figure 8r. Peak Pressure Contours on the Building
for Cladding Loads

SOUTH SIDE
CONFIGURATION D
OUTSIDE
PEAK NEGATIVE CLADDING LOADS (PSF)
FOR 80 MPH FASTEST MILE WIND
REFERENCE PRESSURE = 21 PSF

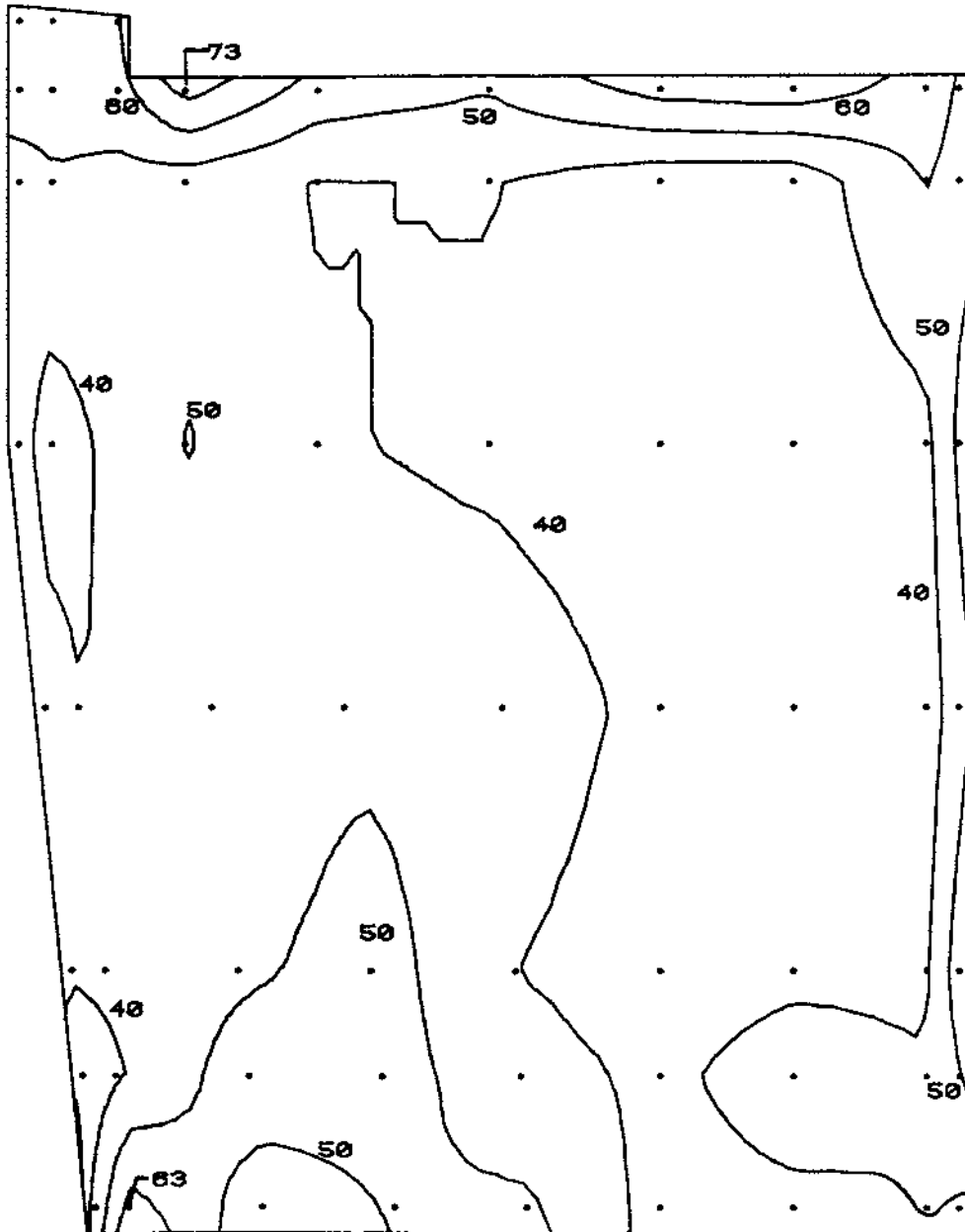


Figure 8s. Peak Pressure Contours on the Building
for Cladding Loads

SOUTH SIDE
CONFIGURATION D
OUTSIDE
PEAK POSITIVE CLADDING LOADS (PSF)
FOR 80 MPH FASTEST MILE WIND
REFERENCE PRESSURE = 21 PSF

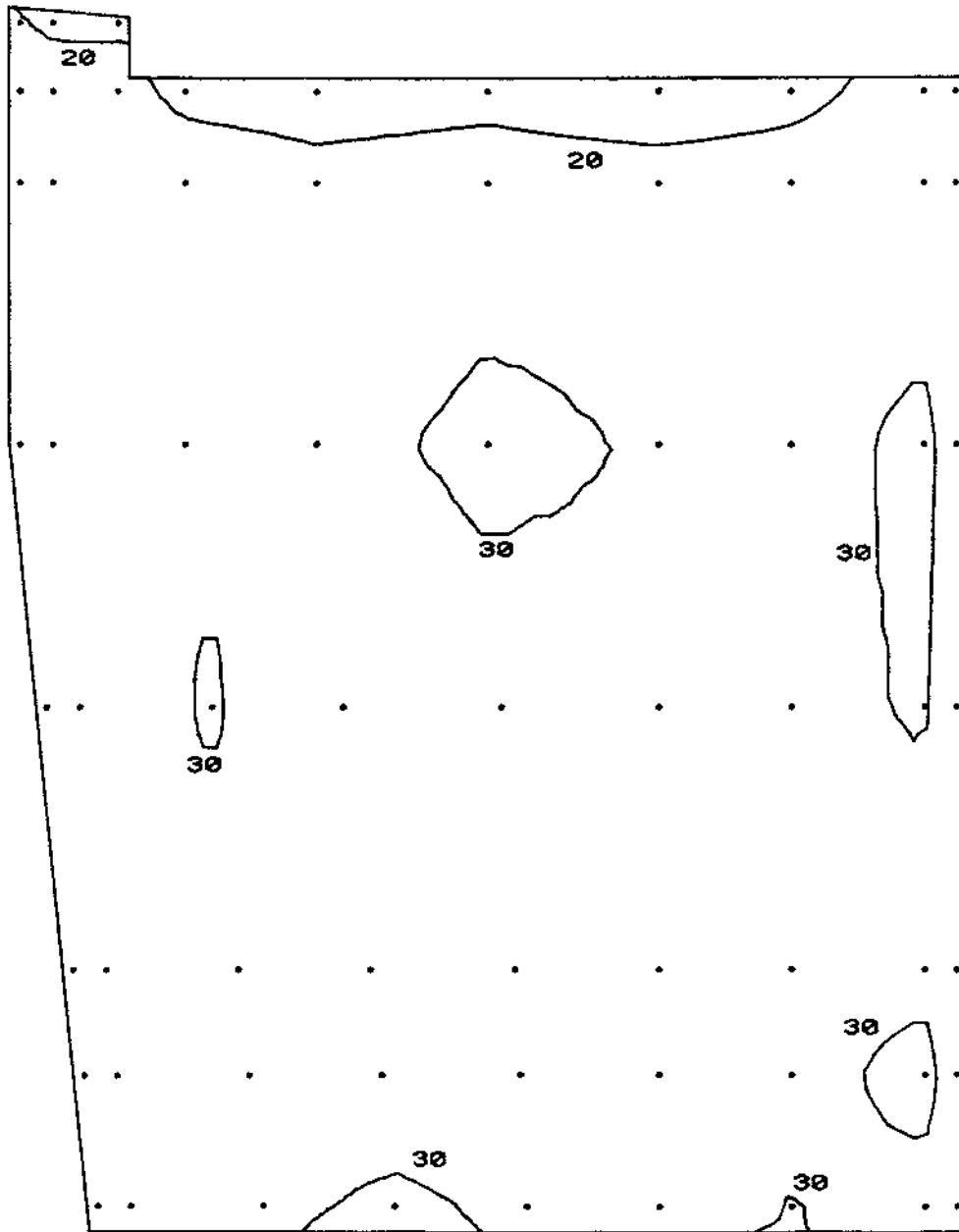


Figure 8t. Peak Pressure Contours on the Building
for Cladding Loads

WEST SIDE
CONFIGURATION D
OUTSIDE
PEAK NEGATIVE CLADDING LOADS (PSF)
FOR 80 MPH FASTEST MILE WIND
REFERENCE PRESSURE = 21 PSF

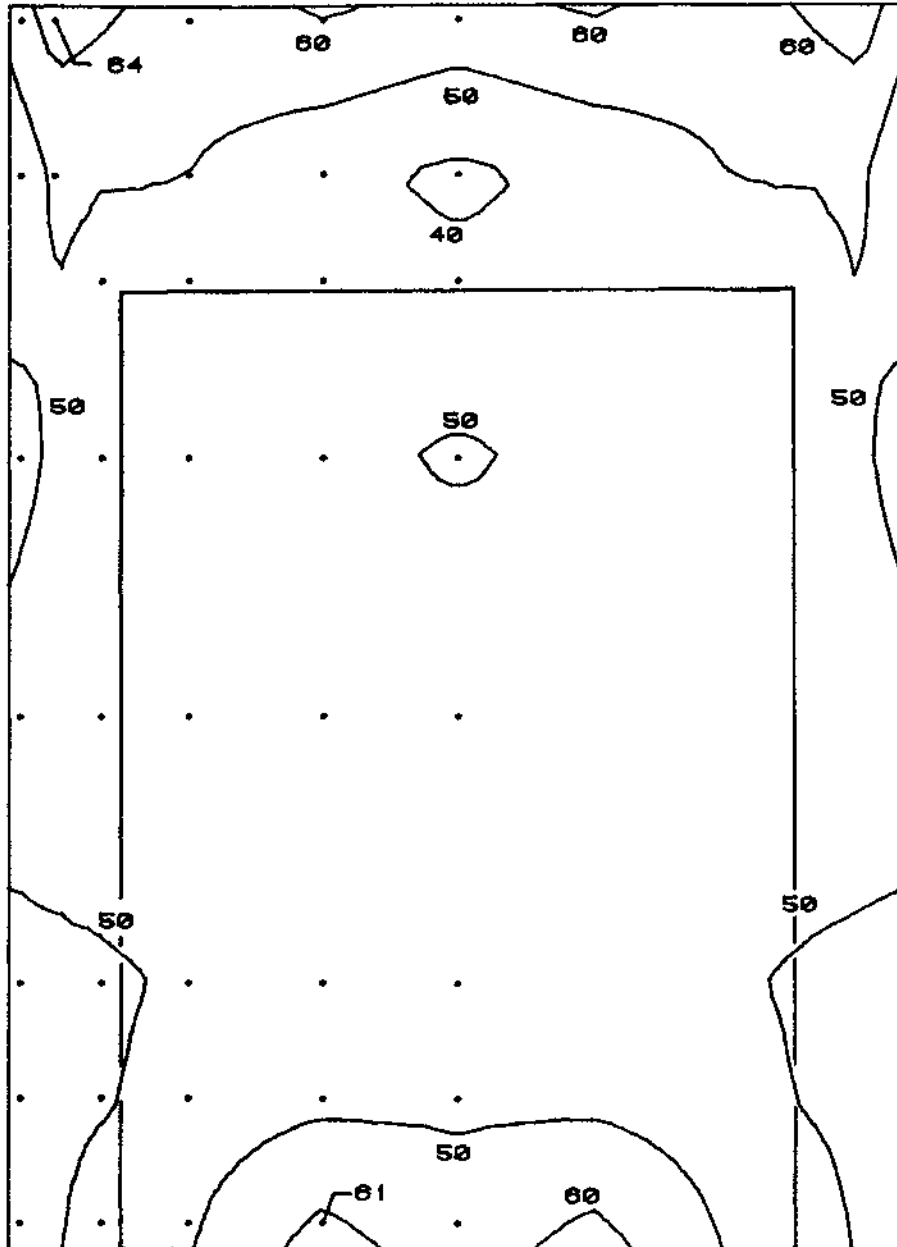


Figure 8u. Peak Pressure Contours on the Building for Cladding Loads

WEST SIDE
CONFIGURATION D
OUTSIDE
PEAK POSITIVE CLADDING LOADS (PSF)
FOR 80 MPH FASTEST MILE WIND
REFERENCE PRESSURE = 21 PSF

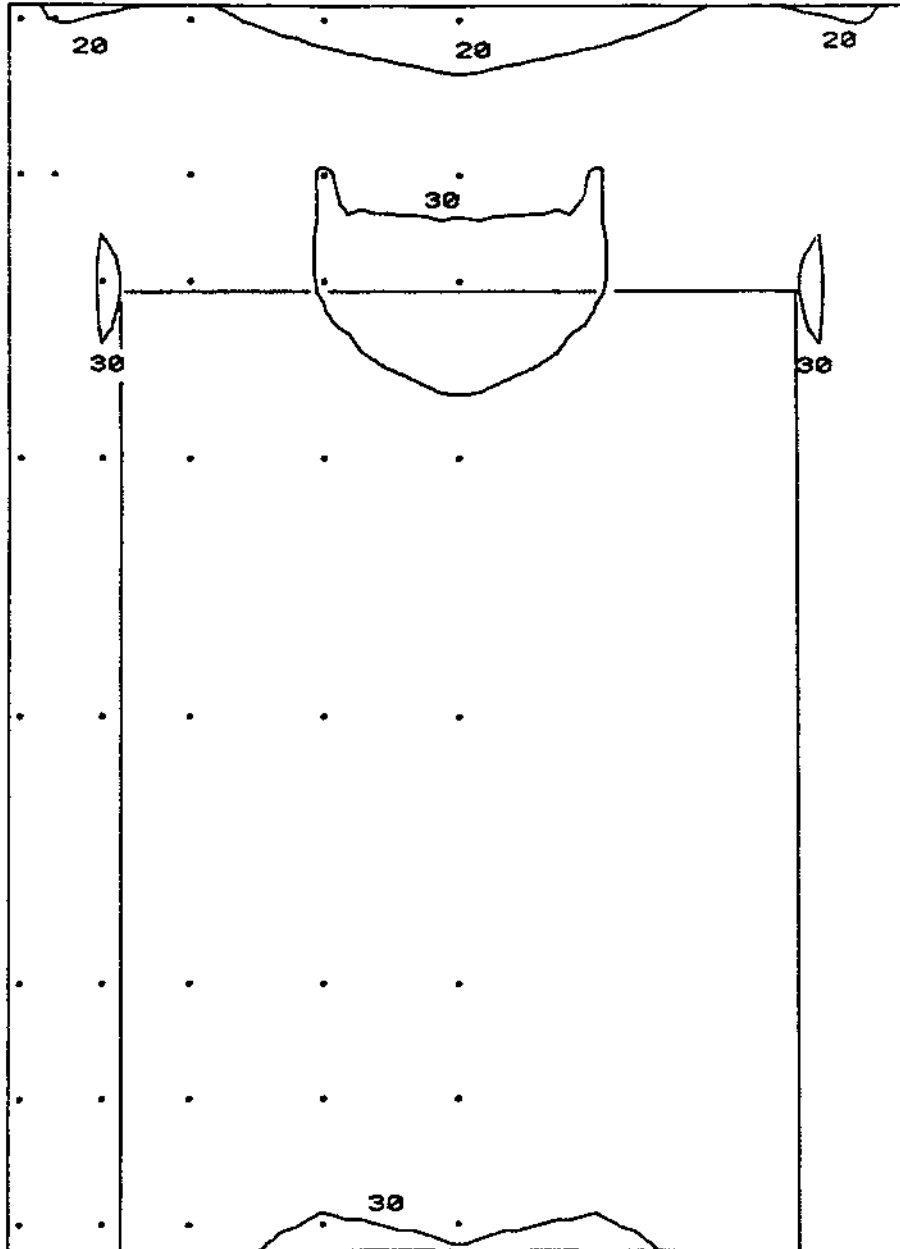


Figure 8v. Peak Pressure Contours on the Building for Cladding Loads

ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A

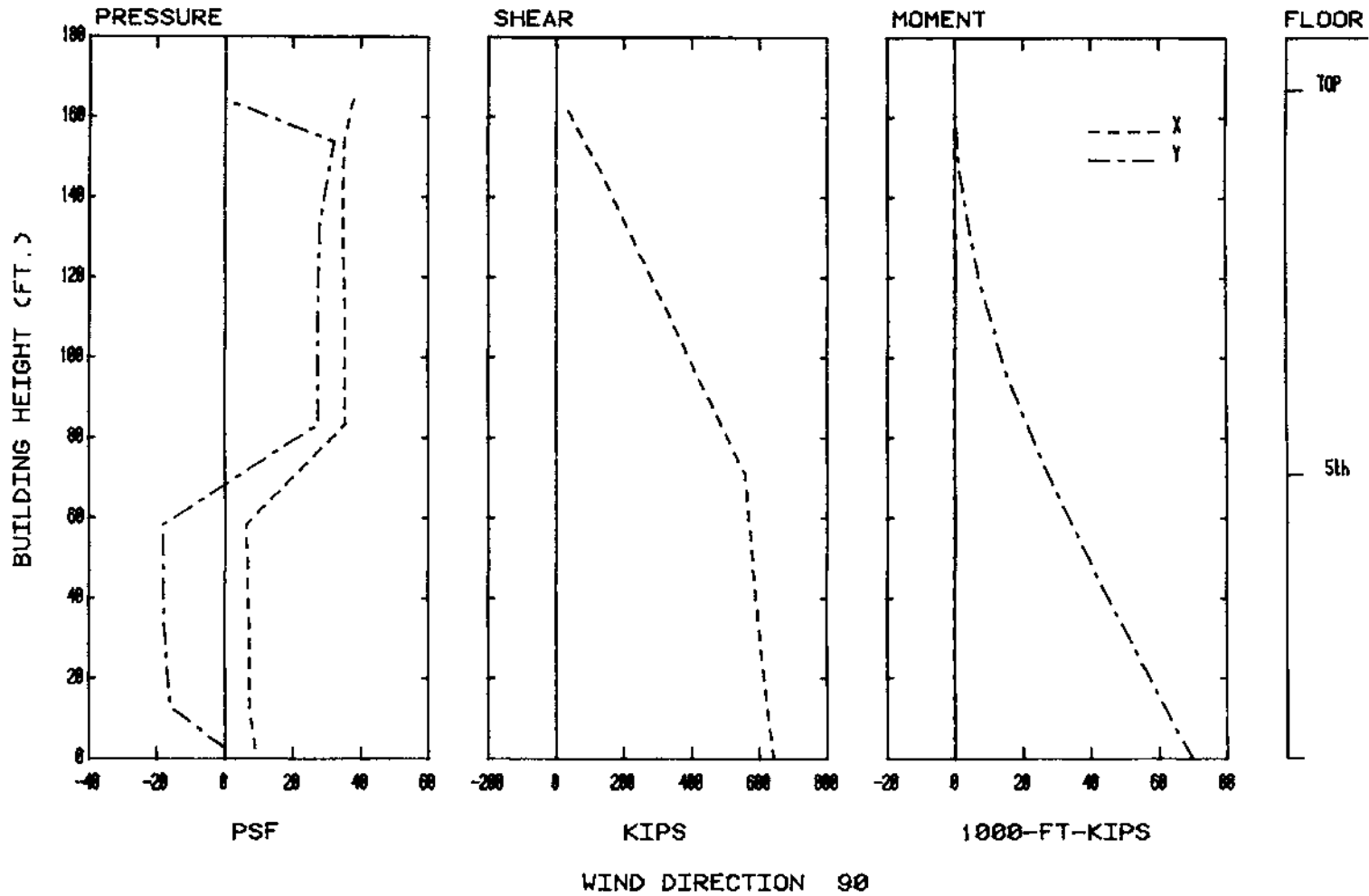


Figure 9. Load, Shear, and Moment Diagrams for Selected Wind Directions

SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A

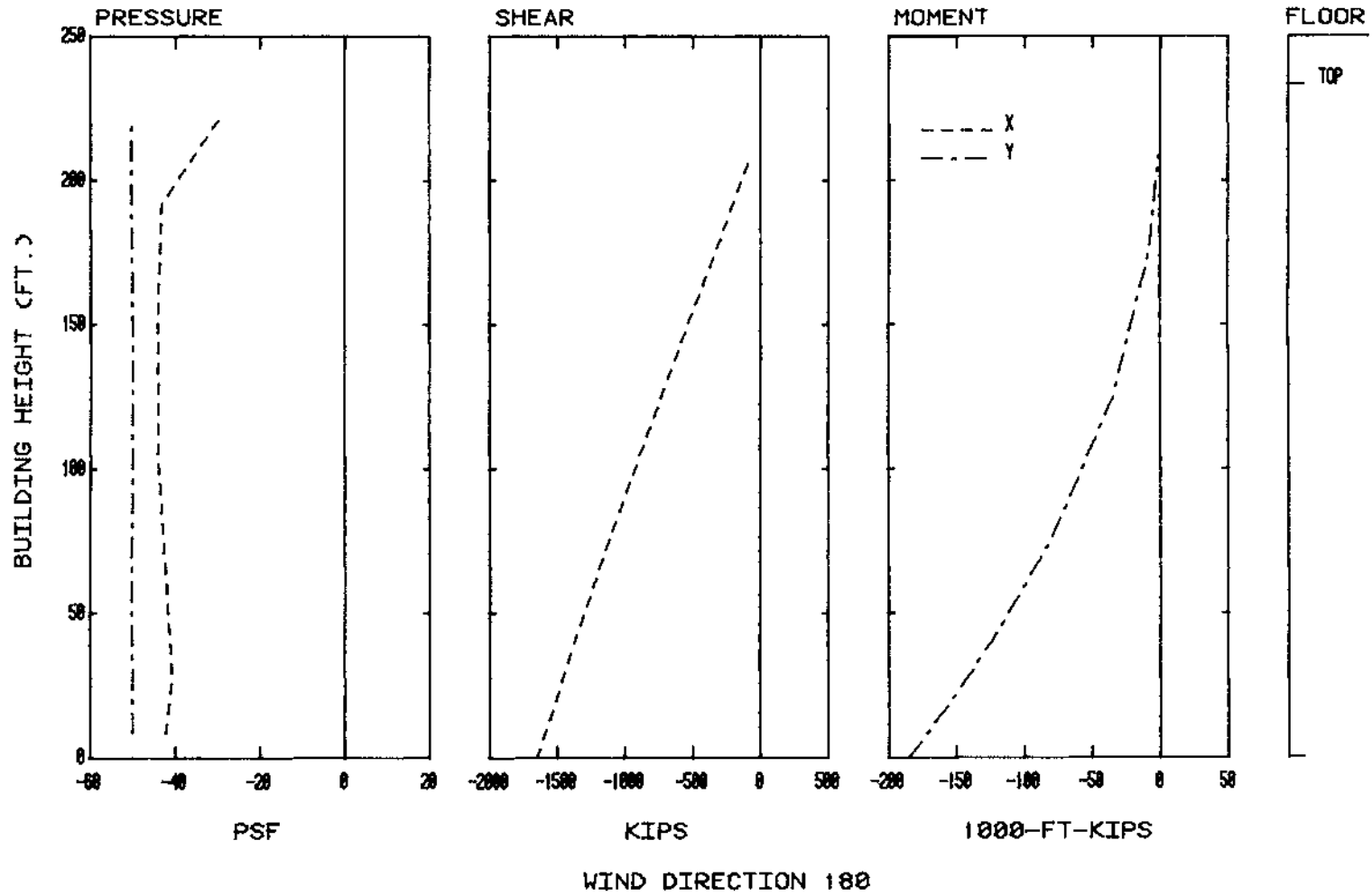


Figure 9. Load, Shear, and Moment Diagrams for Selected Wind Directions

ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C

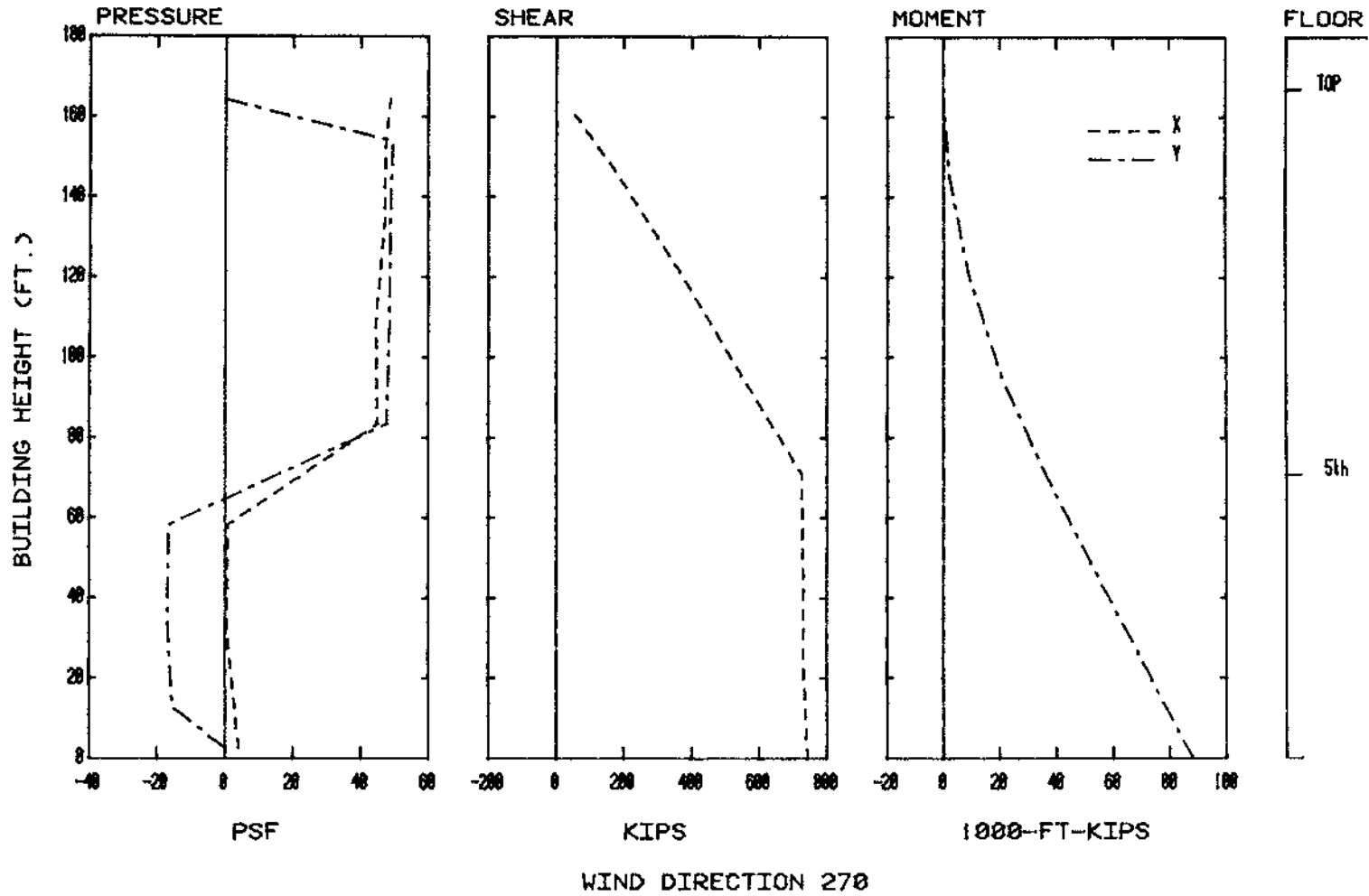


Figure 9. Load, Shear, and Moment Diagrams for Selected Wind Directions

SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C

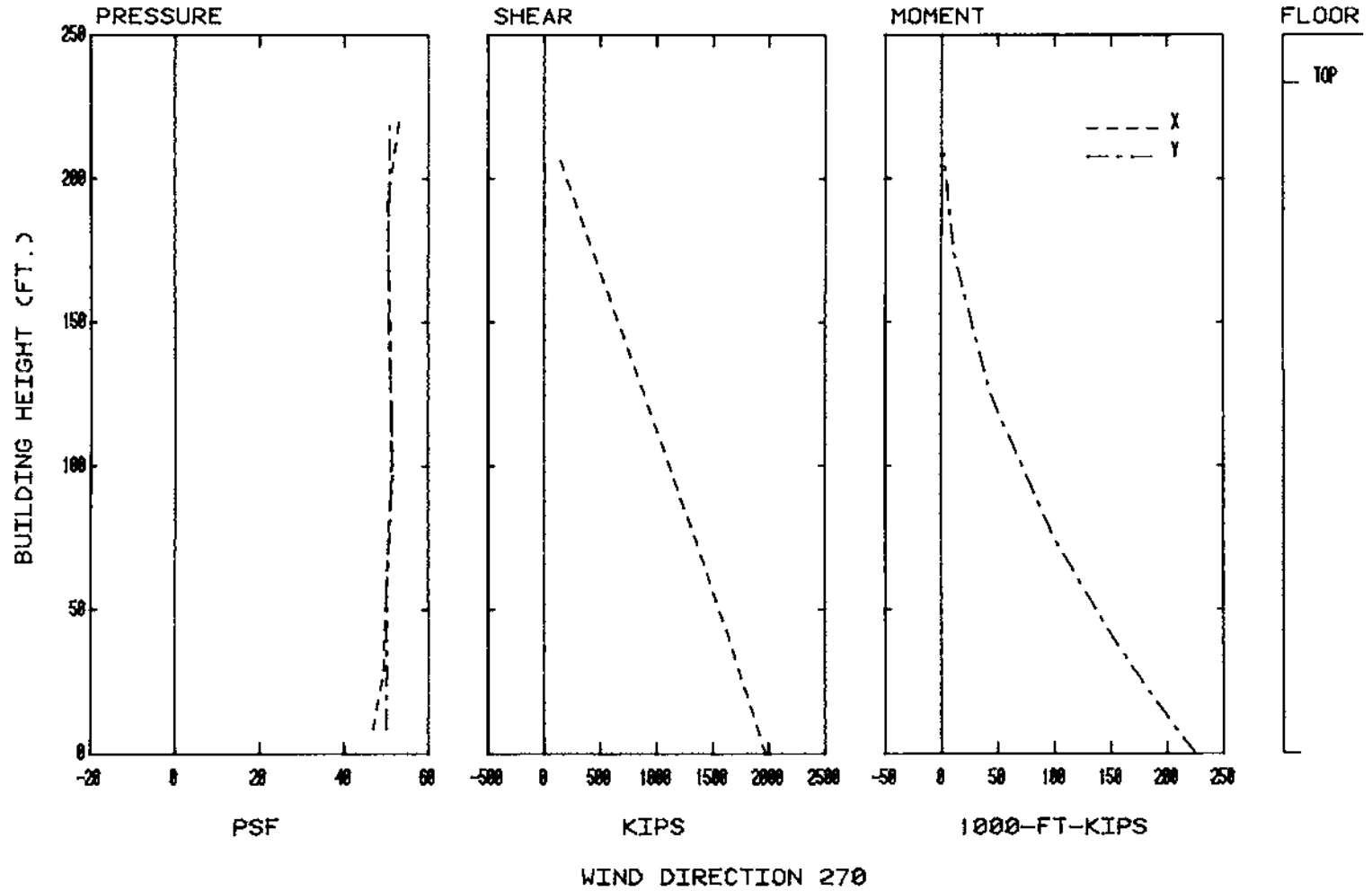


Figure 9. Load, Shear, and Moment Diagrams for Selected Wind Directions

TABLES

TABLE 1

KEY TO CONFIGURATIONS

| <u>Configuration</u> | <u>Explanation</u> |
|----------------------|---|
| A | SAB parked and alone, door opened, no PPR or PCR, trusses on inside walls, 15° wind directions. |
| B | SAB parked, PPR mated with PCR, wind directions = 240, 255, 270, 285, 300, door opened, trusses in. |
| C | SAB mated with MST, gap sealed, door opened, trusses in, 15° wind directions. |
| D | C repeated, with door closed. |
| E | D repeated, gap opened, wind direction = 0° only. |
| F | SAB alone, door closed, wind direction = 270° only. |

TABLE 2

WIND VELOCITIES AND TURBULENCE
INTENSITIES

SHUTTLE ASSEMBLY BUILDING-VANDENBERG

GREATEST VALUES

| | LOCATION | WIND AZIMUTH | UMEAN/UINF (PERCENT) | URMS/UINF (PERCENT) | (UMEAN+3*URMS)/UINF (PERCENT) |
|--|----------|-----------------|-------------------------|------------------------|----------------------------------|
| <u>UMEAN/UINF (PERCENT)</u> | | | | | |
| | 13 | 0.0 | 92.4 | 9.0 | 119.4 |
| | 2 | 255.0 | 79.1 | 14.6 | 122.8 |
| | 17 | 0.0 | 76.5 | 6.4 | 95.6 |
| | 2 | 240.0 | 71.9 | 9.5 | 100.5 |
| | 2 | 225.0 | 65.7 | 9.4 | 93.9 |
| | 3 | 225.0 | 58.8 | 9.7 | 87.8 |
| | 4 | 240.0 | 58.0 | 8.9 | 84.7 |
| | 3 | 240.0 | 56.7 | 12.1 | 92.9 |
| | 2 | 270.0 | 56.0 | 25.4 | 132.2 |
| | 4 | 225.0 | 55.6 | 8.0 | 79.6 |
| <u>URMS/UINF (PERCENT)</u> | | | | | |
| | 2 | 270.0 | 56.0 | 25.4 | 132.2 |
| | 4 | 255.0 | 47.4 | 17.1 | 98.8 |
| | 3 | 270.0 | 31.6 | 16.2 | 80.2 |
| | 5 | 255.0 | 36.9 | 14.7 | 81.1 |
| | 2 | 255.0 | 79.1 | 14.6 | 122.8 |
| | 3 | 255.0 | 51.3 | 14.5 | 94.8 |
| | 6 | 255.0 | 25.8 | 14.3 | 68.7 |
| | 6 | 240.0 | 37.7 | 12.9 | 76.5 |
| | 3 | 240.0 | 56.7 | 12.1 | 92.9 |
| | 9 | 255.0 | 44.8 | 11.9 | 80.4 |
| <u>(UMEAN+3*URMS)/UINF (PERCENT)</u> | | | | | |
| | 2 | 270.0 | 56.0 | 25.4 | 132.2 |
| | 2 | 255.0 | 79.1 | 14.6 | 122.8 |
| | 13 | 0.0 | 92.4 | 9.0 | 119.4 |
| | 2 | 240.0 | 71.9 | 9.5 | 100.5 |
| | 4 | 255.0 | 47.4 | 17.1 | 98.8 |
| | 17 | 0.0 | 76.5 | 6.4 | 95.6 |
| | 3 | 255.0 | 51.3 | 14.5 | 94.8 |
| | 2 | 225.0 | 65.7 | 9.4 | 93.9 |
| | 3 | 240.0 | 56.7 | 12.1 | 92.9 |
| | 3 | 225.0 | 58.8 | 9.7 | 87.8 |

TABLE 2a
 WIND VELOCITIES AND TURBULENCE INTENSITIES
 IN INTERIOR TRUSSES
 SHUTTLE ASSEMBLY BUILDING-VANDENBERG

| WIND AZIMUTH | UMEAN/UINF (PERCENT) | URMS/UINF (PERCENT) | (UMEAN+3*URMS)/UINF (PERCENT) |
|-------------------|-------------------------|------------------------|----------------------------------|
| <u>Location 1</u> | | | |
| 225.00 | 44.9 | 8.3 | 69.9 |
| 240.00 | 44.0 | 11.4 | 78.2 |
| 255.00 | 13.1 | 11.2 | 46.7 |
| 270.00 | 5.4 | 4.4 | 18.5 |
| <u>Location 2</u> | | | |
| 225.00 | 65.7 | 9.4 | 93.9 |
| 240.00 | 71.9 | 9.5 | 100.5 |
| 255.00 | 79.1 | 14.6 | 122.8 |
| 270.00 | 56.0 | 25.4 | 132.2 |
| <u>Location 3</u> | | | |
| 225.00 | 58.8 | 9.7 | 87.8 |
| 240.00 | 56.7 | 12.1 | 92.9 |
| 255.00 | 51.3 | 14.5 | 94.8 |
| 270.00 | 31.6 | 16.2 | 80.2 |
| <u>Location 4</u> | | | |
| 225.00 | 55.6 | 8.0 | 79.6 |
| 240.00 | 58.0 | 8.9 | 84.7 |
| 255.00 | 47.4 | 17.1 | 98.8 |
| 270.00 | 18.2 | 11.7 | 53.4 |
| <u>Location 5</u> | | | |
| 225.00 | 51.4 | 7.6 | 74.2 |
| 240.00 | 50.6 | 8.3 | 75.6 |
| 255.00 | 36.9 | 14.7 | 81.1 |
| 270.00 | 15.8 | 9.4 | 44.1 |
| <u>Location 6</u> | | | |
| 225.00 | 48.4 | 9.3 | 76.3 |
| 240.00 | 37.7 | 12.9 | 76.5 |
| 255.00 | 25.8 | 14.3 | 68.7 |
| 270.00 | 15.2 | 9.0 | 42.2 |

TABLE 2a (Continued)

| WIND AZIMUTH | UMEAN/UINF (PERCENT) | URMS/UINF (PERCENT) | (UMEAN+3*URMS)/UINF (PERCENT) |
|--------------------|-------------------------|------------------------|----------------------------------|
| <u>Location 7</u> | | | |
| 225.00 | 40.8 | 7.2 | 62.4 |
| 240.00 | 35.1 | 6.6 | 54.9 |
| 255.00 | 30.2 | 7.7 | 53.3 |
| 270.00 | 16.1 | 7.3 | 37.9 |
| <u>Location 8</u> | | | |
| 225.00 | 40.0 | 8.0 | 64.0 |
| 240.00 | 34.9 | 7.2 | 56.6 |
| 255.00 | 29.6 | 6.9 | 50.5 |
| 270.00 | 18.2 | 6.6 | 38.1 |
| <u>Location 9</u> | | | |
| 225.00 | 47.5 | 9.9 | 77.2 |
| 240.00 | 43.5 | 10.7 | 75.5 |
| 255.00 | 44.8 | 11.9 | 80.4 |
| 270.00 | 28.9 | 10.2 | 59.5 |
| <u>Location 10</u> | | | |
| 225.00 | 43.2 | 8.1 | 67.6 |
| 240.00 | 39.3 | 7.4 | 61.5 |
| 255.00 | 33.3 | 7.6 | 56.1 |
| 270.00 | 24.2 | 9.7 | 53.4 |
| <u>Location 11</u> | | | |
| 225.00 | 53.3 | 8.7 | 79.3 |
| 240.00 | 49.2 | 8.3 | 74.0 |
| 255.00 | 35.7 | 9.0 | 62.8 |
| 270.00 | 24.4 | 8.5 | 50.0 |
| <u>Location 12</u> | | | |
| 225.00 | 43.6 | 7.8 | 66.8 |
| 240.00 | 39.3 | 7.2 | 61.0 |
| 255.00 | 33.3 | 6.6 | 53.2 |
| 270.00 | 37.6 | 10.3 | 68.6 |

TABLE 2b
 WIND VELOCITIES AND TURBULENCE INTENSITIES
 ACROSS GAP

SHUTTLE ASSEMBLY BUILDING-VANDENBERG

| WIND AZIMUTH | UMEAN/UINF (PERCENT) | URMS/UINF (PERCENT) | (UMEAN+3*URMS)/UINF (PERCENT) |
|--------------------|-------------------------|------------------------|----------------------------------|
| <u>Location 13</u> | | | |
| 0.00 | 92.4 | 9.0 | 119.4 |
| <u>Location 14</u> | | | |
| 0.00 | 34.0 | 10.8 | 66.3 |
| <u>Location 15</u> | | | |
| 0.00 | 24.8 | 7.7 | 47.8 |
| <u>Location 16</u> | | | |
| 0.00 | 17.3 | 5.9 | 35.0 |
| <u>Location 17</u> | | | |
| 0.00 | 76.5 | 6.4 | 95.6 |

TABLE 3

ANSI EFFECTIVE VELOCITY PRESSURES FOR PARTS AND PORTIONS

| <u>Height above Ground, ft</u> | <u>q_p</u> |
|--------------------------------|-------------------------|
| 0-30 | 24 |
| 31-75 | 27 |
| 76-125 | 31 |
| 126-175 | 34 |
| 176-225 | 36 |
| 226-275 | 38 |
| 276-325 | 39 |

TABLE 4

ANSI EFFECTIVE VELOCITY PRESSURES FOR STRUCTURES

| <u>Height above Ground, ft</u> | <u>q_F</u> |
|--------------------------------|-------------------------|
| 0-29 | 15 |
| 30-40 | 21 |
| 41-75 | 24 |
| 76-125 | 28 |
| 126-175 | 31 |
| 176-225 | 33 |
| 226-275 | 34 |
| 276-325 | 36 |

TABLE 5

CALCULATION OF REFERENCE PRESSURE

1. Basic wind speed assigned by the sponsor:

Fastest mile at 30 ft = 80 mph

$$\text{Mean hourly wind speed} = \frac{80}{1.28} = 62.5 \text{ mph}$$

$$\text{Mean hourly gradient wind speed} = 62.5 \left(\frac{1000}{30}\right)^{.14} = 102.1 \text{ mph}$$

$$\text{Mean hourly wind at ref location at 400'} = 102.1 \left(\frac{400}{1000}\right)^{.14} = 89.8 \text{ mph}$$

$$\text{Reference pressure} = 0.5 \rho U_{\infty}^2 = (0.00256) (89.8)^2 = 20.6 \text{ psf}$$

Use reference pressure = 21 psf

2. Gust load factors to convert hourly mean integrated loads to various gust durations (see Sect. 4.4):

| <u>Gust Duration, sec</u> | <u>Gust Load Factor</u> |
|---------------------------|-------------------------|
| 10-15 | $(1.4)^2 = 1.96$ |
| 30 | $(1.32)^2 = 1.74$ |
| 45 | $(1.26)^2 = 1.59$ |

30-sec duration load factor was used in Table 7.

TABLE 6A. PEAK LOADS FOR CONFIGURATION A :
LARGEST VALUES OF CLADDING LOAD

SHUTTLE ASSEMBLY BUILDING-VANDENBERG
REFERENCE PRESSURE = 21.0 PSF

| TAP | AZI-NUTH | PRESS COEFF | NEGATIVE PEAK | POSITIVE PEAK | TAP | AZI-NUTH | PRESS COEFF | NEGATIVE PEAK | POSITIVE PEAK | TAP | AZI-NUTH | PRESS COEFF | NEGATIVE PEAK | POSITIVE PEAK |
|-----|----------|-------------|---------------|---------------|-----|----------|-------------|---------------|---------------|-----|----------|-------------|---------------|---------------|
| | | | PSF | PSF | | | | PSF | PSF | | | | PSF | PSF |
| 101 | 330 | -3.01 | -63.1 | 23.7 | 225 | 75 | -2.08 | -43.6 | 25.4 | 273 | 90 | -2.25 | -47.3 | 19.4 |
| 102 | 345 | -2.47 | -51.8 | 22.6 | 226 | 90 | -1.89 | -39.7 | 27.1 | 301 | 15 | -1.92 | -40.2 | 29.3 |
| 103 | 165 | -2.07 | -43.6 | 21.8 | 227 | 330 | -1.76 | -36.9 | 28.3 | 302 | 30 | -2.50 | -52.5 | 28.3 |
| 104 | 165 | -2.16 | -45.3 | 21.4 | 228 | 0 | -2.04 | -42.9 | 29.3 | 303 | 150 | -1.90 | -39.9 | 30.8 |
| 105 | 45 | -2.20 | -46.2 | 20.4 | 229 | 0 | -1.94 | -40.8 | 29.1 | 304 | 30 | -2.01 | -42.5 | 32.1 |
| 106 | 165 | -2.11 | -44.3 | 30.3 | 230 | 270 | -1.80 | -37.8 | 27.2 | 305 | 30 | -1.95 | -41.0 | 30.0 |
| 107 | 330 | -2.82 | -59.1 | 29.8 | 231 | 270 | -1.77 | -37.1 | 28.4 | 306 | 30 | -1.95 | -41.0 | 30.0 |
| 108 | 45 | -1.78 | -37.4 | 29.2 | 232 | 75 | -1.70 | -35.7 | 28.6 | 307 | 45 | -2.14 | -45.0 | 29.6 |
| 109 | 0 | -1.73 | -36.8 | 31.9 | 233 | 75 | -1.42 | -29.9 | 28.8 | 308 | 180 | -1.93 | -40.5 | 30.5 |
| 110 | 195 | -1.84 | -38.7 | 29.6 | 234 | 90 | -1.73 | -36.3 | 27.4 | 309 | 150 | -1.69 | -35.4 | 31.1 |
| 111 | 330 | -2.08 | -43.8 | 31.9 | 235 | 90 | -1.86 | -43.2 | 29.3 | 310 | 30 | -2.34 | -49.1 | 30.0 |
| 112 | 45 | -2.09 | -43.8 | 20.0 | 236 | 90 | -2.07 | -43.6 | 29.0 | 311 | 180 | -2.08 | -43.6 | 30.3 |
| 113 | 15 | -2.08 | -43.3 | 18.3 | 237 | 0 | -1.99 | -41.8 | 28.4 | 312 | 180 | -2.62 | -55.1 | 28.6 |
| 114 | 0 | -2.07 | -43.4 | 18.8 | 238 | 270 | -2.06 | -43.4 | 24.7 | 313 | 15 | -2.06 | -43.3 | 22.1 |
| 115 | 330 | -2.46 | -51.6 | 31.8 | 239 | 270 | -2.00 | -42.1 | 27.1 | 314 | 180 | -1.76 | -37.0 | 32.3 |
| 116 | 330 | -1.84 | -38.6 | 31.2 | 240 | 270 | -1.54 | -32.3 | 27.4 | 401 | 0 | -2.39 | -50.3 | 22.2 |
| 120 | 330 | -1.79 | -37.6 | 31.5 | 241 | 80 | -1.68 | -35.2 | 26.9 | 402 | 15 | -2.27 | -47.7 | 22.2 |
| 121 | 330 | -2.03 | -42.4 | 31.1 | 242 | 75 | -1.75 | -36.8 | 27.7 | 403 | 300 | -1.95 | -40.9 | 27.7 |
| 125 | 330 | -2.04 | -42.9 | 26.7 | 243 | 90 | -2.15 | -45.2 | 25.5 | 404 | 0 | -2.17 | -45.0 | 26.6 |
| 126 | 165 | -2.03 | -42.6 | 30.6 | 244 | 90 | -2.09 | -43.9 | 28.3 | 405 | 180 | -1.83 | -38.4 | 29.0 |
| 130 | 330 | -2.53 | -53.1 | 24.2 | 245 | 105 | -1.71 | -35.8 | 31.3 | 501 | 0 | -3.64 | -76.4 | 30.0 |
| 131 | 210 | -1.64 | -34.4 | 27.7 | 246 | 90 | -1.81 | -38.1 | 24.9 | 502 | 45 | -2.95 | -61.1 | 30.0 |
| 135 | 0 | -2.15 | -45.1 | 21.7 | 247 | 270 | -2.18 | -45.9 | 24.4 | 503 | 45 | -3.15 | -66.1 | 31.1 |
| 136 | 445 | -2.44 | -51.3 | 23.0 | 248 | 270 | -2.36 | -49.5 | 27.3 | 504 | 330 | -4.03 | -86.7 | 27.7 |
| 201 | 225 | -2.16 | -45.5 | 22.4 | 249 | 270 | -1.95 | -40.9 | 27.4 | 505 | 0 | -2.00 | -44.1 | 27.7 |
| 202 | 225 | -2.65 | -55.7 | 18.3 | 250 | 285 | -1.73 | -36.3 | 24.7 | 506 | 60 | -2.40 | -50.4 | 23.3 |
| 203 | 225 | -2.38 | -50.0 | 17.0 | 251 | 75 | -1.70 | -35.8 | 25.0 | 507 | 270 | -2.79 | -58.8 | 24.7 |
| 204 | 225 | -1.78 | -37.5 | 35.0 | 252 | 75 | -2.84 | -59.6 | 26.3 | 508 | 45 | -3.61 | -75.7 | 29.9 |
| 205 | 90 | -2.26 | -47.5 | 33.5 | 253 | 90 | -2.36 | -49.7 | 27.4 | 509 | 45 | -3.85 | -80.9 | 28.8 |
| 206 | 90 | -1.42 | -30.9 | 31.1 | 254 | 90 | -2.26 | -47.5 | 24.9 | 901 | 315 | -3.69 | -77.4 | 22.2 |
| 207 | 345 | -1.83 | -38.9 | 14.8 | 255 | 90 | -3.76 | -76.9 | 25.6 | 902 | 300 | -2.94 | -61.8 | 17.7 |
| 208 | 90 | -1.98 | -41.5 | 27.7 | 256 | 270 | -2.63 | -55.2 | 25.7 | 903 | 15 | -3.10 | -61.1 | 26.6 |
| 210 | 150 | -2.88 | -60.6 | 30.3 | 257 | 270 | -2.15 | -45.2 | 24.9 | 904 | 285 | -3.09 | -63.0 | 23.5 |
| 211 | 75 | -2.00 | -42.0 | 27.1 | 258 | 285 | -2.35 | -49.4 | 25.9 | 905 | 270 | -2.42 | -50.8 | 10.4 |
| 212 | 285 | -1.87 | -39.2 | 29.9 | 259 | 285 | -1.60 | -33.6 | 25.4 | 906 | 45 | -3.25 | -68.3 | 14.4 |
| 213 | 285 | -2.39 | -50.1 | 23.6 | 260 | 75 | -1.62 | -34.1 | 29.9 | 907 | 45 | -3.64 | -76.4 | 15.0 |
| 214 | 285 | -2.22 | -46.6 | 17.5 | 261 | 75 | -1.95 | -41.0 | 25.2 | 908 | 45 | -3.00 | -63.0 | 11.3 |
| 215 | 90 | -1.89 | -39.8 | 15.4 | 262 | 75 | -2.60 | -54.6 | 26.8 | 909 | 30 | -3.74 | -78.5 | 9.9 |
| 216 | 90 | -1.78 | -37.4 | 10.9 | 263 | 90 | -1.76 | -37.0 | 25.3 | 910 | 315 | -4.08 | -85.7 | 14.6 |
| 217 | 270 | -1.79 | -37.7 | 14.1 | 264 | 90 | -2.23 | -46.9 | 24.0 | 911 | 285 | -2.67 | -55.9 | 12.2 |
| 218 | 90 | -2.14 | -44.9 | 13.9 | 265 | 75 | -2.04 | -42.7 | 23.2 | 912 | 60 | -2.81 | -59.9 | 12.2 |
| 219 | 90 | -2.19 | -46.0 | 19.6 | 266 | 270 | -2.35 | -49.3 | 24.7 | 913 | 15 | -2.30 | -48.3 | 27.7 |
| 221 | 285 | -1.76 | -36.9 | 22.5 | 267 | 285 | -1.74 | -36.6 | 26.9 | 914 | 285 | -2.26 | -47.4 | 11.4 |
| 222 | 285 | -1.66 | -34.9 | 22.7 | 268 | 285 | -1.63 | -34.3 | 26.9 | 915 | 45 | -2.25 | -47.3 | 9.9 |
| 223 | 285 | -1.98 | -41.6 | 27.7 | 269 | 75 | -1.60 | -33.7 | 26.4 | 916 | 45 | -2.49 | -52.1 | 15.4 |
| 224 | 285 | -1.66 | -34.8 | 26.6 | 270 | 75 | -1.92 | -40.4 | 26.7 | 917 | 45 | -3.86 | -78.2 | 13.2 |
| 225 | 285 | -1.60 | -33.7 | 26.9 | 271 | 90 | -2.42 | -50.9 | 25.3 | 918 | 45 | -3.70 | -77.7 | 14.0 |
| 227 | 75 | -1.67 | -35.0 | 27.0 | 272 | 90 | -1.69 | -35.7 | 25.3 | 919 | 30 | -2.99 | -62.7 | 23.3 |

TABLE 6A. PEAK LOADS FOR CONFIGURATION A :
LARGEST VALUES OF CLADDING LOAD

SHUTTLE ASSEMBLY BUILDING-VANDENBERG
REFERENCE PRESSURE = 21.0 PSF

| TAP | AZI-MUTH | PRESS COEFF | NEGATIVE PEAK | POSITIVE PEAK | TAP | AZI-MUTH | PRESS COEFF | NEGATIVE PEAK | POSITIVE PEAK | TAP | AZI-MUTH | PRESS COEFF | NEGATIVE PEAK | POSITIVE PEAK |
|------|----------|-------------|---------------|---------------|------|----------|-------------|---------------|---------------|------|----------|-------------|---------------|---------------|
| | | | PSF | PSF | | | | PSF | PSF | | | | PSF | PSF |
| 920 | 315 | -1.2 | -63 | 14.4 | 1223 | 180 | -1.22 | -25.6 | 18.3 | 1270 | 240 | -1.30 | -27.4 | 15.6 |
| 921 | 300 | -1.32 | -61 | 19.3 | 1224 | 0 | -1.26 | -26.5 | 20.1 | 1271 | 0 | -1.56 | -32.7 | 18.5 |
| 922 | 300 | -1.2 | -77 | 20.6 | 1225 | 0 | -1.40 | -29.5 | 19.5 | 1272 | 15 | -1.78 | -37.4 | 24.6 |
| 923 | 330 | -1.1 | -86 | 28.9 | 1226 | 0 | -1.37 | -28.7 | 24.1 | 1303 | 180 | -1.62 | -34.0 | 24.6 |
| 924 | 15 | -1.2 | -32 | 15.9 | 1227 | 0 | -1.42 | -29.7 | 23.3 | 1305 | 0 | -1.33 | -27.9 | 23.2 |
| 925 | 90 | -1.2 | -30 | 16.0 | 1230 | 345 | -1.42 | -29.8 | 19.3 | 1307 | 180 | -1.39 | -29.2 | 25.5 |
| 926 | 45 | -1.2 | -27 | 16.6 | 1231 | 0 | -1.37 | -28.8 | 19.8 | 1309 | 180 | -1.38 | -29.3 | 22.5 |
| 927 | 30 | -1.1 | -95 | 23.6 | 1232 | 0 | -1.26 | -26.8 | 16.4 | 1311 | 180 | -1.39 | -29.3 | 23.5 |
| 928 | 60 | -1.3 | -13 | 30.3 | 1233 | 0 | -1.22 | -25.6 | 18.1 | 1313 | 180 | -1.67 | -33.9 | 23.3 |
| 929 | 300 | -1.2 | -21 | 18.0 | 1234 | 0 | -1.35 | -28.4 | 22.1 | 1911 | 180 | -1.23 | -25.5 | 23.6 |
| 930 | 60 | -1.2 | -67 | 16.0 | 1235 | 0 | -1.21 | -23.5 | 22.6 | 1913 | 180 | -1.46 | -30.6 | 19.8 |
| 931 | 60 | -1.3 | -31 | 18.6 | 1236 | 0 | -1.36 | -28.5 | 25.4 | 1914 | 0 | -1.29 | -27.1 | 21.8 |
| 932 | 0 | -1.2 | -95 | 28.8 | 1239 | 0 | -1.31 | -27.7 | 19.8 | 1915 | 180 | -1.25 | -26.3 | 18.8 |
| 933 | 180 | -1.1 | -72 | 17.3 | 1240 | 0 | -1.29 | -27.1 | 22.1 | 1916 | 180 | -1.24 | -26.1 | 19.2 |
| 934 | 30 | -1.1 | -85 | 16.9 | 1241 | 0 | -1.30 | -27.3 | 17.5 | 1917 | 180 | -1.33 | -27.7 | 19.7 |
| 935 | 105 | -1.1 | -94 | 20.2 | 1242 | 0 | -1.34 | -28.8 | 16.1 | 1918 | 0 | -1.38 | -29.0 | 23.9 |
| 936 | 75 | -1.1 | -25 | 24.5 | 1243 | 0 | -1.37 | -29.7 | 18.8 | 1921 | 0 | -1.43 | -30.1 | 20.5 |
| 937 | 345 | -1.2 | -40 | 12.9 | 1244 | 0 | -1.26 | -26.5 | 23.2 | 1923 | 195 | -1.34 | -28.2 | 19.3 |
| 938 | 345 | -1.2 | -24 | 12.6 | 1245 | 0 | -1.41 | -29.7 | 24.6 | 1924 | 0 | -1.27 | -26.7 | 20.1 |
| 939 | 225 | -1.2 | -27 | 22.4 | 1248 | 0 | -1.41 | -29.7 | 21.2 | 1925 | 0 | -1.24 | -26.0 | 19.4 |
| 940 | 60 | -1.3 | -41 | 22.3 | 1249 | 0 | -1.50 | -31.6 | 17.5 | 1926 | 180 | -1.25 | -26.3 | 18.0 |
| 941 | 240 | -1.2 | -22 | 12.3 | 1250 | 0 | -1.31 | -27.7 | 17.2 | 1927 | 0 | -1.34 | -28.1 | 18.7 |
| 942 | 255 | -1.3 | -18 | 20.0 | 1251 | 240 | -1.34 | -28.2 | 16.0 | 1928 | 165 | -1.59 | -33.5 | 18.8 |
| 943 | 285 | -1.3 | -04 | 11.0 | 1252 | 0 | -1.33 | -28.0 | 16.2 | 1930 | 180 | -1.29 | -27.2 | 20.9 |
| 944 | 75 | -1.2 | -69 | 17.6 | 1253 | 0 | -1.38 | -29.9 | 21.4 | 1932 | 210 | -1.33 | -28.0 | 24.1 |
| 945 | 120 | -1.3 | -38 | 21.4 | 1254 | 0 | -1.38 | -29.9 | 21.2 | 1933 | 0 | -1.33 | -28.0 | 18.4 |
| 946 | 135 | -1.2 | -12 | 31.3 | 1257 | 0 | -1.69 | -35.3 | 22.3 | 1934 | 180 | -1.28 | -26.9 | 20.0 |
| 1107 | 180 | -1.1 | -47 | 21.6 | 1258 | 0 | -1.49 | -31.4 | 20.0 | 1935 | 180 | -1.25 | -26.3 | 18.8 |
| 1108 | 180 | -1.1 | -46 | 23.6 | 1259 | 180 | -1.24 | -26.6 | 14.3 | 1936 | 0 | -1.28 | -26.8 | 18.5 |
| 1109 | 210 | -1.1 | -29 | 18.5 | 1260 | 240 | -1.23 | -25.5 | 17.5 | 1937 | 150 | -2.47 | -51.9 | 23.1 |
| 1110 | 0 | -1.1 | -43 | 22.4 | 1261 | 0 | -1.28 | -26.8 | 20.0 | 1939 | 180 | -1.29 | -27.1 | 22.6 |
| 1111 | 210 | -1.1 | -68 | 19.8 | 1262 | 0 | -1.44 | -30.3 | 18.7 | 1941 | 0 | -1.29 | -27.1 | 19.0 |
| 1116 | 195 | -1.1 | -35 | 16.6 | 1263 | 0 | -1.35 | -28.6 | 22.4 | 1942 | 180 | -1.30 | -27.3 | 18.6 |
| 1121 | 180 | -1.1 | -46 | 19.9 | 1266 | 0 | -1.31 | -27.7 | 21.6 | 1943 | 240 | -1.26 | -26.4 | 20.3 |
| 1126 | 180 | -1.1 | -70 | 18.8 | 1267 | 0 | -1.23 | -25.9 | 20.0 | 1944 | 0 | -1.24 | -26.0 | 17.8 |
| 1136 | 195 | -1.1 | -41 | 19.0 | 1268 | 240 | -1.34 | -28.2 | 15.4 | 1945 | 15 | -1.25 | -26.2 | 20.9 |
| 1221 | 300 | -1.1 | -37 | 22.9 | 1269 | 0 | -1.29 | -27.0 | 16.2 | 1946 | 150 | -1.58 | -33.2 | 16.6 |
| 1222 | 0 | -1.1 | -35 | 19.5 | | | | | | | | | | |

TABLE 6A. PEAK LOADS FOR CONFIGURATION A :
LARGEST VALUES OF CLADDING LOAD

SHUTTLE ASSEMBLY BUILDING-VANDENBERG
REFERENCE PRESSURE = 21.0 PSF

* * 15 GREATEST PRESSURE MAGNITUDES * *

| TAP | AZI- MUTH | PRESS COEFF | NEGATIVE PEAK ----- PSF | POSITIVE PEAK ----- |
|-----|--------------|----------------|----------------------------------|---------------------------|
| 910 | 315 | -4.08 | -85.7 | 14.6 |
| 504 | 330 | -4.03 | -84.7 | 33.9 |
| 917 | 45 | -3.86 | -81.1 | 13.2 |
| 509 | 45 | -3.85 | -80.9 | 28.7 |
| 255 | 90 | -3.76 | -78.9 | 25.6 |
| 909 | 30 | -3.74 | -78.5 | 9.9 |
| 918 | 45 | -3.70 | -77.8 | 14.0 |
| 901 | 315 | -3.69 | -77.4 | 13.2 |
| 501 | 0 | -3.64 | -76.4 | 30.0 |
| 907 | 45 | -3.64 | -76.4 | 15.0 |
| 508 | 45 | -3.61 | -75.7 | 29.5 |
| 940 | 60 | -3.41 | -71.6 | 22.3 |
| 945 | 120 | -3.38 | -70.9 | 21.4 |
| 931 | 60 | -3.31 | -69.4 | 18.6 |
| 906 | 45 | -3.25 | -68.3 | 14.0 |

TABLE 6A. PEAK LOADS FOR CONFIGURATION B :
LARGEST VALUES OF CLADDING LOAD

SHUTTLE ASSEMBLY BUILDING-VANDENBERG
REFERENCE PRESSURE = 21.0 PSF

| TAP | AZI- MUTH | PRESS COEFF | NEGATIVE PEAK PSF | POSITIVE PEAK PSF | TAP | AZI- MUTH | PRESS COEFF | NEGATIVE PEAK PSF | POSITIVE PEAK PSF | TAP | AZI- MUTH | PRESS COEFF | NEGATIVE PEAK PSF | POSITIVE PEAK PSF |
|-----|--------------|----------------|-------------------------|-------------------------|-----|--------------|----------------|-------------------------|-------------------------|-----|--------------|----------------|-------------------------|-------------------------|
| 101 | 285 | 1.12 | -17.3 | 23.4 | 225 | 285 | -1.22 | -25.6 | 11.5 | 273 | 300 | -1.37 | -28.7 | 9.2 |
| 102 | 270 | 1.28 | -12.8 | 27.0 | 226 | 285 | -1.03 | -21.6 | 10.1 | 301 | 240 | -1.04 | -21.9 | 3.6 |
| 103 | 270 | 1.35 | -10.1 | 28.2 | 227 | 300 | -1.17 | -24.6 | 6.0 | 302 | 240 | -1.12 | -23.6 | 2.8 |
| 104 | 270 | 1.44 | -10.3 | 30.2 | 228 | 300 | -1.34 | -28.1 | 5.1 | 303 | 240 | -1.11 | -23.3 | 4.7 |
| 105 | 270 | 1.22 | -12.2 | 25.6 | 229 | 270 | -2.22 | -46.5 | 27.1 | 304 | 240 | -1.12 | -23.5 | 4.0 |
| 106 | 300 | 1.28 | -18.4 | 27.0 | 230 | 270 | -1.89 | -39.6 | 20.6 | 305 | 255 | -1.16 | -24.3 | 5.2 |
| 107 | 300 | 1.43 | -10.8 | 30.0 | 231 | 270 | -1.72 | -36.2 | 19.1 | 306 | 240 | -1.14 | -23.9 | 3.8 |
| 108 | 270 | 1.86 | -3.1 | 39.1 | 232 | 270 | -1.40 | -29.4 | 17.0 | 307 | 240 | -1.13 | -23.5 | 3.5 |
| 109 | 270 | 1.62 | -4.9 | 34.0 | 233 | 285 | -1.47 | -30.8 | 12.7 | 308 | 255 | -1.16 | -24.3 | 7.7 |
| 110 | 270 | 1.66 | -1.8 | 34.8 | 234 | 285 | -1.16 | -24.4 | 11.8 | 309 | 240 | -1.07 | -22.5 | 2.8 |
| 111 | 270 | 1.45 | -7.1 | 30.0 | 235 | 300 | -1.22 | -25.7 | 9.7 | 310 | 300 | -0.95 | -20.0 | 3.0 |
| 112 | 270 | 1.15 | -11.0 | 24.2 | 236 | 300 | -1.15 | -24.1 | 5.4 | 311 | 240 | -1.22 | -25.6 | 4.4 |
| 113 | 270 | .81 | -10.9 | 17.0 | 237 | 300 | -1.24 | -26.0 | 5.1 | 312 | 240 | -1.02 | -21.4 | 3.8 |
| 114 | 240 | .75 | -10.2 | 15.8 | 238 | 270 | -2.11 | -44.2 | 23.3 | 313 | 240 | -1.03 | -21.6 | 3.4 |
| 115 | 285 | 1.21 | -23.1 | 25.4 | 239 | 270 | -2.05 | -43.1 | 21.4 | 314 | 255 | -1.03 | -21.5 | 4.5 |
| 116 | 270 | 1.41 | -12.6 | 29.6 | 240 | 285 | -1.48 | -31.1 | 16.1 | 401 | 300 | -1.94 | -40.7 | 8.4 |
| 120 | 285 | 1.37 | -16.1 | 28.7 | 241 | 285 | -1.39 | -29.2 | 18.3 | 402 | 300 | -1.97 | -41.3 | 4.4 |
| 121 | 270 | 1.50 | -15.8 | 31.4 | 242 | 300 | -1.40 | -29.5 | 12.5 | 403 | 300 | -1.95 | -40.9 | 4.4 |
| 125 | 285 | 1.25 | -16.6 | 26.4 | 243 | 300 | -1.19 | -24.9 | 11.5 | 404 | 300 | -1.94 | -40.8 | 7.0 |
| 126 | 240 | 1.06 | -16.9 | 22.0 | 244 | 300 | -1.15 | -24.0 | 9.7 | 405 | 240 | -1.66 | -34.8 | 5.0 |
| 130 | 285 | 1.08 | -15.9 | 22.7 | 245 | 300 | -1.29 | -27.1 | 8.2 | 501 | 270 | 1.62 | -27.9 | 3.1 |
| 131 | 255 | 1.00 | -13.4 | 21.0 | 246 | 300 | -1.43 | -30.1 | 8.2 | 502 | 270 | 1.49 | -27.6 | 3.3 |
| 135 | 300 | .94 | -18.1 | 19.7 | 247 | 285 | -2.60 | -54.6 | 25.5 | 503 | 270 | 1.78 | -31.3 | 3.7 |
| 136 | 285 | .94 | -16.0 | 19.9 | 248 | 270 | -2.93 | -61.6 | 22.1 | 504 | 300 | 1.63 | -27.9 | 2.2 |
| 201 | 255 | -2.11 | -4.4 | 10.9 | 249 | 285 | -1.54 | -32.3 | 21.9 | 505 | 270 | 1.54 | -19.8 | 3.2 |
| 202 | 255 | -2.05 | -4.0 | 8.8 | 250 | 300 | -1.44 | -30.2 | 14.7 | 506 | 270 | 1.78 | -14.2 | 3.4 |
| 203 | 270 | -1.90 | -3.9 | 4.3 | 251 | 300 | -1.29 | -27.0 | 12.8 | 507 | 285 | 1.34 | -19.8 | 1.1 |
| 204 | 240 | -1.51 | -3.7 | 14.0 | 252 | 300 | -1.32 | -27.6 | 11.1 | 508 | 270 | 1.43 | -28.6 | 1.0 |
| 205 | 285 | -1.71 | -3.0 | 9.9 | 253 | 300 | -1.18 | -24.7 | 10.4 | 509 | 270 | -1.40 | -29.4 | 2.5 |
| 206 | 285 | -1.78 | -3.4 | 13.6 | 254 | 300 | -1.40 | -29.4 | 9.4 | 901 | 300 | -3.28 | -68.8 | 5.5 |
| 207 | 255 | -1.52 | -3.0 | 14.7 | 255 | 300 | -1.93 | -40.6 | 11.7 | 902 | 300 | -2.74 | -57.6 | 1.2 |
| 208 | 285 | -1.29 | -2.7 | 13.5 | 256 | 270 | -1.72 | -36.2 | 22.2 | 903 | 300 | -2.13 | -44.8 | 4.7 |
| 209 | 285 | -2.08 | -4.3 | 10.0 | 257 | 285 | -2.31 | -48.5 | 21.0 | 904 | 285 | -2.18 | -43.8 | 3.8 |
| 210 | 270 | -1.63 | -3.4 | 20.0 | 258 | 300 | -1.64 | -34.4 | 20.6 | 905 | 270 | -1.92 | -40.3 | 1.3 |
| 211 | 285 | -2.05 | -4.3 | 15.3 | 259 | 300 | -1.63 | -34.3 | 15.9 | 906 | 270 | -2.15 | -45.1 | 1.6 |
| 212 | 285 | -1.71 | -3.5 | 9.9 | 260 | 300 | -1.32 | -27.6 | 13.1 | 907 | 270 | -1.52 | -31.9 | 1.8 |
| 213 | 270 | -1.85 | -3.8 | 9.9 | 261 | 300 | -1.30 | -27.4 | 11.3 | 908 | 270 | -1.36 | -28.6 | 1.0 |
| 214 | 285 | -1.73 | -3.6 | 10.0 | 262 | 300 | -1.15 | -24.2 | 11.6 | 909 | 255 | -1.79 | -37.6 | 1.2 |
| 215 | 285 | -1.81 | -3.8 | 14.4 | 263 | 300 | -1.25 | -26.3 | 10.7 | 910 | 300 | -3.47 | -72.8 | 1.1 |
| 216 | 270 | -1.40 | -2.9 | 14.4 | 264 | 300 | -1.49 | -31.3 | 10.5 | 911 | 240 | -2.45 | -51.4 | 3.3 |
| 217 | 300 | -2.14 | -4.5 | 10.9 | 265 | 300 | -1.20 | -25.3 | 19.3 | 912 | 300 | -2.13 | -44.8 | 1.2 |
| 218 | 285 | -1.79 | -4.3 | 10.7 | 266 | 285 | -1.92 | -40.3 | 21.2 | 913 | 285 | -1.72 | -36.1 | 2.6 |
| 219 | 285 | -1.47 | -3.4 | 15.5 | 267 | 300 | -1.93 | -40.6 | 17.5 | 914 | 285 | -2.22 | -46.6 | 9.7 |
| 220 | 255 | -1.52 | -3.2 | 19.9 | 268 | 300 | -1.70 | -35.6 | 15.9 | 915 | 255 | -1.63 | -34.2 | 1.6 |
| 221 | 255 | -1.87 | -3.3 | 17.9 | 269 | 300 | -1.46 | -30.7 | 12.8 | 916 | 300 | -1.65 | -34.8 | 1.7 |
| 222 | 270 | -1.53 | -3.2 | 15.4 | 270 | 300 | -1.32 | -27.7 | 11.7 | 917 | 300 | -1.70 | -35.6 | 1.5 |
| 223 | 285 | -1.35 | -2.8 | 13.3 | 271 | 300 | -1.22 | -25.6 | 10.6 | 918 | 270 | -1.38 | -28.9 | 2.0 |
| 224 | 285 | -1.50 | -3.1 | 13.8 | 272 | 300 | -1.24 | -25.9 | 8.2 | 919 | 240 | -1.50 | -31.5 | 9.3 |

TABLE 6A. PEAK LOADS FOR CONFIGURATION B :
LARGEST VALUES OF CLADDING LOAD

SHUTTLE ASSEMBLY BUILDING-VANDENBERG
REFERENCE PRESSURE = 21.0 PSF

| TAP | AZI-NUTH | PRESS COEFF | NEGATIVE PEAK | | POSITIVE PEAK | TAP | AZI-NUTH | PRESS COEFF | NEGATIVE PEAK | | POSITIVE PEAK | TAP | AZI-NUTH | PRESS COEFF | NEGATIVE PEAK | | POSITIVE PEAK |
|------|----------|-------------|---------------|------|---------------|-----|----------|-------------|---------------|------|---------------|-------|----------|-------------|---------------|-----|---------------|
| | | | ---- | PSF | ---- | | | | PSF | ---- | PSF | | | | ---- | PSF | |
| 920 | 300 | -2.34 | -49.1 | 4.8 | 12223 | 240 | -1.06 | -22.4 | 6.7 | 1270 | 240 | -1.19 | -25.0 | 6.8 | | | |
| 921 | 300 | -2.93 | -61.5 | 4.6 | 12224 | 240 | -1.00 | -21.0 | 4.1 | 1271 | 240 | -1.42 | -29.8 | 12.7 | | | |
| 922 | 300 | -2.60 | -61.3 | 1.0 | 12225 | 240 | -1.04 | -21.9 | 3.5 | 1272 | 240 | -1.06 | -22.3 | 1.1 | | | |
| 923 | 270 | -1.92 | -33.7 | 7.0 | 12226 | 240 | -1.91 | -19.1 | 5.6 | 1303 | 300 | -1.91 | -19.0 | 5.7 | | | |
| 924 | 240 | -2.01 | -42.3 | 11.5 | 12227 | 240 | -1.03 | -21.6 | 3.4 | 1305 | 300 | -1.00 | -21.1 | 5.4 | | | |
| 925 | 270 | -1.41 | -29.7 | 13.0 | 12300 | 240 | -1.02 | -21.5 | 14.7 | 1307 | 300 | -1.99 | -20.8 | 12.4 | | | |
| 926 | 270 | -1.22 | -25.6 | 15.3 | 12311 | 240 | -1.12 | -23.4 | 15.3 | 1309 | 300 | -1.03 | -21.6 | 10.7 | | | |
| 927 | 270 | -1.24 | -26.0 | 21.4 | 12322 | 240 | -1.07 | -22.5 | 10.1 | 1311 | 300 | -1.98 | -20.5 | 13.3 | | | |
| 928 | 270 | -1.63 | -34.1 | 28.2 | 12333 | 240 | -1.07 | -22.5 | 6.2 | 1313 | 300 | -1.12 | -23.5 | 10.6 | | | |
| 929 | 285 | -1.80 | -37.8 | 1.1 | 12344 | 240 | -1.00 | -21.0 | 4.3 | 1911 | 240 | -1.95 | -19.9 | 6.5 | | | |
| 930 | 300 | -2.01 | -42.3 | 2.0 | 12355 | 240 | -1.16 | -24.5 | 7.1 | 1913 | 240 | -1.17 | -24.6 | 4.8 | | | |
| 931 | 300 | -2.94 | -61.7 | 5.8 | 12366 | 240 | -1.11 | -23.3 | 4.6 | 1914 | 300 | -1.94 | -19.8 | 10.3 | | | |
| 932 | 240 | -1.50 | -31.5 | 3.3 | 12399 | 240 | -1.06 | -22.4 | 13.3 | 1915 | 300 | -1.04 | -21.9 | 5.5 | | | |
| 933 | 255 | -1.82 | -38.3 | 11.1 | 12400 | 255 | -1.13 | -23.6 | 17.0 | 1916 | 300 | -1.95 | -19.9 | 5.9 | | | |
| 934 | 270 | -1.79 | -37.6 | 14.1 | 12411 | 240 | -1.13 | -23.8 | 13.4 | 1917 | 300 | -1.92 | -19.3 | 3.5 | | | |
| 935 | 270 | -1.22 | -25.6 | 17.7 | 12422 | 240 | -1.14 | -24.0 | 7.5 | 1918 | 300 | -1.89 | -18.7 | 4.3 | | | |
| 936 | 270 | -1.24 | -26.0 | 23.7 | 12443 | 240 | -1.14 | -24.0 | 6.3 | 1921 | 240 | -1.00 | -21.0 | 3.8 | | | |
| 937 | 270 | -1.56 | -16.9 | 32.7 | 12444 | 240 | -1.05 | -22.0 | 7.2 | 1923 | 240 | -1.15 | -24.2 | 5.0 | | | |
| 938 | 270 | -1.39 | -50.2 | 1.3 | 12445 | 240 | -1.18 | -24.8 | 10.1 | 1924 | 240 | -1.08 | -22.6 | 8.1 | | | |
| 939 | 240 | -2.20 | -46.2 | 3.1 | 12488 | 240 | -1.06 | -22.3 | 14.7 | 1925 | 300 | -1.03 | -21.6 | 6.4 | | | |
| 940 | 240 | -3.12 | -65.6 | 1.8 | 12499 | 255 | -1.13 | -23.6 | 15.3 | 1926 | 300 | -1.96 | -20.2 | 4.2 | | | |
| 941 | 240 | -2.01 | -42.3 | 1.9 | 12500 | 240 | -1.15 | -24.1 | 12.8 | 1927 | 300 | -1.95 | -19.9 | 6.7 | | | |
| 942 | 255 | -2.90 | -60.9 | 6.6 | 12551 | 255 | -1.13 | -23.6 | 9.7 | 1928 | 300 | -1.94 | -19.8 | 4.9 | | | |
| 943 | 255 | -2.42 | -50.8 | 14.4 | 12552 | 240 | -1.26 | -26.4 | 6.2 | 1930 | 240 | -1.16 | -24.4 | 4.8 | | | |
| 944 | 270 | -1.86 | -39.1 | 15.5 | 12553 | 240 | -1.22 | -25.5 | 7.2 | 1932 | 240 | -1.18 | -24.7 | 3.8 | | | |
| 945 | 270 | -2.21 | -46.3 | 23.4 | 12554 | 240 | -1.11 | -23.4 | 6.6 | 1933 | 240 | -1.31 | -27.5 | 7.1 | | | |
| 946 | 270 | -1.47 | -19.0 | 30.8 | 12557 | 240 | -1.09 | -22.8 | 15.7 | 1934 | 300 | -1.07 | -22.5 | 2.5 | | | |
| 1107 | 240 | -1.08 | -22.7 | 6.3 | 12558 | 240 | -1.03 | -21.6 | 15.3 | 1935 | 300 | -1.05 | -22.0 | 5.6 | | | |
| 1108 | 240 | -1.23 | -25.9 | 4.4 | 12559 | 240 | -1.23 | -25.9 | 9.7 | 1936 | 300 | -1.01 | -21.2 | 5.1 | | | |
| 1109 | 240 | -1.33 | -27.9 | 4.4 | 12600 | 240 | -1.13 | -23.8 | 7.5 | 1937 | 240 | -1.01 | -21.3 | 4.4 | | | |
| 1110 | 240 | -1.09 | -22.9 | 5.9 | 12611 | 240 | -1.33 | -28.0 | 7.8 | 1939 | 240 | -1.12 | -23.6 | 4.8 | | | |
| 1111 | 240 | -1.38 | -28.9 | 3.7 | 12662 | 240 | -1.12 | -23.5 | 6.9 | 1941 | 240 | -1.17 | -24.5 | 3.8 | | | |
| 1116 | 270 | -1.46 | -30.7 | 7.4 | 12663 | 240 | -1.08 | -22.7 | 6.8 | 1942 | 240 | -1.20 | -25.2 | 2.2 | | | |
| 1121 | 270 | -1.30 | -27.4 | 14.3 | 12664 | 240 | -1.05 | -22.0 | 19.8 | 1943 | 240 | -1.16 | -24.5 | 3.4 | | | |
| 1126 | 270 | -1.09 | -22.9 | 16.5 | 12667 | 255 | -1.06 | -22.3 | 12.3 | 1944 | 240 | -1.14 | -24.0 | 3.6 | | | |
| 1136 | 300 | -1.06 | -22.3 | 17.3 | 12668 | 240 | -1.21 | -25.4 | 14.1 | 1945 | 240 | -1.04 | -21.8 | 4.7 | | | |
| 1221 | 300 | -1.23 | -25.8 | 3.4 | 12669 | 255 | -1.13 | -23.8 | 9.0 | 1946 | 240 | -1.03 | -21.7 | 2.6 | | | |
| 1222 | 300 | -1.12 | -23.4 | 3.1 | | | | | | | | | | | | | |

TABLE 6A. PEAK LOADS FOR CONFIGURATION B :
LARGEST VALUES OF CLADDING LOAD

SHUTTLE ASSEMBLY BUILDING-VANDENBERG
REFERENCE PRESSURE = 21.0 PSF

* * 15 GREATEST PRESSURE MAGNITUDES * *

| TAP | AZI- MUTH | PRESS COEFF | NEGATIVE PEAK ----- PSF | POSITIVE PEAK ----- |
|-----|--------------|----------------|----------------------------------|---------------------------|
| 910 | 300 | -3.47 | -72.8 | .1 |
| 901 | 300 | -3.28 | -68.8 | 1.5 |
| 940 | 240 | -3.12 | -65.6 | 1.8 |
| 931 | 300 | -2.94 | -61.7 | 5.8 |
| 248 | 270 | -2.93 | -61.6 | 22.1 |
| 921 | 300 | -2.93 | -61.5 | 4.6 |
| 922 | 300 | -2.92 | -61.3 | 1.0 |
| 942 | 255 | -2.90 | -60.9 | 6.6 |
| 902 | 300 | -2.74 | -57.6 | 12.9 |
| 247 | 285 | -2.60 | -54.6 | 25.5 |
| 911 | 240 | -2.45 | -51.4 | -.3 |
| 943 | 255 | -2.42 | -50.8 | 14.4 |
| 938 | 270 | -2.39 | -50.2 | 1.3 |
| 920 | 300 | -2.34 | -49.1 | 4.8 |
| 257 | 285 | -2.31 | -48.5 | 21.0 |

TABLE 6A. PEAK LOADS FOR CONFIGURATION C :
LARGEST VALUES OF CLADDING LOAD

SHUTTLE ASSEMBLY BUILDING-VANDENBERG
REFERENCE PRESSURE = 21.0 PSF

| TAP | AZI- MUTH | PRESS COEFF | NEGATIVE PEAK ----- PSF | POSITIVE PEAK ----- PSF | TAP | AZI- MUTH | PRESS COEFF | NEGATIVE PEAK ----- PSF | POSITIVE PEAK ----- PSF | TAP | AZI- MUTH | PRESS COEFF | NEGATIVE PEAK ----- PSF | POSITIVE PEAK ----- PSF |
|-----|--------------|----------------|----------------------------------|----------------------------------|-----|--------------|----------------|----------------------------------|----------------------------------|-----|--------------|----------------|----------------------------------|----------------------------------|
| 101 | 345 | -2.40 | -50.3 | 22.6 | 223 | 270 | -1.52 | -31.9 | 26.2 | 273 | 90 | -2.00 | -42.0 | 24.9 |
| 102 | 165 | -2.94 | -64.7 | 17.8 | 226 | 270 | -1.79 | -37.7 | 26.8 | 301 | 90 | -2.12 | -44.2 | 25.0 |
| 103 | 150 | -2.52 | -52.8 | 16.4 | 227 | 105 | -1.75 | -36.6 | 26.7 | 302 | 90 | -2.44 | -47.1 | 25.0 |
| 104 | 160 | -2.43 | -51.1 | 19.2 | 228 | 105 | -2.15 | -45.0 | 28.3 | 303 | 90 | -1.64 | -34.4 | 23.1 |
| 105 | 0 | -2.33 | -48.8 | 18.2 | 229 | 6 | -2.80 | -58.9 | 27.4 | 304 | 90 | -2.26 | -47.7 | 23.3 |
| 106 | 165 | -1.90 | -40.0 | 30.5 | 230 | 270 | -2.31 | -48.4 | 27.1 | 305 | 90 | -1.71 | -35.9 | 23.3 |
| 107 | 345 | -1.97 | -41.4 | 29.2 | 231 | 270 | -2.19 | -46.1 | 31.5 | 306 | 90 | -2.61 | -53.9 | 23.0 |
| 108 | 345 | -1.99 | -41.8 | 26.2 | 232 | 270 | -1.82 | -38.2 | 27.1 | 307 | 90 | -2.05 | -43.3 | 23.1 |
| 109 | 0 | -1.94 | -40.8 | 28.2 | 233 | 270 | -1.78 | -37.4 | 27.3 | 308 | 90 | -2.33 | -47.9 | 22.7 |
| 110 | 180 | -2.10 | -44.1 | 28.6 | 234 | 270 | -1.61 | -33.8 | 29.4 | 309 | 90 | -1.85 | -40.9 | 22.9 |
| 111 | 240 | -2.55 | -53.5 | 28.8 | 235 | 75 | -1.46 | -30.6 | 29.9 | 310 | 90 | -3.01 | -61.1 | 21.1 |
| 112 | 345 | -2.43 | -51.0 | 27.4 | 236 | 120 | -1.80 | -37.7 | 27.3 | 311 | 90 | -1.88 | -41.1 | 22.6 |
| 113 | 0 | -2.29 | -48.1 | 29.2 | 237 | 105 | -2.40 | -50.3 | 27.3 | 312 | 90 | -2.60 | -54.4 | 22.4 |
| 114 | 0 | -2.29 | -48.1 | 27.7 | 238 | 255 | -2.16 | -44.3 | 28.9 | 313 | 90 | -1.89 | -41.9 | 22.8 |
| 115 | 180 | -2.12 | -44.5 | 30.0 | 239 | 270 | -2.11 | -43.1 | 26.2 | 314 | 105 | -2.27 | -47.7 | 22.8 |
| 116 | 225 | -2.28 | -48.9 | 29.2 | 240 | 255 | -2.05 | -43.1 | 27.2 | 401 | 0 | -2.28 | -47.7 | 22.8 |
| 120 | 180 | -2.34 | -49.1 | 27.7 | 241 | 270 | -1.98 | -41.5 | 27.0 | 402 | 180 | -3.06 | -64.4 | 21.0 |
| 121 | 240 | -2.87 | -60.3 | 28.8 | 242 | 270 | -1.70 | -35.6 | 27.2 | 403 | 285 | -2.02 | -42.3 | 22.8 |
| 122 | 180 | -2.54 | -56.0 | 29.7 | 243 | 75 | -1.46 | -30.7 | 26.9 | 404 | 300 | -2.20 | -46.6 | 22.7 |
| 123 | 240 | -2.47 | -52.8 | 29.3 | 244 | 90 | -1.62 | -34.0 | 26.5 | 405 | 195 | -2.24 | -47.5 | 22.7 |
| 125 | 345 | -2.90 | -60.9 | 29.3 | 245 | 105 | -2.14 | -45.4 | 28.9 | 501 | 195 | -2.14 | -45.5 | 22.8 |
| 126 | 240 | -2.38 | -57.1 | 29.1 | 246 | 90 | -2.16 | -45.3 | 28.0 | 502 | 345 | -2.11 | -44.4 | 22.2 |
| 127 | 180 | -2.63 | -55.2 | 21.4 | 247 | 270 | -2.15 | -45.2 | 27.4 | 503 | 345 | -2.19 | -44.4 | 22.1 |
| 128 | 345 | -2.53 | -54.4 | 21.4 | 248 | 270 | -2.31 | -52.2 | 25.4 | 504 | 15 | -2.56 | -53.5 | 22.0 |
| 129 | 285 | -2.07 | -43.7 | 19.7 | 249 | 270 | -2.33 | -48.8 | 25.5 | 505 | 180 | -1.90 | -41.1 | 22.8 |
| 130 | 285 | -2.71 | -56.4 | 14.4 | 250 | 270 | -1.98 | -41.6 | 25.3 | 506 | 0 | -2.15 | -45.5 | 22.7 |
| 131 | 285 | -2.95 | -62.0 | 14.4 | 251 | 270 | -2.32 | -48.7 | 25.0 | 507 | 0 | -2.39 | -53.0 | 22.2 |
| 132 | 285 | -2.22 | -46.5 | 34.7 | 252 | 75 | -1.61 | -33.3 | 27.7 | 508 | 345 | -2.66 | -56.6 | 22.4 |
| 133 | 285 | -2.08 | -43.3 | 31.1 | 253 | 75 | -1.71 | -35.5 | 24.3 | 509 | 345 | -2.29 | -48.9 | 22.9 |
| 134 | 105 | -2.31 | -48.6 | 27.1 | 254 | 105 | -1.73 | -36.3 | 24.8 | 901 | 300 | -3.93 | -82.2 | 21.9 |
| 135 | 270 | -2.93 | -60.6 | 21.1 | 255 | 270 | -2.75 | -57.7 | 24.4 | 902 | 300 | -3.09 | -68.5 | 21.7 |
| 136 | 270 | -2.58 | -54.2 | 22.0 | 256 | 270 | -1.84 | -38.8 | 25.3 | 903 | 330 | -3.03 | -65.3 | 21.4 |
| 137 | 270 | -2.14 | -49.0 | 23.3 | 257 | 270 | -2.48 | -52.1 | 24.4 | 904 | 285 | -2.94 | -61.1 | 21.2 |
| 138 | 270 | -2.34 | -49.1 | 26.6 | 258 | 270 | -2.46 | -52.1 | 25.2 | 905 | 270 | -2.43 | -51.1 | 21.1 |
| 139 | 270 | -2.50 | -53.6 | 26.4 | 259 | 270 | -2.02 | -42.6 | 25.3 | 906 | 30 | -3.67 | -77.7 | 20.6 |
| 140 | 270 | -2.47 | -53.1 | 24.4 | 260 | 270 | -2.02 | -42.5 | 24.4 | 907 | 345 | -3.58 | -75.5 | 20.5 |
| 141 | 33 | -2.32 | -49.9 | 16.1 | 261 | 75 | -1.60 | -33.3 | 27.7 | 908 | 0 | -3.49 | -73.3 | 20.2 |
| 142 | 33 | -2.47 | -51.1 | 16.6 | 262 | 75 | -1.72 | -36.1 | 26.4 | 909 | 330 | -2.72 | -57.7 | 20.1 |
| 143 | 33 | -2.47 | -51.1 | 16.6 | 263 | 330 | -2.02 | -42.5 | 26.7 | 910 | 330 | -4.28 | -90.0 | 19.1 |
| 144 | 30 | -2.47 | -51.1 | 16.6 | 264 | 90 | -2.31 | -48.6 | 24.7 | 911 | 300 | -3.61 | -75.7 | 18.4 |
| 145 | 270 | -2.42 | -50.8 | 12.7 | 265 | 255 | -2.18 | -45.3 | 24.6 | 912 | 120 | -3.20 | -67.1 | 18.4 |
| 146 | 90 | -2.71 | -55.8 | 12.7 | 266 | 90 | -2.31 | -48.6 | 24.6 | 913 | 0 | -2.22 | -46.6 | 18.4 |
| 147 | 16 | -2.61 | -53.9 | 13.5 | 267 | 270 | -2.64 | -55.4 | 22.1 | 914 | 285 | -2.61 | -54.4 | 18.3 |
| 148 | 16 | -2.64 | -53.4 | 23.3 | 268 | 255 | -2.14 | -44.4 | 22.9 | 915 | 15 | -3.65 | -76.6 | 18.2 |
| 149 | 16 | -2.00 | -44.1 | 24.4 | 269 | 270 | -2.64 | -55.4 | 22.9 | 916 | 30 | -3.66 | -77.7 | 18.2 |
| 150 | 220 | -2.50 | -52.2 | 27.0 | 270 | 270 | -1.62 | -34.1 | 29.8 | 917 | 345 | -4.25 | -89.9 | 16.6 |
| 151 | 220 | -2.17 | -45.3 | 28.8 | 271 | 270 | -1.72 | -36.6 | 29.5 | 918 | 345 | -3.75 | -78.8 | 16.2 |
| 152 | 220 | -1.96 | -41.4 | 28.9 | 272 | 75 | -2.01 | -42.2 | 28.7 | 919 | 75 | -2.12 | -44.4 | 15.8 |
| 153 | 220 | -1.95 | -40.9 | 26.0 | 272 | 285 | -1.66 | -34.9 | 29.3 | | | | | |

TABLE 6A. PEAK LOADS FOR CONFIGURATION C :
LARGEST VALUES OF CLADDING LOAD

SHUTTLE ASSEMBLY BUILDING-VANDENBERG
REFERENCE PRESSURE = 21.0 PSF

| TAP | AZI- MUTH | PRESS COEFF | NEGATIVE PEAK ---- PSF | POSITIVE PEAK ---- PSF | TAP | AZI- MUTH | PRESS COEFF | NEGATIVE PEAK ---- PSF | POSITIVE PEAK ---- PSF | TAP | AZI- MUTH | PRESS COEFF | NEGATIVE PEAK ---- PSF | POSITIVE PEAK ---- PSF |
|------|--------------|----------------|---------------------------------|---------------------------------|------|--------------|----------------|---------------------------------|---------------------------------|------|--------------|----------------|---------------------------------|---------------------------------|
| 920 | 315 | -3.43 | -72.0 | 14.7 | 1223 | 345 | -1.42 | -29.9 | 27.6 | 1270 | 180 | -1.57 | -32.9 | 31.3 |
| 921 | 300 | -3.61 | -75.9 | 13.3 | 1224 | 270 | -1.50 | -31.0 | 31.6 | 1271 | 270 | -1.47 | -30.6 | 30.8 |
| 922 | 180 | -2.64 | -55.4 | 17.5 | 1225 | 345 | -1.53 | -32.0 | 30.1 | 1272 | 180 | -1.40 | -29.4 | 28.5 |
| 923 | 0 | -2.05 | -48.1 | 24.5 | 1226 | 180 | -1.47 | -30.9 | 27.4 | 1303 | 180 | -1.61 | -33.9 | 32.0 |
| 924 | 15 | -2.08 | -43.7 | 13.9 | 1227 | 195 | -1.42 | -29.8 | 29.6 | 1305 | 180 | -1.74 | -36.6 | 26.5 |
| 925 | 165 | -3.06 | -64.2 | 14.9 | 1230 | 345 | -1.66 | -34.8 | 28.4 | 1307 | 180 | -1.52 | -31.9 | 27.6 |
| 926 | 0 | -2.35 | -49.4 | 20.9 | 1231 | 180 | -1.54 | -32.3 | 26.4 | 1309 | 180 | -1.66 | -34.8 | 28.2 |
| 927 | 45 | -3.21 | -67.5 | 25.4 | 1232 | 345 | -1.59 | -33.3 | 27.5 | 1311 | 180 | -1.62 | -34.1 | 30.4 |
| 928 | 345 | -2.45 | -51.4 | 41.7 | 1233 | 180 | -1.51 | -31.8 | 26.9 | 1313 | 180 | -1.58 | -33.1 | 28.5 |
| 929 | 345 | -2.62 | -55.0 | 10.8 | 1234 | 180 | -1.45 | -30.9 | 27.1 | 1911 | 180 | -1.46 | -30.6 | 29.1 |
| 930 | 315 | -2.92 | -64.2 | 14.5 | 1235 | 0 | -1.57 | -32.2 | 26.6 | 1913 | 195 | -1.54 | -32.3 | 28.6 |
| 931 | 300 | -4.02 | -84.4 | 15.5 | 1236 | 180 | -1.51 | -31.7 | 27.6 | 1914 | 180 | -1.52 | -31.8 | 28.7 |
| 932 | 240 | -2.16 | -45.4 | 22.9 | 1239 | 180 | -1.48 | -33.1 | 28.2 | 1915 | 345 | -1.56 | -32.8 | 26.4 |
| 933 | 240 | -2.16 | -45.4 | 16.5 | 1240 | 180 | -1.47 | -30.8 | 26.8 | 1916 | 195 | -1.45 | -30.5 | 26.6 |
| 934 | 165 | -2.58 | -53.7 | 16.5 | 1241 | 180 | -1.56 | -32.7 | 29.5 | 1917 | 195 | -1.60 | -33.7 | 27.7 |
| 935 | 165 | -2.87 | -60.3 | 18.6 | 1242 | 195 | -1.56 | -32.8 | 28.0 | 1918 | 180 | -1.56 | -32.7 | 26.3 |
| 936 | 30 | -2.48 | -52.0 | 23.3 | 1243 | 180 | -1.59 | -33.4 | 28.3 | 1921 | 180 | -1.53 | -32.2 | 28.6 |
| 937 | 0 | -2.10 | -44.2 | 34.8 | 1244 | 195 | -1.43 | -29.9 | 28.4 | 1923 | 180 | -1.56 | -32.8 | 28.3 |
| 938 | 180 | -2.18 | -45.8 | 8.9 | 1245 | 345 | -1.60 | -33.5 | 28.5 | 1924 | 180 | -1.65 | -34.6 | 27.8 |
| 939 | 285 | -2.87 | -60.0 | 9.7 | 1248 | 345 | -1.48 | -31.1 | 28.3 | 1925 | 180 | -1.51 | -31.7 | 27.8 |
| 940 | 240 | -3.86 | -81.0 | 13.2 | 1249 | 0 | -1.50 | -31.5 | 26.8 | 1926 | 0 | -1.49 | -31.4 | 27.8 |
| 941 | 240 | -2.46 | -51.7 | 15.9 | 1250 | 180 | -1.45 | -30.9 | 27.3 | 1927 | 195 | -1.53 | -32.1 | 27.2 |
| 942 | 240 | -3.10 | -65.0 | 10.8 | 1251 | 180 | -1.49 | -31.2 | 29.2 | 1928 | 195 | -1.48 | -31.0 | 29.4 |
| 943 | 255 | -3.46 | -72.7 | 20.1 | 1252 | 0 | -1.52 | -31.9 | 27.8 | 1930 | 195 | -1.52 | -31.9 | 29.5 |
| 944 | 15 | -3.25 | -68.8 | 14.8 | 1253 | 180 | -1.56 | -32.8 | 26.7 | 1932 | 195 | -1.54 | -32.4 | 26.6 |
| 945 | 195 | -2.82 | -59.3 | 23.4 | 1254 | 0 | -1.42 | -29.8 | 28.0 | 1933 | 180 | -1.46 | -30.8 | 27.7 |
| 946 | 165 | -2.03 | -49.2 | 25.3 | 1257 | 345 | -1.54 | -32.3 | 25.0 | 1934 | 195 | -1.44 | -30.1 | 29.4 |
| 1107 | 180 | -1.66 | -34.9 | 22.9 | 1258 | 180 | -1.47 | -30.9 | 27.3 | 1935 | 180 | -1.48 | -31.1 | 27.1 |
| 1108 | 180 | -1.59 | -33.4 | 28.0 | 1259 | 0 | -1.53 | -32.1 | 29.6 | 1936 | 195 | -1.55 | -32.7 | 27.9 |
| 1109 | 195 | -1.53 | -33.2 | 26.8 | 1260 | 345 | -1.47 | -30.9 | 27.3 | 1937 | 165 | -1.49 | -31.3 | 27.2 |
| 1110 | 180 | -1.67 | -33.5 | 26.6 | 1261 | 195 | -1.50 | -31.6 | 29.1 | 1939 | 195 | -1.54 | -32.4 | 25.9 |
| 1111 | 195 | -1.68 | -33.5 | 25.5 | 1262 | 345 | -1.56 | -32.7 | 27.9 | 1941 | 195 | -1.50 | -31.5 | 26.6 |
| 1116 | 195 | -2.04 | -44.8 | 1.1 | 1263 | 180 | -1.48 | -31.1 | 26.5 | 1942 | 0 | -1.46 | -30.7 | 27.7 |
| 1121 | 195 | -1.74 | -36.6 | 26.3 | 1266 | 345 | -1.73 | -36.6 | 28.1 | 1943 | 195 | -1.60 | -33.3 | 28.2 |
| 1126 | 195 | -1.88 | -39.5 | 26.1 | 1267 | 180 | -1.53 | -33.3 | 27.9 | 1944 | 180 | -1.69 | -35.5 | 27.0 |
| 1136 | 195 | -1.71 | -33.9 | 28.7 | 1268 | 15 | -1.46 | -30.6 | 25.6 | 1945 | 180 | -1.61 | -33.9 | 27.5 |
| 1221 | 270 | 1.50 | 33.1 | 27.0 | 1269 | 15 | -1.43 | -30.0 | 26.7 | 1946 | 180 | -1.47 | -30.8 | 27.0 |
| 1222 | 195 | -1.46 | -30.6 | 27.0 | | | | | | | | | | |

TABLE 6A. PEAK LOADS FOR CONFIGURATION C :
LARGEST VALUES OF CLADDING LOAD

SHUTTLE ASSEMBLY BUILDING-VANDENBERG
REFERENCE PRESSURE = 21.0 PSF

* * 15 GREATEST PRESSURE MAGNITUDES * *

| TAP | AZI- MUTH | PRESS COEFF | NEGATIVE PEAK ----- PSF | POSITIVE PEAK ----- |
|-----|--------------|----------------|----------------------------------|---------------------------|
| 910 | 330 | -4.28 | -90.0 | 11.8 |
| 917 | 345 | -4.25 | -89.2 | 16.2 |
| 931 | 300 | -4.02 | -84.5 | 15.5 |
| 901 | 300 | -3.93 | -82.6 | 9.8 |
| 940 | 240 | -3.86 | -81.0 | 13.2 |
| 918 | 345 | -3.75 | -78.8 | 20.8 |
| 906 | 30 | -3.67 | -77.1 | 16.0 |
| 916 | 30 | -3.66 | -77.0 | 16.6 |
| 915 | 15 | -3.65 | -76.7 | 13.2 |
| 921 | 300 | -3.61 | -75.9 | 13.3 |
| 217 | 315 | -3.61 | -75.9 | 15.3 |
| 911 | 300 | -3.61 | -75.7 | 14.3 |
| 907 | 345 | -3.58 | -75.1 | 14.5 |
| 136 | 225 | -3.53 | -74.0 | 26.9 |
| 908 | 0 | -3.49 | -73.3 | 12.6 |

TABLE 6A. PEAK LOADS FOR CONFIGURATION D :
LARGEST VALUES OF CLADDING LOAD

SHUTTLE ASSEMBLY BUILDING-VANDENBERG
REFERENCE PRESSURE = 21.0 PSF

| TAP | AZI- MUTH | PRESS COEFF | NEGATIVE PEAK ----- PSF | POSITIVE PEAK ----- PSF | TAP | AZI- MUTH | PRESS COEFF | NEGATIVE PEAK ----- PSF | POSITIVE PEAK ----- PSF | TAP | AZI- MUTH | PRESS COEFF | NEGATIVE PEAK ----- PSF | POSITIVE PEAK ----- PSF |
|-----|--------------|----------------|----------------------------------|----------------------------------|-----|--------------|----------------|----------------------------------|----------------------------------|-----|--------------|----------------|----------------------------------|----------------------------------|
| 101 | 345 | -2.69 | -54.4 | 22.0 | 210 | 270 | -2.74 | -57.5 | 27.6 | 258 | 270 | -2.68 | -56.3 | 25.4 |
| 102 | 165 | -3.03 | -64.1 | 19.8 | 211 | 270 | -2.63 | -55.3 | 26.9 | 259 | 270 | -2.57 | -54.0 | 24.4 |
| 103 | 0 | -2.62 | -35.1 | 21.4 | 212 | 285 | -3.67 | -73.0 | 24.6 | 260 | 270 | -2.10 | -44.1 | 23.8 |
| 104 | 180 | -2.85 | -45.9 | 18.0 | 213 | 45 | -3.49 | -73.3 | 16.8 | 261 | 270 | -1.80 | -37.9 | 26.5 |
| 105 | 180 | -2.63 | -45.3 | 15.7 | 214 | 270 | -2.65 | -55.6 | 14.3 | 262 | 75 | -2.16 | -45.3 | 26.6 |
| 106 | 345 | -2.03 | -43.0 | 22.6 | 215 | 270 | -2.41 | -50.6 | 16.4 | 263 | 270 | -1.93 | -40.3 | 33.2 |
| 107 | 345 | -2.47 | -51.1 | 22.9 | 216 | 90 | -3.03 | -63.6 | 10.5 | 264 | 270 | -2.36 | -49.5 | 25.1 |
| 108 | 345 | -2.38 | -50.0 | 22.9 | 217 | 90 | -3.13 | -65.8 | 16.2 | 265 | 270 | -2.07 | -43.4 | 27.1 |
| 109 | 0 | -2.02 | -42.5 | 30.0 | 218 | 270 | -2.33 | -55.6 | 26.1 | 266 | 255 | -3.03 | -64.0 | 23.4 |
| 110 | 180 | -1.82 | -38.2 | 28.0 | 219 | 105 | -2.35 | -49.4 | 23.9 | 267 | 270 | -2.11 | -44.4 | 28.1 |
| 111 | 0 | -2.09 | -44.0 | 30.0 | 220 | 255 | -2.09 | -43.9 | 26.9 | 268 | 270 | -2.43 | -51.0 | 32.0 |
| 112 | 345 | -2.29 | -48.0 | 22.0 | 221 | 255 | -3.22 | -68.8 | 20.2 | 269 | 270 | -2.46 | -51.7 | 27.9 |
| 113 | 0 | -2.15 | -45.2 | 33.0 | 222 | 255 | -1.15 | -45.1 | 28.0 | 270 | 75 | -1.75 | -36.7 | 28.0 |
| 114 | 0 | -2.01 | -42.2 | 33.2 | 223 | 270 | -1.11 | -39.8 | 24.5 | 271 | 75 | -1.81 | -36.6 | 30.0 |
| 115 | 0 | -2.56 | -53.7 | 28.8 | 224 | 270 | -1.11 | -40.8 | 26.9 | 272 | 270 | -1.91 | -40.1 | 27.7 |
| 116 | 210 | -1.91 | -44.0 | 22.9 | 225 | 75 | -1.11 | -34.0 | 26.9 | 273 | 270 | -1.84 | -38.7 | 26.7 |
| 117 | 345 | -1.91 | -44.1 | 22.9 | 226 | 90 | -1.11 | -33.7 | 26.7 | 301 | 90 | -2.11 | -44.3 | 31.0 |
| 118 | 345 | -2.22 | -46.6 | 22.4 | 227 | 105 | -2.42 | -50.8 | 26.3 | 302 | 90 | -2.46 | -51.1 | 26.6 |
| 119 | 195 | -2.44 | -51.1 | 28.8 | 228 | 105 | -2.23 | -46.8 | 26.7 | 303 | 90 | -1.87 | -39.9 | 27.7 |
| 120 | 180 | -2.10 | -44.4 | 22.6 | 229 | 75 | -2.09 | -43.8 | 28.5 | 304 | 90 | -1.03 | -33.7 | 32.1 |
| 121 | 345 | -1.97 | -44.1 | 22.6 | 230 | 255 | -1.67 | -35.1 | 28.7 | 305 | 90 | -1.87 | -43.9 | 33.7 |
| 122 | 180 | -2.13 | -45.1 | 26.6 | 231 | 255 | -2.43 | -51.0 | 29.4 | 306 | 90 | -3.10 | -65.5 | 30.0 |
| 123 | 180 | -1.92 | -40.3 | 27.4 | 232 | 270 | -1.96 | -41.2 | 27.8 | 307 | 90 | -1.87 | -39.9 | 29.5 |
| 124 | 345 | -1.90 | -40.0 | 27.2 | 233 | 270 | -1.80 | -37.8 | 31.8 | 308 | 90 | -2.98 | -62.7 | 28.8 |
| 125 | 180 | -2.53 | -53.2 | 23.6 | 234 | 270 | -1.61 | -33.8 | 29.6 | 309 | 105 | -1.98 | -41.6 | 26.1 |
| 126 | 345 | -2.48 | -52.2 | 25.8 | 235 | 90 | -1.61 | -33.7 | 27.7 | 310 | 90 | -2.48 | -52.2 | 26.6 |
| 127 | 345 | -2.30 | -48.8 | 22.6 | 236 | 90 | -1.76 | -36.9 | 31.6 | 311 | 90 | -1.82 | -38.2 | 26.9 |
| 128 | 180 | -2.00 | -42.0 | 27.2 | 237 | 105 | -2.47 | -51.8 | 27.8 | 312 | 90 | -3.14 | -65.5 | 30.3 |
| 129 | 180 | -2.28 | -47.7 | 25.0 | 238 | 255 | -2.13 | -44.7 | 26.6 | 313 | 90 | -1.60 | -33.3 | 31.5 |
| 130 | 180 | -2.62 | -53.0 | 22.6 | 239 | 255 | -1.92 | -40.3 | 26.7 | 314 | 105 | -2.25 | -47.2 | 27.2 |
| 131 | 345 | -2.43 | -51.4 | 23.2 | 240 | 270 | -1.93 | -41.0 | 30.7 | 401 | 0 | -2.33 | -48.8 | 29.0 |
| 132 | 345 | -2.16 | -45.5 | 25.0 | 241 | 270 | -2.26 | -47.4 | 25.1 | 402 | 180 | -2.10 | -44.0 | 32.4 |
| 133 | 180 | -2.28 | -47.9 | 25.5 | 242 | 270 | -2.19 | -46.1 | 27.2 | 403 | 300 | -2.08 | -43.6 | 24.9 |
| 134 | 180 | -2.32 | -48.8 | 25.5 | 243 | 270 | -1.77 | -37.2 | 28.3 | 404 | 315 | -2.06 | -43.3 | 32.7 |
| 135 | 165 | -2.70 | -56.6 | 22.2 | 244 | 90 | -1.66 | -34.8 | 28.4 | 405 | 195 | -2.30 | -48.3 | 18.3 |
| 136 | 345 | -2.15 | -45.3 | 25.0 | 245 | 90 | -1.63 | -34.4 | 30.0 | 501 | 0 | -2.20 | -46.6 | 26.2 |
| 137 | 345 | -2.33 | -48.8 | 28.3 | 246 | 105 | -2.15 | -45.2 | 26.5 | 502 | 180 | -2.48 | -52.0 | 30.0 |
| 138 | 0 | -2.94 | -61.7 | 30.5 | 247 | 255 | -1.98 | -41.5 | 23.2 | 503 | 0 | -3.21 | -67.3 | 33.2 |
| 139 | 180 | -2.53 | -53.3 | 29.9 | 248 | 255 | -2.03 | -42.7 | 28.2 | 504 | 345 | -2.85 | -59.9 | 31.2 |
| 201 | 255 | -2.63 | -53.3 | 22.0 | 249 | 270 | -2.28 | -47.8 | 28.1 | 505 | 0 | -3.82 | -78.2 | 28.1 |
| 202 | 285 | -3.33 | -73.3 | 17.7 | 250 | 270 | -2.61 | -54.8 | 24.4 | 506 | 345 | -1.94 | -40.0 | 29.9 |
| 203 | 285 | -2.82 | -61.3 | 18.4 | 251 | 270 | -2.92 | -64.3 | 25.8 | 507 | 345 | -2.12 | -44.0 | 31.7 |
| 204 | 270 | -2.64 | -55.5 | 34.6 | 252 | 270 | -2.68 | -57.2 | 28.9 | 508 | 345 | -3.20 | -67.2 | 35.0 |
| 205 | 255 | -1.99 | -44.1 | 29.9 | 253 | 75 | -1.80 | -37.9 | 27.7 | 509 | 0 | -3.56 | -74.7 | 29.7 |
| 206 | 120 | -2.31 | -48.1 | 29.9 | 254 | 105 | -1.84 | -38.8 | 27.5 | 901 | 300 | -3.96 | -83.2 | 10.8 |
| 207 | 255 | -2.92 | -61.4 | 27.7 | 255 | 105 | -2.62 | -55.3 | 27.8 | 902 | 0 | -3.10 | -65.5 | 15.1 |
| 208 | 120 | -2.42 | -50.7 | 23.2 | 256 | 255 | -1.59 | -33.3 | 22.9 | 903 | 345 | -2.72 | -57.7 | 23.3 |
| 209 | 165 | -3.58 | -74.5 | 21.6 | 257 | 270 | -1.84 | -38.6 | 23.0 | 904 | 285 | -3.09 | -64.8 | 12.5 |

TABLE 6A. PEAK LOADS FOR CONFIGURATION D :
LARGEST VALUES OF CLADDING LOAD

SHUTTLE ASSEMBLY BUILDING-VANDENBERG
REFERENCE PRESSURE = 21.0 PSF

| TAP | AZI- MUTH | PRESS COEFF | NEGATIVE PEAK ----- PSF | POSITIVE PEAK ----- | TAP | AZI- MUTH | PRESS COEFF | NEGATIVE PEAK ----- PSF | POSITIVE PEAK ----- | TAP | AZI- MUTH | PRESS COEFF | NEGATIVE PEAK ----- PSF | POSITIVE PEAK ----- |
|-----|--------------|----------------|----------------------------------|---------------------------|-----|--------------|----------------|----------------------------------|---------------------------|-----|--------------|----------------|----------------------------------|---------------------------|
| 903 | 285 | -2.63 | -55.3 | 11.7 | 919 | 60 | -1.99 | -41.9 | 26.5 | 933 | 165 | -2.26 | -47.5 | 14.4 |
| 906 | 15 | -4.66 | -97.8 | 18.1 | 920 | 315 | -3.37 | -70.7 | 13.9 | 934 | 150 | -2.34 | -49.1 | 14.7 |
| 907 | 0 | -4.40 | -92.4 | 17.6 | 921 | 315 | -3.44 | -72.3 | 12.5 | 935 | 180 | -3.79 | -79.6 | 19.8 |
| 908 | 300 | -3.31 | -69.5 | 12.2 | 922 | 285 | -2.73 | -57.4 | 15.9 | 936 | 165 | -2.99 | -62.8 | 28.1 |
| 909 | 345 | -3.60 | -75.7 | 21.5 | 923 | 285 | -2.12 | -44.4 | 28.1 | 937 | 0 | -2.25 | -47.3 | 35.2 |
| 910 | 315 | -4.36 | -91.6 | 10.3 | 924 | 270 | -2.57 | -53.9 | 17.7 | 938 | 0 | -2.38 | -50.0 | 9.3 |
| 911 | 300 | -4.06 | -85.3 | 15.2 | 925 | 165 | -2.82 | -59.3 | 21.1 | 939 | 225 | -3.14 | -65.9 | 11.4 |
| 912 | 0 | -2.82 | -59.2 | 14.7 | 926 | 0 | -3.06 | -64.4 | 19.5 | 940 | 315 | -4.36 | -91.6 | 12.1 |
| 913 | 285 | -2.31 | -48.5 | 24.9 | 927 | 0 | -2.80 | -58.8 | 24.9 | 941 | 15 | -2.38 | -50.0 | 14.8 |
| 914 | 285 | -3.33 | -70.0 | 13.3 | 928 | 0 | -2.64 | -55.4 | 44.7 | 942 | 300 | -2.87 | -60.3 | 15.3 |
| 915 | 165 | -2.61 | -54.8 | 15.4 | 929 | 0 | -2.57 | -54.0 | 8.8 | 943 | 285 | -3.95 | -82.9 | 12.0 |
| 916 | 0 | -3.99 | -83.7 | 14.6 | 930 | 315 | -2.92 | -61.4 | 17.2 | 944 | 150 | -3.72 | -78.1 | 18.8 |
| 917 | 15 | -4.57 | -96.0 | 21.5 | 931 | 300 | -3.75 | -78.7 | 16.7 | 945 | 165 | -2.70 | -56.6 | 21.7 |
| 918 | 345 | -3.97 | -83.5 | 17.6 | 932 | 345 | -2.18 | -45.7 | 20.7 | 946 | 180 | -2.02 | -42.5 | 26.4 |

TABLE 6A. PEAK LOADS FOR CONFIGURATION D :
LARGEST VALUES OF CLADDING LOAD

SHUTTLE ASSEMBLY BUILDING-VANDENBERG
REFERENCE PRESSURE = 21.0 PSF

* * 15 GREATEST PRESSURE MAGNITUDES * *

| TAP | AZI- MUTH | PRESS COEFF | NEGATIVE PEAK ----- PSF | POSITIVE PEAK ----- |
|-----|--------------|----------------|----------------------------------|---------------------------|
| 906 | 15 | -4.66 | -97.8 | 18.1 |
| 917 | 15 | -4.57 | -96.0 | 21.5 |
| 907 | 0 | -4.40 | -92.4 | 17.6 |
| 940 | 315 | -4.36 | -91.6 | 12.1 |
| 910 | 315 | -4.36 | -91.6 | 10.3 |
| 911 | 300 | -4.06 | -85.3 | 15.2 |
| 916 | 0 | -3.99 | -83.7 | 14.6 |
| 918 | 345 | -3.97 | -83.5 | 17.6 |
| 901 | 300 | -3.96 | -83.2 | 10.8 |
| 943 | 285 | -3.95 | -82.9 | 12.0 |
| 935 | 180 | -3.79 | -79.6 | 19.8 |
| 931 | 300 | -3.75 | -78.7 | 16.7 |
| 944 | 150 | -3.72 | -78.1 | 18.8 |
| 909 | 345 | -3.60 | -75.7 | 21.5 |
| 509 | 0 | -3.56 | -74.7 | 29.7 |

TABLE 6A. PEAK LOADS FOR CONFIGURATION E :
LARGEST VALUES OF CLADDING LOAD

SHUTTLE ASSEMBLY BUILDING-VANDENBERG
REFERENCE PRESSURE = 21.0 PSF

| TAP | AZI- RUTH | PRESS COEFF | NEGATIVE POSITIVE | | TAP | AZI- RUTH | PRESS COEFF | NEGATIVE POSITIVE | | TAP | AZI- RUTH | PRESS COEFF | NEGATIVE POSITIVE | |
|-----|--------------|----------------|-------------------|------|-----|--------------|----------------|-------------------|------|-----|--------------|----------------|-------------------|-----|
| | | | PEAK | PSF | | | | PEAK | PSF | | | | PEAK | PSF |
| 101 | 0 | -2.44 | -51.2 | -6.7 | 210 | 0 | -1.13 | -23.8 | .3 | 238 | 0 | -1.16 | -22.4 | 3.7 |
| 102 | 0 | -2.27 | -47.8 | -7.7 | 211 | 0 | -1.24 | -26.0 | .1 | 239 | 0 | -1.08 | -22.2 | 2.6 |
| 103 | 0 | -2.92 | -61.2 | -8.0 | 212 | 0 | -.96 | -20.2 | -1.3 | 240 | 0 | -1.11 | -23.3 | 1.8 |
| 104 | 0 | -2.37 | -49.7 | -4.1 | 213 | 0 | -1.08 | -22.7 | .0 | 241 | 0 | -.92 | -19.9 | 1.1 |
| 105 | 0 | -2.76 | -58.1 | -1.5 | 214 | 0 | -1.83 | -38.5 | -1.1 | 242 | 0 | -1.02 | -21.1 | 4.4 |
| 106 | 0 | -1.94 | -40.7 | -.9 | 215 | 0 | -1.30 | -27.3 | .4 | 243 | 0 | -.97 | -20.3 | 2.2 |
| 107 | 0 | -1.96 | -41.2 | -.5 | 216 | 0 | -1.10 | -22.4 | .0 | 244 | 0 | -.88 | -19.8 | 1.4 |
| 108 | 0 | -2.14 | -44.9 | -.8 | 217 | 0 | -1.06 | -22.2 | -1.2 | 245 | 0 | -1.26 | -23.6 | 2.2 |
| 109 | 0 | -2.09 | -44.0 | -.1 | 218 | 0 | -1.18 | -23.8 | -.9 | 246 | 0 | -1.09 | -22.2 | 1.1 |
| 110 | 0 | -1.85 | -38.9 | -.7 | 219 | 0 | -1.12 | -23.5 | -.9 | 247 | 0 | -1.02 | -21.1 | 5.5 |
| 111 | 0 | -2.02 | -42.5 | -.0 | 220 | 0 | -1.08 | -22.6 | -.2 | 248 | 0 | -1.14 | -22.4 | 0.0 |
| 112 | 0 | -2.06 | -44.3 | -.3 | 221 | 0 | -1.09 | -22.2 | -.9 | 249 | 0 | -1.01 | -21.1 | 4.4 |
| 113 | 0 | -2.21 | -46.3 | -.8 | 222 | 0 | -1.03 | -21.6 | -.1 | 250 | 0 | -1.03 | -22.6 | 0.0 |
| 114 | 0 | -1.95 | -41.0 | -.1 | 223 | 0 | -.96 | -20.2 | -.8 | 251 | 0 | -.86 | -19.8 | 4.4 |
| 115 | 0 | -1.52 | -33.9 | -.9 | 224 | 0 | -.97 | -20.1 | -.1 | 252 | 0 | -.97 | -20.3 | 3.3 |
| 116 | 0 | -1.86 | -40.0 | -.1 | 225 | 0 | -1.01 | -21.2 | -.1 | 253 | 0 | -1.02 | -22.4 | 4.4 |
| 117 | 0 | -1.73 | -37.3 | -.1 | 226 | 0 | -1.03 | -21.7 | -.3 | 254 | 0 | -1.11 | -22.2 | 2.2 |
| 118 | 0 | -2.76 | -53.7 | -.6 | 227 | 0 | -1.04 | -21.1 | -.3 | 255 | 0 | -1.03 | -21.1 | 7.7 |
| 119 | 0 | -2.12 | -44.4 | -.2 | 228 | 0 | -1.09 | -22.1 | -.9 | 256 | 0 | -1.32 | -23.7 | 1.1 |
| 120 | 0 | -1.60 | -33.6 | -.4 | 229 | 0 | -1.50 | -31.6 | -.9 | 257 | 0 | -1.13 | -21.1 | 7.7 |
| 121 | 0 | -1.62 | -33.9 | -.9 | 230 | 0 | -1.23 | -25.9 | -.7 | 258 | 0 | -1.41 | -22.4 | 7.7 |
| 122 | 0 | -1.52 | -33.8 | -.1 | 231 | 0 | -1.03 | -21.6 | -.9 | 259 | 0 | -1.10 | -21.1 | 5.5 |
| 123 | 0 | -1.83 | -43.4 | -.9 | 232 | 0 | -1.05 | -22.1 | -.1 | 260 | 0 | -1.20 | -23.3 | 2.2 |
| 124 | 0 | -2.03 | -42.6 | -.0 | 233 | 0 | -.99 | -20.8 | -.1 | 261 | 0 | -1.02 | -21.1 | 5.5 |
| 125 | 0 | -2.18 | -45.7 | -.6 | 234 | 0 | -.98 | -20.5 | -.1 | 262 | 0 | -1.10 | -21.1 | 3.3 |
| 126 | 0 | -1.93 | -40.6 | -.4 | 235 | 0 | -1.03 | -21.2 | -.2 | 263 | 0 | -1.09 | -21.1 | 8.8 |
| 127 | 0 | -1.88 | -40.8 | -.4 | 236 | 0 | -.98 | -20.3 | -.1 | 264 | 0 | -1.10 | -21.1 | 7.7 |
| 128 | 0 | -2.44 | -51.2 | -.8 | 237 | 0 | -.93 | -19.3 | -.3 | 265 | 0 | -1.11 | -21.1 | 4.4 |
| 129 | 0 | -1.81 | -38.0 | -.4 | 238 | 0 | -1.59 | -33.3 | -.3 | 266 | 0 | -1.09 | -21.1 | 9.9 |
| 130 | 0 | -1.64 | -34.1 | -.4 | 239 | 0 | -1.28 | -26.9 | -.3 | 267 | 0 | -1.15 | -22.2 | 1.1 |
| 131 | 0 | -1.89 | -39.7 | -.5 | 240 | 0 | -1.16 | -24.3 | -.0 | 268 | 0 | -1.22 | -23.6 | 0.0 |
| 132 | 0 | -1.92 | -43.4 | -.4 | 241 | 0 | -1.13 | -24.1 | -.1 | 269 | 0 | -1.64 | -34.6 | 4.4 |
| 133 | 0 | -2.20 | -46.3 | -.8 | 242 | 0 | -.97 | -20.4 | -.3 | 270 | 0 | -1.98 | -44.4 | 9.9 |
| 134 | 0 | -2.81 | -59.1 | -.6 | 243 | 0 | -1.02 | -21.4 | -.0 | 271 | 0 | -1.84 | -38.1 | 5.5 |
| 135 | 0 | -2.29 | -48.1 | -.1 | 244 | 0 | -1.04 | -21.1 | -.0 | 272 | 0 | -1.49 | -33.8 | 1.1 |
| 136 | 0 | -1.86 | -39.2 | -.1 | 245 | 0 | -1.03 | -21.6 | -.3 | 273 | 0 | -2.06 | -43.4 | 2.2 |
| 137 | 0 | -3.17 | -45.5 | -.3 | 246 | 0 | -1.06 | -22.3 | -.4 | 274 | 0 | -1.97 | -40.3 | 3.3 |
| 138 | 0 | -2.04 | -42.7 | -.1 | 247 | 0 | -1.50 | -31.1 | -.2 | 275 | 0 | -1.23 | -26.6 | 8.8 |
| 139 | 0 | -1.87 | -39.2 | -.2 | 248 | 0 | -1.29 | -27.0 | -.0 | 276 | 0 | -1.68 | -37.7 | 6.6 |
| 200 | 0 | -1.28 | -26.2 | -.2 | 249 | 0 | -1.13 | -23.7 | -.7 | 277 | 0 | -1.65 | -34.4 | 3.3 |
| 201 | 0 | -1.17 | -24.6 | -.6 | 250 | 0 | -1.05 | -22.0 | -.0 | 278 | 0 | -1.89 | -40.3 | 0.0 |
| 202 | 0 | -1.41 | -29.7 | -.2 | 251 | 0 | -.97 | -20.4 | -.4 | 279 | 0 | -1.81 | -38.9 | 0.0 |
| 203 | 0 | -1.33 | -29.0 | -.8 | 252 | 0 | -1.01 | -21.1 | -.1 | 280 | 0 | -2.55 | -44.4 | 4.4 |
| 204 | 0 | -1.17 | -24.5 | -.0 | 253 | 0 | -.98 | -20.6 | -.6 | 281 | 0 | -2.42 | -40.3 | 4.4 |
| 205 | 0 | -1.31 | -27.5 | -.3 | 254 | 0 | -1.00 | -20.9 | -.9 | 282 | 0 | -2.43 | -40.3 | 4.4 |
| 206 | 0 | -1.22 | -25.7 | -.5 | 255 | 0 | -1.41 | -29.7 | -.2 | 283 | 0 | -2.82 | -44.4 | 6.6 |
| 207 | 0 | -1.20 | -25.3 | -.3 | 256 | 0 | -1.39 | -29.3 | -.3 | 284 | 0 | -2.75 | -44.4 | 4.4 |
| 208 | 0 | -1.38 | -28.4 | -.2 | 257 | 0 | -1.03 | -21.7 | -.7 | 285 | 0 | -1.84 | -38.9 | 4.4 |

TABLE 6A. PEAK LOADS FOR CONFIGURATION E :
LARGEST VALUES OF CLADDING LOAD

SHUTTLE ASSEMBLY BUILDING-YARDENBERG
REFERENCE PRESSURE = 21.0 PSF

| TAP | AZI- NUTH | PRESS COEFF | NEGATIVE PEAK | POSITIVE PEAK | TAP | AZI- NUTH | PRESS COEFF | NEGATIVE PEAK | POSITIVE PEAK | TAP | AZI- NUTH | PRESS COEFF | NEGATIVE PEAK | POSITIVE PEAK |
|------|--------------|----------------|------------------|------------------|------|--------------|----------------|------------------|------------------|------|--------------|----------------|------------------|------------------|
| | | | PSF | PSF | | | | PSF | PSF | | | | PSF | PSF |
| 905 | 0 | -2.46 | -51.6 | -11.1 | 1108 | 0 | -.56 | -11.7 | 8.1 | 1263 | 0 | .41 | -7.3 | 8.7 |
| 906 | 0 | -4.36 | -91.1 | -31.5 | 1109 | 0 | -.48 | -10.0 | 8.8 | 1266 | 0 | .44 | -7.7 | 9.3 |
| 907 | 0 | -3.97 | -83.3 | -15.1 | 1110 | 0 | -.50 | -10.3 | 8.6 | 1267 | 0 | .39 | -8.1 | 5.5 |
| 908 | 0 | -2.20 | -46.3 | 1.2 | 1111 | 0 | -.54 | -11.3 | 10.4 | 1268 | 0 | .41 | -8.6 | 4.4 |
| 909 | 0 | -1.14 | -23.3 | 18.4 | 1116 | 0 | -.45 | -9.4 | 7.4 | 1269 | 0 | .46 | -9.3 | 6.6 |
| 910 | 0 | -2.26 | -44.4 | -4.4 | 1121 | 0 | -.49 | -10.4 | 8.7 | 1270 | 0 | .40 | -8.4 | 7.2 |
| 911 | 0 | -2.04 | -44.8 | -11.7 | 1126 | 0 | -.48 | -10.2 | 8.2 | 1271 | 0 | .39 | -7.7 | 8.8 |
| 912 | 0 | -2.39 | -53.1 | -10.7 | 1136 | 0 | -.51 | -9.8 | 10.6 | 1272 | 0 | .57 | -6.9 | 8.8 |
| 913 | 0 | -1.82 | -38.2 | -4.0 | 1221 | 0 | -.40 | -8.3 | 7.7 | 1303 | 0 | .44 | -9.3 | 5.0 |
| 914 | 0 | -1.95 | -41.1 | -6.9 | 1222 | 0 | -.43 | -8.7 | 9.1 | 1222 | 0 | .57 | -11.9 | 5.5 |
| 915 | 0 | -2.74 | -57.7 | -7.9 | 1223 | 0 | -.44 | -7.7 | 9.2 | 1305 | 0 | .46 | -12.1 | 7.7 |
| 916 | 0 | -3.89 | -81.1 | -10.7 | 1224 | 0 | -.47 | -9.8 | 6.4 | 1309 | 0 | .61 | -12.9 | 8.8 |
| 917 | 0 | -4.31 | -90.5 | -6.6 | 1225 | 0 | -.47 | -9.9 | 6.4 | 1311 | 0 | .47 | -12.2 | 3.3 |
| 918 | 0 | -3.10 | -65.5 | -2.2 | 1226 | 0 | -.49 | -10.3 | 6.9 | 1313 | 0 | .49 | -10.4 | 7.7 |
| 919 | 0 | -1.06 | -17.7 | 2.2 | 1227 | 0 | -.43 | -9.1 | 8.8 | 1911 | 0 | .51 | -10.6 | 1.7 |
| 920 | 0 | -2.29 | -48.8 | -2.2 | 1230 | 0 | -.41 | -7.7 | 8.8 | 1913 | 0 | .49 | -11.0 | 8.8 |
| 921 | 0 | -2.33 | -48.8 | -2.2 | 1231 | 0 | -.48 | -10.0 | 8.8 | 1914 | 0 | .55 | -12.2 | 6.6 |
| 922 | 0 | -2.43 | -51.1 | -4.4 | 1232 | 0 | -.44 | -9.9 | 9.0 | 1915 | 0 | .57 | -12.2 | 4.4 |
| 923 | 0 | -1.87 | -39.9 | -3.3 | 1233 | 0 | -.42 | -8.8 | 8.6 | 1916 | 0 | .49 | -10.2 | 2.2 |
| 924 | 0 | -1.93 | -40.9 | -3.3 | 1234 | 0 | -.40 | -8.8 | 9.4 | 1917 | 0 | .45 | -9.9 | 4.4 |
| 925 | 0 | -2.63 | -55.3 | -10.7 | 1235 | 0 | -.45 | -9.5 | 7.7 | 1918 | 0 | .53 | -11.1 | 4.4 |
| 926 | 0 | -2.61 | -55.4 | -11.4 | 1236 | 0 | -.42 | -8.8 | 7.2 | 1921 | 0 | .46 | -12.6 | 0.0 |
| 927 | 0 | -2.62 | -55.9 | -11.4 | 1239 | 0 | -.44 | -9.1 | 8.8 | 1923 | 0 | .57 | -12.1 | 9.9 |
| 928 | 0 | -2.83 | -59.5 | -2.3 | 1240 | 0 | -.41 | -8.4 | 8.6 | 1924 | 0 | .55 | -11.6 | 7.7 |
| 929 | 0 | -2.37 | -49.8 | -1.1 | 1241 | 0 | -.40 | -8.8 | 8.0 | 1925 | 0 | .55 | -11.1 | 8.8 |
| 930 | 0 | -2.18 | -45.3 | -3.3 | 1242 | 0 | -.49 | -10.3 | 7.7 | 1926 | 0 | .51 | -10.0 | 6.6 |
| 931 | 0 | -2.48 | -52.1 | -7.7 | 1243 | 0 | -.41 | -8.5 | 6.6 | 1927 | 0 | .49 | -10.3 | 7.4 |
| 932 | 0 | -1.77 | -37.1 | -7.7 | 1244 | 0 | -.38 | -8.0 | 7.7 | 1928 | 0 | .48 | -10.1 | 1.1 |
| 933 | 0 | -2.01 | -42.2 | -5.8 | 1245 | 0 | -.44 | -9.1 | 6.6 | 1930 | 0 | .59 | -12.4 | 0.0 |
| 934 | 0 | -1.96 | -41.1 | -2.2 | 1248 | 0 | -.43 | -9.3 | 6.6 | 1932 | 0 | .51 | -10.8 | 1.1 |
| 935 | 0 | -1.93 | -40.9 | -6.6 | 1249 | 0 | -.42 | -8.9 | 7.4 | 1933 | 0 | .48 | -10.0 | 7.9 |
| 936 | 0 | -3.28 | -68.9 | -9.9 | 1250 | 0 | -.48 | -10.0 | 9.9 | 1934 | 0 | .43 | -9.9 | 8.7 |
| 937 | 0 | -2.03 | -42.2 | -2.2 | 1251 | 0 | -.50 | -10.6 | 8.8 | 1935 | 0 | .45 | -10.8 | 4.4 |
| 938 | 0 | -2.53 | -53.2 | -4.4 | 1252 | 0 | -.53 | -11.1 | 9.9 | 1936 | 0 | .52 | -10.8 | 0.0 |
| 939 | 0 | -1.90 | -40.0 | -4.4 | 1253 | 0 | -.44 | -9.9 | 7.7 | 1937 | 0 | .45 | -9.9 | 4.4 |
| 940 | 0 | -2.65 | -55.6 | -2.2 | 1254 | 0 | -.44 | -9.9 | 7.7 | 1939 | 0 | .48 | -10.1 | 4.4 |
| 941 | 0 | -1.74 | -36.5 | -1.1 | 1257 | 0 | -.39 | -7.7 | 6.6 | 1941 | 0 | .53 | -10.0 | 1.1 |
| 942 | 0 | -1.64 | -34.4 | -4.4 | 1258 | 0 | -.44 | -9.8 | 8.8 | 1942 | 0 | .50 | -10.6 | 8.8 |
| 943 | 0 | -1.99 | -44.8 | -6.6 | 1259 | 0 | -.49 | -10.3 | 9.9 | 1943 | 0 | .43 | -9.9 | 7.7 |
| 944 | 0 | -2.72 | -57.7 | -7.7 | 1260 | 0 | -.48 | -10.0 | 8.8 | 1944 | 0 | .51 | -10.1 | 0.0 |
| 945 | 0 | -2.46 | -51.1 | -6.6 | 1261 | 0 | -.46 | -9.7 | 8.8 | 1945 | 0 | .44 | -9.9 | 7.7 |
| 946 | 0 | -1.70 | -35.8 | -1.4 | 1262 | 0 | -.50 | -10.6 | 7.5 | 1946 | 0 | .47 | -9.9 | 6.6 |
| 1107 | 0 | -1.50 | -10.0 | 8.7 | | | | | | | | | | 8.2 |

TABLE 6A. PEAK LOADS FOR CONFIGURATION E :
LARGEST VALUES OF CLADDING LOAD

SHUTTLE ASSEMBLY BUILDING-VANDENBERG
REFERENCE PRESSURE = 21.0 PSF

* * 15 GREATEST PRESSURE MAGNITUDES * *

| TAP | AZI- MUTH | PRESS COEFF | NEGATIVE PEAK ----- PSF | POSITIVE PEAK ----- |
|-----|--------------|----------------|----------------------------------|---------------------------|
| 906 | 0 | -4.36 | -91.6 | -11.5 |
| 917 | 0 | -4.31 | -90.5 | -14.6 |
| 907 | 0 | -3.97 | -83.3 | -15.1 |
| 916 | 0 | -3.89 | -81.7 | -10.7 |
| 504 | 0 | -3.68 | -77.3 | -2.8 |
| 936 | 0 | -3.28 | -68.9 | -.9 |
| 918 | 0 | -3.10 | -65.1 | 2.7 |
| 103 | 0 | -2.92 | -61.2 | -8.7 |
| 928 | 0 | -2.83 | -59.5 | -2.3 |
| 902 | 0 | -2.82 | -59.2 | -11.6 |
| 134 | 0 | -2.81 | -59.1 | -2.6 |
| 105 | 0 | -2.76 | -58.1 | -1.5 |
| 903 | 0 | -2.75 | -57.8 | -1.4 |
| 915 | 0 | -2.74 | -57.5 | -7.9 |
| 944 | 0 | -2.72 | -57.0 | .7 |

TABLE 6A. PEAK LOADS FOR CONFIGURATION F :
LARGEST VALUES OF CLADDING LOAD

SHUTTLE ASSEMBLY BUILDING-VANDENBERG
REFERENCE PRESSURE = 21.0 PSF

| TAP | AZI- MUTH | PRESS COEFF | NEGATIVE PEAK | POSITIVE PEAK | TAP | AZI- MUTH | PRESS COEFF | NEGATIVE PEAK | POSITIVE PEAK | TAP | AZI- MUTH | PRESS COEFF | NEGATIVE PEAK | POSITIVE PEAK |
|------|--------------|----------------|------------------|------------------|-----|--------------|----------------|------------------|------------------|-----|--------------|----------------|------------------|------------------|
| | | | PSF | PSF | | | | PSF | PSF | | | | PSF | PSF |
| 101 | 270 | -.91 | -19.2 | 14.4 | 210 | 270 | -1.67 | -35.0 | -6.4 | 258 | 270 | -2.99 | -62.7 | -1.4 |
| 102 | 270 | -.84 | -19.2 | 17.7 | 211 | 270 | -1.89 | -39.6 | -7.0 | 259 | 270 | -2.43 | -51.1 | -1.8 |
| 103 | 270 | -.86 | -11.0 | 18.0 | 212 | 270 | -2.27 | -47.7 | -6.6 | 260 | 270 | -1.78 | -37.4 | -1.4 |
| 104 | 270 | -.86 | -9.3 | 18.0 | 213 | 270 | -1.93 | -40.4 | -8.8 | 261 | 270 | -2.43 | -51.1 | 6.9 |
| 105 | 270 | -.64 | -10.7 | 13.3 | 214 | 270 | -1.86 | -39.0 | -9.9 | 262 | 270 | -1.42 | -29.9 | 9.1 |
| 106 | 270 | -.63 | -12.6 | 13.2 | 215 | 270 | -2.63 | -55.1 | 6.1 | 263 | 270 | -2.04 | -42.8 | 7.9 |
| 107 | 270 | 1.09 | -5.9 | 22.9 | 216 | 270 | -2.63 | -55.2 | 5.3 | 264 | 270 | -2.08 | -43.8 | 11.7 |
| 108 | 270 | 1.26 | -5.6 | 26.4 | 217 | 270 | -2.93 | -61.5 | 7.7 | 265 | 270 | -1.88 | -39.3 | 5.3 |
| 109 | 270 | 1.33 | -1.2 | 27.9 | 218 | 270 | -2.27 | -47.7 | 7.3 | 266 | 270 | -1.61 | -33.9 | -1.8 |
| 110 | 270 | 1.41 | -2.1 | 29.5 | 219 | 270 | -1.53 | -32.2 | 2.9 | 267 | 270 | -2.38 | -49.9 | 10.0 |
| 111 | 270 | 1.45 | -3.3 | 30.5 | 220 | 270 | -1.62 | -33.7 | -7.0 | 268 | 270 | -2.52 | -53.0 | 3.3 |
| 112 | 270 | 1.26 | -1.1 | 30.5 | 221 | 270 | -1.53 | -32.2 | -6.7 | 269 | 270 | -2.05 | -43.1 | 6.4 |
| 113 | 270 | 1.28 | 2.8 | 26.8 | 222 | 270 | -2.17 | -45.5 | -7.7 | 270 | 270 | -1.86 | -39.9 | 3.3 |
| 114 | 270 | 1.33 | 2.6 | 27.9 | 223 | 270 | -1.78 | -37.4 | -4.3 | 271 | 270 | -1.51 | -31.7 | 8.9 |
| 115 | 270 | -1.26 | -2.6 | 10.8 | 224 | 270 | -1.87 | -39.4 | 6.6 | 272 | 270 | -2.25 | -47.2 | 6.6 |
| 116 | 270 | 1.08 | -6.6 | 22.7 | 225 | 270 | -1.98 | -41.2 | 4.3 | 273 | 270 | -1.67 | -35.0 | 8.0 |
| 117 | 270 | 1.32 | -1.1 | 22.7 | 226 | 270 | -1.92 | -40.1 | 4.4 | 301 | 270 | -1.15 | -24.2 | 3.3 |
| 118 | 270 | 1.38 | 3.3 | 29.0 | 227 | 270 | -1.18 | -24.8 | 5.9 | 302 | 270 | -1.49 | -31.1 | 2.2 |
| 119 | 270 | 1.56 | 3.3 | 31.1 | 228 | 270 | -1.34 | -28.1 | 4.1 | 303 | 270 | -1.44 | -30.2 | 2.2 |
| 120 | 270 | -.68 | -14.4 | 10.9 | 229 | 270 | -1.85 | -37.4 | 5.3 | 304 | 270 | -1.32 | -27.8 | 6.6 |
| 121 | 270 | 1.04 | -6.9 | 21.8 | 230 | 270 | -1.57 | -33.0 | -4.8 | 305 | 270 | -1.43 | -30.2 | 2.2 |
| 122 | 270 | 1.57 | -1.4 | 23.0 | 231 | 270 | -1.70 | -35.6 | -4.4 | 306 | 270 | -1.28 | -26.8 | 3.3 |
| 123 | 270 | 1.63 | -2.2 | 34.2 | 232 | 270 | -1.94 | -40.8 | -3.6 | 307 | 270 | -1.23 | -25.8 | 1.1 |
| 124 | 270 | 1.56 | 3.3 | 32.7 | 233 | 270 | -2.01 | -42.3 | 4.4 | 308 | 270 | -1.46 | -30.6 | 6.6 |
| 125 | 270 | -1.04 | -21.7 | 9.1 | 234 | 270 | -2.65 | -55.6 | 6.6 | 309 | 270 | -1.28 | -26.9 | 1.9 |
| 126 | 270 | 1.04 | -13.1 | 21.8 | 235 | 270 | -1.47 | -30.8 | 8.6 | 310 | 270 | -1.14 | -22.9 | 3.3 |
| 127 | 270 | 1.18 | 1.7 | 24.7 | 236 | 270 | -1.66 | -34.9 | 9.3 | 311 | 270 | -1.39 | -29.3 | 5.9 |
| 128 | 270 | 1.17 | 1.8 | 24.6 | 237 | 270 | -2.28 | -47.9 | 2.6 | 312 | 270 | -1.51 | -31.7 | 4.7 |
| 129 | 270 | 1.27 | 2.5 | 26.7 | 238 | 270 | -1.98 | -41.5 | 5.5 | 313 | 270 | -1.53 | -32.1 | 4.7 |
| 130 | 270 | -.94 | -19.7 | 7.7 | 239 | 270 | -1.96 | -41.1 | -2.2 | 401 | 270 | -1.53 | -32.2 | 3.3 |
| 131 | 270 | -.89 | -8.5 | 18.7 | 240 | 270 | -2.08 | -43.6 | -2.0 | 402 | 270 | -1.50 | -31.5 | 6.6 |
| 132 | 270 | 1.23 | -1.1 | 25.7 | 241 | 270 | -1.96 | -41.2 | -2.0 | 403 | 270 | -1.45 | -30.4 | 8.8 |
| 133 | 270 | 1.26 | 3.3 | 26.4 | 242 | 270 | -2.24 | -47.0 | 4.7 | 404 | 270 | -1.46 | -30.7 | -1.4 |
| 134 | 270 | 1.24 | 1.0 | 26.1 | 243 | 270 | -1.76 | -36.9 | 3.2 | 405 | 270 | -1.42 | -29.7 | -1.3 |
| 135 | 270 | -1.01 | -2.1 | 26.6 | 244 | 270 | -1.59 | -33.4 | 5.0 | 501 | 270 | -2.01 | -42.1 | 4.4 |
| 136 | 270 | -.97 | -8.7 | 20.3 | 245 | 270 | -2.11 | -44.4 | 7.7 | 502 | 270 | -1.99 | -41.8 | 2.2 |
| 137 | 270 | 1.32 | -1.9 | 27.8 | 246 | 270 | -2.19 | -45.9 | 7.0 | 503 | 270 | -1.55 | -32.4 | 18.9 |
| 138 | 270 | 1.39 | -2.2 | 29.1 | 247 | 270 | -1.84 | -38.7 | -2.8 | 504 | 270 | -1.98 | -41.5 | 6.6 |
| 139 | 270 | 1.37 | 3.3 | 28.8 | 248 | 270 | -1.81 | -37.9 | -2.2 | 505 | 270 | -1.46 | -30.6 | 19.1 |
| 2001 | 270 | -1.81 | -37.9 | -4.5 | 249 | 270 | -1.97 | -41.3 | -3.9 | 506 | 270 | -1.42 | -29.8 | 19.7 |
| 2002 | 270 | -1.95 | -41.0 | -7.0 | 250 | 270 | -2.15 | -45.2 | -1.7 | 507 | 270 | -1.70 | -35.7 | 20.0 |
| 2003 | 270 | -1.89 | -39.6 | -5.2 | 251 | 270 | -1.85 | -38.8 | -7.9 | 508 | 270 | -1.72 | -36.2 | 18.3 |
| 2004 | 270 | -1.74 | -36.5 | 18.1 | 252 | 270 | -1.60 | -33.6 | 6.6 | 509 | 270 | -1.88 | -39.6 | 14.7 |
| 2005 | 270 | -1.28 | -27.0 | 19.7 | 253 | 270 | -1.46 | -30.7 | 7.7 | 901 | 270 | -1.60 | -33.3 | 3.3 |
| 2006 | 270 | -1.36 | -28.5 | 11.5 | 254 | 270 | -1.80 | -37.7 | 9.9 | 902 | 270 | -1.62 | -34.0 | -4.9 |
| 2007 | 270 | -1.55 | -32.6 | 15.2 | 255 | 270 | -2.11 | -44.4 | 8.1 | 903 | 270 | -1.47 | -30.9 | -1.9 |
| 2008 | 270 | -1.11 | -23.3 | 9.7 | 256 | 270 | -1.67 | -35.0 | -1.0 | 904 | 270 | -2.13 | -44.8 | -3.0 |
| 2009 | 270 | -1.09 | -22.9 | 11.9 | 257 | 270 | -1.64 | -34.3 | 3.8 | | | | | |

TABLE 6A. PEAK LOADS FOR CONFIGURATION F :
LARGEST VALUES OF CLADDING LOAD

SHUTTLE ASSEMBLY BUILDING-VANDENBERG
REFERENCE PRESSURE = 21.0 PSF

| TAP | AZI- NUTH | PRESS COEFF | NEGATIVE PEAK | | POSITIVE PEAK | | TAP | AZI- NUTH | PRESS COEFF | NEGATIVE PEAK | | POSITIVE PEAK | | TAP | AZI- NUTH | PRESS COEFF | NEGATIVE PEAK | | POSITIVE PEAK | |
|------|--------------|----------------|---------------|-------|---------------|-----|-------|--------------|----------------|---------------|-----|---------------|-------|-----|--------------|----------------|---------------|--|---------------|--|
| | | | PSF | PSF | PSF | PSF | | | | PSF | PSF | PSF | PSF | | | | | | | |
| 905 | 270 | -1.96 | -41.2 | -5.3 | 1108 | 270 | -.93 | -19.5 | 3.7 | 1263 | 270 | -.90 | -19.0 | 3.7 | | | | | | |
| 906 | 270 | -2.22 | -46.6 | -11.4 | 1109 | 270 | -.84 | -17.7 | 5.1 | 1266 | 270 | -.85 | -17.9 | 3.3 | | | | | | |
| 907 | 270 | -2.27 | -47.7 | -13.0 | 1110 | 270 | -.87 | -18.4 | 4.3 | 1267 | 270 | -.96 | -20.2 | 3.3 | | | | | | |
| 908 | 270 | -1.61 | -33.7 | -13.3 | 1111 | 270 | -.79 | -16.6 | 3.7 | 1268 | 270 | -.86 | -18.0 | 4.4 | | | | | | |
| 909 | 270 | -1.23 | -25.9 | -6.6 | 1116 | 270 | -.90 | -18.9 | 2.7 | 1269 | 270 | -.82 | -17.2 | 4.4 | | | | | | |
| 910 | 270 | -1.46 | -33.0 | -6.3 | 1121 | 270 | -.91 | -19.1 | 3.6 | 1270 | 270 | -.80 | -16.9 | 2.3 | | | | | | |
| 911 | 270 | -1.44 | -33.0 | -6.8 | 1126 | 270 | -.79 | -16.6 | 4.3 | 1271 | 270 | -.87 | -18.3 | 4.0 | | | | | | |
| 912 | 270 | -1.66 | -36.8 | -6.8 | 1136 | 270 | -.81 | -17.0 | 7.4 | 1272 | 270 | -.89 | -18.7 | 4.4 | | | | | | |
| 913 | 270 | -1.45 | -33.0 | -6.6 | 1221 | 270 | -.80 | -16.8 | 6.8 | 1303 | 270 | -.85 | -17.8 | 4.9 | | | | | | |
| 914 | 270 | -1.54 | -32.0 | -4.4 | 1222 | 270 | -1.01 | -21.2 | 4.4 | 1305 | 270 | -.95 | -19.9 | 2.2 | | | | | | |
| 915 | 270 | -1.94 | -40.7 | -6.6 | 1223 | 270 | -.82 | -17.1 | 4.0 | 1307 | 270 | -.84 | -17.7 | 4.4 | | | | | | |
| 916 | 270 | -2.19 | -45.9 | -11.1 | 1224 | 270 | -.81 | -17.0 | 6.3 | 1309 | 270 | -.88 | -18.5 | 3.4 | | | | | | |
| 917 | 270 | -1.85 | -33.3 | -11.1 | 1225 | 270 | -.82 | -17.3 | 3.3 | 1311 | 270 | -.81 | -17.0 | 1.5 | | | | | | |
| 918 | 270 | -1.57 | -33.2 | -14.5 | 1226 | 270 | -.87 | -18.2 | 2.2 | 1313 | 270 | -.82 | -17.1 | 4.4 | | | | | | |
| 919 | 270 | -1.22 | -23.9 | -7.7 | 1227 | 270 | -.77 | -16.2 | 4.4 | 1911 | 270 | -.79 | -16.5 | 4.4 | | | | | | |
| 920 | 270 | -1.42 | -33.9 | -6.0 | 1230 | 270 | -.91 | -19.1 | 8.8 | 1913 | 270 | -.91 | -19.0 | 4.4 | | | | | | |
| 921 | 270 | -1.54 | -33.2 | -6.3 | 1231 | 270 | -.77 | -16.2 | 3.3 | 1914 | 270 | -.85 | -17.7 | 3.3 | | | | | | |
| 922 | 270 | -1.84 | -44.4 | -5.5 | 1232 | 270 | -.80 | -16.7 | 3.7 | 1915 | 270 | -.80 | -16.7 | 6.9 | | | | | | |
| 923 | 270 | -1.60 | -33.3 | -4.4 | 1233 | 270 | -.80 | -16.9 | 3.4 | 1916 | 270 | -.85 | -17.8 | 5.7 | | | | | | |
| 924 | 270 | -2.01 | -42.3 | -7.9 | 1234 | 270 | -.87 | -18.1 | 4.8 | 1917 | 270 | -.85 | -17.9 | 7.7 | | | | | | |
| 925 | 270 | -1.99 | -41.8 | -4.4 | 1235 | 270 | -.82 | -17.1 | 3.9 | 1918 | 270 | -.83 | -17.4 | 1.1 | | | | | | |
| 926 | 270 | -1.94 | -40.7 | -1.1 | 1236 | 270 | -.87 | -18.2 | 3.3 | 1921 | 270 | -.81 | -17.1 | 8.8 | | | | | | |
| 927 | 270 | -1.97 | -41.1 | -1.7 | 1239 | 270 | -.76 | -15.3 | 3.3 | 1923 | 270 | -1.04 | -21.8 | 3.3 | | | | | | |
| 928 | 270 | -1.63 | -33.4 | -2.4 | 1240 | 270 | -.89 | -18.9 | 4.4 | 1924 | 270 | -.80 | -16.8 | 1.1 | | | | | | |
| 929 | 270 | -1.27 | -26.7 | -2.4 | 1241 | 270 | -.84 | -17.7 | 3.8 | 1925 | 270 | -.85 | -17.9 | 8.8 | | | | | | |
| 930 | 270 | -1.51 | -31.7 | -4.4 | 1242 | 270 | -.93 | -19.5 | 5.3 | 1926 | 270 | -.81 | -17.1 | 6.6 | | | | | | |
| 931 | 270 | -1.62 | -33.4 | -5.4 | 1243 | 270 | -.83 | -17.4 | 4.4 | 1927 | 270 | -.87 | -18.2 | 7.7 | | | | | | |
| 932 | 270 | -1.34 | -28.1 | -2.2 | 1244 | 270 | -.82 | -17.2 | 3.8 | 1928 | 270 | -.81 | -17.1 | 1.1 | | | | | | |
| 933 | 270 | -1.46 | -33.0 | -5.3 | 1245 | 270 | -.79 | -16.5 | 3.3 | 1930 | 270 | -.96 | -20.2 | 7.7 | | | | | | |
| 934 | 270 | -1.80 | -37.9 | -2.2 | 1248 | 270 | -.86 | -18.0 | 3.6 | 1932 | 270 | -.77 | -16.1 | 6.6 | | | | | | |
| 935 | 270 | -1.51 | -33.1 | -4.4 | 1249 | 270 | -.86 | -18.1 | 3.3 | 1933 | 270 | -.81 | -17.1 | 3.1 | | | | | | |
| 936 | 270 | -1.61 | -33.3 | -7.7 | 1250 | 270 | -.88 | -18.6 | 3.3 | 1934 | 270 | -.83 | -17.5 | 6.6 | | | | | | |
| 937 | 270 | -1.37 | -28.9 | -2.8 | 1251 | 270 | -.84 | -17.3 | 3.3 | 1935 | 270 | -.88 | -18.4 | 3.3 | | | | | | |
| 938 | 270 | -1.34 | -28.8 | -2.8 | 1252 | 270 | -.87 | -18.3 | 4.4 | 1936 | 270 | -.82 | -17.3 | 3.3 | | | | | | |
| 939 | 270 | -1.47 | -30.8 | -4.4 | 1253 | 270 | -.84 | -17.6 | 3.3 | 1937 | 270 | -.85 | -18.0 | 4.4 | | | | | | |
| 940 | 270 | -1.93 | -40.6 | -3.3 | 1254 | 270 | -.87 | -18.1 | 4.4 | 1939 | 270 | -.82 | -17.2 | 3.3 | | | | | | |
| 941 | 270 | -1.33 | -28.8 | -1.1 | 1257 | 270 | -.82 | -17.1 | 4.7 | 1941 | 270 | -.92 | -19.2 | 8.8 | | | | | | |
| 942 | 270 | -1.54 | -32.3 | -3.0 | 1258 | 270 | -.90 | -19.0 | 2.9 | 1942 | 270 | -.85 | -17.8 | 8.8 | | | | | | |
| 943 | 270 | -1.92 | -40.3 | -4.4 | 1259 | 270 | -.84 | -17.6 | 6.0 | 1943 | 270 | -.78 | -16.3 | 4.4 | | | | | | |
| 944 | 270 | -1.14 | -24.9 | -1.9 | 1260 | 270 | -.80 | -16.8 | 5.5 | 1944 | 270 | -.91 | -19.2 | 3.3 | | | | | | |
| 945 | 270 | -2.62 | -53.0 | -8.6 | 1261 | 270 | -.84 | -17.7 | 3.3 | 1945 | 270 | -.77 | -16.3 | 3.3 | | | | | | |
| 946 | 270 | -2.11 | -44.3 | -9.0 | 1262 | 270 | -.83 | -17.4 | 3.4 | 1946 | 270 | -1.00 | -21.1 | 3.0 | | | | | | |
| 1107 | 270 | -.81 | -17.1 | 4.2 | | | | | | | | | | | | | | | | |

TABLE 6A. PEAK LOADS FOR CONFIGURATION F :
LARGEST VALUES OF CLADDING LOAD

SHUTTLE ASSEMBLY BUILDING-VANDENBERG
REFERENCE PRESSURE = 21.0 PSF

* * 15 GREATEST PRESSURE MAGNITUDES * *

| TAP | AZI- MUTH | PRESS COEFF | NEGATIVE PEAK ----- PSF | POSITIVE PEAK ----- |
|-----|--------------|----------------|----------------------------------|---------------------------|
| 258 | 270 | -2.99 | -62.7 | -1.4 |
| 217 | 270 | -2.93 | -61.5 | 7.7 |
| 234 | 270 | -2.65 | -55.6 | 6.6 |
| 216 | 270 | -2.63 | -55.2 | 5.3 |
| 215 | 270 | -2.63 | -55.1 | 6.1 |
| 945 | 270 | -2.62 | -55.0 | 8.6 |
| 268 | 270 | -2.52 | -53.0 | .3 |
| 259 | 270 | -2.43 | -51.1 | -1.8 |
| 261 | 270 | -2.43 | -51.1 | 6.9 |
| 267 | 270 | -2.38 | -49.9 | 10.0 |
| 237 | 270 | -2.28 | -47.9 | 2.6 |
| 907 | 270 | -2.27 | -47.7 | 13.0 |
| 212 | 270 | -2.27 | -47.7 | -6.6 |
| 218 | 270 | -2.27 | -47.7 | 7.3 |
| 272 | 270 | -2.25 | -47.2 | 6.6 |

TABLE 7. BASE SHEAR AND MOMENT SUMMARY : ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A
 CONFIGURATION A REFERENCE PRESSURE 21.0 GUST FACTOR 1.30

| AZIMUTH | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | | ECCEN (FT) | |
|---------|--------------|-----|-----------------------|-------|------|------------|------|
| | X | Y | X | Y | Z | X | Y |
| 0 | 28.2 | 0.0 | 0.0 | 12.4 | 1.1 | 0 | -39 |
| 15 | 142.6 | 0.0 | 0.0 | 21.1 | 1.7 | 0 | -12 |
| 30 | 357.5 | 0.0 | 0.0 | 33.6 | .4 | 0 | -1 |
| 45 | 606.4 | 0.0 | 0.0 | 50.9 | -.9 | 0 | 2 |
| 60 | 686.0 | 0.0 | 0.0 | 55.7 | -1.6 | 0 | 2 |
| 75 | 843.9 | 0.0 | 0.0 | 67.1 | -.6 | 0 | 1 |
| 90 | 975.7 | 0.0 | 0.0 | 81.5 | 1.1 | 0 | -1 |
| 105 | 843.0 | 0.0 | 0.0 | 74.0 | -.8 | 0 | 1 |
| 120 | 687.3 | 0.0 | 0.0 | 59.0 | -2.0 | 0 | 3 |
| 135 | 616.0 | 0.0 | 0.0 | 51.2 | -1.1 | 0 | 2 |
| 150 | 359.4 | 0.0 | 0.0 | 26.3 | .3 | 0 | -1 |
| 165 | 146.4 | 0.0 | 0.0 | 3.0 | 1.6 | 0 | -1 |
| 180 | 32.3 | 0.0 | 0.0 | -7.4 | 1.1 | 0 | -33 |
| 195 | 78.5 | 0.0 | 0.0 | -4.7 | 1.4 | 0 | -18 |
| 210 | 122.2 | 0.0 | 0.0 | 4.1 | 6.4 | 0 | -53 |
| 225 | 44.6 | 0.0 | 0.0 | 3.9 | 11.2 | 0 | -251 |
| 240 | -168.7 | 0.0 | 0.0 | -10.7 | 13.4 | 0 | 79 |
| 255 | -155.3 | 0.0 | 0.0 | -8.4 | 16.9 | 0 | 109 |
| 270 | -196.5 | 0.0 | 0.0 | -16.4 | 7.6 | 0 | -39 |
| 285 | -147.0 | 0.0 | 0.0 | -16.8 | 16.2 | 0 | 110 |
| 300 | -167.1 | 0.0 | 0.0 | -17.3 | 13.4 | 0 | 80 |
| 315 | 41.4 | 0.0 | 0.0 | 3.2 | 11.2 | 0 | -270 |
| 330 | 117.6 | 0.0 | 0.0 | 15.9 | 6.4 | 0 | -55 |
| 345 | 74.8 | 0.0 | 0.0 | 17.5 | 1.4 | 0 | -19 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | | | | | | | | | | | | | |
|--------------------------------------|--------|-----------------|-----|--------------|---|--|-----|------------|-----|------------------|-----|-----------------------|------|-----|
| WIND DIRECTION 0 | | CONFIGURATION A | | | | ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | GUST FACTOR 1.30 | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | | | | | | | | | 28.2 | 0.0 | 0.0 | 12.4 | 1.1 |
| 2ND | 5.25 | -9.4 | 0.0 | 952 | 0 | -9.9 | 0.0 | 0 | 3 | 37.7 | 0.0 | 0.0 | 12.2 | 1.1 |
| 3RD | 20.83 | -27.6 | 0.0 | 2814 | 0 | -9.8 | 0.0 | 0 | -1 | 65.3 | 0.0 | 0.0 | 11.4 | 1.1 |
| 4TH | 45.83 | -32.0 | 0.0 | 3981 | 0 | -8.0 | 0.0 | 0 | -14 | 97.3 | 0.0 | 0.0 | 9.4 | 1.5 |
| 5TH | 70.92 | -13.9 | 0.0 | 3994 | 0 | -3.5 | 0.0 | 0 | -12 | 111.1 | 0.0 | 0.0 | 6.8 | 1.7 |
| 6TH | 96.08 | 5.8 | 0.0 | 4008 | 0 | 1.4 | 0.0 | 0 | -33 | 105.4 | 0.0 | 0.0 | 4.1 | 1.5 |
| 7TH | 121.17 | 29.8 | 0.0 | 3994 | 0 | 7.5 | 0.0 | 0 | -12 | 75.6 | 0.0 | 0.0 | 1.8 | 1.1 |
| 8TH | 146.17 | 38.3 | 0.0 | 3981 | 0 | 9.6 | 0.0 | 0 | -13 | 37.2 | 0.0 | 0.0 | .4 | .6 |
| 9TH | 161.75 | 28.5 | 0.0 | 2814 | 0 | 10.1 | 0.0 | 0 | -12 | 8.7 | 0.0 | 0.0 | .0 | .3 |
| TOP | 167.00 | 8.7 | 0.0 | 952 | 0 | 9.2 | 0.0 | 0 | -34 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | | | | | | | | |
|---|--------|-----------------|-----|--------------|---|-----------------------------|-----|------------|-----|------------------|-----|-----------------------|------|-----|
| WIND DIRECTION 15 | | CONFIGURATION A | | | | REFERENCE PRESSURE 21.0 PSF | | | | GUST FACTOR 1.30 | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | -1.4 | 0.0 | 952 | 0 | -1.4 | 0.0 | 0 | -27 | 142.6 | 0.0 | 0.0 | 21.1 | 1.7 |
| 2ND | 5.25 | -7.9 | 0.0 | 2814 | 0 | -2.8 | 0.0 | 0 | -10 | 143.9 | 0.0 | 0.0 | 20.4 | 1.8 |
| 3RD | 20.83 | -16.1 | 0.0 | 3981 | 0 | -4.0 | 0.0 | 0 | 7 | 151.9 | 0.0 | 0.0 | 18.1 | 1.8 |
| 4TH | 45.83 | .8 | 0.0 | 3994 | 0 | .2 | 0.0 | 0 | -71 | 168.0 | 0.0 | 0.0 | 14.1 | 1.7 |
| 5TH | 70.92 | 18.1 | 0.0 | 4008 | 0 | 4.5 | 0.0 | 0 | -10 | 167.2 | 0.0 | 0.0 | 9.9 | 1.7 |
| 6TH | 96.08 | 38.9 | 0.0 | 3994 | 0 | 9.7 | 0.0 | 0 | -6 | 149.1 | 0.0 | 0.0 | 5.9 | 1.5 |
| 7TH | 121.17 | 54.6 | 0.0 | 3981 | 0 | 13.7 | 0.0 | 0 | -11 | 110.2 | 0.0 | 0.0 | 2.6 | 1.3 |
| 8TH | 146.17 | 42.9 | 0.0 | 2814 | 0 | 15.3 | 0.0 | 0 | -8 | 55.6 | 0.0 | 0.0 | .6 | .6 |
| 9TH | 161.75 | 12.6 | 0.0 | 952 | 0 | 13.3 | 0.0 | 0 | -24 | 12.6 | 0.0 | 0.0 | .0 | .3 |
| TOP | 167.00 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A
WIND DIRECTION 30 CONFIGURATION A REFERENCE PRESSURE 21.0 PSF

| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | GUST FACTOR 1.30 MOMENT (1000-FT-KIPS) | | |
|-------|--------|--------------|-----|--------------|---|----------------|-----|------------|-----|--------------|-----|---|------|-----|
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | | | | | | | | | 357.5 | 0.0 | 0.0 | 33.6 | .4 |
| 2ND | 5.25 | 19.7 | 0.0 | 952 | 0 | 20.7 | 0.0 | 0 | 24 | 337.8 | 0.0 | 0.0 | 31.8 | .9 |
| 3RD | 20.83 | 48.9 | 0.0 | 2814 | 0 | 17.4 | 0.0 | 0 | 25 | 288.9 | 0.0 | 0.0 | 26.9 | 2.1 |
| 4TH | 45.83 | 35.4 | 0.0 | 3981 | 0 | 8.9 | 0.0 | 0 | 2 | 253.5 | 0.0 | 0.0 | 20.1 | 2.2 |
| 5TH | 70.92 | 21.4 | 0.0 | 3994 | 0 | 5.4 | 0.0 | 0 | -22 | 232.1 | 0.0 | 0.0 | 14.0 | 1.7 |
| 6TH | 96.08 | 29.3 | 0.0 | 4008 | 0 | 7.3 | 0.0 | 0 | -17 | 202.8 | 0.0 | 0.0 | 8.5 | 1.2 |
| 7TH | 121.17 | 41.9 | 0.0 | 3994 | 0 | 10.5 | 0.0 | 0 | -12 | 160.9 | 0.0 | 0.0 | 4.0 | .7 |
| 8TH | 146.17 | 75.3 | 0.0 | 3981 | 0 | 18.9 | 0.0 | 0 | -7 | 85.3 | 0.0 | 0.0 | .9 | .2 |
| 9TH | 161.75 | 62.8 | 0.0 | 2814 | 0 | 22.3 | 0.0 | 0 | -3 | 22.7 | 0.0 | 0.0 | .1 | -0 |
| TOP | 167.00 | 22.7 | 0.0 | 952 | 0 | 23.9 | 0.0 | 0 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : ROOF, SMUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | | | | | | | | |
|---|--------|-----------------|-----|--------------|---|----------------|-----|------------|-----|--------------|-----|-----------------------|------|------|
| WIND DIRECTION 45 | | CONFIGURATION A | | | | | | | | | | GUST FACTOR 1.30 | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | 31.5 | 0.0 | 952 | 0 | 33.1 | 0.0 | 0 | 15 | 606.4 | 0.0 | 0.0 | 50.9 | -1.9 |
| 2ND | 5.25 | 83.6 | 0.0 | 2614 | 0 | 29.7 | 0.0 | 0 | 18 | 574.9 | 0.0 | 0.0 | 47.8 | -1.5 |
| 3RD | 20.83 | 88.8 | 0.0 | 3981 | 0 | 22.3 | 0.0 | 0 | 8 | 491.3 | 0.0 | 0.0 | 39.5 | 1.1 |
| 4TH | 45.83 | 65.5 | 0.0 | 3994 | 0 | 16.4 | 0.0 | 0 | 0 | 402.6 | 0.0 | 0.0 | 26.3 | 1.8 |
| 5TH | 70.92 | 77.7 | 0.0 | 4008 | 0 | 19.4 | 0.0 | 0 | -7 | 337.0 | 0.0 | 0.0 | 19.0 | 1.8 |
| 6TH | 96.08 | 46.6 | 0.0 | 3994 | 0 | 11.7 | 0.0 | 0 | -23 | 259.3 | 0.0 | 0.0 | 11.5 | 1.3 |
| 7TH | 121.17 | 84.6 | 0.0 | 3981 | 0 | 21.2 | 0.0 | 0 | -7 | 212.7 | 0.0 | 0.0 | 5.6 | -1.2 |
| 8TH | 146.17 | 95.0 | 0.0 | 2614 | 0 | 33.8 | 0.0 | 0 | 4 | 128.2 | 0.0 | 0.0 | 1.3 | -1.4 |
| 9TH | 161.75 | 33.1 | 0.0 | 952 | 0 | 34.8 | 0.0 | 0 | 1 | 33.1 | 0.0 | 0.0 | .1 | -1.0 |
| TOP | 167.00 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | | | | | | | | | |
|---|--------|-----------------|-----|--------------|---|----------------|-----|------------|----|-----------------------------|-----|-----------------------|------------------|------|--|
| WIND DIRECTION 60 | | CONFIGURATION A | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | GUST FACTOR 1.30 | | |
| LOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z | |
| 1ST | 0.00 | | | | | | | | | 686.0 | 0.0 | 0.0 | 55.7 | -1.6 | |
| 2ND | 5.25 | 30.1 | 0.0 | 952 | 0 | 31.6 | 0.0 | 0 | 11 | 655.9 | 0.0 | 0.0 | 52.2 | -1.3 | |
| 3RD | 20.83 | 85.0 | 0.0 | 2814 | 0 | 30.2 | 0.0 | 0 | 15 | 571.0 | 0.0 | 0.0 | 42.6 | -0 | |
| 4TH | 45.83 | 102.3 | 0.0 | 3981 | 0 | 25.7 | 0.0 | 0 | 8 | 468.7 | 0.0 | 0.0 | 29.6 | .8 | |
| 5TH | 70.92 | 88.0 | 0.0 | 3994 | 0 | 22.0 | 0.0 | 0 | 4 | 380.7 | 0.0 | 0.0 | 19.0 | 1.1 | |
| 6TH | 96.08 | 114.6 | 0.0 | 4008 | 0 | 28.6 | 0.0 | 0 | -6 | 266.1 | 0.0 | 0.0 | 10.9 | .4 | |
| 7TH | 121.17 | 72.3 | 0.0 | 3994 | 0 | 18.1 | 0.0 | 0 | 4 | 193.8 | 0.0 | 0.0 | 5.1 | .8 | |
| 8TH | 146.17 | 80.1 | 0.0 | 3981 | 0 | 20.1 | 0.0 | 0 | -7 | 113.8 | 0.0 | 0.0 | 1.2 | .2 | |
| 9TH | 161.75 | 79.9 | 0.0 | 2814 | 0 | 28.4 | 0.0 | 0 | -2 | 33.8 | 0.0 | 0.0 | .1 | .0 | |
| TOP | 167.00 | 33.8 | 0.0 | 952 | 0 | 35.5 | 0.0 | 0 | -1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | | | | | | | | | |
|---|--------|-----------------|-----|--------------|---|----------------|-----|-----------|----|-----------------------------|-----|-----------------------|------------------|-----|--|
| WIND DIRECTION 75 | | CONFIGURATION A | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | GUST FACTOR 1.30 | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z | |
| 1ST | 0.00 | | | | | | | | | 845.9 | 0.0 | 0.0 | 67.1 | -6 | |
| | | 33.8 | 0.0 | 952 | 0 | 35.5 | 0.0 | 0 | 9 | 812.1 | 0.0 | 0.0 | 62.7 | -3 | |
| 2ND | 5.25 | 97.6 | 0.0 | 2814 | 0 | 34.7 | 0.0 | 0 | 7 | 714.5 | 0.0 | 0.0 | 50.8 | .4 | |
| 3RD | 20.83 | 130.0 | 0.0 | 3981 | 0 | 32.6 | 0.0 | 0 | -2 | 584.6 | 0.0 | 0.0 | 34.6 | .2 | |
| 4TH | 45.83 | 120.0 | 0.0 | 3994 | 0 | 30.0 | 0.0 | 0 | 0 | 464.5 | 0.0 | 0.0 | 21.4 | .2 | |
| 5TH | 70.92 | 146.6 | 0.0 | 4008 | 0 | 36.6 | 0.0 | 0 | -6 | 317.9 | 0.0 | 0.0 | 11.6 | -7 | |
| 6TH | 96.08 | 111.9 | 0.0 | 3994 | 0 | 28.0 | 0.0 | 0 | 2 | 206.1 | 0.0 | 0.0 | 5.0 | -5 | |
| 7TH | 121.17 | 101.0 | 0.0 | 3981 | 0 | 25.4 | 0.0 | 0 | 1 | 105.1 | 0.0 | 0.0 | 1.1 | -4 | |
| 8TH | 146.17 | 75.6 | 0.0 | 2814 | 0 | 26.8 | 0.0 | 0 | 4 | 29.5 | 0.0 | 0.0 | .1 | -1 | |
| 9TH | 161.75 | 29.5 | 0.0 | 952 | 0 | 31.0 | 0.0 | 0 | 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| TOP | 167.00 | | | | | | | | | | | | | | |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | | | | | | | | | |
|---|--------|-----------------|-----|--------------|---|----------------|-----|-----------------------------|----|--------------|-----|-----------------------|------------------|------|--|
| WIND DIRECTION 90 | | CONFIGURATION A | | | | | | REFERENCE PRESSURE 21.0 PSF | | | | | GUST FACTOR 1.30 | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z | |
| 1ST | 0.00 | | | 952 | 0 | 38.0 | 0.0 | 0 | 12 | 975.7 | 0.0 | 0.0 | 81.5 | 1.1 | |
| 2ND | 5.25 | 36.2 | 0.0 | 2814 | 0 | 35.4 | 0.0 | 0 | 11 | 939.6 | 0.0 | 0.0 | 76.4 | 1.5 | |
| 3RD | 20.83 | 99.6 | 0.0 | 3981 | 0 | 34.9 | 0.0 | 0 | -5 | 840.0 | 0.0 | 0.0 | 62.6 | 2.6 | |
| 4TH | 45.83 | 139.1 | 0.0 | 3994 | 0 | 35.4 | 0.0 | 0 | -6 | 700.9 | 0.0 | 0.0 | 43.3 | 2.0 | |
| 5TH | 70.92 | 141.6 | 0.0 | 4008 | 0 | 35.6 | 0.0 | 0 | -8 | 559.3 | 0.0 | 0.0 | 27.5 | 1.2 | |
| 6TH | 96.08 | 142.9 | 0.0 | 3994 | 0 | 35.4 | 0.0 | 0 | -6 | 416.4 | 0.0 | 0.0 | 15.2 | -0.0 | |
| 7TH | 121.17 | 141.6 | 0.0 | 3981 | 0 | 34.9 | 0.0 | 0 | -5 | 274.8 | 0.0 | 0.0 | 6.6 | -0.9 | |
| 8TH | 146.17 | 139.1 | 0.0 | 3981 | 0 | 34.9 | 0.0 | 0 | -5 | 135.8 | 0.0 | 0.0 | 1.4 | -1.5 | |
| 9TH | 161.75 | 99.6 | 0.0 | 2814 | 0 | 35.4 | 0.0 | 0 | 11 | 36.2 | 0.0 | 0.0 | .1 | -0.4 | |
| TOP | 167.00 | 36.2 | 0.0 | 952 | 0 | 38.0 | 0.0 | 0 | 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | | | | | | | GUST FACTOR 1.30 | | |
|---|--------|--------------|-----|--------------|---|----------------|-----|------------|----|--------------|-----|-----------------------|-----------------------------|------|--|
| WIND DIRECTION 100 | | | | | | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z | |
| 1ST | 0.00 | 29.5 | 0.0 | 952 | 0 | 31.0 | 0.0 | 0 | 3 | 843.0 | 0.0 | 0.0 | 74.0 | -0.8 | |
| 2ND | 5.25 | 75.6 | 0.0 | 2814 | 0 | 26.8 | 0.0 | 0 | 4 | 813.5 | 0.0 | 0.0 | 69.6 | -0.7 | |
| 3RD | 20.83 | 101.0 | 0.0 | 3981 | 0 | 25.4 | 0.0 | 0 | 1 | 738.0 | 0.0 | 0.0 | 57.5 | -0.5 | |
| 4TH | 45.83 | 111.9 | 0.0 | 3994 | 0 | 28.0 | 0.0 | 0 | 2 | 637.0 | 0.0 | 0.0 | 40.3 | -0.4 | |
| 5TH | 70.92 | 143.7 | 0.0 | 4008 | 0 | 35.9 | 0.0 | 0 | -5 | 525.1 | 0.0 | 0.0 | 25.8 | -0.1 | |
| 6TH | 96.08 | 120.0 | 0.0 | 3994 | 0 | 30.0 | 0.0 | 0 | 0 | 381.4 | 0.0 | 0.0 | 14.3 | -0.8 | |
| 7TH | 121.17 | 130.0 | 0.0 | 3981 | 0 | 32.6 | 0.0 | 0 | -2 | 261.4 | 0.0 | 0.0 | 6.3 | -0.8 | |
| 8TH | 146.17 | 97.6 | 0.0 | 2814 | 0 | 34.7 | 0.0 | 0 | 7 | 131.4 | 0.0 | 0.0 | 1.4 | -1.0 | |
| 9TH | 161.75 | 33.8 | 0.0 | 952 | 0 | 35.5 | 0.0 | 0 | 9 | 33.8 | 0.0 | 0.0 | .1 | -0.3 | |
| TOP | 167.00 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | | | | | | | | |
|---|--------|-----------------|-----|--------------|---|----------------|-----|------------|----|-----------------------------|-----|-----------------------|------------------|------|
| WIND DIRECTION 120 | | CONFIGURATION A | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | GUST FACTOR 1.30 | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | | | | | | | | | 687.3 | 0.0 | 0.0 | 59.0 | -2.0 |
| 2ND | 5.25 | 33.8 | 0.0 | 952 | 0 | 35.5 | 0.0 | 0 | -1 | 653.5 | 0.0 | 0.0 | 53.4 | -2.1 |
| 3RD | 20.83 | 79.9 | 0.0 | 2814 | 0 | 28.4 | 0.0 | 0 | -2 | 573.5 | 0.0 | 0.0 | 45.9 | -2.2 |
| 4TH | 43.83 | 80.1 | 0.0 | 3981 | 0 | 20.1 | 0.0 | 0 | -7 | 493.5 | 0.0 | 0.0 | 32.3 | -2.8 |
| 5TH | 70.92 | 72.3 | 0.0 | 3994 | 0 | 18.1 | 0.0 | 0 | 4 | 421.2 | 0.0 | 0.0 | 21.1 | -2.3 |
| 6TH | 96.08 | 115.9 | 0.0 | 4008 | 0 | 28.9 | 0.0 | 0 | -3 | 305.3 | 0.0 | 0.0 | 11.9 | -2.8 |
| 7TH | 121.17 | 88.0 | 0.0 | 3994 | 0 | 22.0 | 0.0 | 0 | 4 | 217.3 | 0.0 | 0.0 | 5.4 | -2.4 |
| 8TH | 146.17 | 102.3 | 0.0 | 3981 | 0 | 25.7 | 0.0 | 0 | 8 | 115.1 | 0.0 | 0.0 | 1.2 | -1.6 |
| 9TH | 161.75 | 85.0 | 0.0 | 2814 | 0 | 30.2 | 0.0 | 0 | 15 | 30.1 | 0.0 | 0.0 | .1 | -.3 |
| TOP | 167.00 | 30.1 | 0.0 | 952 | 0 | 31.6 | 0.0 | 0 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS 1 | | ROOF, SKUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | | GUST FACTOR 1.30 | | | | |
|--------------------------------------|--------|--|-----|--------------|---|----------------|-----|------------|-----|-----------------------------|-----|-----------------------|------|------|
| WIND DIRECTION 135 | | CONFIGURATION A | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FY-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | | | 952 | 0 | 34.8 | 0.0 | 0 | 1 | 616.0 | 0.0 | 0.0 | 51.2 | -1.1 |
| 2ND | 5.25 | 33.1 | 0.0 | 2814 | 0 | 33.8 | 0.0 | 0 | 4 | 582.9 | 0.0 | 0.0 | 48.0 | -1.0 |
| 3RD | 20.83 | 95.0 | 0.0 | 3981 | 0 | 21.2 | 0.0 | 0 | -7 | 487.9 | 0.0 | 0.0 | 39.7 | -1.7 |
| 4TH | 45.83 | 84.6 | 0.0 | 3994 | 0 | 11.7 | 0.0 | 0 | -23 | 463.3 | 0.0 | 0.0 | 28.6 | -1.3 |
| 5TH | 70.92 | 46.6 | 0.0 | 3994 | 0 | 21.8 | 0.0 | 0 | -5 | 356.7 | 0.0 | 0.0 | 19.0 | -2.4 |
| 6TH | 96.08 | 87.3 | 0.0 | 4008 | 0 | 16.4 | 0.0 | 0 | 0 | 269.4 | 0.0 | 0.0 | 11.1 | -2.8 |
| 7TH | 121.17 | 65.5 | 0.0 | 3994 | 0 | 22.3 | 0.0 | 0 | 8 | 203.8 | 0.0 | 0.0 | 5.2 | -2.7 |
| 8TH | 146.17 | 98.8 | 0.0 | 3981 | 0 | 29.7 | 0.0 | 0 | 18 | 115.0 | 0.0 | 0.0 | 1.2 | -2.0 |
| 9TH | 161.75 | 83.6 | 0.0 | 2814 | 0 | 33.1 | 0.0 | 0 | 15 | 31.5 | 0.0 | 0.0 | .1 | -1.5 |
| TOP | 167.00 | 31.5 | 0.0 | 952 | 0 | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A
WIND DIRECTION 150 CONFIGURATION A REFERENCE PRESSURE 21.0 PSF

GUST FACTOR 1.30

| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
|-------|--------|--------------|-----|--------------|---|----------------|-----|------------|-----|--------------|-----|-----------------------|------|------|
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | 22.7 | 0.0 | 952 | 0 | 23.9 | 0.0 | 0 | 1 | 359.4 | 0.0 | 0.0 | 26.3 | .3 |
| 2ND | 5.25 | 62.8 | 0.0 | 2814 | 0 | 22.3 | 0.0 | 0 | -3 | 336.7 | 0.0 | 0.0 | 24.4 | .3 |
| 3RD | 20.83 | 75.4 | 0.0 | 3981 | 0 | 18.9 | 0.0 | 0 | -7 | 273.9 | 0.0 | 0.0 | 19.7 | .1 |
| 4TH | 43.83 | 41.9 | 0.0 | 3994 | 0 | 10.5 | 0.0 | 0 | -12 | 198.5 | 0.0 | 0.0 | 13.8 | -.4 |
| 5TH | 70.92 | 31.2 | 0.0 | 4008 | 0 | 7.8 | 0.0 | 0 | -13 | 156.7 | 0.0 | 0.0 | 9.3 | -.9 |
| 6TH | 96.08 | 21.4 | 0.0 | 3994 | 0 | 5.4 | 0.0 | 0 | -22 | 125.4 | 0.0 | 0.0 | 5.8 | -1.3 |
| 7TH | 121.17 | 35.4 | 0.0 | 3981 | 0 | 8.9 | 0.0 | 0 | 2 | 104.6 | 0.0 | 0.0 | 2.9 | -1.8 |
| 8TH | 146.17 | 48.9 | 0.0 | 2814 | 0 | 17.4 | 0.0 | 0 | 25 | 68.5 | 0.0 | 0.0 | .7 | -1.7 |
| 9TH | 161.75 | 19.7 | 0.0 | 952 | 0 | 20.7 | 0.0 | 0 | 24 | 19.7 | 0.0 | 0.0 | .1 | -.5 |
| TOP | 167.00 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | | | | | | | | |
|---|--------|-----------------|-----|--------------|---|----------------|-----|-----------------------------|-----|------------------|-----|-----------------------|------|-----|
| WIND DIRECTION 165 | | CONFIGURATION A | | | | | | REFERENCE PRESSURE 21.0 PSF | | GUST FACTOR 1.30 | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | | | 952 | 0 | 13.3 | 0.0 | 0 | -24 | 146.4 | 0.0 | 0.0 | 3.0 | 1.6 |
| 2ND | 5.25 | 12.6 | 0.0 | 2814 | 0 | 15.3 | 0.0 | 0 | -8 | 133.8 | 0.0 | 0.0 | 2.3 | 1.3 |
| 3RD | 20.83 | 42.9 | 0.0 | 3981 | 0 | 13.7 | 0.0 | 0 | -11 | 90.9 | 0.0 | 0.0 | .5 | 1.0 |
| 4TH | 45.83 | 54.6 | 0.0 | 3994 | 0 | 9.7 | 0.0 | 0 | -6 | 36.2 | 0.0 | 0.0 | -1.1 | .4 |
| 5TH | 70.92 | 38.9 | 0.0 | 4008 | 0 | 5.5 | 0.0 | 0 | -4 | -2.7 | 0.0 | 0.0 | -1.5 | .1 |
| 6TH | 96.08 | 22.0 | 0.0 | 3994 | 0 | .2 | 0.0 | 0 | -70 | -24.6 | 0.0 | 0.0 | -1.1 | .1 |
| 7TH | 121.17 | .8 | 0.0 | 3994 | 0 | | 0.0 | 0 | 7 | -25.4 | 0.0 | 0.0 | -.5 | .0 |
| 8TH | 146.17 | -16.1 | 0.0 | 3981 | 0 | -4.0 | 0.0 | 0 | 7 | -9.3 | 0.0 | 0.0 | -.1 | -.1 |
| 9TH | 161.75 | -7.9 | 0.0 | 2814 | 0 | -2.8 | 0.0 | 0 | -10 | -1.4 | 0.0 | 0.0 | -.0 | -.0 |
| TOP | 167.00 | -1.4 | 0.0 | 952 | 0 | -1.4 | 0.0 | 0 | -27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | | | | | | | | | |
|---|--------|-----------------|-----|--------------|---|----------------|-----|------------|-----|-----------------------------|-----|-----------------------|------|------------------|--|
| WIND DIRECTION 180 | | CONFIGURATION A | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | | GUST FACTOR 1.30 | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z | |
| 1ST | 0.00 | 8.7 | 0.0 | 952 | 0 | 9.2 | 0.0 | 0 | -34 | 32.3 | 0.0 | 0.0 | -7.4 | 1.1 | |
| 2ND | 5.25 | 28.5 | 0.0 | 2814 | 0 | 10.1 | 0.0 | 0 | -12 | 23.6 | 0.0 | 0.0 | -7.5 | .8 | |
| 3RD | 20.63 | 38.3 | 0.0 | 3961 | 0 | 9.6 | 0.0 | 0 | -13 | -4.9 | 0.0 | 0.0 | -7.6 | .4 | |
| 4TH | 45.63 | 29.8 | 0.0 | 3994 | 0 | 7.5 | 0.0 | 0 | -12 | -43.2 | 0.0 | 0.0 | -7.0 | -1.1 | |
| 5TH | 70.92 | 9.9 | 0.0 | 4008 | 0 | 2.5 | 0.0 | 0 | -16 | -73.0 | 0.0 | 0.0 | -5.6 | -1.4 | |
| 6TH | 96.08 | -13.8 | 0.0 | 3994 | 0 | -3.5 | 0.0 | 0 | -12 | -82.9 | 0.0 | 0.0 | -3.6 | -1.6 | |
| 7TH | 121.17 | -32.0 | 0.0 | 3981 | 0 | -8.0 | 0.0 | 0 | -14 | -69.1 | 0.0 | 0.0 | -1.7 | -1.4 | |
| 8TH | 146.17 | -27.6 | 0.0 | 2814 | 0 | -9.8 | 0.0 | 0 | -1 | -37.1 | 0.0 | 0.0 | -1.4 | .0 | |
| 9TH | 161.75 | -9.5 | 0.0 | 952 | 0 | -9.9 | 0.0 | 0 | 3 | -9.5 | 0.0 | 0.0 | -1.0 | .0 | |
| TOP | 167.00 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | | | | | | | | |
|---|--------|-----------------|-----|--------------|---|----------------|-----|------------|-----|--------------|-----|-----------------------|------|------|
| WIND DIRECTION 193 | | CONFIGURATION A | | | | | | | | | | GUST FACTOR 1.30 | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | 13.4 | 0.0 | 952 | 0 | 14.1 | 0.0 | 0 | -31 | 78.5 | 0.0 | 0.0 | -4.7 | 1.4 |
| 2ND | 5.25 | 42.0 | 0.0 | 2814 | 0 | 14.9 | 0.0 | 0 | -19 | 65.1 | 0.0 | 0.0 | -5.1 | 1.0 |
| 3RD | 20.83 | 54.9 | 0.0 | 3901 | 0 | 13.8 | 0.0 | 0 | -14 | 23.1 | 0.0 | 0.0 | -5.8 | .2 |
| 4TH | 45.83 | 32.1 | 0.0 | 3994 | 0 | 8.0 | 0.0 | 0 | -10 | -31.8 | 0.0 | 0.0 | -5.7 | -1.6 |
| 5TH | 70.92 | 8.0 | 0.0 | 4008 | 0 | 2.0 | 0.0 | 0 | -18 | -63.9 | 0.0 | 0.0 | -4.5 | -1.9 |
| 6TH | 96.08 | -18.8 | 0.0 | 3994 | 0 | -4.7 | 0.0 | 0 | -15 | -71.9 | 0.0 | 0.0 | -2.8 | -1.0 |
| 7TH | 121.17 | -29.6 | 0.0 | 3981 | 0 | -7.4 | 0.0 | 0 | -18 | -53.1 | 0.0 | 0.0 | -1.2 | -1.8 |
| 8TH | 146.17 | -17.6 | 0.0 | 2814 | 0 | -6.3 | 0.0 | 0 | -16 | -23.5 | 0.0 | 0.0 | -.2 | -.2 |
| 9TH | 161.75 | -5.9 | 0.0 | 952 | 0 | -6.2 | 0.0 | 0 | -7 | -5.9 | 0.0 | 0.0 | -.0 | -.0 |
| TOP | 167.00 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

TABLE 7. SHEAR AND MOMENT DIAGRAMS :
WIND DIRECTION 210

ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A
REFERENCE PRESSURE 21.0 PSF

GUST FACTOR 1.30

| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
|-------|--------|--------------|-----|--------------|---|----------------|-----|------------|------|--------------|-----|-----------------------|-----|-----|
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | 15.4 | 0.0 | 952 | 0 | 16.2 | 0.0 | 0 | -43 | 122.2 | 0.0 | 0.0 | 4.1 | 6.4 |
| 2ND | 5.25 | 44.8 | 0.0 | 2814 | 0 | 15.9 | 0.0 | 0 | -32 | 106.8 | 0.0 | 0.0 | 3.5 | 5.8 |
| 3RD | 20.83 | 47.7 | 0.0 | 3981 | 0 | 12.0 | 0.0 | 0 | -20 | 61.9 | 0.0 | 0.0 | 2.2 | 4.3 |
| 4TH | 45.83 | 13.8 | 0.0 | 3994 | 0 | 3.5 | 0.0 | 0 | -50 | 14.3 | 0.0 | 0.0 | 1.2 | 3.4 |
| 5TH | 70.92 | .9 | 0.0 | 4008 | 0 | .2 | 0.0 | 0 | -891 | .4 | 0.0 | 0.0 | 1.1 | 2.7 |
| 6TH | 96.08 | -20.4 | 0.0 | 3994 | 0 | -5.1 | 0.0 | 0 | 19 | -1.5 | 0.0 | 0.0 | 1.1 | 1.9 |
| 7TH | 121.17 | -3.6 | 0.0 | 3981 | 0 | -1.9 | 0.0 | 0 | 192 | 19.9 | 0.0 | 0.0 | .8 | 1.5 |
| 8TH | 146.17 | 14.9 | 0.0 | 2814 | 0 | 5.3 | 0.0 | 0 | -39 | 23.6 | 0.0 | 0.0 | .3 | .8 |
| 9TH | 161.75 | 8.7 | 0.0 | 952 | 0 | 9.1 | 0.0 | 0 | -26 | 8.7 | 0.0 | 0.0 | .0 | .2 |
| TOP | 167.00 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS I ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | | | | | | | | |
|---|--------|-----------------|-----|--------------|---|----------------|-----|------------|-----------------------------|--------------|-----|-----------------------|------------------|------|
| WIND DIRECTION 225 | | CONFIGURATION A | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | | GUST FACTOR 1.30 | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | | | | | | | | | 44.6 | 0.0 | 0.0 | 3.9 | 11.2 |
| 2ND | 5.25 | 9.3 | 0.0 | 952 | 0 | 9.7 | 0.0 | 0 | -78 | 35.3 | 0.0 | 0.0 | 3.7 | 10.5 |
| 3RD | 20.83 | 29.5 | 0.0 | 2814 | 0 | 10.5 | 0.0 | 0 | -71 | 5.9 | 0.0 | 0.0 | 3.4 | 8.4 |
| 4TH | 45.83 | 18.1 | 0.0 | 3981 | 0 | 4.6 | 0.0 | 0 | -92 | -12.3 | 0.0 | 0.0 | 3.5 | 6.7 |
| 5TH | 70.92 | -28.9 | 0.0 | 3994 | 0 | -7.2 | 0.0 | 0 | 37 | 16.7 | 0.0 | 0.0 | 3.4 | 5.7 |
| 6TH | 96.08 | -13.7 | 0.0 | 4008 | 0 | -3.4 | 0.0 | 0 | 134 | 30.4 | 0.0 | 0.0 | 2.8 | 3.8 |
| 7TH | 121.17 | -26.4 | 0.0 | 3994 | 0 | -6.6 | 0.0 | 0 | 49 | 56.8 | 0.0 | 0.0 | 1.7 | 2.5 |
| 8TH | 146.17 | 12.8 | 0.0 | 3981 | 0 | 3.2 | 0.0 | 0 | -119 | 44.0 | 0.0 | 0.0 | .5 | 1.0 |
| 9TH | 161.75 | 30.0 | 0.0 | 2814 | 0 | 10.7 | 0.0 | 0 | -27 | 14.0 | 0.0 | 0.0 | .0 | .2 |
| TOP | 167.00 | 14.0 | 0.0 | 952 | 0 | 14.7 | 0.0 | 0 | -16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

TABLE 7. SHEAR AND MOMENT DIAGRAMS :
WIND DIRECTION 240

ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A
REFERENCE PRESSURE 21.0 PSF

GUST FACTOR 1.30

| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
|-------|--------|--------------|-----|--------------|---|----------------|-----|------------|------|--------------|-----|-----------------------|-------|------|
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | 1.9 | 0.0 | 952 | 0 | 2.0 | 0.0 | 0 | -389 | -168.7 | 0.0 | 0.0 | -10.7 | 13.4 |
| 2ND | 5.25 | -3 | 0.0 | 2814 | 0 | -1 | 0.0 | 0 | 6630 | -170.6 | 0.0 | 0.0 | -9.8 | 12.6 |
| 3RD | 20.83 | -30.8 | 0.0 | 3981 | 0 | -7.7 | 0.0 | 0 | 64 | -170.3 | 0.0 | 0.0 | -7.2 | 10.8 |
| 4TH | 43.83 | -69.8 | 0.0 | 3994 | 0 | -17.5 | 0.0 | 0 | 30 | -139.6 | 0.0 | 0.0 | -3.3 | 8.8 |
| 5TH | 70.92 | -40.4 | 0.0 | 4008 | 0 | -10.1 | 0.0 | 0 | 69 | -69.8 | 0.0 | 0.0 | -1.7 | 6.7 |
| 6TH | 96.08 | -44.1 | 0.0 | 3994 | 0 | -11.0 | 0.0 | 0 | 49 | -29.4 | 0.0 | 0.0 | .6 | 3.9 |
| 7TH | 121.17 | -9.0 | 0.0 | 3981 | 0 | -2.3 | 0.0 | 0 | 152 | 14.7 | 0.0 | 0.0 | .8 | 1.7 |
| 8TH | 146.17 | 14.3 | 0.0 | 2814 | 0 | 5.1 | 0.0 | 0 | -28 | 23.7 | 0.0 | 0.0 | .3 | .4 |
| 9TH | 161.75 | 9.4 | 0.0 | 952 | 0 | 9.9 | 0.0 | 0 | 3 | 9.4 | 0.0 | 0.0 | .0 | -.0 |
| TOP | 167.00 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | | | | COST FACTOR 1.30 | | | |
|--------------------------------------|--------|--|-----|--------------|---|----------------|-----|------------|------|--------------|-----|-----------------------------|------|------|--|
| WIND DIRECTION 295 | | CONFIGURATION A | | | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z | |
| 1ST | 0.00 | | | | | | | | | | | | | | |
| | | 2.3 | 0.0 | 952 | 0 | 2.4 | 0.0 | 0 | -303 | -153.3 | 0.0 | 0.0 | -0.4 | 16.9 | |
| 2ND | 5.25 | | | | | | | | | | | | | | |
| | | -6.7 | 0.0 | 2814 | 0 | -2.4 | 0.0 | 0 | 275 | -157.6 | 0.0 | 0.0 | -7.6 | 16.2 | |
| 3RD | 20.83 | | | | | | | | | | | | | | |
| | | -52.5 | 0.0 | 3981 | 0 | -13.2 | 0.0 | 0 | 55 | -130.9 | 0.0 | 0.0 | -5.2 | 14.4 | |
| 4TH | 45.83 | | | | | | | | | | | | | | |
| | | -53.5 | 0.0 | 3994 | 0 | -13.4 | 0.0 | 0 | 63 | -98.5 | 0.0 | 0.0 | -2.1 | 11.5 | |
| 5TH | 70.92 | | | | | | | | | | | | | | |
| | | -24.0 | 0.0 | 4008 | 0 | -6.0 | 0.0 | 0 | 158 | -45.0 | 0.0 | 0.0 | -.3 | 8.1 | |
| 6TH | 96.08 | | | | | | | | | | | | | | |
| | | -33.6 | 0.0 | 3994 | 0 | -8.4 | 0.0 | 0 | 72 | -21.0 | 0.0 | 0.0 | .5 | 4.3 | |
| 7TH | 121.17 | | | | | | | | | | | | | | |
| | | -6.9 | 0.0 | 3981 | 0 | -1.7 | 0.0 | 0 | 195 | 12.6 | 0.0 | 0.0 | .6 | 1.9 | |
| 8TH | 146.17 | | | | | | | | | | | | | | |
| | | 11.5 | 0.0 | 2814 | 0 | 4.1 | 0.0 | 0 | -40 | 19.6 | 0.0 | 0.0 | .2 | .5 | |
| 9TH | 161.75 | | | | | | | | | | | | | | |
| | | 8.1 | 0.0 | 952 | 0 | 8.5 | 0.0 | 0 | -9 | 8.1 | 0.0 | 0.0 | .0 | .1 | |
| TOP | 167.00 | | | | | | | | | | | | | | |
| | | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | | | | | | | | |
|---|--------|-----------------|-----|--------------|---|----------------|-----|------------|-----|------------------|-----|-----------------------|------|-----|
| WIND DIRECTION 270 | | CONFIGURATION A | | | | | | | | GUST FACTOR 1.30 | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | | | | | | | | | 196.5 | 0.0 | 0.0 | 16.4 | 7.6 |
| 2ND | 5.25 | 8.4 | 0.0 | 952 | 0 | 8.8 | 0.0 | 0 | -34 | 188.1 | 0.0 | 0.0 | 13.4 | 7.3 |
| 3RD | 20.83 | 20.8 | 0.0 | 2814 | 0 | 7.4 | 0.0 | 0 | -39 | 167.3 | 0.0 | 0.0 | 12.6 | 6.5 |
| 4TH | 45.83 | 28.6 | 0.0 | 3981 | 0 | 7.2 | 0.0 | 0 | -36 | 138.7 | 0.0 | 0.0 | 8.8 | 5.5 |
| 5TH | 70.92 | 25.3 | 0.0 | 3994 | 0 | 6.3 | 0.0 | 0 | -44 | 113.4 | 0.0 | 0.0 | 5.6 | 4.4 |
| 6TH | 96.08 | 30.3 | 0.0 | 4008 | 0 | 7.6 | 0.0 | 0 | -37 | 83.1 | 0.0 | 0.0 | 3.2 | 3.2 |
| 7TH | 121.17 | 25.3 | 0.0 | 3994 | 0 | 6.3 | 0.0 | 0 | -44 | 37.8 | 0.0 | 0.0 | 1.4 | 2.1 |
| 8TH | 146.17 | 28.6 | 0.0 | 3981 | 0 | 7.2 | 0.0 | 0 | -36 | 29.2 | 0.0 | 0.0 | .3 | 1.1 |
| 9TH | 161.75 | 20.8 | 0.0 | 2814 | 0 | 7.4 | 0.0 | 0 | -39 | 8.4 | 0.0 | 0.0 | .0 | .3 |
| TOP | 167.00 | 8.4 | 0.0 | 952 | 0 | 8.8 | 0.0 | 0 | -34 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | | GUST FACTOR 1.30 | | | | |
|--------------------------------------|--------|--|-----|--------------|---|-----------------------------|-----|------------|------|------------------|-----|-----------------------|-------|------|
| WIND DIRECTION 285 | | CONFIGURATION A | | | | REFERENCE PRESSURE 21.0 PSF | | | | | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | | | | | | | | | -147.0 | 0.0 | 0.0 | -16.8 | 16.2 |
| 2ND | 5.25 | 8.1 | 0.0 | 952 | 0 | 8.5 | 0.0 | 0 | -9 | -135.1 | 0.0 | 0.0 | -16.0 | 16.2 |
| 3RD | 20.83 | 11.5 | 0.0 | 2814 | 0 | 4.1 | 0.0 | 0 | -40 | -166.6 | 0.0 | 0.0 | -13.3 | 13.7 |
| 4TH | 43.83 | -6.9 | 0.0 | 3981 | 0 | -1.7 | 0.0 | 0 | 196 | -159.7 | 0.0 | 0.0 | -9.4 | 14.4 |
| 5TH | 70.92 | -33.6 | 0.0 | 3994 | 0 | -8.4 | 0.0 | 0 | 72 | -126.0 | 0.0 | 0.0 | -5.8 | 11.9 |
| 6TH | 96.08 | -15.7 | 0.0 | 4000 | 0 | -3.9 | 0.0 | 0 | 199 | -110.4 | 0.0 | 0.0 | -2.9 | 8.8 |
| 7TH | 121.17 | -53.5 | 0.0 | 3994 | 0 | -13.4 | 0.0 | 0 | 62 | -56.9 | 0.0 | 0.0 | -.8 | 5.4 |
| 8TH | 146.17 | -52.5 | 0.0 | 3981 | 0 | -13.2 | 0.0 | 0 | 55 | -4.4 | 0.0 | 0.0 | -.0 | 2.5 |
| 9TH | 161.75 | -6.7 | 0.0 | 2814 | 0 | -2.4 | 0.0 | 0 | 275 | 2.3 | 0.0 | 0.0 | .0 | .7 |
| TOP | 167.00 | 2.3 | 0.0 | 952 | 0 | 2.4 | 0.0 | 0 | -303 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

TABLE 7. SHEAR AND MOMENT DIAGRAMS :
WIND DIRECTION 300

ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A
REFERENCE PRESSURE 21.0 PSF

GUST FACTOR 1.30

| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
|-------|--------|--------------|-----|--------------|---|----------------|-----|------------|------|--------------|-----|-----------------------|-------|------|
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | 9.4 | 0.0 | 952 | 0 | 9.9 | 0.0 | 0 | 3 | -167.1 | 0.0 | 0.0 | -17.3 | 13.4 |
| 2ND | 5.25 | 14.3 | 0.0 | 2814 | 0 | 5.1 | 0.0 | 0 | -28 | -176.5 | 0.0 | 0.0 | -16.4 | 13.5 |
| 3RD | 20.83 | -9.0 | 0.0 | 3981 | 0 | -2.3 | 0.0 | 0 | 152 | -190.8 | 0.0 | 0.0 | -13.6 | 13.1 |
| 4TH | 43.83 | -44.1 | 0.0 | 3994 | 0 | -11.0 | 0.0 | 0 | 50 | -181.7 | 0.0 | 0.0 | -8.9 | 11.7 |
| 5TH | 70.92 | -38.8 | 0.0 | 4008 | 0 | -9.7 | 0.0 | 0 | 73 | -137.6 | 0.0 | 0.0 | -4.9 | 9.5 |
| 6TH | 96.08 | -69.8 | 0.0 | 3994 | 0 | -17.5 | 0.0 | 0 | 30 | -98.9 | 0.0 | 0.0 | -1.9 | 6.7 |
| 7TH | 121.17 | -30.8 | 0.0 | 3981 | 0 | -7.7 | 0.0 | 0 | 64 | -29.1 | 0.0 | 0.0 | -.3 | 4.6 |
| 8TH | 146.17 | -.3 | 0.0 | 2814 | 0 | -.1 | 0.0 | 0 | 6608 | 1.7 | 0.0 | 0.0 | .0 | 2.6 |
| 9TH | 161.75 | 1.9 | 0.0 | 952 | 0 | 2.0 | 0.0 | 0 | -389 | 1.9 | 0.0 | 0.0 | .0 | .8 |
| TGP | 167.00 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | | | | GUST FACTOR 1.30 | | |
|--------------------------------------|--------|--|-----|--------------|---|----------------|-----|------------|------|--------------|-----|-----------------------------|-----|------|
| WIND DIRECTION 315 | | CONFIGURATION A | | | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | 14.0 | 0.0 | 952 | 0 | 14.7 | 0.0 | 0 | -16 | 41.4 | 0.0 | 0.0 | 3.2 | 11.2 |
| 2ND | 5.25 | 30.0 | 0.0 | 2814 | 0 | 10.7 | 0.0 | 0 | -27 | 27.3 | 0.0 | 0.0 | 3.1 | 11.0 |
| 3RD | 20.83 | 12.0 | 0.0 | 3981 | 0 | 3.2 | 0.0 | 0 | -119 | -2.7 | 0.0 | 0.0 | 2.9 | 10.2 |
| 4TH | 45.83 | -26.4 | 0.0 | 3994 | 0 | -6.6 | 0.0 | 0 | 49 | -15.4 | 0.0 | 0.0 | 3.1 | 8.6 |
| 5TH | 70.92 | -16.9 | 0.0 | 4000 | 0 | -4.2 | 0.0 | 0 | 107 | 11.0 | 0.0 | 0.0 | 3.1 | 7.3 |
| 6TH | 96.00 | -29.0 | 0.0 | 3994 | 0 | -7.2 | 0.0 | 0 | 37 | 27.9 | 0.0 | 0.0 | 2.7 | 5.5 |
| 7TH | 121.17 | 18.1 | 0.0 | 3981 | 0 | 4.6 | 0.0 | 0 | -92 | 56.8 | 0.0 | 0.0 | 1.6 | 4.3 |
| 8TH | 146.17 | 29.5 | 0.0 | 2814 | 0 | 10.5 | 0.0 | 0 | -71 | 38.7 | 0.0 | 0.0 | .4 | 2.8 |
| 9TH | 161.75 | 9.3 | 0.0 | 952 | 0 | 9.7 | 0.0 | 0 | -78 | 9.3 | 0.0 | 0.0 | .0 | .7 |
| TOP | 167.00 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS 1 | | | | | | | | | | | | | | |
|--------------------------------------|--------|--|-----|--------------|---|----------------|-----|-----------------------------|-----|--------------|-----|-----------------------|------|-----|
| WIND DIRECTION 330 | | ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | REFERENCE PRESSURE 21.0 PSF | | | | GUST FACTOR 1.30 | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | | | | | | | | | 117.6 | 0.0 | 0.0 | 15.9 | 6.4 |
| 2ND | 5.25 | 8.7 | 0.0 | 952 | 0 | 9.1 | 0.0 | 0 | -26 | 108.9 | 0.0 | 0.0 | 15.3 | 6.2 |
| 3RD | 20.83 | 14.9 | 0.0 | 2814 | 0 | 5.3 | 0.0 | 0 | -39 | 94.0 | 0.0 | 0.0 | 13.7 | 5.6 |
| 4TH | 45.83 | -3.6 | 0.0 | 3981 | 0 | -9 | 0.0 | 0 | 192 | 97.7 | 0.0 | 0.0 | 11.3 | 4.9 |
| 5TH | 70.92 | -20.4 | 0.0 | 3994 | 0 | -5.1 | 0.0 | 0 | 19 | 110.1 | 0.0 | 0.0 | 8.6 | 4.5 |
| 6TH | 96.08 | -3.7 | 0.0 | 4008 | 0 | -9 | 0.0 | 0 | 220 | 121.8 | 0.0 | 0.0 | 5.6 | 3.7 |
| 7TH | 121.17 | 13.8 | 0.0 | 3994 | 0 | 3.5 | 0.0 | 0 | -50 | 107.9 | 0.0 | 0.0 | 2.7 | 3.0 |
| 8TH | 146.17 | 47.7 | 0.0 | 3981 | 0 | 12.0 | 0.0 | 0 | -20 | 60.3 | 0.0 | 0.0 | .6 | 2.1 |
| 9TH | 161.75 | 44.8 | 0.0 | 2814 | 0 | 15.9 | 0.0 | 0 | -32 | 15.4 | 0.0 | 0.0 | .0 | .7 |
| TOP | 167.00 | 15.4 | 0.0 | 952 | 0 | 16.2 | 0.0 | 0 | -43 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAM 1 | | ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | | | | GUST FACTOR 1.30 | | |
|-------------------------------------|--------|--|-----|--------------|---|----------------|-----|------------|-----|--------------|-----|-----------------------------|------|-----|
| WIND DIRECTION 345 | | CONFIGURATION A | | | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | | | | | | | | | 74.8 | 0.0 | 0.0 | 17.3 | 1.4 |
| 2ND | 5.25 | -5.9 | 0.0 | 952 | 0 | -6.2 | 0.0 | 0 | -7 | 80.7 | 0.0 | 0.0 | 17.1 | 1.4 |
| 3RD | 20.83 | -17.6 | 0.0 | 2814 | 0 | -6.3 | 0.0 | 0 | -10 | 98.3 | 0.0 | 0.0 | 15.7 | 1.6 |
| 4TH | 45.83 | -29.6 | 0.0 | 3981 | 0 | -7.4 | 0.0 | 0 | -10 | 127.9 | 0.0 | 0.0 | 12.9 | 2.1 |
| 5TH | 70.92 | -10.0 | 0.0 | 3994 | 0 | -4.7 | 0.0 | 0 | -13 | 146.7 | 0.0 | 0.0 | 9.3 | 2.4 |
| 6TH | 96.08 | 4.3 | 0.0 | 4008 | 0 | 1.1 | 0.0 | 0 | -32 | 142.3 | 0.0 | 0.0 | 3.8 | 2.3 |
| 7TH | 121.17 | 32.1 | 0.0 | 3994 | 0 | 8.0 | 0.0 | 0 | -10 | 110.3 | 0.0 | 0.0 | 2.6 | 2.0 |
| 8TH | 146.17 | 54.9 | 0.0 | 3981 | 0 | 13.8 | 0.0 | 0 | -14 | 33.5 | 0.0 | 0.0 | .6 | 1.2 |
| 9TH | 161.75 | 42.0 | 0.0 | 2814 | 0 | 14.9 | 0.0 | 0 | -19 | 13.4 | 0.0 | 0.0 | .0 | .4 |
| TDP | 167.00 | 13.4 | 0.0 | 952 | 0 | 14.1 | 0.0 | 0 | -31 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

TABLE 7. ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A
 PROJECT 6082 CONFIGURATION A
 SCALE = 100 REF. PRESSURE = 21.0
 GUST FACTOR = 1.30 STANDARD FLOOR HEIGHT = 25.00
 NUMBER OF SIDES = 2 NO. OF FLOORS = 9

| SIDE | ANGLE | Z-AXIS |
|------|-------|--------|
| 1 | 0.0 | 10.875 |
| 2 | 180.0 | 10.875 |

| FLOOR # | LABEL | HEIGHT-FT |
|---------|-------|-----------|
| 1 | 1ST | 5.25 |
| 2 | 2ND | 15.58 |
| 3 | 3RD | 25.00 |
| 4 | 4TH | 25.08 |
| 5 | 5TH | 25.17 |
| 6 | 6TH | 25.08 |
| 7 | 7TH | 25.00 |
| 8 | 8TH | 15.58 |
| 9 | 9TH | 5.25 |

TABLE 7. BASE SHEAR AND MOMENT SUMMARY : SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A
 CONFIGURATION A REFERENCE PRESSURE 21.0 GUST FACTOR 1.30

| AZIMUTH | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | | ECCEN (FT) | |
|---------|--------------|-----|-----------------------|--------|-------|------------|-----|
| | X | Y | X | Y | Z | X | Y |
| 0 | -483.3 | 0.0 | 0.0 | -52.8 | 1.5 | 0 | 3 |
| 15 | -174.5 | 0.0 | 0.0 | -15.9 | -13.3 | 0 | -20 |
| 30 | 687.4 | 0.0 | 0.0 | 82.8 | -12.8 | 0 | 11 |
| 45 | 1171.2 | 0.0 | 0.0 | 137.8 | -7.8 | 0 | 7 |
| 60 | 1177.1 | 0.0 | 0.0 | 143.4 | -8.3 | 0 | 7 |
| 75 | 1236.7 | 0.0 | 0.0 | 128.5 | -20.8 | 0 | 19 |
| 90 | 1080.7 | 0.0 | 0.0 | 39.9 | -1.7 | 0 | 3 |
| 105 | 281.9 | 0.0 | 0.0 | -48.7 | 16.9 | 0 | 33 |
| 120 | -517.3 | 0.0 | 0.0 | -93.5 | 18.0 | 0 | 20 |
| 135 | -908.8 | 0.0 | 0.0 | -131.2 | 15.7 | 0 | 13 |
| 150 | -1193.7 | 0.0 | 0.0 | -158.7 | 11.0 | 0 | 8 |
| 165 | -1418.3 | 0.0 | 0.0 | -184.7 | 4.8 | 0 | 3 |
| 180 | -1646.1 | 0.0 | 0.0 | -167.0 | -3.1 | 0 | -2 |
| 195 | -1489.3 | 0.0 | 0.0 | -155.3 | -6.4 | 0 | -5 |
| 210 | -1408.4 | 0.0 | 0.0 | -144.2 | -9.3 | 0 | -8 |
| 225 | -1326.3 | 0.0 | 0.0 | -123.8 | -1.4 | 0 | -1 |
| 240 | -1149.7 | 0.0 | 0.0 | -68.3 | 13.3 | 0 | -5 |
| 255 | -647.6 | 0.0 | 0.0 | 28.0 | 6.3 | 0 | -1 |
| 270 | 253.2 | 0.0 | 0.0 | 59.6 | 2.8 | 0 | -1 |
| 285 | 580.6 | 0.0 | 0.0 | 64.7 | 8.8 | 0 | -4 |
| 300 | 632.9 | 0.0 | 0.0 | 72.1 | 10.3 | 0 | -12 |
| 315 | 715.1 | 0.0 | 0.0 | 44.4 | 1.3 | 0 | -24 |
| 330 | 443.3 | 0.0 | 0.0 | -22.5 | 1.3 | 0 | 6 |
| 345 | -202.1 | 0.0 | 0.0 | | | 0 | |

| TABLE 7. SHEAR AND MOMENT DIAGRAM 1 | | SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | | GUST FACTOR 1.30 | | | | |
|-------------------------------------|--------|--|-----|--------------|---|-----------------------------|-----|------------|----|------------------|-----|-----------------------|-------|-----|
| WIND DIRECTION 0 | | CONFIGURATION A | | | | REFERENCE PRESSURE 21.0 PSF | | | | | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | | | | | | | | | -483.3 | 0.0 | 0.0 | -52.8 | 1.5 |
| 2ND | 17.50 | -39.3 | 0.0 | 2921 | 0 | -13.5 | 0.0 | 0 | 10 | -444.0 | 0.0 | 0.0 | -44.7 | 1.1 |
| 3RD | 40.00 | -51.5 | 0.0 | 3801 | 0 | -13.5 | 0.0 | 0 | 7 | -392.5 | 0.0 | 0.0 | -35.3 | .8 |
| 4TH | 75.00 | -81.0 | 0.0 | 6015 | 0 | -13.5 | 0.0 | 0 | 8 | -311.5 | 0.0 | 0.0 | -23.0 | .2 |
| 5TH | 125.00 | -108.5 | 0.0 | 8808 | 0 | -12.3 | 0.0 | 0 | 4 | -203.0 | 0.0 | 0.0 | -10.1 | -.2 |
| 6TH | 175.00 | -102.6 | 0.0 | 9031 | 0 | -11.4 | 0.0 | 0 | -0 | -100.3 | 0.0 | 0.0 | -2.5 | -.2 |
| 7TH | 208.75 | -72.3 | 0.0 | 6117 | 0 | -11.8 | 0.0 | 0 | 0 | -28.1 | 0.0 | 0.0 | -.3 | -.2 |
| TOP | 233.50 | -28.1 | 0.0 | 2325 | 0 | -12.1 | 0.0 | 0 | -8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS 1 | | SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | GUST FACTOR 1.30 | | | | | | |
|--------------------------------------|--------|--|-----|--------------|---|----------------|-----|-----------------------------|-----|--------------|-----|-----------------------|-------|-----|
| WIND DIRECTION 15 | | CONFIGURATION A | | | | | | REFERENCE PRESSURE 21.0 PSF | | | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | | | | | | | | | -174.5 | 0.0 | 0.0 | -13.9 | -.3 |
| 2ND | 17.50 | -18.6 | 0.0 | 2921 | 0 | -6.4 | 0.0 | 0 | -2 | -155.9 | 0.0 | 0.0 | -13.0 | -.3 |
| 3RD | 40.00 | -24.7 | 0.0 | 3801 | 0 | -6.5 | 0.0 | 0 | -3 | -131.2 | 0.0 | 0.0 | -9.8 | -.2 |
| 4TH | 75.00 | -35.6 | 0.0 | 4615 | 0 | -5.9 | 0.0 | 0 | 0 | -95.6 | 0.0 | 0.0 | -5.8 | -.2 |
| 5TH | 125.00 | -46.3 | 0.0 | 8008 | 0 | -5.3 | 0.0 | 0 | 1 | -49.3 | 0.0 | 0.0 | -2.2 | -.2 |
| 6TH | 175.00 | -29.0 | 0.0 | 9031 | 0 | -3.2 | 0.0 | 0 | -1 | -20.2 | 0.0 | 0.0 | -.4 | -.2 |
| 7TH | 208.75 | -16.6 | 0.0 | 6117 | 0 | -2.7 | 0.0 | 0 | -9 | -3.7 | 0.0 | 0.0 | -.0 | -.0 |
| TOP | 233.50 | -3.7 | 0.0 | 2325 | 0 | -1.6 | 0.0 | 0 | -13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS 1 | | | | | | | | | | | | | | |
|--------------------------------------|--------|--|-----|-----------------------------|---|----------------|-----|------------|----|------------------|-----|-----------------------|------|-------|
| WIND DIRECTION 30 | | SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | | GUST FACTOR 1.30 | | | | |
| | | CONFIGURATION A | | REFERENCE PRESSURE 21.0 PSF | | | | | | | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | 46.1 | 0.0 | 2921 | 0 | 15.8 | 0.0 | 0 | 24 | 697.4 | 0.0 | 0.0 | 82.8 | -13.9 |
| 2ND | 17.50 | 60.3 | 0.0 | 3801 | 0 | 15.9 | 0.0 | 0 | 26 | 641.3 | 0.0 | 0.0 | 71.2 | -12.8 |
| 3RD | 40.00 | 95.0 | 0.0 | 6015 | 0 | 15.8 | 0.0 | 0 | 24 | 581.0 | 0.0 | 0.0 | 57.4 | -11.3 |
| 4TH | 75.00 | 140.3 | 0.0 | 8808 | 0 | 15.9 | 0.0 | 0 | 27 | 486.0 | 0.0 | 0.0 | 38.8 | -9.0 |
| 5TH | 125.00 | 162.4 | 0.0 | 9631 | 0 | 18.0 | 0.0 | 0 | 23 | 345.8 | 0.0 | 0.0 | 18.0 | -5.2 |
| 6TH | 175.00 | 127.5 | 0.0 | 6117 | 0 | 20.8 | 0.0 | 0 | 14 | 183.4 | 0.0 | 0.0 | 4.7 | -1.5 |
| 7TH | 206.75 | 55.9 | 0.0 | 2325 | 0 | 24.0 | 0.0 | 0 | -5 | 55.9 | 0.0 | 0.0 | .7 | .3 |
| TOP | 233.50 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | | | | | | | | | |
|---|--------|-----------------|-----|--------------|---|----------------|-----|------------|----|-----------------------------|-----|-----------------------|-------|------------------|--|
| WIND DIRECTION 45 | | CONFIGURATION A | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | | GUST FACTOR 1.30 | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z | |
| 1ST | 0.00 | | | | | | | | | 1171.2 | 0.0 | 0.0 | 138.9 | -12.8 | |
| 2ND | 17.50 | 74.7 | 0.0 | 2921 | 0 | 25.6 | 0.0 | 0 | 16 | 1096.3 | 0.0 | 0.0 | 119.1 | -11.6 | |
| 3RD | 40.00 | 98.1 | 0.0 | 3801 | 0 | 25.8 | 0.0 | 0 | 16 | 998.4 | 0.0 | 0.0 | 95.5 | -10.0 | |
| 4TH | 75.00 | 168.9 | 0.0 | 6015 | 0 | 28.1 | 0.0 | 0 | 13 | 829.9 | 0.0 | 0.0 | 63.9 | -7.4 | |
| 5TH | 125.00 | 262.2 | 0.0 | 8808 | 0 | 29.8 | 0.0 | 0 | 13 | 567.3 | 0.0 | 0.0 | 28.6 | -3.5 | |
| 6TH | 175.00 | 289.5 | 0.0 | 9031 | 0 | 31.1 | 0.0 | 0 | 11 | 286.8 | 0.0 | 0.0 | 7.3 | -1.4 | |
| 7TH | 208.75 | 293.6 | 0.0 | 6117 | 0 | 33.3 | 0.0 | 0 | 6 | 83.2 | 0.0 | 0.0 | 1.0 | .8 | |
| TOP | 233.50 | 83.2 | 0.0 | 2325 | 0 | 35.8 | 0.0 | 0 | -9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | | | | | | | | | |
|---|--------|-----------------|-----|--------------|---|----------------|-----|------------|-----|-----------------------------|-----|-----------------------|-------|------|--|
| WIND DIRECTION 60 | | CONFIGURATION A | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | GUST FACTOR 1.30 | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z | |
| 1ST | 0.00 | | | | | | | | | 1177.1 | 0.0 | 0.0 | 137.8 | -7.8 | |
| 2ND | 17.50 | 81.3 | 0.0 | 2921 | 0 | 27.8 | 0.0 | 0 | 11 | 1093.8 | 0.0 | 0.0 | 117.9 | -6.9 | |
| 3RD | 40.00 | 105.0 | 0.0 | 3801 | 0 | 27.6 | 0.0 | 0 | 10 | 990.8 | 0.0 | 0.0 | 94.4 | -5.8 | |
| 4TH | 73.00 | 171.8 | 0.0 | 6015 | 0 | 28.6 | 0.0 | 0 | 10 | 819.0 | 0.0 | 0.0 | 62.8 | -4.2 | |
| 5TH | 125.00 | 237.2 | 0.0 | 8808 | 0 | 29.2 | 0.0 | 0 | 10 | 561.9 | 0.0 | 0.0 | 28.2 | -1.6 | |
| 6TH | 175.00 | 280.7 | 0.0 | 9031 | 0 | 31.1 | 0.0 | 0 | 8 | 281.1 | 0.0 | 0.0 | 7.2 | .3 | |
| 7TH | 208.75 | 198.6 | 0.0 | 6117 | 0 | 32.3 | 0.0 | 0 | 3 | 82.3 | 0.0 | 0.0 | 1.0 | 1.0 | |
| TOP | 233.50 | 82.5 | 0.0 | 2325 | 0 | 35.5 | 0.0 | 0 | -13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | | | | | | | | |
|---|--------|-----------------|-----|--------------|---|----------------|-----|------------|-----|--------------|-----|-----------------------|-------|------|
| WIND DIRECTION 75 | | CONFIGURATION A | | | | | | | | | | GUST FACTOR 1.30 | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | 84.1 | 0.0 | 2921 | 0 | 28.8 | 0.0 | 0 | 12 | 1236.7 | 0.0 | 0.0 | 145.4 | -8.3 |
| 2ND | 17.50 | 111.3 | 0.0 | 3001 | 0 | 29.3 | 0.0 | 0 | 12 | 1152.6 | 0.0 | 0.0 | 124.5 | -7.3 |
| 3RD | 40.00 | 182.2 | 0.0 | 6015 | 0 | 30.3 | 0.0 | 0 | 10 | 1041.3 | 0.0 | 0.0 | 99.8 | -6.0 |
| 4TH | 75.00 | 265.8 | 0.0 | 8808 | 0 | 30.2 | 0.0 | 0 | 9 | 859.1 | 0.0 | 0.0 | 66.6 | -4.2 |
| 5TH | 125.00 | 287.1 | 0.0 | 9031 | 0 | 31.8 | 0.0 | 0 | 7 | 593.4 | 0.0 | 0.0 | 30.3 | -1.8 |
| 6TH | 175.00 | 216.6 | 0.0 | 6117 | 0 | 35.4 | 0.0 | 0 | 3 | 306.2 | 0.0 | 0.0 | 7.8 | .2 |
| 7TH | 208.75 | 89.6 | 0.0 | 2325 | 0 | 38.6 | 0.0 | 0 | -10 | 89.6 | 0.0 | 0.0 | 1.1 | .9 |
| TOP | 233.50 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | | | | GUST FACTOR 1.30 | | |
|--------------------------------------|--------|--|-----|--------------|---|----------------|-----|------------|----|--------------|-----|-----------------------------|-------|-------|
| WIND DIRECTION 90 | | CONFIGURATION A | | | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | 69.6 | 0.0 | 2921 | 0 | 23.8 | 0.0 | 0 | 25 | 1080.7 | 0.0 | 0.0 | 128.5 | -20.8 |
| 2ND | 17.50 | 93.5 | 0.0 | 3801 | 0 | 24.6 | 0.0 | 0 | 25 | 1011.1 | 0.0 | 0.0 | 110.2 | -19.0 |
| 3RD | 40.00 | 155.9 | 0.0 | 6015 | 0 | 25.9 | 0.0 | 0 | 23 | 917.6 | 0.0 | 0.0 | 88.5 | -16.7 |
| 4TH | 75.00 | 234.3 | 0.0 | 8808 | 0 | 26.6 | 0.0 | 0 | 22 | 761.7 | 0.0 | 0.0 | 59.1 | -13.1 |
| 5TH | 125.00 | 257.8 | 0.0 | 9631 | 0 | 28.5 | 0.0 | 0 | 19 | 527.4 | 0.0 | 0.0 | 26.8 | -8.0 |
| 6TH | 175.00 | 188.4 | 0.0 | 6117 | 0 | 30.8 | 0.0 | 0 | 16 | 269.5 | 0.0 | 0.0 | 6.9 | -3.2 |
| 7TH | 208.75 | 91.1 | 0.0 | 2325 | 0 | 34.9 | 0.0 | 0 | 2 | 81.1 | 0.0 | 0.0 | 1.0 | -1.2 |
| TOP | 233.50 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

TABLE 7. SHEAR AND MOMENT DIAGRAMS :
WIND DIRECTION 105

SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A
REFERENCE PRESSURE 21.0 PSF

GUST FACTOR 1.30

| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
|-------|--------|--------------|-----|--------------|---|----------------|-----|------------|-----|--------------|-----|-----------------------|------|------|
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | | | | | | | | | 281.9 | 0.0 | 0.0 | 39.9 | -1.7 |
| 2ND | 17.50 | 10.8 | 0.0 | 2921 | 0 | 3.7 | 0.0 | 0 | 0 | 271.1 | 0.0 | 0.0 | 35.0 | -1.7 |
| 3RD | 40.00 | 15.9 | 0.0 | 3801 | 0 | 4.2 | 0.0 | 0 | 10 | 255.2 | 0.0 | 0.0 | 29.1 | -1.6 |
| 4TH | 75.00 | 28.4 | 0.0 | 6015 | 0 | 4.7 | 0.0 | 0 | 13 | 226.7 | 0.0 | 0.0 | 20.7 | -1.2 |
| 5TH | 125.00 | 42.8 | 0.0 | 8808 | 0 | 4.9 | 0.0 | 0 | 14 | 183.9 | 0.0 | 0.0 | 10.4 | .4 |
| 6TH | 175.00 | 73.5 | 0.0 | 9031 | 0 | 8.1 | 0.0 | 0 | 2 | 110.4 | 0.0 | 0.0 | 3.0 | .5 |
| 7TH | 208.75 | 70.0 | 0.0 | 6117 | 0 | 11.4 | 0.0 | 0 | -1 | 40.4 | 0.0 | 0.0 | .5 | .5 |
| TOP | 233.50 | 40.4 | 0.0 | 2325 | 0 | 17.4 | 0.0 | 0 | -12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | | | | | | | | | | | | | |
|--|--------|--------------|-----|--------------|---|----------------|-----|------------|------|--------------|-----|-----------------------|-------|------|
| SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | | | | | | | | |
| WIND DIRECTION 120 | | | | | | | | | | | | | | |
| CONFIGURATION A | | | | | | | | | | | | | | |
| REFERENCE PRESSURE 21.0 PSF | | | | | | | | | | | | | | |
| GUST FACTOR 1.30 | | | | | | | | | | | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | -48.1 | 0.0 | 2921 | 0 | -16.5 | 0.0 | 0 | 24 | -517.3 | 0.0 | 0.0 | -48.7 | 16.9 |
| 2ND | 17.50 | -60.8 | 0.0 | 3801 | 0 | -16.0 | 0.0 | 0 | 23 | -469.2 | 0.0 | 0.0 | -40.1 | 15.7 |
| 3RD | 40.00 | -95.8 | 0.0 | 6015 | 0 | -15.9 | 0.0 | 0 | 23 | -408.3 | 0.0 | 0.0 | -30.2 | 14.3 |
| 4TH | 75.00 | -146.9 | 0.0 | 8808 | 0 | -16.7 | 0.0 | 0 | 21 | -312.6 | 0.0 | 0.0 | -17.6 | 12.2 |
| 5TH | 125.00 | -121.8 | 0.0 | 9631 | 0 | -13.5 | 0.0 | 0 | 35 | -165.7 | 0.0 | 0.0 | -5.7 | 9.1 |
| 6TH | 175.00 | -54.2 | 0.0 | 6117 | 0 | -8.9 | 0.0 | 0 | 63 | -43.8 | 0.0 | 0.0 | -4 | 4.8 |
| 7TH | 208.75 | 10.4 | 0.0 | 2325 | 0 | 4.3 | 0.0 | 0 | -133 | 10.4 | 0.0 | 0.0 | .1 | 1.4 |
| TOP | 233.50 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

TABLE 7. SHEAR AND MOMENT DIAGRAMS : SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A
 WIND DIRECTION 135 CONFIGURATION A REFERENCE PRESSURE 21.0 PSF

| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | GUST FACTOR 1.30 MOMENT (1000-FT-KIPS) | | |
|-------|--------|--------------|-----|--------------|---|----------------|-----|------------|----|--------------|-----|---|-------|------|
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | -73.8 | 0.0 | 2921 | 0 | -25.3 | 0.0 | 0 | 16 | -908.8 | 0.0 | 0.0 | -99.5 | 18.0 |
| 2ND | 17.50 | -93.0 | 0.0 | 3801 | 0 | -24.5 | 0.0 | 0 | 16 | -835.0 | 0.0 | 0.0 | -80.2 | 16.8 |
| 3RD | 40.00 | -149.9 | 0.0 | 6015 | 0 | -24.9 | 0.0 | 0 | 17 | -742.0 | 0.0 | 0.0 | -62.5 | 15.3 |
| 4TH | 75.00 | -229.4 | 0.0 | 8800 | 0 | -26.0 | 0.0 | 0 | 16 | -592.1 | 0.0 | 0.0 | -39.2 | 12.8 |
| 5TH | 125.00 | -222.5 | 0.0 | 9031 | 0 | -24.6 | 0.0 | 0 | 21 | -362.6 | 0.0 | 0.0 | -15.3 | 9.2 |
| 6TH | 175.00 | -128.2 | 0.0 | 6117 | 0 | -21.0 | 0.0 | 0 | 28 | -140.2 | 0.0 | 0.0 | -2.7 | 4.6 |
| 7TH | 208.75 | -12.0 | 0.0 | 2325 | 0 | -5.2 | 0.0 | 0 | 91 | -12.0 | 0.0 | 0.0 | -.1 | 1.1 |
| TOP | 233.50 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS | | | | | | | | | | | | | | |
|------------------------------------|--------|--|-----|--------------|---|----------------|-----|------------|----|------------------|-----|-----------------------|--------|------|
| WIND DIRECTION 150 | | SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | | GUST FACTOR 1.30 | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | | | | | | | | | -1193.7 | 0.0 | 0.0 | -131.2 | 15.7 |
| 2ND | 17.50 | -91.2 | 0.0 | 2921 | 0 | -31.2 | 0.0 | 0 | 13 | -1102.5 | 0.0 | 0.0 | -111.1 | 14.5 |
| 3RD | 40.00 | -113.9 | 0.0 | 3801 | 0 | -30.0 | 0.0 | 0 | 14 | -988.6 | 0.0 | 0.0 | -87.6 | 12.9 |
| 4TH | 75.00 | -183.7 | 0.0 | 6015 | 0 | -30.5 | 0.0 | 0 | 14 | -804.9 | 0.0 | 0.0 | -56.2 | 10.3 |
| 5TH | 125.00 | -290.0 | 0.0 | 8808 | 0 | -32.9 | 0.0 | 0 | 12 | -515.0 | 0.0 | 0.0 | -23.2 | 6.8 |
| 6TH | 175.00 | -293.2 | 0.0 | 9031 | 0 | -32.5 | 0.0 | 0 | 12 | -221.7 | 0.0 | 0.0 | -4.8 | 3.1 |
| 7TH | 208.75 | -188.6 | 0.0 | 6117 | 0 | -30.3 | 0.0 | 0 | 14 | -36.1 | 0.0 | 0.0 | -.4 | .5 |
| TOP | 233.50 | -36.1 | 0.0 | 2325 | 0 | -15.5 | 0.0 | 0 | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

TABLE 7. SHEAR AND MOMENT DIAGRAMS :
WIND DIRECTION 165

SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A
REFERENCE PRESSURE 21.0 PSF

GUST FACTOR 1.30

| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
|-------|--------|--------------|-----|--------------|---|----------------|-----|------------|----|--------------|-----|-----------------------|--------|------|
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | -105.2 | 0.0 | 2921 | 0 | -36.0 | 0.0 | 0 | 10 | -1418.3 | 0.0 | 0.0 | -158.7 | 11.0 |
| 2ND | 17.50 | -131.0 | 0.0 | 3801 | 0 | -34.5 | 0.0 | 0 | 10 | -1313.1 | 0.0 | 0.0 | -134.8 | 9.9 |
| 3RD | 40.00 | -216.2 | 0.0 | 6015 | 0 | -35.9 | 0.0 | 0 | 11 | -1182.0 | 0.0 | 0.0 | -106.8 | 8.6 |
| 4TH | 75.00 | -335.5 | 0.0 | 8808 | 0 | -38.1 | 0.0 | 0 | 9 | -965.9 | 0.0 | 0.0 | -69.2 | 6.2 |
| 5TH | 125.00 | -347.3 | 0.0 | 9631 | 0 | -38.5 | 0.0 | 0 | 7 | -636.4 | 0.0 | 0.0 | -29.3 | 3.3 |
| 6TH | 175.00 | -226.8 | 0.0 | 6117 | 0 | -37.1 | 0.0 | 0 | 5 | -283.1 | 0.0 | 0.0 | -6.4 | .9 |
| 7TH | 208.75 | -56.2 | 0.0 | 2325 | 0 | -24.2 | 0.0 | 0 | -3 | -56.2 | 0.0 | 0.0 | -.7 | -.3 |
| TBP | 233.50 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAM 1 | | | | | | | | | | | | | | |
|---|--------|--|-----|--------------|---|----------------|-----|-----------|-----|------------------|-----|-----------------------|--------|------|
| WIND DIRECTION 180 | | SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | | GUST FACTOR 1.30 | | | | |
| CONFIGURATION A REFERENCE PRESSURE 21.0 PSF | | | | | | | | | | | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FY-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | | | | | | | | | -1646.1 | 0.0 | 0.0 | -184.3 | 4.8 |
| 2ND | 17.50 | -122.9 | 0.0 | 2921 | 0 | -42.1 | 0.0 | 0 | 7 | -1523.2 | 0.0 | 0.0 | -156.5 | 3.9 |
| 3RD | 40.00 | -154.2 | 0.0 | 3801 | 0 | -40.6 | 0.0 | 0 | 7 | -1369.0 | 0.0 | 0.0 | -124.0 | 2.8 |
| 4TH | 75.00 | -251.6 | 0.0 | 6015 | 0 | -41.8 | 0.0 | 0 | 6 | -1117.4 | 0.0 | 0.0 | -80.5 | 1.3 |
| 5TH | 125.00 | -385.9 | 0.0 | 8808 | 0 | -43.8 | 0.0 | 0 | 3 | -731.5 | 0.0 | 0.0 | -34.3 | .0 |
| 6TH | 175.00 | -398.5 | 0.0 | 9031 | 0 | -44.1 | 0.0 | 0 | 2 | -333.0 | 0.0 | 0.0 | -7.6 | -1.6 |
| 6TH | 175.00 | -263.6 | 0.0 | 6117 | 0 | -43.1 | 0.0 | 0 | 1 | -69.4 | 0.0 | 0.0 | -1.9 | -1.8 |
| 7TH | 208.75 | -69.4 | 0.0 | 2325 | 0 | -29.8 | 0.0 | 0 | -11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TOP | 233.50 | | | | | | | | | | | | | |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | | GUST FACTOR 1.30 | | | | |
|--------------------------------------|--------|--|-----|--------------|---|----------------|-----|------------|-----|-----------------------------|-----|-----------------------|--------|------|
| WIND DIRECTION 195 | | CONFIGURATION A | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | -106.9 | 0.0 | 2921 | 0 | -36.6 | 0.0 | 0 | 3 | -1489.3 | 0.0 | 0.0 | -167.0 | -3.1 |
| 2ND | 17.50 | -138.7 | 0.0 | 3801 | 0 | -36.5 | 0.0 | 0 | 3 | -1382.4 | 0.0 | 0.0 | -141.8 | -3.5 |
| 3RD | 40.00 | -228.3 | 0.0 | 6015 | 0 | -38.0 | 0.0 | 0 | 1 | -1243.7 | 0.0 | 0.0 | -112.3 | -3.9 |
| 4TH | 75.00 | -352.1 | 0.0 | 8808 | 0 | -40.0 | 0.0 | 0 | -1 | -1015.4 | 0.0 | 0.0 | -72.8 | -4.2 |
| 5TH | 125.00 | -365.5 | 0.0 | 9031 | 0 | -40.5 | 0.0 | 0 | -4 | -663.3 | 0.0 | 0.0 | -30.8 | -3.8 |
| 6TH | 175.00 | -238.5 | 0.0 | 6117 | 0 | -39.0 | 0.0 | 0 | -3 | -297.8 | 0.0 | 0.0 | -6.8 | -2.3 |
| 7TH | 208.75 | -59.4 | 0.0 | 2325 | 0 | -25.5 | 0.0 | 0 | -18 | -59.4 | 0.0 | 0.0 | -.7 | -1.1 |
| TOP | 233.50 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | | | | | | | | | | | SOUTH SIDE, SKUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | |
|--------------------------------------|--------|-----------------|-----|--------------|---|----------------|-----|-----------------------------|-----|--------------|------------------|--|--------|------|
| WIND DIRECTION 210 | | CONFIGURATION A | | | | | | REFERENCE PRESSURE 21.0 PSF | | | GUST FACTOR 1.30 | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | | | | | | | | | -1408.4 | 0.0 | 0.0 | -155.3 | -6.4 |
| 2ND | 17.50 | -106.2 | 0.0 | 2921 | 0 | -36.4 | 0.0 | 0 | 3 | -1302.2 | 0.0 | 0.0 | -131.6 | -6.7 |
| 3RD | 40.00 | -137.7 | 0.0 | 3801 | 0 | -36.2 | 0.0 | 0 | 1 | -1164.5 | 0.0 | 0.0 | -103.8 | -6.8 |
| 4TH | 75.00 | -220.5 | 0.0 | 6015 | 0 | -36.7 | 0.0 | 0 | -0 | -944.0 | 0.0 | 0.0 | -66.9 | -6.8 |
| 5TH | 125.00 | -335.4 | 0.0 | 8808 | 0 | -38.1 | 0.0 | 0 | -3 | -608.6 | 0.0 | 0.0 | -28.1 | -5.8 |
| 6TH | 175.00 | -338.3 | 0.0 | 9031 | 0 | -37.5 | 0.0 | 0 | -8 | -270.4 | 0.0 | 0.0 | -6.1 | -3.1 |
| 7TH | 208.75 | -216.9 | 0.0 | 6117 | 0 | -35.5 | 0.0 | 0 | -9 | -53.5 | 0.0 | 0.0 | -1.7 | -1.2 |
| TGP | 233.50 | -53.5 | 0.0 | 2325 | 0 | -23.0 | 0.0 | 0 | -22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | | | | | | | | |
|---|--------|-----------------|-----|--------------|---|----------------|-----|------------|-----|-----------------------------|-----|-----------------------|------------------|-------|
| WIND DIRECTION 225 | | CONFIGURATION A | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | GUST FACTOR 1.30 | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | | | | | | | | | -1326.3 | 0.0 | 0.0 | -144.2 | -10.2 |
| 2ND | 17.50 | -102.6 | 0.0 | 2921 | 0 | -35.1 | 0.0 | 0 | 0 | -1223.8 | 0.0 | 0.0 | -121.9 | -10.2 |
| 3RD | 40.00 | -132.3 | 0.0 | 3801 | 0 | -34.8 | 0.0 | 0 | -1 | -1091.4 | 0.0 | 0.0 | -95.9 | -10.1 |
| 4TH | 75.00 | -214.0 | 0.0 | 6015 | 0 | -35.6 | 0.0 | 0 | -3 | -877.4 | 0.0 | 0.0 | -61.4 | -9.6 |
| 5TH | 125.00 | -322.0 | 0.0 | 8808 | 0 | -36.6 | 0.0 | 0 | -7 | -555.4 | 0.0 | 0.0 | -25.6 | -7.3 |
| 6TH | 175.00 | -311.1 | 0.0 | 9031 | 0 | -34.5 | 0.0 | 0 | -12 | -244.3 | 0.0 | 0.0 | -5.6 | -3.6 |
| 7TH | 208.75 | -194.2 | 0.0 | 6117 | 0 | -31.8 | 0.0 | 0 | -13 | -50.1 | 0.0 | 0.0 | -1.6 | -1.2 |
| TOP | 233.50 | -50.1 | 0.0 | 2325 | 0 | -21.5 | 0.0 | 0 | -23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | | | | GUST FACTOR 1.30 | | |
|--------------------------------------|--------|--|-----|--------------|---|----------------|-----|------------|-----|--------------|-----|-----------------------------|--------|------|
| WIND DIRECTION 240 | | CONFIGURATION A | | | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | | | | | | | | | -1149.7 | 0.0 | 0.0 | -123.8 | -9.3 |
| 2ND | 17.50 | -90.7 | 0.0 | 2921 | 0 | -31.1 | 0.0 | 0 | -2 | -1059.0 | 0.0 | 0.0 | -104.5 | -9.1 |
| 3RD | 40.00 | -117.8 | 0.0 | 3891 | 0 | -31.0 | 0.0 | 0 | -3 | -941.2 | 0.0 | 0.0 | -82.0 | -8.7 |
| 4TH | 75.00 | -189.0 | 0.0 | 6015 | 0 | -31.4 | 0.0 | 0 | -4 | -752.1 | 0.0 | 0.0 | -52.4 | -8.0 |
| 5TH | 125.00 | -279.6 | 0.0 | 8808 | 0 | -31.7 | 0.0 | 0 | -8 | -472.5 | 0.0 | 0.0 | -21.8 | -5.9 |
| 6TH | 175.00 | -266.6 | 0.0 | 9031 | 0 | -29.5 | 0.0 | 0 | -13 | -265.9 | 0.0 | 0.0 | -4.8 | -2.4 |
| 6TH | 175.00 | -160.9 | 0.0 | 6117 | 0 | -26.3 | 0.0 | 0 | -11 | -45.1 | 0.0 | 0.0 | -.6 | -.6 |
| 7TH | 208.75 | -45.1 | 0.0 | 2325 | 0 | -19.4 | 0.0 | 0 | -14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TOP | 233.50 | | | | | | | | | | | | | |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | | | | | | | | | | | | | |
|--------------------------------------|--------|--|-----|--------------|---|----------------|-----|-----------------------------|----|------------------|-----|-----------------------|-------|------|
| WIND DIRECTION 255 | | SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | REFERENCE PRESSURE 21.0 PSF | | GUST FACTOR 1.30 | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | | | | | | | | | -647.6 | 0.0 | 0.0 | -66.3 | -1.4 |
| 2ND | 17.50 | -52.6 | 0.0 | 2921 | 0 | -18.0 | 0.0 | 0 | -5 | -595.0 | 0.0 | 0.0 | -57.4 | -1.1 |
| 3RD | 40.00 | -69.1 | 0.0 | 3801 | 0 | -18.2 | 0.0 | 0 | -4 | -525.9 | 0.0 | 0.0 | -44.8 | -0.8 |
| 4TH | 75.00 | -100.8 | 0.0 | 6015 | 0 | -18.1 | 0.0 | 0 | -4 | -417.1 | 0.0 | 0.0 | -28.3 | -0.4 |
| 5TH | 125.00 | -162.7 | 0.0 | 8808 | 0 | -18.5 | 0.0 | 0 | -5 | -254.4 | 0.0 | 0.0 | -11.5 | .3 |
| 6TH | 175.00 | -145.5 | 0.0 | 9031 | 0 | -16.1 | 0.0 | 0 | -5 | -108.9 | 0.0 | 0.0 | -2.4 | 1.0 |
| 7TH | 208.75 | -89.6 | 0.0 | 6117 | 0 | -14.7 | 0.0 | 0 | 3 | -19.3 | 0.0 | 0.0 | -.2 | .7 |
| TOP | 233.50 | -19.3 | 0.0 | 2329 | 0 | -8.3 | 0.0 | 0 | 36 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS 1 SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | | | | | | | | | |
|---|--------|-----------------|-----|--------------|---|----------------|-----|------------|-----|-----------------------------|-----|-----------------------|------|------------------|--|
| WIND DIRECTION 270 | | CONFIGURATION A | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | | GUST FACTOR 1.30 | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z | |
| 1ST | 0.00 | 18.6 | 0.0 | 2921 | 0 | 6.4 | 0.0 | 0 | -30 | 253.2 | 0.0 | 0.0 | 28.0 | 13.3 | |
| 2ND | 17.50 | 25.7 | 0.0 | 3801 | 0 | 6.8 | 0.0 | 0 | -37 | 234.6 | 0.0 | 0.0 | 23.7 | 12.7 | |
| 3RD | 40.00 | 40.5 | 0.0 | 6015 | 0 | 6.7 | 0.0 | 0 | -47 | 208.8 | 0.0 | 0.0 | 18.7 | 11.7 | |
| 4TH | 75.00 | 59.5 | 0.0 | 8808 | 0 | 6.8 | 0.0 | 0 | -54 | 168.3 | 0.0 | 0.0 | 12.1 | 9.8 | |
| 5TH | 125.00 | 60.5 | 0.0 | 9031 | 0 | 6.7 | 0.0 | 0 | -57 | 108.8 | 0.0 | 0.0 | 5.2 | 6.6 | |
| 6TH | 175.00 | 32.5 | 0.0 | 6117 | 0 | 5.3 | 0.0 | 0 | -66 | 48.4 | 0.0 | 0.0 | 1.3 | 3.2 | |
| 7TH | 208.75 | 15.9 | 0.0 | 2325 | 0 | 6.8 | 0.0 | 0 | -64 | 15.9 | 0.0 | 0.0 | .2 | 1.0 | |
| TOP | 233.50 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | | | | | | | | | | | | | |
|---|--------|--|-----|--------------|---|----------------|-----|------------|------------------|--------------|-----|-----------------------|------|-----|
| WIND DIRECTION 285 | | SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | GUST FACTOR 1.30 | | | | | |
| CONFIGURATION A REFERENCE PRESSURE 21.0 PSF | | | | | | | | | | | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | | | | | | | | | 580.6 | 0.0 | 0.0 | 59.6 | 6.5 |
| 2ND | 17.50 | 50.2 | 0.0 | 2921 | 0 | 17.2 | 0.0 | 0 | -5 | 530.4 | 0.0 | 0.0 | 49.8 | 6.3 |
| 3RD | 40.00 | 64.2 | 0.0 | 3004 | 0 | 16.9 | 0.0 | 0 | -7 | 466.1 | 0.0 | 0.0 | 38.6 | 5.8 |
| 4TH | 75.00 | 105.0 | 0.0 | 6015 | 0 | 17.5 | 0.0 | 0 | -9 | 361.1 | 0.0 | 0.0 | 24.2 | 4.8 |
| 5TH | 125.00 | 148.3 | 0.0 | 8908 | 0 | 16.8 | 0.0 | 0 | -9 | 212.8 | 0.0 | 0.0 | 9.8 | 3.4 |
| 6TH | 175.00 | 121.8 | 0.0 | 9031 | 0 | 13.5 | 0.0 | 0 | -18 | 91.1 | 0.0 | 0.0 | 2.2 | 1.3 |
| 7TH | 208.75 | 68.3 | 0.0 | 6117 | 0 | 11.2 | 0.0 | 0 | -11 | 22.8 | 0.0 | 0.0 | .3 | .5 |
| TOP | 233.50 | 22.8 | 0.0 | 2325 | 0 | 9.8 | 0.0 | 0 | -23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS I SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | | | | | | | | |
|---|--------|-----------------|-----|--------------|---|----------------|-----|------------|----|--------------|-----|-----------------------|------|-----|
| WIND DIRECTION 300 | | CONFIGURATION A | | | | | | | | | | GUST FACTOR 1.30 | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | | | | | | | | | 632.9 | 0.0 | 0.0 | 61.7 | 2.8 |
| 2ND | 17.50 | 57.8 | 0.0 | 2921 | 0 | 19.8 | 0.0 | 0 | -2 | 575.0 | 0.0 | 0.0 | 51.1 | 2.8 |
| 3RD | 40.00 | 73.5 | 0.0 | 3801 | 0 | 19.3 | 0.0 | 0 | -3 | 501.6 | 0.0 | 0.0 | 39.0 | 2.5 |
| 4TH | 75.00 | 119.1 | 0.0 | 6015 | 0 | 19.8 | 0.0 | 0 | -6 | 382.4 | 0.0 | 0.0 | 23.5 | 1.8 |
| 5TH | 125.00 | 171.7 | 0.0 | 8808 | 0 | 19.5 | 0.0 | 0 | -7 | 210.7 | 0.0 | 0.0 | 8.7 | .6 |
| 6TH | 175.00 | 138.0 | 0.0 | 9031 | 0 | 15.3 | 0.0 | 0 | -8 | 72.8 | 0.0 | 0.0 | 1.6 | -.6 |
| 7TH | 208.75 | 60.0 | 0.0 | 6117 | 0 | 9.8 | 0.0 | 0 | 5 | 12.8 | 0.0 | 0.0 | .2 | -.3 |
| TOP | 233.50 | 12.8 | 0.0 | 2325 | 0 | 5.5 | 0.0 | 0 | 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | | | | | | | | |
|---|--------|-----------------|-----|--------------|---|----------------|-----|------------|-----|-----------------------------|-----|-----------------------|------------------|-----|
| WIND DIRECTION 315 | | CONFIGURATION A | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | GUST FACTOR 1.30 | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | 61.0 | 0.0 | 2921 | 0 | 20.9 | 0.0 | 0 | -6 | 715.1 | 0.0 | 0.0 | 72.1 | 8.3 |
| 2ND | 17.50 | 77.1 | 0.0 | 3001 | 0 | 20.3 | 0.0 | 0 | -9 | 654.1 | 0.0 | 0.0 | 60.1 | 7.9 |
| 3RD | 40.00 | 127.5 | 0.0 | 6015 | 0 | 21.2 | 0.0 | 0 | -11 | 577.0 | 0.0 | 0.0 | 46.3 | 7.2 |
| 4TH | 75.00 | 196.3 | 0.0 | 8808 | 0 | 22.3 | 0.0 | 0 | -14 | 449.5 | 0.0 | 0.0 | 28.3 | 5.0 |
| 5TH | 125.00 | 160.5 | 0.0 | 9031 | 0 | 17.0 | 0.0 | 0 | -17 | 253.1 | 0.0 | 0.0 | 10.7 | 3.1 |
| 6TH | 175.00 | 74.1 | 0.0 | 6117 | 0 | 12.1 | 0.0 | 0 | -7 | 92.6 | 0.0 | 0.0 | 2.1 | .4 |
| 7TH | 208.75 | 18.5 | 0.0 | 2325 | 0 | 8.0 | 0.0 | 0 | 5 | 18.5 | 0.0 | 0.0 | .2 | -.1 |
| TOP | 233.50 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS 1 | | | | | | | | | | | | | | |
|--------------------------------------|--------|--|-----|--------------|---|----------------|-----|-----------------------------|-----|------------------|-----|-----------------------|------|------|
| WIND DIRECTION 330 | | SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | REFERENCE PRESSURE 21.0 PSF | | GUST FACTOR 1.30 | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | | | | | | | | | 443.3 | 0.0 | 0.0 | 44.4 | 10.5 |
| 2ND | 17.50 | 36.8 | 0.0 | 2921 | 0 | 12.6 | 0.0 | 0 | -13 | 406.5 | 0.0 | 0.0 | 37.0 | 10.0 |
| 3RD | 40.00 | 45.7 | 0.0 | 3801 | 0 | 12.0 | 0.0 | 0 | -17 | 360.9 | 0.0 | 0.0 | 28.4 | 9.2 |
| 4TH | 75.00 | 78.4 | 0.0 | 6015 | 0 | 13.0 | 0.0 | 0 | -20 | 282.4 | 0.0 | 0.0 | 17.1 | 7.6 |
| 5TH | 125.00 | 129.4 | 0.0 | 8808 | 0 | 14.7 | 0.0 | 0 | -25 | 153.0 | 0.0 | 0.0 | 6.2 | 4.3 |
| 6TH | 175.00 | 102.3 | 0.0 | 9031 | 0 | 11.3 | 0.0 | 0 | -33 | 50.8 | 0.0 | 0.0 | 1.1 | 1.0 |
| 7TH | 208.75 | 41.8 | 0.0 | 6117 | 0 | 6.8 | 0.0 | 0 | -23 | 9.0 | 0.0 | 0.0 | .1 | .0 |
| TOP | 233.50 | 9.0 | 0.0 | 2325 | 0 | 3.9 | 0.0 | 0 | -2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

TABLE 7. SHEAR AND MOMENT DIAGRAMS :
WIND DIRECTION 345

SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A
REFERENCE PRESSURE 21.0 PSF

GUST FACTOR 1.30

| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
|-------|--------|--------------|-----|--------------|---|----------------|-----|------------|-----|--------------|-----|-----------------------|-------|-----|
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | -18.1 | 0.0 | 2921 | 0 | -6.2 | 0.0 | 0 | 17 | -202.1 | 0.0 | 0.0 | -22.5 | 1.3 |
| 2ND | 17.50 | -24.5 | 0.0 | 3801 | 0 | -6.4 | 0.0 | 0 | 18 | -184.0 | 0.0 | 0.0 | -19.1 | 1.0 |
| 3RD | 40.00 | -34.3 | 0.0 | 6015 | 0 | -5.7 | 0.0 | 0 | 13 | -159.6 | 0.0 | 0.0 | -15.2 | .5 |
| 4TH | 75.00 | -37.6 | 0.0 | 8808 | 0 | -4.3 | 0.0 | 0 | 10 | -125.0 | 0.0 | 0.0 | -10.3 | .1 |
| 5TH | 125.00 | -34.7 | 0.0 | 9031 | 0 | -3.8 | 0.0 | 0 | 3 | -87.5 | 0.0 | 0.0 | -4.9 | -.3 |
| 6TH | 175.00 | -34.1 | 0.0 | 6117 | 0 | -3.6 | 0.0 | 0 | -6 | -52.8 | 0.0 | 0.0 | -1.4 | -.4 |
| 7TH | 208.75 | -18.6 | 0.0 | 2325 | 0 | -8.0 | 0.0 | 0 | -14 | -18.6 | 0.0 | 0.0 | -.2 | -.3 |
| TOP | 233.50 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

TABLE 7. SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A
 PROJECT 6082 CONFIGURATION A
 SCALE = 100 REF. PRESSURE = 21.0
 GUST FACTOR = 1.30 STANDARD FLOOR HEIGHT = 50.00
 NUMBER OF SIDES = 2 NO. OF FLOORS = 7

| SIDE | ANGLE | Z-AXIS |
|------|-------|--------|
| 1 | 0.0 | 10.875 |
| 2 | 180.0 | 10.875 |

| FLOOR # | LABEL | HEIGHT-FT |
|---------|-------|-----------|
| 1 | 1ST | 17.50 |
| 2 | 2ND | 22.50 |
| 3 | 3RD | 35.00 |
| 4 | 4TH | 50.00 |
| 5 | 5TH | 50.00 |
| 6 | 6TH | 33.75 |
| 7 | 7TH | 24.75 |

TABLE 7. BASE SHEAR AND MOMENT SUMMARY : WEST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A
 CONFIGURATION A REFERENCE PRESSURE 21.0 GUST FACTOR 1.30

| AZIMUTH | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | | ECCEN (FT) | |
|---------|--------------|-----|-----------------------|------|-------|------------|------|
| | X | Y | X | Y | Z | X | Y |
| 0 | -2.9 | 0.0 | 0.0 | 3.3 | 4.3 | 0 | 1459 |
| 15 | 29.6 | 0.0 | 0.0 | 5.1 | -1.5 | 0 | 50 |
| 30 | 141.3 | 0.0 | 0.0 | 25.8 | -4.6 | 0 | 32 |
| 45 | 349.3 | 0.0 | 0.0 | 33.4 | -7.3 | 0 | 21 |
| 60 | 407.4 | 0.0 | 0.0 | 33.6 | -4.0 | 0 | 10 |
| 75 | 365.7 | 0.0 | 0.0 | 11.1 | -1.1 | 0 | 3 |
| 90 | 331.8 | 0.0 | 0.0 | 2.3 | 1.1 | 0 | 0 |
| 105 | 361.8 | 0.0 | 0.0 | 3.3 | 1.1 | 0 | 3 |
| 120 | 404.5 | 0.0 | 0.0 | 3.0 | 4.0 | 0 | 10 |
| 135 | 340.1 | 0.0 | 0.0 | 2.3 | 7.3 | 0 | 21 |
| 150 | 138.6 | 0.0 | 0.0 | 3.3 | 4.6 | 0 | 33 |
| 165 | 27.5 | 0.0 | 0.0 | 4.4 | 1.3 | 0 | 33 |
| 180 | -2.3 | 0.0 | 0.0 | 4.4 | -4.3 | 0 | 1863 |
| 195 | -74.6 | 0.0 | 0.0 | 0.0 | -5.7 | 0 | 76 |
| 210 | -33.8 | 0.0 | 0.0 | 17.4 | -2.3 | 0 | 68 |
| 225 | -238.5 | 0.0 | 0.0 | 30.2 | 9.1 | 0 | 38 |
| 240 | -479.8 | 0.0 | 0.0 | 22.5 | 10.4 | 0 | 22 |
| 255 | -541.3 | 0.0 | 0.0 | 89.7 | 6.4 | 0 | 12 |
| 270 | -447.2 | 0.0 | 0.0 | 74.8 | -1.1 | 0 | 0 |
| 285 | -540.1 | 0.0 | 0.0 | 89.5 | -6.5 | 0 | -12 |
| 300 | -479.6 | 0.0 | 0.0 | 22.7 | -10.5 | 0 | -22 |
| 315 | -236.8 | 0.0 | 0.0 | 49.9 | -9.2 | 0 | -39 |
| 330 | -33.9 | 0.0 | 0.0 | 17.3 | -2.4 | 0 | -70 |
| 345 | -75.7 | 0.0 | 0.0 | 13.5 | 5.7 | 0 | 75 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : WEST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | | | | | | | | |
|--|--------|-----------------|-----|--------------|---|----------------|-----|-----------------------------|-------|------------------|-----|-----------------------|-----|-----|
| WIND DIRECTION 0 | | CONFIGURATION A | | | | | | REFERENCE PRESSURE 21.0 PSF | | GUST FACTOR 1.30 | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | -2.2 | 0.0 | 683 | 0 | -3.3 | 0.0 | 0 | 95 | -2.9 | 0.0 | 0.0 | .3 | 4.3 |
| 2ND | 16.67 | -2.4 | 0.0 | 922 | 0 | -2.6 | 0.0 | 0 | 113 | -1.7 | 0.0 | 0.0 | .3 | 4.1 |
| 3RD | 39.17 | -1.4 | 0.0 | 1469 | 0 | -1.9 | 0.0 | 0 | 253 | 1.7 | 0.0 | 0.0 | .3 | 3.8 |
| 4TH | 75.00 | -1.6 | 0.0 | 2016 | 0 | -1.3 | 0.0 | 0 | 829 | 3.0 | 0.0 | 0.0 | .2 | 3.5 |
| 5TH | 124.17 | .0 | 0.0 | 1674 | 0 | .0 | 0.0 | 0 | ***** | 3.6 | 0.0 | 0.0 | .0 | 3.6 |
| 6TH | 165.00 | 6.3 | 0.0 | 2563 | 0 | 2.5 | 0.0 | 0 | -156 | 3.6 | 0.0 | 0.0 | -.1 | 2.7 |
| 7TH | 191.67 | 2.0 | 0.0 | 4105 | 0 | .5 | 0.0 | 0 | -673 | -2.7 | 0.0 | 0.0 | -.1 | 1.7 |
| 8TH | 216.25 | -4.7 | 0.0 | 2881 | 0 | -1.6 | 0.0 | 0 | 70 | -4.7 | 0.0 | 0.0 | -.0 | .3 |
| TOP | 233.50 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

TABLE 7. SHEAR AND MOMENT DIAGRAMS : WEST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A
WIND DIRECTION 15 CONFIGURATION A REFERENCE PRESSURE 21.0 PSF

| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
|-------|--------|--------------|-----|--------------|---|----------------|-----|------------|-----|--------------|-----|-----------------------|-----|------|
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | .7 | 0.0 | 603 | 0 | 1.0 | 0.0 | 0 | 114 | 29.6 | 0.0 | 0.0 | 5.1 | -1.5 |
| 2ND | 16.67 | 1.0 | 0.0 | 922 | 0 | 1.1 | 0.0 | 0 | 125 | 29.0 | 0.0 | 0.0 | 4.6 | -1.4 |
| 3RD | 39.17 | 1.3 | 0.0 | 1469 | 0 | .9 | 0.0 | 0 | 151 | 28.0 | 0.0 | 0.0 | 4.0 | -1.3 |
| 4TH | 75.00 | .8 | 0.0 | 2016 | 0 | .4 | 0.0 | 0 | 307 | 26.7 | 0.0 | 0.0 | 3.0 | -1.1 |
| 5TH | 124.17 | 1.6 | 0.0 | 1674 | 0 | 1.0 | 0.0 | 0 | 115 | 25.9 | 0.0 | 0.0 | 1.7 | -.8 |
| 6TH | 165.00 | 11.0 | 0.0 | 2563 | 0 | 4.3 | 0.0 | 0 | -7 | 24.3 | 0.0 | 0.0 | .7 | -.6 |
| 7TH | 191.67 | 10.9 | 0.0 | 4105 | 0 | 2.7 | 0.0 | 0 | 10 | 13.3 | 0.0 | 0.0 | .2 | -.7 |
| 8TH | 216.25 | 2.3 | 0.0 | 2881 | 0 | .8 | 0.0 | 0 | 233 | 2.3 | 0.0 | 0.0 | .0 | -.5 |
| TOP | 233.30 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

GUST FACTOR 1.30

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | WEST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | | | | GUST FACTOR 1.30 | | |
|--------------------------------------|--------|---|-----|--------------|---|----------------|-----|------------|-----|--------------|-----|-----------------------------|------|------|
| WIND DIRECTION 30 | | CONFIGURATION A | | | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | .5 | 0.0 | 683 | 0 | .7 | 0.0 | 0 | 490 | 141.3 | 0.0 | 0.0 | 25.6 | -4.6 |
| 2ND | 16.67 | .7 | 0.0 | 922 | 0 | .8 | 0.0 | 0 | 429 | 140.8 | 0.0 | 0.0 | 23.5 | -4.3 |
| 3RD | 39.17 | 2.2 | 0.0 | 1469 | 0 | 1.5 | 0.0 | 0 | 276 | 140.1 | 0.0 | 0.0 | 20.3 | -4.0 |
| 4TH | 75.00 | 12.9 | 0.0 | 2016 | 0 | 6.4 | 0.0 | 0 | 103 | 137.9 | 0.0 | 0.0 | 15.3 | -3.4 |
| 5TH | 124.17 | 4.5 | 0.0 | 1674 | 0 | 2.7 | 0.0 | 0 | 116 | 125.0 | 0.0 | 0.0 | 8.9 | -2.1 |
| 6TH | 165.00 | 45.1 | 0.0 | 2563 | 0 | 17.6 | 0.0 | 0 | 9 | 120.4 | 0.0 | 0.0 | 3.9 | -1.6 |
| 7TH | 191.67 | 59.9 | 0.0 | 4105 | 0 | 14.6 | 0.0 | 0 | 11 | 75.3 | 0.0 | 0.0 | 1.2 | -1.2 |
| 8TH | 216.25 | 15.5 | 0.0 | 2981 | 0 | 5.4 | 0.0 | 0 | 34 | 15.5 | 0.0 | 0.0 | .1 | -.5 |
| TOP | 233.50 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | WEST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | | | | | | | |
|--------------------------------------|--------|---|-----|--------------|---|----------------|-----|------------|-----|-----------------------------|-----|-----------------------|------|------------------|--|
| WIND DIRECTION 45 | | CONFIGURATION A | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | | GUST FACTOR 1.30 | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z | |
| 1ST | 0.00 | | | | | | | | | 349.3 | 0.0 | 0.0 | 63.4 | -7.3 | |
| 2ND | 16.67 | 3.3 | 0.0 | 683 | 0 | 4.8 | 0.0 | 0 | 136 | 346.0 | 0.0 | 0.0 | 57.6 | -6.8 | |
| 3RD | 39.17 | 5.5 | 0.0 | 922 | 0 | 5.9 | 0.0 | 0 | 114 | 340.5 | 0.0 | 0.0 | 49.8 | -6.2 | |
| 4TH | 75.00 | 12.0 | 0.0 | 1469 | 0 | 8.2 | 0.0 | 0 | 102 | 328.5 | 0.0 | 0.0 | 37.9 | -5.4 | |
| 5TH | 124.17 | 27.9 | 0.0 | 2016 | 0 | 13.8 | 0.0 | 0 | 89 | 300.6 | 0.0 | 0.0 | 22.4 | -2.5 | |
| 6TH | 165.00 | 16.4 | 0.0 | 1674 | 0 | 9.8 | 0.0 | 0 | 57 | 284.2 | 0.0 | 0.0 | 10.4 | -1.6 | |
| 7TH | 191.67 | 82.2 | 0.0 | 2563 | 0 | 32.1 | 0.0 | 0 | 3 | 202.0 | 0.0 | 0.0 | 4.0 | -1.3 | |
| 8TH | 216.25 | 131.1 | 0.0 | 4105 | 0 | 31.9 | 0.0 | 0 | 4 | 70.8 | 0.0 | 0.0 | .6 | -.8 | |
| TOP | 233.56 | 70.8 | 0.0 | 2881 | 0 | 24.6 | 0.0 | 0 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : WEST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | | | | | | | | |
|--|--------|-----------------|-----|--------------|---|----------------|-----|------------|----|-----------------------------|-----|-----------------------|------------------|------|
| WIND DIRECTION 60 | | CONFIGURATION A | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | GUST FACTOR 1.30 | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | | | | | | | | | 407.4 | 0.0 | 0.0 | 73.6 | -4.0 |
| 2ND | 16.67 | 5.7 | 0.0 | 683 | 0 | 8.3 | 0.0 | 0 | 62 | 401.7 | 0.0 | 0.0 | 66.8 | -3.7 |
| 3RD | 39.17 | 7.4 | 0.0 | 922 | 0 | 8.0 | 0.0 | 0 | 63 | 394.3 | 0.0 | 0.0 | 57.9 | -3.2 |
| 4TH | 75.00 | 14.3 | 0.0 | 1469 | 0 | 9.7 | 0.0 | 0 | 63 | 380.0 | 0.0 | 0.0 | 44.0 | -2.3 |
| 5TH | 124.17 | 31.1 | 0.0 | 2016 | 0 | 15.4 | 0.0 | 0 | 64 | 348.9 | 0.0 | 0.0 | 26.1 | -1.3 |
| 6TH | 165.00 | 23.0 | 0.0 | 1674 | 0 | 13.8 | 0.0 | 0 | 27 | 325.8 | 0.0 | 0.0 | 12.3 | .3 |
| 7TH | 191.67 | 87.5 | 0.0 | 2563 | 0 | 34.1 | 0.0 | 0 | 1 | 238.4 | 0.0 | 0.0 | 4.8 | .4 |
| 8TH | 216.25 | 148.8 | 0.0 | 4105 | 0 | 36.2 | 0.0 | 0 | -1 | 89.6 | 0.0 | 0.0 | .8 | .3 |
| TOP | 233.30 | 89.6 | 0.0 | 2881 | 0 | 31.1 | 0.0 | 0 | -3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : WEST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | | | | | | | | |
|--|--------|-----------------|-----|--------------|---|----------------|-----|-----------------------------|-----|--------------|------------------|-----------------------|------|------|
| WIND DIRECTION 75 | | CONFIGURATION A | | | | | | REFERENCE PRESSURE 21.0 PSF | | | GUST FACTOR 1.30 | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | | | | | | | | | 365.7 | 0.0 | 0.0 | 61.1 | -1.1 |
| 2ND | 16.67 | 8.8 | 0.0 | 683 | 0 | 12.9 | 0.0 | 0 | 14 | 356.9 | 0.0 | 0.0 | 55.1 | -1.0 |
| 3RD | 39.17 | 12.4 | 0.0 | 922 | 0 | 13.5 | 0.0 | 0 | 15 | 344.5 | 0.0 | 0.0 | 47.2 | -0.8 |
| 4TH | 75.00 | 21.4 | 0.0 | 1469 | 0 | 14.6 | 0.0 | 0 | 16 | 323.0 | 0.0 | 0.0 | 35.2 | -0.4 |
| 5TH | 124.17 | 37.3 | 0.0 | 2016 | 0 | 18.5 | 0.0 | 0 | 21 | 285.7 | 0.0 | 0.0 | 20.3 | .4 |
| 6TH | 165.00 | 25.9 | 0.0 | 1674 | 0 | 15.5 | 0.0 | 0 | 10 | 259.8 | 0.0 | 0.0 | 9.1 | .6 |
| 7TH | 191.67 | 83.2 | 0.0 | 2363 | 0 | 32.5 | 0.0 | 0 | 5 | 176.6 | 0.0 | 0.0 | 3.3 | 1.1 |
| 8TH | 216.25 | 121.6 | 0.0 | 4105 | 0 | 29.6 | 0.0 | 0 | -1 | 55.0 | 0.0 | 0.0 | .5 | 1.0 |
| TOP | 233.50 | 55.0 | 0.0 | 2881 | 0 | 19.1 | 0.0 | 0 | -19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : WEST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | | | | | | | | | |
|--|--------|-----------------|-----|--------------|---|----------------|-----|------------|----|-----------------------------|-----|-----------------------|------|------------------|--|
| WIND DIRECTION 90 | | CONFIGURATION A | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | | GUST FACTOR 1.30 | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z | |
| 1ST | 0.00 | | | | | | | | | 331.8 | 0.0 | 0.0 | 52.5 | .0 | |
| 2ND | 16.67 | 10.1 | 0.0 | 683 | 0 | 14.7 | 0.0 | 0 | 0 | 321.7 | 0.0 | 0.0 | 47.0 | .0 | |
| 3RD | 39.17 | 13.9 | 0.0 | 922 | 0 | 15.1 | 0.0 | 0 | -0 | 307.8 | 0.0 | 0.0 | 39.9 | .0 | |
| 4TH | 75.00 | 23.2 | 0.0 | 1469 | 0 | 15.8 | 0.0 | 0 | -0 | 284.6 | 0.0 | 0.0 | 29.3 | .0 | |
| 5TH | 124.17 | 39.4 | 0.0 | 2016 | 0 | 19.6 | 0.0 | 0 | 0 | 245.1 | 0.0 | 0.0 | 16.3 | .0 | |
| 6TH | 165.00 | 27.7 | 0.0 | 1674 | 0 | 16.6 | 0.0 | 0 | -0 | 217.4 | 0.0 | 0.0 | 6.9 | .0 | |
| 7TH | 191.67 | 85.3 | 0.0 | 2563 | 0 | 33.3 | 0.0 | 0 | -0 | 132.1 | 0.0 | 0.0 | 2.2 | .0 | |
| 8TH | 216.25 | 104.3 | 0.0 | 4105 | 0 | 25.4 | 0.0 | 0 | -0 | 27.8 | 0.0 | 0.0 | .2 | .0 | |
| TOP | 233.50 | 27.8 | 0.0 | 2881 | 0 | 9.6 | 0.0 | 0 | -0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

TABLE 7. SHEAR AND MOMENT DIAGRAMS :
WIND DIRECTION 165

WEST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A
REFERENCE PRESSURE 21.0 PSF

GUST FACTOR 1.30

| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
|-------|--------|--------------|-----|--------------|---|----------------|-----|------------|-----|--------------|-----|-----------------------|------|------|
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | 8.8 | 0.0 | 683 | 0 | 12.9 | 0.0 | 0 | -14 | 361.8 | 0.0 | 0.0 | 60.3 | 1.1 |
| 2ND | 16.67 | 12.4 | 0.0 | 922 | 0 | 13.5 | 0.0 | 0 | -15 | 353.0 | 0.0 | 0.0 | 54.4 | 1.0 |
| 3RD | 39.17 | 21.4 | 0.0 | 1469 | 0 | 14.6 | 0.0 | 0 | -16 | 340.6 | 0.0 | 0.0 | 46.6 | .8 |
| 4TH | 75.00 | 37.3 | 0.0 | 2016 | 0 | 18.5 | 0.0 | 0 | -21 | 319.1 | 0.0 | 0.0 | 34.8 | .4 |
| 5TH | 124.17 | 25.9 | 0.0 | 1674 | 0 | 15.5 | 0.0 | 0 | -10 | 281.8 | 0.0 | 0.0 | 20.0 | -1.4 |
| 6TH | 165.00 | 81.9 | 0.0 | 2563 | 0 | 31.9 | 0.0 | 0 | -6 | 255.9 | 0.0 | 0.0 | 9.0 | -1.6 |
| 7TH | 191.67 | 119.4 | 0.0 | 4105 | 0 | 29.1 | 0.0 | 0 | 1 | 174.0 | 0.0 | 0.0 | 3.3 | -1.1 |
| 8TH | 216.25 | 54.6 | 0.0 | 2881 | 0 | 19.0 | 0.0 | 0 | 19 | 54.6 | 0.0 | 0.0 | .5 | -1.0 |
| TOP | 233.50 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | | | | | | | | | | | | | |
|--------------------------------------|--------|---|-----|--------------|---|----------------|-----|-----------------------------|-----|--------------|-----|-----------------------|------|-----|
| WIND DIRECTION 120 | | NEST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | REFERENCE PRESSURE 21.0 PSF | | | | | | |
| CONFIGURATION A | | | | | | | | | | | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | | | | | | | | | 404.5 | 0.0 | 0.0 | 73.0 | 4.0 |
| 2ND | 16.67 | 5.7 | 0.0 | 683 | 0 | 8.3 | 0.0 | 0 | -62 | 398.8 | 0.0 | 0.0 | 66.3 | 3.7 |
| 3RD | 39.17 | 7.4 | 0.0 | 922 | 0 | 8.0 | 0.0 | 0 | -63 | 391.4 | 0.0 | 0.0 | 57.4 | 3.2 |
| 4TH | 75.00 | 14.3 | 0.0 | 1469 | 0 | 9.7 | 0.0 | 0 | -63 | 377.1 | 0.0 | 0.0 | 43.7 | 2.3 |
| 5TH | 124.17 | 31.1 | 0.0 | 2016 | 0 | 15.4 | 0.0 | 0 | -64 | 346.0 | 0.0 | 0.0 | 25.9 | .3 |
| 6TH | 169.00 | 23.0 | 0.0 | 1674 | 0 | 13.7 | 0.0 | 0 | -27 | 323.0 | 0.0 | 0.0 | 12.2 | -3 |
| 7TH | 191.67 | 86.5 | 0.0 | 2563 | 0 | 33.7 | 0.0 | 0 | -1 | 236.5 | 0.0 | 0.0 | 4.8 | -4 |
| 8TH | 216.25 | 147.6 | 0.0 | 4105 | 0 | 35.9 | 0.0 | 0 | 1 | 88.9 | 0.0 | 0.0 | .8 | -3 |
| TOP | 233.50 | 88.9 | 0.0 | 2881 | 0 | 39.9 | 0.0 | 0 | 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

TABLE 7. SHEAR AND MOMENT DIAGRAMS :
WIND DIRECTION 135

WEST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A
REFERENCE PRESSURE 21.0 PSF

GUST FACTOR 1.30

| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
|-------|--------|--------------|-----|--------------|---|----------------|-----|------------|------|--------------|-----|-----------------------|------|-----|
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | 3.3 | 0.0 | 683 | 0 | 4.8 | 0.0 | 0 | -136 | 345.1 | 0.0 | 0.0 | 62.5 | 7.3 |
| 2ND | 16.67 | 5.5 | 0.0 | 922 | 0 | 5.9 | 0.0 | 0 | -115 | 341.8 | 0.0 | 0.0 | 56.8 | 6.8 |
| 3RD | 39.17 | 12.0 | 0.0 | 1469 | 0 | 8.2 | 0.0 | 0 | -102 | 336.4 | 0.0 | 0.0 | 49.2 | 6.2 |
| 4TH | 75.00 | 27.9 | 0.0 | 2016 | 0 | 13.8 | 0.0 | 0 | -89 | 324.4 | 0.0 | 0.0 | 37.3 | 5.0 |
| 5TH | 124.17 | 16.4 | 0.0 | 1674 | 0 | 9.8 | 0.0 | 0 | -57 | 296.3 | 0.0 | 0.0 | 22.0 | 2.9 |
| 6TH | 163.00 | 81.5 | 0.0 | 2563 | 0 | 31.8 | 0.0 | 0 | -3 | 280.1 | 0.0 | 0.0 | 10.3 | 1.6 |
| 7TH | 191.67 | 129.3 | 0.0 | 4105 | 0 | 31.5 | 0.0 | 0 | -4 | 198.6 | 0.0 | 0.0 | 3.9 | 1.3 |
| 8TH | 216.25 | 69.3 | 0.0 | 2881 | 0 | 24.1 | 0.0 | 0 | -11 | 69.3 | 0.0 | 0.0 | .6 | .8 |
| TOP | 233.50 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | | | | | | | | | | | | | | |
|--------------------------------------|--------|-----------------|-----|--------------|---|---|-----|------------|------|-----------------------------|-----|-----------------------|------|------------------|--|
| WIND DIRECTION 150 | | CONFIGURATION A | | | | WEST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | REFERENCE PRESSURE 21.0 PSF | | | | GUST FACTOR 1.30 | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z | |
| 1ST | 0.00 | .3 | 0.0 | 683 | 0 | .7 | 0.0 | 0 | -493 | 138.6 | 0.0 | 0.0 | 25.3 | 4.6 | |
| 2ND | 16.67 | .7 | 0.0 | 922 | 0 | .8 | 0.0 | 0 | -435 | 138.2 | 0.0 | 0.0 | 23.0 | 4.4 | |
| 3RD | 39.17 | 2.2 | 0.0 | 1469 | 0 | 1.5 | 0.0 | 0 | -278 | 137.4 | 0.0 | 0.0 | 19.9 | 4.0 | |
| 4TH | 75.00 | 12.9 | 0.0 | 2016 | 0 | 6.4 | 0.0 | 0 | -103 | 135.2 | 0.0 | 0.0 | 13.0 | 3.4 | |
| 5TH | 124.17 | 4.5 | 0.0 | 1674 | 0 | 2.7 | 0.0 | 0 | -116 | 122.3 | 0.0 | 0.0 | 8.7 | 2.1 | |
| 6TH | 165.00 | 44.5 | 0.0 | 2563 | 0 | 17.4 | 0.0 | 0 | -9 | 117.8 | 0.0 | 0.0 | 3.8 | 1.6 | |
| 7TH | 191.67 | 58.5 | 0.0 | 4105 | 0 | 14.2 | 0.0 | 0 | -11 | 73.2 | 0.0 | 0.0 | 1.2 | 1.2 | |
| 8TH | 216.25 | 14.8 | 0.0 | 2981 | 0 | 5.1 | 0.0 | 0 | -36 | 14.8 | 0.0 | 0.0 | .1 | .5 | |
| TOP | 233.30 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS I WEST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | | | | | | | | |
|--|--------|-----------------|-----|--------------|---|----------------|-----|-----------------------------|------|--------------|------------------|-----------------------|-----|-----|
| WIND DIRECTION 165 | | CONFIGURATION A | | | | | | REFERENCE PRESSURE 21.0 PSF | | | GUST FACTOR 1.30 | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | | | | | | | | | 27.5 | 0.0 | 0.0 | 4.7 | 1.5 |
| 2ND | 16.67 | .7 | 0.0 | 683 | 0 | 1.0 | 0.0 | 0 | -115 | 26.8 | 0.0 | 0.0 | 4.2 | 1.4 |
| 3RD | 39.17 | 1.0 | 0.0 | 922 | 0 | 1.1 | 0.0 | 0 | -127 | 25.8 | 0.0 | 0.0 | 3.6 | 1.3 |
| 4TH | 75.00 | 1.2 | 0.0 | 1469 | 0 | .8 | 0.0 | 0 | -154 | 24.6 | 0.0 | 0.0 | 2.7 | 1.1 |
| 5TH | 124.17 | .8 | 0.0 | 2016 | 0 | .4 | 0.0 | 0 | -403 | 23.8 | 0.0 | 0.0 | 1.6 | .8 |
| 6TH | 163.00 | 1.6 | 0.0 | 1674 | 0 | 1.0 | 0.0 | 0 | -117 | 22.2 | 0.0 | 0.0 | .6 | .6 |
| 7TH | 191.67 | 10.8 | 0.0 | 2563 | 0 | 4.2 | 0.0 | 0 | 7 | 11.4 | 0.0 | 0.0 | .2 | .7 |
| 8TH | 216.25 | 10.2 | 0.0 | 4105 | 0 | 2.3 | 0.0 | 0 | -11 | 1.2 | 0.0 | 0.0 | .0 | .5 |
| TOP | 233.50 | 1.2 | 0.0 | 2881 | 0 | .4 | 0.0 | 0 | -468 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

TABLE 7. SHEAR AND MOMENT DIAGRAMS :
WIND DIRECTION 180

WEST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A
REFERENCE PRESSURE 21.0 PSF

CUST FACTOR 1.30

| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
|-------|--------|--------------|-----|--------------|---|----------------|-----|------------|-------|--------------|-----|-----------------------|-----|------|
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | -2.2 | 0.0 | 683 | 0 | -3.3 | 0.0 | 0 | -95 | -2.3 | 0.0 | 0.0 | .4 | -4.3 |
| 2ND | 16.67 | -2.4 | 0.0 | 922 | 0 | -2.6 | 0.0 | 0 | -113 | -1.1 | 0.0 | 0.0 | .4 | -4.1 |
| 3RD | 39.17 | -1.4 | 0.0 | 1469 | 0 | -1.9 | 0.0 | 0 | -251 | 2.3 | 0.0 | 0.0 | .4 | -3.8 |
| 4TH | 75.00 | -1.6 | 0.0 | 2016 | 0 | -1.3 | 0.0 | 0 | -809 | 3.7 | 0.0 | 0.0 | .3 | -3.5 |
| 5TH | 124.17 | .0 | 0.0 | 1674 | 0 | .0 | 0.0 | 0 | 23301 | 4.3 | 0.0 | 0.0 | .1 | -3.0 |
| 6TH | 165.00 | 6.1 | 0.0 | 2563 | 0 | 2.4 | 0.0 | 0 | 161 | 4.3 | 0.0 | 0.0 | -.1 | -2.7 |
| 7TH | 191.67 | 2.5 | 0.0 | 4105 | 0 | .6 | 0.0 | 0 | 540 | -1.8 | 0.0 | 0.0 | -.1 | -1.7 |
| 8TH | 216.25 | -4.3 | 0.0 | 2881 | 0 | -1.5 | 0.0 | 0 | -78 | -4.3 | 0.0 | 0.0 | -.0 | -1.3 |
| TOP | 233.50 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

TABLE 7. SHEAR AND MOMENT DIAGRAMS 1 WEST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A
 WIND DIRECTION 195 CONFIGURATION A REFERENCE PRESSURE 21.0 PSF

| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEA (FT) | | SHEAR (KIPS) | | GUST FACTOR 1.30 MOMENT (1000-FT-KIPS) | | |
|-------|--------|--------------|-----|--------------|---|----------------|-----|------------|------|--------------|-----|---|-------|------|
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | -2.1 | 0.0 | 683 | 0 | -3.1 | 0.0 | 0 | -139 | -74.6 | 0.0 | 0.0 | -13.0 | -5.7 |
| 2ND | 16.67 | -3.1 | 0.0 | 922 | 0 | -3.4 | 0.0 | 0 | -145 | -72.5 | 0.0 | 0.0 | -11.8 | -5.4 |
| 3RD | 39.17 | -5.2 | 0.0 | 1469 | 0 | -3.6 | 0.0 | 0 | -127 | -69.3 | 0.0 | 0.0 | -10.2 | -4.9 |
| 4TH | 75.00 | -6.6 | 0.0 | 2016 | 0 | -3.3 | 0.0 | 0 | -146 | -64.1 | 0.0 | 0.0 | -7.8 | -4.3 |
| 5TH | 124.17 | -4.7 | 0.0 | 1674 | 0 | -2.8 | 0.0 | 0 | -158 | -57.5 | 0.0 | 0.0 | -4.8 | -3.3 |
| 6TH | 165.00 | -1.7 | 0.0 | 2563 | 0 | -.7 | 0.0 | 0 | -791 | -52.7 | 0.0 | 0.0 | -2.6 | -2.5 |
| 7TH | 191.67 | -23.2 | 0.0 | 4105 | 0 | -5.7 | 0.0 | 0 | -56 | -51.0 | 0.0 | 0.0 | -1.2 | -1.2 |
| 8TH | 216.25 | -27.8 | 0.0 | 2881 | 0 | -9.6 | 0.0 | 0 | 4 | -27.8 | 0.0 | 0.0 | -.2 | .1 |
| TOP | 233.50 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

TABLE 7. SHEAR AND MOMENT DIAGRAMS | WEST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A
WIND DIRECTION 210 | CONFIGURATION A | REFERENCE PRESSURE 21.0 PSF

| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | GUST FACTOR 1.30 MOMENT (1000-FT-KIPS) | | |
|-------|--------|--------------|-----|--------------|---|----------------|-----|------------|-----|--------------|-----|---|-------|-----|
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | | | | | | | | | -33.8 | 0.0 | 0.0 | -17.4 | 2.3 |
| 2ND | 16.67 | 8.1 | 0.0 | 683 | 0 | 11.8 | 0.0 | 0 | -48 | -41.9 | 0.0 | 0.0 | -16.7 | 1.9 |
| 3RD | 39.17 | 10.6 | 0.0 | 922 | 0 | 11.5 | 0.0 | 0 | -35 | -52.5 | 0.0 | 0.0 | -15.7 | 1.5 |
| 4TH | 75.00 | 17.2 | 0.0 | 1469 | 0 | 11.7 | 0.0 | 0 | -32 | -69.7 | 0.0 | 0.0 | -13.5 | 1.0 |
| 5TH | 124.17 | 26.5 | 0.0 | 2016 | 0 | 13.2 | 0.0 | 0 | -29 | -96.2 | 0.0 | 0.0 | -9.4 | .2 |
| 6TH | 165.00 | 19.4 | 0.0 | 1674 | 0 | 11.6 | 0.0 | 0 | -5 | -115.6 | 0.0 | 0.0 | -5.1 | .1 |
| 7TH | 191.67 | -14.8 | 0.0 | 2563 | 0 | -5.8 | 0.0 | 0 | -50 | -100.8 | 0.0 | 0.0 | -2.2 | .8 |
| 8TH | 216.25 | -55.7 | 0.0 | 4105 | 0 | -13.6 | 0.0 | 0 | 3 | -45.2 | 0.0 | 0.0 | -.4 | .7 |
| TOP | 233.50 | -45.2 | 0.0 | 2881 | 0 | -15.7 | 0.0 | 0 | 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : WEST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | | | | | | | | |
|--|--------|-----------------|-----|--------------|---|----------------|-----|------------|-----------------------------|--------------|-----|-----------------------|------------------|-----|
| WIND DIRECTION 225 | | CONFIGURATION A | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | | GUST FACTOR 1.30 | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | | | | | | | | | -238.5 | 0.0 | 0.0 | -50.2 | 9.1 |
| 2ND | 16.67 | 3.4 | 0.0 | 683 | 0 | 4.9 | 0.0 | 0 | -229 | -241.9 | 0.0 | 0.0 | -46.2 | 8.4 |
| 3RD | 39.17 | 3.8 | 0.0 | 922 | 0 | 4.1 | 0.0 | 0 | -214 | -245.7 | 0.0 | 0.0 | -40.7 | 7.5 |
| 4TH | 75.00 | 5.7 | 0.0 | 1469 | 0 | 3.9 | 0.0 | 0 | -241 | -251.4 | 0.0 | 0.0 | -31.8 | 6.2 |
| 5TH | 124.17 | -1.4 | 0.0 | 2016 | 0 | -7 | 0.0 | 0 | 1466 | -250.0 | 0.0 | 0.0 | -19.5 | 4.2 |
| 6TH | 165.00 | -14.0 | 0.0 | 1674 | 0 | -8.4 | 0.0 | 0 | 80 | -236.0 | 0.0 | 0.0 | -9.6 | 3.1 |
| 7TH | 191.67 | -47.7 | 0.0 | 2563 | 0 | -18.6 | 0.0 | 0 | 12 | -168.3 | 0.0 | 0.0 | -3.9 | 2.5 |
| 8TH | 216.25 | -112.6 | 0.0 | 4105 | 0 | -27.4 | 0.0 | 0 | 13 | -75.7 | 0.0 | 0.0 | -.7 | 1.0 |
| TOP | 233.50 | -75.7 | 0.0 | 2881 | 0 | -26.3 | 0.0 | 0 | 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : WEST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | | | | | | | | | |
|--|--------|-----------------|-----|--------------|---|----------------|-----|------------|----|-----------------------------|-----|-----------------------|------------------|------|--|
| WIND DIRECTION 240 | | CONFIGURATION A | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | GUST FACTOR 1.30 | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z | |
| 1ST | 0.00 | | | | | | | | | | | | | | |
| | | -8.7 | 0.0 | 683 | 0 | -12.7 | 0.0 | 0 | 95 | -479.8 | 0.0 | 0.0 | -82.5 | 10.4 | |
| 2ND | 16.67 | | | | | | | | | | | | | | |
| | | -14.8 | 0.0 | 922 | 0 | -16.1 | 0.0 | 0 | 68 | -471.1 | 0.0 | 0.0 | -74.6 | 9.6 | |
| 3RD | 39.17 | | | | | | | | | | | | | | |
| | | -26.4 | 0.0 | 1469 | 0 | -17.9 | 0.0 | 0 | 64 | -456.3 | 0.0 | 0.0 | -64.2 | 8.6 | |
| 4TH | 75.00 | | | | | | | | | | | | | | |
| | | -42.1 | 0.0 | 2016 | 0 | -20.9 | 0.0 | 0 | 52 | -430.0 | 0.0 | 0.0 | -48.3 | 6.9 | |
| 5TH | 124.17 | | | | | | | | | | | | | | |
| | | -49.7 | 0.0 | 1674 | 0 | -29.7 | 0.0 | 0 | 26 | -387.8 | 0.0 | 0.0 | -28.2 | 4.7 | |
| 6TH | 165.00 | | | | | | | | | | | | | | |
| | | -75.7 | 0.0 | 2563 | 0 | -29.5 | 0.0 | 0 | 9 | -338.1 | 0.0 | 0.0 | -13.4 | 3.5 | |
| 7TH | 191.67 | | | | | | | | | | | | | | |
| | | -160.6 | 0.0 | 4105 | 0 | -39.1 | 0.0 | 0 | 9 | -262.4 | 0.0 | 0.0 | -5.4 | 2.8 | |
| 8TH | 216.25 | | | | | | | | | | | | | | |
| | | -101.8 | 0.0 | 2881 | 0 | -35.3 | 0.0 | 0 | 13 | -101.8 | 0.0 | 0.0 | -.9 | 1.4 | |
| TOP | 233.50 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS - WEST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | | | | | | | | |
|--|--------|-----------------|-----|--------------|---|----------------|-----|-----------------------------|----|--------------|------------------|-----------------------|-------|-----|
| WIND DIRECTION 255 | | CONFIGURATION A | | | | | | REFERENCE PRESSURE 21.0 PSF | | | GUST FACTOR 1.30 | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | | | | | | | | | -541.3 | 0.0 | 0.0 | -89.7 | 6.4 |
| 2ND | 16.67 | -12.7 | 0.0 | 603 | 0 | -18.6 | 0.0 | 0 | 47 | -528.5 | 0.0 | 0.0 | -80.8 | 5.8 |
| 3RD | 39.17 | -21.3 | 0.0 | 922 | 0 | -23.1 | 0.0 | 0 | 35 | -507.2 | 0.0 | 0.0 | -69.1 | 5.1 |
| 4TH | 75.00 | -36.6 | 0.0 | 1469 | 0 | -24.9 | 0.0 | 0 | 29 | -470.7 | 0.0 | 0.0 | -51.6 | 4.0 |
| 5TH | 124.17 | -58.4 | 0.0 | 2016 | 0 | -29.0 | 0.0 | 0 | 23 | -412.3 | 0.0 | 0.0 | -29.9 | 2.7 |
| 6TH | 163.00 | -55.3 | 0.0 | 1674 | 0 | -33.0 | 0.0 | 0 | 12 | -357.0 | 0.0 | 0.0 | -14.2 | 2.0 |
| 7TH | 191.67 | -78.4 | 0.0 | 2563 | 0 | -30.6 | 0.0 | 0 | 3 | -278.5 | 0.0 | 0.0 | -5.7 | 1.8 |
| 8TH | 216.25 | -169.9 | 0.0 | 4105 | 0 | -41.4 | 0.0 | 0 | 4 | -108.6 | 0.0 | 0.0 | -0.9 | 1.1 |
| TOP | 233.50 | -108.6 | 0.0 | 2881 | 0 | -37.7 | 0.0 | 0 | 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

TABLE 7. SHEAR AND MOMENT DIAGRAMS 1 WEST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A
 WIND DIRECTION 270 CONFIGURATION A REFERENCE PRESSURE 21.0 PSF

| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | GUST FACTOR 1.30 MOMENT (1000-FT-KIPS) | | |
|-------|--------|--------------|-----|--------------|---|----------------|-----|------------|----|--------------|-----|---|-------|------|
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | | | | | | | | | -447.2 | 0.0 | 0.0 | -74.8 | -1.1 |
| 2ND | 16.67 | -9.2 | 0.0 | 603 | 0 | -13.5 | 0.0 | 0 | -0 | -438.0 | 0.0 | 0.0 | -67.4 | -1.1 |
| 3RD | 39.17 | -16.2 | 0.0 | 922 | 0 | -17.5 | 0.0 | 0 | -0 | -421.8 | 0.0 | 0.0 | -57.7 | -1.0 |
| 4TH | 75.00 | -29.4 | 0.0 | 1469 | 0 | -20.0 | 0.0 | 0 | -0 | -392.5 | 0.0 | 0.0 | -43.1 | -1.0 |
| 5TH | 124.17 | -47.6 | 0.0 | 2016 | 0 | -23.6 | 0.0 | 0 | -0 | -344.9 | 0.0 | 0.0 | -25.0 | -1.0 |
| 6TH | 165.00 | -47.1 | 0.0 | 1674 | 0 | -28.1 | 0.0 | 0 | -0 | -297.8 | 0.0 | 0.0 | -11.9 | -1.0 |
| 7TH | 191.67 | -63.9 | 0.0 | 2563 | 0 | -24.9 | 0.0 | 0 | -0 | -233.8 | 0.0 | 0.0 | -4.8 | -1.0 |
| 8TH | 216.25 | -141.5 | 0.0 | 4105 | 0 | -34.5 | 0.0 | 0 | -0 | -92.4 | 0.0 | 0.0 | -1.8 | -1.0 |
| TOP | 233.50 | -92.4 | 0.0 | 2881 | 0 | -32.1 | 0.0 | 0 | -0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : WEST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | | | | | | | | |
|--|--------|-----------------|-----|--------------|---|----------------|-----|-----------------------------|-----|------------------|-----|-----------------------|-------|------|
| WIND DIRECTION 285 | | CONFIGURATION A | | | | | | REFERENCE PRESSURE 21.0 PSF | | GUST FACTOR 1.30 | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | -12.6 | 0.0 | 683 | 0 | -18.5 | 0.0 | 0 | -48 | -540.1 | 0.0 | 0.0 | -89.3 | -6.5 |
| 2ND | 16.67 | -21.2 | 0.0 | 922 | 0 | -23.0 | 0.0 | 0 | -35 | -527.4 | 0.0 | 0.0 | -80.6 | -5.9 |
| 3RD | 39.17 | -36.4 | 0.0 | 1469 | 0 | -24.7 | 0.0 | 0 | -29 | -506.2 | 0.0 | 0.0 | -69.0 | -5.2 |
| 4TH | 73.00 | -58.1 | 0.0 | 2016 | 0 | -28.8 | 0.0 | 0 | -24 | -469.9 | 0.0 | 0.0 | -51.5 | -4.1 |
| 5TH | 124.17 | -55.1 | 0.0 | 1674 | 0 | -32.9 | 0.0 | 0 | -12 | -411.8 | 0.0 | 0.0 | -29.8 | -2.7 |
| 6TH | 165.00 | -79.0 | 0.0 | 2563 | 0 | -30.8 | 0.0 | 0 | -3 | -356.7 | 0.0 | 0.0 | -14.1 | -2.0 |
| 7TH | 191.67 | -169.7 | 0.0 | 4105 | 0 | -41.3 | 0.0 | 0 | -4 | -277.7 | 0.0 | 0.0 | -5.7 | -1.8 |
| 8TH | 216.25 | -108.0 | 0.0 | 2881 | 0 | -37.5 | 0.0 | 0 | -10 | -108.0 | 0.0 | 0.0 | -9 | -1.1 |
| TOP | 233.50 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : WEST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | | | | | | | | | |
|--|--------|-----------------|-----|--------------|---|----------------|-----|-----------------------------|-----|--------------|------------------|-----------------------|-------|-------|--|
| WIND DIRECTION 300 | | CONFIGURATION A | | | | | | REFERENCE PRESSURE 21.0 PSF | | | GUST FACTOR 1.30 | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z | |
| 1ST | 0.00 | | | | | | | | | | | | | | |
| | | -8.5 | 0.0 | 683 | 0 | -12.5 | 0.0 | 0 | -96 | -479.6 | 0.0 | 0.0 | -82.7 | -10.5 | |
| 2ND | 16.67 | | | | | | | | | | | | | | |
| | | -14.7 | 0.0 | 922 | 0 | -15.9 | 0.0 | 0 | -69 | -471.1 | 0.0 | 0.0 | -74.7 | -9.6 | |
| 3RD | 33.17 | | | | | | | | | | | | | | |
| | | -26.0 | 0.0 | 1469 | 0 | -17.7 | 0.0 | 0 | -64 | -456.4 | 0.0 | 0.0 | -64.3 | -8.6 | |
| 4TH | 75.00 | | | | | | | | | | | | | | |
| | | -41.7 | 0.0 | 2016 | 0 | -20.7 | 0.0 | 0 | -53 | -430.4 | 0.0 | 0.0 | -48.4 | -6.9 | |
| 5TH | 124.17 | | | | | | | | | | | | | | |
| | | -49.3 | 0.0 | 1674 | 0 | -29.4 | 0.0 | 0 | -26 | -388.7 | 0.0 | 0.0 | -28.3 | -4.8 | |
| 6TH | 165.00 | | | | | | | | | | | | | | |
| | | -75.8 | 0.0 | 2963 | 0 | -29.6 | 0.0 | 0 | -9 | -339.4 | 0.0 | 0.0 | -13.4 | -3.5 | |
| 7TH | 191.67 | | | | | | | | | | | | | | |
| | | -161.5 | 0.0 | 4109 | 0 | -39.4 | 0.0 | 0 | -9 | -263.6 | 0.0 | 0.0 | -5.4 | -2.8 | |
| 8TH | 216.25 | | | | | | | | | | | | | | |
| | | -102.0 | 0.0 | 2881 | 0 | -35.4 | 0.0 | 0 | -13 | -102.0 | 0.0 | 0.0 | -.9 | -1.4 | |
| TOP | 233.50 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : WEST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | | | | | | | | |
|--|--------|-----------------|-----|--------------|---|----------------|-----|------------|-------|-----------------------------|-----|-----------------------|------------------|------|
| WIND DIRECTION 315 | | CONFIGURATION A | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | GUST FACTOR 1.30 | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | 3.4 | 0.0 | 683 | 0 | 5.0 | 0.0 | 0 | 229 | -236.8 | 0.0 | 0.0 | -49.9 | -9.2 |
| 2ND | 16.67 | 3.8 | 0.0 | 922 | 0 | 4.1 | 0.0 | 0 | 215 | -240.2 | 0.0 | 0.0 | -45.9 | -8.4 |
| 3RD | 39.17 | 3.7 | 0.0 | 1469 | 0 | 3.9 | 0.0 | 0 | 240 | -244.0 | 0.0 | 0.0 | -40.4 | -7.6 |
| 4TH | 75.00 | -1.2 | 0.0 | 2016 | 0 | -1.6 | 0.0 | 0 | -1662 | -249.8 | 0.0 | 0.0 | -31.6 | -6.2 |
| 5TH | 124.17 | -13.8 | 0.0 | 1674 | 0 | -8.2 | 0.0 | 0 | -82 | -248.5 | 0.0 | 0.0 | -19.3 | -4.2 |
| 6TH | 165.00 | -48.1 | 0.0 | 2563 | 0 | -18.8 | 0.0 | 0 | -12 | -234.8 | 0.0 | 0.0 | -9.5 | -3.1 |
| 7TH | 191.67 | -112.5 | 0.0 | 4105 | 0 | -27.4 | 0.0 | 0 | -13 | -186.6 | 0.0 | 0.0 | -3.8 | -2.5 |
| 8TH | 216.25 | -74.1 | 0.0 | 2881 | 0 | -25.7 | 0.0 | 0 | -13 | -74.1 | 0.0 | 0.0 | -1.6 | -1.0 |
| TOP | 233.50 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : WEST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | | | | | | | | | |
|--|--------|-----------------|-----|--------------|---|----------------|-----|------------|-----|-----------------------------|-----|-----------------------|-------|------------------|--|
| WIND DIRECTION 330 | | CONFIGURATION A | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | | GUST FACTOR 1.30 | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z | |
| 1ST | 0.00 | 8.1 | 0.0 | 483 | 0 | 11.8 | 0.0 | 0 | 49 | -33.9 | 0.0 | 0.0 | -17.3 | -2.4 | |
| 2ND | 16.67 | 10.6 | 0.0 | 922 | 0 | 11.5 | 0.0 | 0 | 36 | -41.9 | 0.0 | 0.0 | -16.7 | -2.0 | |
| 3RD | 39.17 | 17.2 | 0.0 | 1469 | 0 | 11.7 | 0.0 | 0 | 33 | -52.6 | 0.0 | 0.0 | -15.6 | -1.6 | |
| 4TH | 75.00 | 26.5 | 0.0 | 2016 | 0 | 13.1 | 0.0 | 0 | 30 | -69.7 | 0.0 | 0.0 | -13.4 | -1.0 | |
| 5TH | 124.17 | 19.3 | 0.0 | 1674 | 0 | 11.6 | 0.0 | 0 | 6 | -96.2 | 0.0 | 0.0 | -9.4 | -.3 | |
| 6TH | 165.00 | -15.2 | 0.0 | 2563 | 0 | -5.9 | 0.0 | 0 | 47 | -115.6 | 0.0 | 0.0 | -5.0 | -.1 | |
| 7TH | 191.67 | -55.8 | 0.0 | 4105 | 0 | -13.6 | 0.0 | 0 | -3 | -100.3 | 0.0 | 0.0 | -2.2 | -.9 | |
| 8TH | 216.25 | -44.5 | 0.0 | 2881 | 0 | -15.5 | 0.0 | 0 | -16 | -44.5 | 0.0 | 0.0 | -.4 | -.7 | |
| TOP | 233.50 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : WEST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | | | | | | | | |
|--|--------|-----------------|-----|--------------|---|----------------|-----|------------|-----------------------------|--------------|-----|-----------------------|------------------|-----|
| MIND DIRECTION 345 | | CONFIGURATION A | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | | GUST FACTOR 1.30 | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | | | | | | | | | -75.7 | 0.0 | 0.0 | -13.3 | 5.7 |
| 2ND | 16.67 | -2.1 | 0.0 | 683 | 0 | -3.0 | 0.0 | 0 | 140 | -73.7 | 0.0 | 0.0 | -12.1 | 5.4 |
| 3RD | 39.17 | -3.1 | 0.0 | 922 | 0 | -3.4 | 0.0 | 0 | 146 | -70.6 | 0.0 | 0.0 | -10.4 | 4.9 |
| 4TH | 75.00 | -5.2 | 0.0 | 1469 | 0 | -3.5 | 0.0 | 0 | 120 | -65.4 | 0.0 | 0.0 | -8.0 | 4.2 |
| 5TH | 124.17 | -6.6 | 0.0 | 2016 | 0 | -3.3 | 0.0 | 0 | 146 | -58.8 | 0.0 | 0.0 | -4.9 | 3.3 |
| 6TH | 165.00 | -4.7 | 0.0 | 1674 | 0 | -2.8 | 0.0 | 0 | 159 | -54.1 | 0.0 | 0.0 | -2.6 | 2.5 |
| 7TH | 191.67 | -2.0 | 0.0 | 2563 | 0 | -1.8 | 0.0 | 0 | 682 | -52.1 | 0.0 | 0.0 | -1.2 | 1.2 |
| 8TH | 216.25 | -24.2 | 0.0 | 4105 | 0 | -5.9 | 0.0 | 0 | 54 | -27.9 | 0.0 | 0.0 | -2 | -1 |
| TOP | 233.50 | -27.9 | 0.0 | 2881 | 0 | -9.7 | 0.0 | 0 | -4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

TABLE 7. WEST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A
 PROJECT 6002 CONFIGURATION A
 SCALE = 100 REF. PRESSURE = 21.0
 GUST FACTOR = 1.30 STANDARD FLOOR HEIGHT = 50.00
 NUMBER OF SIDES = 2 NO. OF FLOORS = 8

| SIDE | ANGLE | Z-AXIS |
|------|-------|--------|
| 1 | 0.0 | 10.020 |
| 2 | 180.0 | 10.020 |

| FLOOR # | LABEL | HEIGHT-FT |
|---------|-------|-----------|
| 1 | 1ST | 16.67 |
| 2 | 2ND | 22.50 |
| 3 | 3RD | 35.83 |
| 4 | 4TH | 49.17 |
| 5 | 5TH | 40.83 |
| 6 | 6TH | 26.67 |
| 7 | 7TH | 24.58 |
| 8 | 8TH | 17.25 |

TABLE 7. BASE SHEAR AND MOMENT SUMMARY : EAST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A
 CONFIGURATION A REFERENCE PRESSURE 21.0 GUST FACTOR 1.30

| AZIMUTH | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | | ECCEN (FT) | |
|---------|--------------|-----|-----------------------|-------|-------|------------|------|
| | X | Y | X | Y | Z | X | Y |
| 0 | -5.3 | 0.0 | 0.0 | -1.1 | -1.4 | 0 | -74 |
| 15 | -23.8 | 0.0 | 0.0 | -3.2 | -1.9 | 0 | -80 |
| 30 | -33.5 | 0.0 | 0.0 | -21.5 | 6.8 | 0 | 202 |
| 45 | -175.8 | 0.0 | 0.0 | -52.2 | 11.6 | 0 | 66 |
| 60 | -328.6 | 0.0 | 0.0 | -71.0 | 11.0 | 0 | 34 |
| 75 | -314.6 | 0.0 | 0.0 | -66.0 | 6.4 | 0 | 20 |
| 90 | -211.0 | 0.0 | 0.0 | -46.1 | 0.0 | 0 | 0 |
| 105 | -261.2 | 0.0 | 0.0 | -53.5 | 6.4 | 0 | -24 |
| 120 | -257.1 | 0.0 | 0.0 | -56.6 | -11.0 | 0 | -41 |
| 135 | -95.6 | 0.0 | 0.0 | -33.5 | 11.6 | 0 | -122 |
| 150 | 17.3 | 0.0 | 0.0 | -9.7 | 6.8 | 0 | 39 |
| 165 | -109.7 | 0.0 | 0.0 | -23.1 | 1.9 | 0 | 17 |
| 180 | -64.9 | 0.0 | 0.0 | -14.0 | 4.4 | 0 | 6 |
| 195 | 2.0 | 0.0 | 0.0 | -1.6 | -1.4 | 0 | 712 |
| 210 | 30.1 | 0.0 | 0.0 | 6.0 | -3.3 | 0 | 111 |
| 225 | 110.2 | 0.0 | 0.0 | 21.8 | -4.8 | 0 | 44 |
| 240 | 165.0 | 0.0 | 0.0 | 34.6 | -3.8 | 0 | 23 |
| 255 | 187.2 | 0.0 | 0.0 | 38.8 | 1.9 | 0 | 50 |
| 270 | 68.0 | 0.0 | 0.0 | 10.2 | 1.0 | 0 | 5 |
| 285 | 170.9 | 0.0 | 0.0 | 35.0 | 9.9 | 0 | -15 |
| 300 | 144.6 | 0.0 | 0.0 | 29.8 | 8.8 | 0 | -26 |
| 315 | 82.8 | 0.0 | 0.0 | 15.4 | 4.8 | 0 | -58 |
| 330 | 11.9 | 0.0 | 0.0 | 1.7 | 3.3 | 0 | -88 |
| 345 | -5.4 | 0.0 | 0.0 | -2.3 | 1.4 | 0 | 269 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | EAST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | | | | GUST FACTOR 1.30 | | |
|--------------------------------------|--------|---|-----|--------------|---|----------------|-----|------------|-------|--------------|-----|-----------------------------|-----|-----|
| WIND DIRECTION 0 | | CONFIGURATION A | | | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | -2.3 | 0.0 | 529 | 0 | -4.3 | 0.0 | 0 | -76 | -5.3 | 0.0 | 0.0 | -.1 | -.4 |
| 2ND | 17.50 | -.7 | 0.0 | 601 | 0 | -1.1 | 0.0 | 0 | -229 | -3.0 | 0.0 | 0.0 | -.1 | -.2 |
| 3RD | 40.00 | -.8 | 0.0 | 1059 | 0 | -.8 | 0.0 | 0 | -151 | -2.2 | 0.0 | 0.0 | -.0 | -.0 |
| 4TH | 75.00 | .3 | 0.0 | 1513 | 0 | .2 | 0.0 | 0 | 313 | -1.4 | 0.0 | 0.0 | .1 | .1 |
| 5TH | 125.00 | -1.9 | 0.0 | 1513 | 0 | -1.3 | 0.0 | 0 | -153 | -1.7 | 0.0 | 0.0 | .1 | .2 |
| 6TH | 175.00 | -4.9 | 0.0 | 1134 | 0 | -4.4 | 0.0 | 0 | -118 | .2 | 0.0 | 0.0 | .2 | .5 |
| 7TH | 212.50 | 4.9 | 0.0 | 3102 | 0 | 1.6 | 0.0 | 0 | -155 | 5.1 | 0.0 | 0.0 | .1 | 1.0 |
| 8TH | 237.50 | .2 | 0.0 | 1625 | 0 | .1 | 0.0 | 0 | -1222 | .2 | 0.0 | 0.0 | .0 | .3 |
| TOP | 255.25 | .2 | 0.0 | 1625 | 0 | .1 | 0.0 | 0 | -1222 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAM : EAST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | | | | | | | | |
|---|--------|-----------------|-----|--------------|---|----------------|-----|------------|-------|------------------|-----|-----------------------|------|------|
| WIND DIRECTION 15 | | CONFIGURATION A | | | | | | | | GUST FACTOR 1.30 | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | -2.6 | 0.0 | 529 | 0 | -4.9 | 0.0 | 0 | -99 | -23.8 | 0.0 | 0.0 | -3.2 | -1.9 |
| 2ND | 17.50 | -1.0 | 0.0 | 681 | 0 | -1.5 | 0.0 | 0 | -276 | -21.2 | 0.0 | 0.0 | -2.8 | -1.7 |
| 3RD | 40.00 | -3.7 | 0.0 | 1059 | 0 | -3.5 | 0.0 | 0 | -115 | -20.2 | 0.0 | 0.0 | -2.3 | -1.4 |
| 4TH | 75.00 | -3.9 | 0.0 | 1513 | 0 | -2.6 | 0.0 | 0 | -169 | -16.5 | 0.0 | 0.0 | -1.7 | -.9 |
| 5TH | 125.00 | -4.4 | 0.0 | 1513 | 0 | -2.9 | 0.0 | 0 | -148 | -12.6 | 0.0 | 0.0 | -.9 | -.3 |
| 6TH | 175.00 | -3.3 | 0.0 | 1134 | 0 | -2.9 | 0.0 | 0 | -202 | -8.2 | 0.0 | 0.0 | -.4 | .4 |
| 7TH | 212.50 | .3 | 0.0 | 3102 | 0 | .1 | 0.0 | 0 | -2560 | -4.9 | 0.0 | 0.0 | -.2 | 1.0 |
| 8TH | 237.50 | -5.2 | 0.0 | 1625 | 0 | -3.2 | 0.0 | 0 | 62 | -5.2 | 0.0 | 0.0 | -.0 | .3 |
| TOP | 255.25 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : EAST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | | | | | | | | |
|--|--------|-----------------|-----|--------------|---|----------------|-----|------------|-----------------------------|--------------|-----|-----------------------|------------------|-----|
| WIND DIRECTION 30 | | CONFIGURATION A | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | | GUST FACTOR 1.30 | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | | | | | | | | | -33.5 | 0.0 | 0.0 | -21.5 | 6.6 |
| 2ND | 17.50 | 7.2 | 0.0 | 929 | 0 | 13.6 | 0.0 | 0 | -54 | -40.7 | 0.0 | 0.0 | -20.9 | 6.4 |
| 3RD | 40.00 | 11.4 | 0.0 | 681 | 0 | 16.7 | 0.0 | 0 | -44 | -52.0 | 0.0 | 0.0 | -19.8 | 5.9 |
| 4TH | 75.00 | 15.9 | 0.0 | 1059 | 0 | 15.0 | 0.0 | 0 | -48 | -67.9 | 0.0 | 0.0 | -17.7 | 5.1 |
| 5TH | 125.00 | 23.9 | 0.0 | 1513 | 0 | 15.8 | 0.0 | 0 | -42 | -91.8 | 0.0 | 0.0 | -13.7 | 4.1 |
| 6TH | 175.00 | 31.7 | 0.0 | 1513 | 0 | 21.0 | 0.0 | 0 | -46 | -123.5 | 0.0 | 0.0 | -8.4 | 2.6 |
| 7TH | 212.50 | 25.7 | 0.0 | 1134 | 0 | 22.6 | 0.0 | 0 | -47 | -149.1 | 0.0 | 0.0 | -3.2 | 1.4 |
| 8TH | 237.50 | -84.7 | 0.0 | 3102 | 0 | -27.3 | 0.0 | 0 | 16 | -64.4 | 0.0 | 0.0 | -.6 | .0 |
| TOP | 255.25 | -64.4 | 0.0 | 1625 | 0 | -39.6 | 0.0 | 0 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS 1 EAST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | | | | | | | | |
|--|--------|-----------------|-----|--------------|---|----------------|-----|------------|------|-----------------------------|-----|-----------------------|------------------|------|
| WIND DIRECTION 45 | | CONFIGURATION A | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | GUST FACTOR 1.30 | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | | | | | | | | | -175.8 | 0.0 | 0.0 | -52.2 | 11.6 |
| 2ND | 17.50 | 7.7 | 0.0 | 529 | 0 | 14.3 | 0.0 | 0 | -85 | -183.4 | 0.0 | 0.0 | -49.0 | 11.0 |
| 3RD | 40.00 | 11.0 | 0.0 | 681 | 0 | 16.2 | 0.0 | 0 | -70 | -194.5 | 0.0 | 0.0 | -44.8 | 10.2 |
| 4TH | 75.00 | 12.6 | 0.0 | 1059 | 0 | 11.9 | 0.0 | 0 | -98 | -207.1 | 0.0 | 0.0 | -37.8 | 9.0 |
| 5TH | 125.00 | 20.6 | 0.0 | 1313 | 0 | 13.6 | 0.0 | 0 | -99 | -227.7 | 0.0 | 0.0 | -26.9 | 6.9 |
| 6TH | 175.00 | 19.0 | 0.0 | 1313 | 0 | 12.6 | 0.0 | 0 | -124 | -246.7 | 0.0 | 0.0 | -15.0 | 4.6 |
| 7TH | 212.50 | 13.6 | 0.0 | 1134 | 0 | 12.0 | 0.0 | 0 | -138 | -260.2 | 0.0 | 0.0 | -9.3 | 2.4 |
| 8TH | 237.50 | -154.2 | 0.0 | 3102 | 0 | -49.7 | 0.0 | 0 | 14 | -166.0 | 0.0 | 0.0 | -9 | .3 |
| TOP | 259.25 | -106.0 | 0.0 | 1625 | 0 | -65.2 | 0.0 | 0 | 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS EAST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | | | | | | | | |
|--|--------|--------------|-----|-----------------|---|-----------------------------|-----|------------|-----|--------------|------------------|-----------------------|-------|------|
| WIND DIRECTION | | 60 | | CONFIGURATION A | | REFERENCE PRESSURE 21.0 PSF | | | | | GUST FACTOR 1.30 | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | | | | | | | | | -328.6 | 0.0 | 0.0 | -71.0 | 11.0 |
| 2ND | 17.50 | -1.9 | 0.0 | 529 | 0 | -3.7 | 0.0 | 0 | 304 | -326.6 | 0.0 | 0.0 | -65.2 | 10.4 |
| 3RD | 40.00 | -2.7 | 0.0 | 681 | 0 | -3.9 | 0.0 | 0 | 301 | -323.9 | 0.0 | 0.0 | -57.9 | 9.6 |
| 4TH | 75.00 | -7.6 | 0.0 | 1059 | 0 | -7.2 | 0.0 | 0 | 172 | -316.3 | 0.0 | 0.0 | -46.7 | 8.3 |
| 5TH | 125.00 | -11.9 | 0.0 | 1513 | 0 | -7.9 | 0.0 | 0 | 166 | -304.4 | 0.0 | 0.0 | -31.2 | 6.3 |
| 6TH | 175.00 | -14.9 | 0.0 | 1513 | 0 | -9.8 | 0.0 | 0 | 150 | -289.5 | 0.0 | 0.0 | -16.3 | 4.1 |
| 7TH | 212.50 | -9.8 | 0.0 | 1134 | 0 | -8.7 | 0.0 | 0 | 196 | -279.7 | 0.0 | 0.0 | -5.7 | 2.2 |
| 8TH | 237.50 | -178.0 | 0.0 | 3102 | 0 | -57.4 | 0.0 | 0 | 11 | -161.7 | 0.0 | 0.0 | -.9 | .3 |
| TOP | 255.25 | -101.7 | 0.0 | 1625 | 0 | -62.6 | 0.0 | 0 | 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : EAST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | | | | | | | | | |
|--|--------|-----------------|-----|--------------|---|----------------|-----|------------|-----|-----------------------------|-----|-----------------------|------------------|-----|--|
| WIND DIRECTION 75 | | CONFIGURATION A | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | GUST FACTOR 1.30 | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z | |
| 1ST | 0.00 | -1.9 | 0.0 | 529 | 0 | -3.7 | 0.0 | 0 | 208 | -314.6 | 0.0 | 0.0 | -66.0 | 6.4 | |
| 2ND | 17.50 | -4.0 | 0.0 | 681 | 0 | -5.9 | 0.0 | 0 | 129 | -312.6 | 0.0 | 0.0 | -60.5 | 6.0 | |
| 3RD | 40.00 | -10.5 | 0.0 | 1059 | 0 | -9.9 | 0.0 | 0 | 78 | -308.6 | 0.0 | 0.0 | -53.5 | 5.5 | |
| 4TH | 75.00 | -16.6 | 0.0 | 1513 | 0 | -11.0 | 0.0 | 0 | 74 | -298.1 | 0.0 | 0.0 | -42.9 | 4.6 | |
| 5TH | 125.00 | -17.0 | 0.0 | 1513 | 0 | -11.3 | 0.0 | 0 | 79 | -281.6 | 0.0 | 0.0 | -28.4 | 3.4 | |
| 6TH | 175.00 | -13.6 | 0.0 | 1134 | 0 | -12.0 | 0.0 | 0 | 91 | -264.5 | 0.0 | 0.0 | -14.7 | 2.1 | |
| 7TH | 212.50 | -160.7 | 0.0 | 3102 | 0 | -51.8 | 0.0 | 0 | 4 | -251.0 | 0.0 | 0.0 | -5.1 | .8 | |
| 8TH | 237.50 | -90.3 | 0.0 | 1625 | 0 | -55.6 | 0.0 | 0 | 1 | -90.3 | 0.0 | 0.0 | -.8 | .1 | |
| TOP | 255.25 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | | | | | | | | | | | | | |
|--------------------------------------|--------|---|-----|--------------|---|----------------|-----|------------|----|--------------|-----|-----------------------------|-------|------|
| WIND DIRECTION 90 | | EAST SIDE, SMUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | | | | GUST FACTOR 1.30 | | |
| | | CONFIGURATION A | | | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | 1.6 | 0.0 | 529 | 0 | 3.1 | 0.0 | 0 | -1 | -211.0 | 0.0 | 0.0 | -46.1 | .0 |
| 2ND | 17.50 | - .2 | 0.0 | 681 | 0 | - .3 | 0.0 | 0 | 10 | -212.7 | 0.0 | 0.0 | -42.4 | .0 |
| 3RD | 40.00 | -5.8 | 0.0 | 1059 | 0 | -5.5 | 0.0 | 0 | 0 | -212.5 | 0.0 | 0.0 | -37.6 | .0 |
| 4TH | 75.00 | -9.3 | 0.0 | 1513 | 0 | -6.1 | 0.0 | 0 | 0 | -206.7 | 0.0 | 0.0 | -30.3 | .0 |
| 5TH | 123.00 | -9.6 | 0.0 | 1513 | 0 | -6.4 | 0.0 | 0 | 0 | -197.4 | 0.0 | 0.0 | -20.2 | .0 |
| 6TH | 173.00 | -6.5 | 0.0 | 1134 | 0 | -5.8 | 0.0 | 0 | 1 | -187.8 | 0.0 | 0.0 | -10.5 | .0 |
| 7TH | 212.50 | -118.1 | 0.0 | 3102 | 0 | -38.1 | 0.0 | 0 | -0 | -181.3 | 0.0 | 0.0 | -3.6 | - .0 |
| 8TH | 237.50 | -63.2 | 0.0 | 1625 | 0 | -38.9 | 0.0 | 0 | 0 | -63.2 | 0.0 | 0.0 | - .6 | .0 |
| TOP | 255.25 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | EAST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | GUST FACTOR 1.30 | | | | | |
|--------------------------------------|--------|---|-----|--------------|---|----------------|-----|------------|-----------------------------|--------------|-----|-----------------------|-------|------|
| WIND DIRECTION 195 | | CONFIGURATION A | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | | | | | | | | | -261.2 | 0.0 | 0.0 | -53.5 | -6.4 |
| 2ND | 17.50 | -1.9 | 0.0 | 529 | 0 | -3.7 | 0.0 | 0 | -207 | -259.3 | 0.0 | 0.0 | -49.0 | -6.0 |
| 3RD | 40.00 | -4.0 | 0.0 | 681 | 0 | -5.9 | 0.0 | 0 | -128 | -253.3 | 0.0 | 0.0 | -43.2 | -5.4 |
| 4TH | 75.00 | -10.5 | 0.0 | 1059 | 0 | -9.9 | 0.0 | 0 | -78 | -244.8 | 0.0 | 0.0 | -34.4 | -4.6 |
| 5TH | 125.00 | -16.6 | 0.0 | 1513 | 0 | -11.0 | 0.0 | 0 | -74 | -228.1 | 0.0 | 0.0 | -22.6 | -3.4 |
| 6TH | 175.00 | -17.1 | 0.0 | 1513 | 0 | -11.3 | 0.0 | 0 | -79 | -211.0 | 0.0 | 0.0 | -11.6 | -2.1 |
| 7TH | 212.50 | -13.6 | 0.0 | 1134 | 0 | -12.0 | 0.0 | 0 | -91 | -197.4 | 0.0 | 0.0 | -4.0 | -1.8 |
| 8TH | 237.50 | -126.6 | 0.0 | 3102 | 0 | -40.8 | 0.0 | 0 | -4 | -76.8 | 0.0 | 0.0 | -6 | -1 |
| TOP | 255.25 | -70.8 | 0.0 | 1625 | 0 | -43.6 | 0.0 | 0 | -2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | | | | | | | | | | | | | |
|--------------------------------------|--------|---|-----|-----------------------------|---|----------------|-----|------------|------|--------------|-----|-----------------------|-------|-------|
| WIND DIRECTION 120 | | EAST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | | | | GUST FACTOR 1.30 | | |
| | | CONFIGURATION A | | REFERENCE PRESSURE 21.0 PSF | | | | | | | | MOMENT (1000-FT-KIPS) | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | X | Y | Z |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | | | |
| 1ST | 0.00 | -2.0 | 0.0 | 529 | 0 | -3.7 | 0.0 | 0 | -302 | -267.1 | 0.0 | 0.0 | -56.6 | -11.0 |
| 2ND | 17.50 | -2.7 | 0.0 | 681 | 0 | -4.0 | 0.0 | 0 | -298 | -265.2 | 0.0 | 0.0 | -52.0 | -10.4 |
| 3RD | 40.00 | -7.7 | 0.0 | 1059 | 0 | -7.2 | 0.0 | 0 | -171 | -262.5 | 0.0 | 0.0 | -46.0 | -9.6 |
| 4TH | 73.00 | -12.0 | 0.0 | 1313 | 0 | -7.9 | 0.0 | 0 | -165 | -254.8 | 0.0 | 0.0 | -37.0 | -8.3 |
| 5TH | 123.00 | -15.0 | 0.0 | 1513 | 0 | -9.9 | 0.0 | 0 | -149 | -242.8 | 0.0 | 0.0 | -24.5 | -6.3 |
| 6TH | 173.00 | -9.9 | 0.0 | 1134 | 0 | -8.7 | 0.0 | 0 | -195 | -227.8 | 0.0 | 0.0 | -12.8 | -4.1 |
| 7TH | 212.50 | -139.1 | 0.0 | 3102 | 0 | -44.8 | 0.0 | 0 | -13 | -217.9 | 0.0 | 0.0 | -4.4 | -2.2 |
| 8TH | 237.50 | -78.8 | 0.0 | 1625 | 0 | -48.5 | 0.0 | 0 | -4 | -78.8 | 0.0 | 0.0 | -.7 | -.3 |
| TOP | 255.25 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | | | | | | | | | | | | EAST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | |
|--------------------------------------|--------|-----------------|-----|--------------|---|----------------|-----|-----------------------------|-----|--------------|-----|-----------------------|---|-------|--|
| WIND DIRECTION 135 | | CONFIGURATION A | | | | | | REFERENCE PRESSURE 21.0 PSF | | | | GUST FACTOR 1.30 | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z | |
| 1ST | 0.00 | | | | | | | | | -95.6 | 0.0 | 0.0 | -33.5 | -11.6 | |
| 2ND | 17.30 | 7.7 | 0.0 | 529 | 0 | 14.5 | 0.0 | 0 | 85 | -103.2 | 0.0 | 0.0 | -31.0 | -11.0 | |
| 3RD | 40.00 | 11.1 | 0.0 | 681 | 0 | 16.3 | 0.0 | 0 | 70 | -114.3 | 0.0 | 0.0 | -29.3 | -10.2 | |
| 4TH | 75.00 | 12.6 | 0.0 | 1059 | 0 | 11.9 | 0.0 | 0 | 98 | -126.9 | 0.0 | 0.0 | -25.1 | -9.0 | |
| 5TH | 125.00 | 20.6 | 0.0 | 1513 | 0 | 13.6 | 0.0 | 0 | 98 | -147.6 | 0.0 | 0.0 | -18.3 | -6.9 | |
| 6TH | 175.00 | 19.0 | 0.0 | 1513 | 0 | 12.6 | 0.0 | 0 | 124 | -166.6 | 0.0 | 0.0 | -10.4 | -4.6 | |
| 7TH | 212.50 | 13.6 | 0.0 | 1134 | 0 | 12.0 | 0.0 | 0 | 157 | -180.2 | 0.0 | 0.0 | -3.9 | -2.4 | |
| 8TH | 237.50 | -103.3 | 0.0 | 3102 | 0 | -33.3 | 0.0 | 0 | -20 | -76.8 | 0.0 | 0.0 | -.7 | -.3 | |
| TOP | 255.25 | -76.8 | 0.0 | 1625 | 0 | -47.3 | 0.0 | 0 | -4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

TABLE 7. SHEAR AND MOMENT DIAGRAMS : EAST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A
 WIND DIRECTION 150 CONFIGURATION A REFERENCE PRESSURE 21.0 PSF

| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | GUST FACTOR 1.30 MOMENT (1000-FT-KIPS) | | |
|-------|--------|--------------|-----|--------------|---|----------------|-----|------------|-----|--------------|-----|---|-------|------|
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | | | | | | | | | 17.3 | 0.0 | 0.0 | -9.7 | -6.8 |
| 2ND | 17.50 | 7.2 | 0.0 | 529 | 0 | 13.6 | 0.0 | 0 | 54 | 10.1 | 0.0 | 0.0 | -10.0 | -6.4 |
| 3RD | 40.00 | 11.4 | 0.0 | 681 | 0 | 16.7 | 0.0 | 0 | 44 | -1.3 | 0.0 | 0.0 | -10.1 | -5.9 |
| 4TH | 75.00 | 15.9 | 0.0 | 1059 | 0 | 15.0 | 0.0 | 0 | 48 | -17.2 | 0.0 | 0.0 | -9.7 | -5.1 |
| 5TH | 125.00 | 23.9 | 0.0 | 1513 | 0 | 15.8 | 0.0 | 0 | 43 | -41.1 | 0.0 | 0.0 | -8.3 | -4.1 |
| 6TH | 175.00 | 31.7 | 0.0 | 1513 | 0 | 21.0 | 0.0 | 0 | 46 | -72.8 | 0.0 | 0.0 | -5.4 | -2.6 |
| 7TH | 212.50 | 25.7 | 0.0 | 1134 | 0 | 22.7 | 0.0 | 0 | 47 | -98.5 | 0.0 | 0.0 | -2.2 | -1.4 |
| 8TH | 237.50 | -51.7 | 0.0 | 3102 | 0 | -16.7 | 0.0 | 0 | -27 | -46.8 | 0.0 | 0.0 | -4 | -0 |
| TOP | 255.25 | -46.8 | 0.0 | 1625 | 0 | -28.8 | 0.0 | 0 | -1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS) EAST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | | | | | | | | |
|--|--------|-----------------|-----|--------------|---|----------------|-----|------------|-----|--------------|-----|-----------------------|-------|------|
| WIND DIRECTION 165 | | CONFIGURATION A | | | | | | | | | | GUST FACTOR 1.30 | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | -2.6 | 0.0 | 329 | 0 | -4.9 | 0.0 | 0 | 99 | -109.7 | 0.0 | 0.0 | -23.1 | 1.9 |
| 2ND | 17.50 | -1.0 | 0.0 | 681 | 0 | -1.5 | 0.0 | 0 | 275 | -107.1 | 0.0 | 0.0 | -21.2 | 1.7 |
| 3RD | 40.00 | -3.7 | 0.0 | 1059 | 0 | -3.5 | 0.0 | 0 | 115 | -106.1 | 0.0 | 0.0 | -18.8 | 1.4 |
| 4TH | 75.00 | -3.9 | 0.0 | 1513 | 0 | -2.6 | 0.0 | 0 | 169 | -102.4 | 0.0 | 0.0 | -15.2 | .9 |
| 5TH | 125.00 | -4.4 | 0.0 | 1513 | 0 | -2.9 | 0.0 | 0 | 147 | -98.5 | 0.0 | 0.0 | -10.2 | .3 |
| 6TH | 175.00 | -3.3 | 0.0 | 1134 | 0 | -2.9 | 0.0 | 0 | 201 | -94.0 | 0.0 | 0.0 | -5.4 | -.4 |
| 7TH | 212.50 | -54.6 | 0.0 | 3102 | 0 | -17.6 | 0.0 | 0 | -13 | -90.7 | 0.0 | 0.0 | -1.9 | -1.0 |
| 8TH | 237.50 | -36.1 | 0.0 | 1625 | 0 | -22.2 | 0.0 | 0 | -9 | -36.1 | 0.0 | 0.0 | -.3 | -.3 |
| TOP | 255.25 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

TABLE 7. SHEAR AND MOMENT DIAGRAMS : EAST SIDE, SMUTLE ASSEMBLY BUILDING, CONFIGURATION A
WIND DIRECTION 180 CONFIGURATION A REFERENCE PRESSURE 21.0 PSF

| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | GUST FACTOR 1.30 MOMENT (1000-FT-KIPS) | | |
|-------|--------|--------------|-----|--------------|---|----------------|-----|------------|------|--------------|-----|---|-------|------|
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | | | | | | | | | -64.9 | 0.0 | 0.0 | -14.0 | .4 |
| 2ND | 17.50 | -2.3 | 0.0 | 529 | 0 | -4.3 | 0.0 | 0 | 76 | -62.6 | 0.0 | 0.0 | -12.9 | .2 |
| 3RD | 40.00 | -.7 | 0.0 | 681 | 0 | -1.1 | 0.0 | 0 | 226 | -61.8 | 0.0 | 0.0 | -11.5 | .0 |
| 4TH | 75.00 | -.8 | 0.0 | 1059 | 0 | -.8 | 0.0 | 0 | 150 | -61.0 | 0.0 | 0.0 | -9.3 | -.1 |
| 5TH | 125.00 | .3 | 0.0 | 1513 | 0 | .2 | 0.0 | 0 | -317 | -61.3 | 0.0 | 0.0 | -6.3 | -.2 |
| 6TH | 175.00 | -1.9 | 0.0 | 1513 | 0 | -1.3 | 0.0 | 0 | 150 | -59.4 | 0.0 | 0.0 | -3.3 | -.5 |
| 7TH | 212.50 | -4.9 | 0.0 | 1134 | 0 | -4.4 | 0.0 | 0 | 118 | -54.4 | 0.0 | 0.0 | -1.1 | -1.0 |
| 8TH | 237.50 | -33.2 | 0.0 | 3102 | 0 | -10.7 | 0.0 | 0 | -23 | -21.2 | 0.0 | 0.0 | -.2 | -.3 |
| TOP | 255.25 | -21.2 | 0.0 | 1625 | 0 | -13.1 | 0.0 | 0 | -13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

TABLE 7. SHEAR AND MOMENT DIAGRAMS 1 EAST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A
WIND DIRECTION 195 CONFIGURATION A REFERENCE PRESSURE 21.0 PSF

| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | GUST FACTOR 1.30 MOMENT (1000-FT-KIPS) | | |
|-------|--------|--------------|-----|--------------|---|----------------|-----|------------|------|--------------|-----|---|------|------|
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | | | | | | | | | 2.0 | 0.0 | 0.0 | -1.6 | -1.4 |
| 2ND | 17.50 | .4 | 0.0 | 529 | 0 | .7 | 0.0 | 0 | 104 | 1.6 | 0.0 | 0.0 | -1.6 | -1.4 |
| 3RD | 40.00 | 2.1 | 0.0 | 601 | 0 | 3.0 | 0.0 | 0 | 35 | .4 | 0.0 | 0.0 | -1.6 | -1.3 |
| 4TH | 75.00 | 1.0 | 0.0 | 1059 | 0 | 1.0 | 0.0 | 0 | 99 | -1.4 | 0.0 | 0.0 | -1.6 | -1.2 |
| 5TH | 125.00 | 1.8 | 0.0 | 1513 | 0 | 1.2 | 0.0 | 0 | 84 | -3.2 | 0.0 | 0.0 | -1.5 | -1.1 |
| 6TH | 175.00 | 1.3 | 0.0 | 1513 | 0 | .9 | 0.0 | 0 | 78 | -4.5 | 0.0 | 0.0 | -1.3 | -1.0 |
| 7TH | 212.50 | .2 | 0.0 | 1134 | 0 | .2 | 0.0 | 0 | 228 | -4.7 | 0.0 | 0.0 | -1.1 | -1.9 |
| 8TH | 237.50 | -2.0 | 0.0 | 3102 | 0 | -1.6 | 0.0 | 0 | -379 | -2.7 | 0.0 | 0.0 | -1.0 | -1.2 |
| TOP | 255.25 | -2.7 | 0.0 | 1625 | 0 | -1.7 | 0.0 | 0 | -69 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | EAST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | | GUST FACTOR 1.30 | | | | |
|--------------------------------------|--------|---|-----|--------------|---|-----------------------------|-----|------------|------|------------------|-----|-----------------------|-----|------|
| WIND DIRECTION 210 | | CONFIGURATION A | | | | REFERENCE PRESSURE 21.0 PSF | | | | | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | .2 | 0.0 | 529 | 0 | .4 | 0.0 | 0 | 1481 | 30.1 | 0.0 | 0.0 | 6.0 | -3.3 |
| 2ND | 17.50 | .7 | 0.0 | 681 | 0 | 1.0 | 0.0 | 0 | 449 | 29.9 | 0.0 | 0.0 | 5.4 | -3.0 |
| 3RD | 40.00 | -1.0 | 0.0 | 1059 | 0 | -.9 | 0.0 | 0 | -487 | 29.2 | 0.0 | 0.0 | 4.8 | -2.7 |
| 4TH | 75.00 | 6.1 | 0.0 | 1513 | 0 | 4.0 | 0.0 | 0 | 147 | 30.2 | 0.0 | 0.0 | 3.7 | -2.2 |
| 5TH | 125.00 | 1.7 | 0.0 | 1513 | 0 | 1.1 | 0.0 | 0 | 243 | 24.0 | 0.0 | 0.0 | 2.4 | -1.3 |
| 6TH | 175.00 | 2.4 | 0.0 | 1134 | 0 | 2.2 | 0.0 | 0 | 134 | 22.3 | 0.0 | 0.0 | 1.2 | -.9 |
| 7TH | 212.50 | 11.8 | 0.0 | 3102 | 0 | 3.8 | 0.0 | 0 | 47 | 19.9 | 0.0 | 0.0 | .4 | -.6 |
| 8TH | 237.50 | 8.0 | 0.0 | 1625 | 0 | 4.9 | 0.0 | 0 | 6 | 8.0 | 0.0 | 0.0 | .1 | -.0 |
| TGP | 255.25 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

TABLE 7. SHEAR AND MOMENT DIAGRAMS : EAST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A
 WIND DIRECTION 225 CONFIGURATION A REFERENCE PRESSURE 21.0 PSF

| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | GUST FACTOR 1.30 MOMENT (1000-FT-KIPS) | | |
|-------|--------|--------------|-----|--------------|---|----------------|-----|------------|-----|--------------|-----|---|------|------|
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | | | | | | | | | 110.2 | 0.0 | 0.0 | 21.8 | -4.8 |
| 2ND | 17.50 | 2.0 | 0.0 | 529 | 0 | 3.7 | 0.0 | 0 | 244 | 108.3 | 0.0 | 0.0 | 19.8 | -4.3 |
| 3RD | 40.00 | 2.5 | 0.0 | 681 | 0 | 3.7 | 0.0 | 0 | 191 | 105.7 | 0.0 | 0.0 | 17.4 | -3.8 |
| 4TH | 75.00 | 3.3 | 0.0 | 1059 | 0 | 3.2 | 0.0 | 0 | 229 | 102.4 | 0.0 | 0.0 | 13.8 | -3.1 |
| 5TH | 125.00 | 11.6 | 0.0 | 1513 | 0 | 7.7 | 0.0 | 0 | 106 | 90.7 | 0.0 | 0.0 | 9.0 | -1.9 |
| 6TH | 175.00 | 7.0 | 0.0 | 1513 | 0 | 4.6 | 0.0 | 0 | 123 | 83.7 | 0.0 | 0.0 | 4.6 | -1.0 |
| 7TH | 212.50 | 6.1 | 0.0 | 1134 | 0 | 5.4 | 0.0 | 0 | 105 | 77.6 | 0.0 | 0.0 | 1.6 | -1.4 |
| 8TH | 237.50 | 49.3 | 0.0 | 3102 | 0 | 15.9 | 0.0 | 0 | 9 | 28.3 | 0.0 | 0.0 | .3 | .1 |
| TOP | 295.25 | 28.3 | 0.0 | 1625 | 0 | 17.4 | 0.0 | 0 | -2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

TABLE 7. SHEAR AND MOMENT DIAGRAMS : EAST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A
 WIND DIRECTION 240 CONFIGURATION A REFERENCE PRESSURE 21.0 PSF

| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
|-------|--------|--------------|-----|--------------|---|----------------|-----|------------|-----|--------------|-----|-----------------------|------|------|
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | | | | | | | | | 165.0 | 0.0 | 0.0 | 34.6 | -3.8 |
| 2ND | 17.50 | 2.2 | 0.0 | 529 | 0 | 4.1 | 0.0 | 0 | 201 | 162.9 | 0.0 | 0.0 | 31.7 | -3.4 |
| 3RD | 40.00 | 3.6 | 0.0 | 681 | 0 | 5.3 | 0.0 | 0 | 106 | 159.2 | 0.0 | 0.0 | 28.1 | -3.0 |
| 4TH | 75.00 | 3.9 | 0.0 | 1059 | 0 | 3.7 | 0.0 | 0 | 158 | 155.3 | 0.0 | 0.0 | 22.6 | -2.4 |
| 5TH | 125.00 | 10.1 | 0.0 | 1513 | 0 | 6.7 | 0.0 | 0 | 106 | 145.2 | 0.0 | 0.0 | 15.1 | -1.3 |
| 6TH | 175.00 | 5.4 | 0.0 | 1513 | 0 | 3.6 | 0.0 | 0 | 148 | 139.8 | 0.0 | 0.0 | 8.0 | -.5 |
| 7TH | 212.50 | 4.1 | 0.0 | 1134 | 0 | 3.6 | 0.0 | 0 | 143 | 135.7 | 0.0 | 0.0 | 2.8 | .1 |
| 8TH | 237.50 | 84.7 | 0.0 | 3102 | 0 | 27.3 | 0.0 | 0 | 1 | 51.0 | 0.0 | 0.0 | .5 | .1 |
| TOP | 255.25 | 51.0 | 0.0 | 1625 | 0 | 31.4 | 0.0 | 0 | -2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

TABLE 7. SHEAR AND MOMENT DIAGRAMS : EAST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A
 WIND DIRECTION 233 CONFIGURATION A REFERENCE PRESSURE 21.0 PSF

| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | GUST FACTOR 1.30 MOMENT (1000-FT-KIPS) | | |
|-------|--------|--------------|-----|--------------|---|----------------|-----|------------|-----|--------------|-----|---|------|-----|
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | | | | | | | | | 187.2 | 0.0 | 0.0 | 38.8 | -9 |
| 2ND | 17.50 | 3.9 | 0.0 | 529 | 0 | 7.4 | 0.0 | 0 | 48 | 183.2 | 0.0 | 0.0 | 35.5 | -7 |
| 3RD | 40.00 | 6.1 | 0.0 | 681 | 0 | 8.9 | 0.0 | 0 | 9 | 177.2 | 0.0 | 0.0 | 31.5 | -7 |
| 4TH | 75.00 | 6.3 | 0.0 | 1059 | 0 | 6.0 | 0.0 | 0 | 33 | 170.8 | 0.0 | 0.0 | 25.4 | -5 |
| 5TH | 125.00 | 9.1 | 0.0 | 1513 | 0 | 6.0 | 0.0 | 0 | 61 | 161.8 | 0.0 | 0.0 | 17.1 | .1 |
| 6TH | 175.00 | 4.0 | 0.0 | 1513 | 0 | 2.7 | 0.0 | 0 | 107 | 157.7 | 0.0 | 0.0 | 9.1 | .5 |
| 7TH | 212.50 | 1.5 | 0.0 | 1134 | 0 | 1.3 | 0.0 | 0 | 203 | 156.2 | 0.0 | 0.0 | 3.2 | .8 |
| 8TH | 237.50 | 97.7 | 0.0 | 3102 | 0 | 31.5 | 0.0 | 0 | -6 | 58.5 | 0.0 | 0.0 | .5 | .2 |
| TOP | 295.25 | 98.5 | 0.0 | 1625 | 0 | 36.0 | 0.0 | 0 | -3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : EAST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | | | | | | | | | |
|--|--------|-----------------|-----|--------------|---|----------------|-----|------------|----|-----------------------------|-----|-----------------------|------|------------------|--|
| WIND DIRECTION 270 | | CONFIGURATION A | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | | GUST FACTOR 1.30 | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z | |
| 1ST | 0.00 | 5.3 | 0.0 | 529 | 0 | 10.0 | 0.0 | 0 | 0 | 68.0 | 0.0 | 0.0 | 10.2 | -0.0 | |
| 2ND | 17.50 | 7.2 | 0.0 | 681 | 0 | 10.6 | 0.0 | 0 | -0 | 62.7 | 0.0 | 0.0 | 9.1 | -0.0 | |
| 3RD | 40.00 | 7.5 | 0.0 | 1059 | 0 | 7.1 | 0.0 | 0 | 0 | 55.5 | 0.0 | 0.0 | 7.8 | -0.0 | |
| 4TH | 75.00 | 8.7 | 0.0 | 1513 | 0 | 5.8 | 0.0 | 0 | 0 | 48.0 | 0.0 | 0.0 | 5.9 | -0.0 | |
| 5TH | 125.00 | 4.4 | 0.0 | 1513 | 0 | 2.9 | 0.0 | 0 | -0 | 39.2 | 0.0 | 0.0 | 3.8 | -0.0 | |
| 6TH | 175.00 | 1.9 | 0.0 | 1134 | 0 | 1.7 | 0.0 | 0 | 0 | 34.9 | 0.0 | 0.0 | 1.9 | -0.0 | |
| 7TH | 212.50 | 22.3 | 0.0 | 3102 | 0 | 7.2 | 0.0 | 0 | -0 | 33.0 | 0.0 | 0.0 | .6 | -0.0 | |
| 8TH | 237.50 | 10.7 | 0.0 | 1625 | 0 | 6.6 | 0.0 | 0 | -0 | 10.7 | 0.0 | 0.0 | .1 | -0.0 | |
| TOP | 255.25 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | | | | | | | | | | | | | |
|--------------------------------------|--------|---|-----|-----------------------------|---|----------------|-----|------------|------|------------------|-----|-----------------------|------|-----|
| WIND DIRECTION 285 | | EAST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | | GUST FACTOR 1.30 | | | | |
| | | CONFIGURATION A | | REFERENCE PRESSURE 21.0 PSF | | | | | | | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | | | | | | | | | 170.9 | 0.0 | 0.0 | 35.0 | .9 |
| 2ND | 17.50 | 3.9 | 0.0 | 529 | 0 | 7.4 | 0.0 | 0 | -48 | 167.0 | 0.0 | 0.0 | 32.1 | .7 |
| 3RD | 40.00 | 6.1 | 0.0 | 681 | 0 | 8.9 | 0.0 | 0 | -9 | 161.0 | 0.0 | 0.0 | 28.4 | .7 |
| 4TH | 75.00 | 6.3 | 0.0 | 1059 | 0 | 6.0 | 0.0 | 0 | -33 | 154.6 | 0.0 | 0.0 | 22.8 | .5 |
| 5TH | 125.00 | 9.1 | 0.0 | 1513 | 0 | 6.0 | 0.0 | 0 | -61 | 145.5 | 0.0 | 0.0 | 15.3 | -.1 |
| 6TH | 175.00 | 4.1 | 0.0 | 1513 | 0 | 2.7 | 0.0 | 0 | -107 | 141.5 | 0.0 | 0.0 | 8.2 | -.5 |
| 7TH | 212.50 | 1.5 | 0.0 | 1134 | 0 | 1.3 | 0.0 | 0 | -203 | 140.0 | 0.0 | 0.0 | 2.9 | -.8 |
| 8TH | 237.50 | 87.1 | 0.0 | 3192 | 0 | 28.1 | 0.0 | 0 | 7 | 53.0 | 0.0 | 0.0 | .5 | -.2 |
| TOP | 255.25 | 53.0 | 0.0 | 1625 | 0 | 32.6 | 0.0 | 0 | 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | | | | | | | | | | | | | |
|--------------------------------------|--------|---|-----|--------------|---|-----------------------------|-----|------------|------------------|--------------|-----|-----------------------|------|-----|
| WIND DIRECTION 300 | | EAST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | GUST FACTOR 1.30 | | | | | |
| | | CONFIGURATION A | | | | REFERENCE PRESSURE 21.0 PSF | | | | | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | | | | | | | | | 144.6 | 0.0 | 0.0 | 29.8 | 3.8 |
| 2ND | 17.50 | 2.2 | 0.0 | 529 | 0 | 4.1 | 0.0 | 0 | -201 | 142.5 | 0.0 | 0.0 | 27.3 | 3.4 |
| 3RD | 40.00 | 3.6 | 0.0 | 681 | 0 | 5.3 | 0.0 | 0 | -106 | 138.8 | 0.0 | 0.0 | 24.2 | 3.0 |
| 4TH | 75.00 | 3.9 | 0.0 | 1059 | 0 | 3.7 | 0.0 | 0 | -158 | 134.9 | 0.0 | 0.0 | 19.4 | 2.4 |
| 5TH | 125.00 | 10.1 | 0.0 | 1513 | 0 | 6.7 | 0.0 | 0 | -106 | 124.8 | 0.0 | 0.0 | 12.9 | 1.3 |
| 6TH | 175.00 | 5.5 | 0.0 | 1513 | 0 | 3.6 | 0.0 | 0 | -148 | 119.3 | 0.0 | 0.0 | 6.8 | .5 |
| 7TH | 212.50 | 4.1 | 0.0 | 1134 | 0 | 3.6 | 0.0 | 0 | -143 | 115.3 | 0.0 | 0.0 | 2.4 | -1 |
| 8TH | 237.50 | 71.1 | 0.0 | 3102 | 0 | 22.9 | 0.0 | 0 | -1 | 44.2 | 0.0 | 0.0 | .4 | -1 |
| TOP | 255.25 | 44.2 | 0.0 | 1625 | 0 | 27.2 | 0.0 | 0 | 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | EAST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | GUST FACTOR 1.30 | | | | | |
|--------------------------------------|--------|---|-----|--------------|---|----------------|-----|------------|-----------------------------|--------------|-----|-----------------------|------|-----|
| WIND DIRECTION 315 | | CONFIGURATION A | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | | | | | | | | | 82.8 | 0.0 | 0.0 | 13.4 | 4.8 |
| 2ND | 17.50 | 2.0 | 0.0 | 329 | 0 | 3.7 | 0.0 | 0 | -244 | 80.9 | 0.0 | 0.0 | 14.0 | 4.3 |
| 3RD | 40.00 | 2.5 | 0.0 | 681 | 0 | 3.7 | 0.0 | 0 | -190 | 78.3 | 0.0 | 0.0 | 12.2 | 3.8 |
| 4TH | 75.00 | 3.4 | 0.0 | 1059 | 0 | 3.2 | 0.0 | 0 | -228 | 75.0 | 0.0 | 0.0 | 9.5 | 3.1 |
| 5TH | 125.00 | 11.6 | 0.0 | 1513 | 0 | 7.7 | 0.0 | 0 | -105 | 63.3 | 0.0 | 0.0 | 6.0 | 1.9 |
| 6TH | 175.00 | 7.0 | 0.0 | 1513 | 0 | 4.6 | 0.0 | 0 | -123 | 56.3 | 0.0 | 0.0 | 3.0 | 1.0 |
| 7TH | 212.50 | 6.1 | 0.0 | 1134 | 0 | 5.4 | 0.0 | 0 | -104 | 50.2 | 0.0 | 0.0 | 1.0 | .4 |
| 8TH | 237.50 | 31.3 | 0.0 | 3102 | 0 | 10.1 | 0.0 | 0 | -13 | 18.9 | 0.0 | 0.0 | .2 | -.1 |
| TOP | 255.25 | 18.9 | 0.0 | 1625 | 0 | 11.6 | 0.0 | 0 | 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | EAST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | | GUST FACTOR 1.30 | | | | |
|--------------------------------------|--------|---|-----|--------------|---|----------------|-----|------------|---|-----------------------------|-----|-----------------------|-----|-----|
| WIND DIRECTION 330 | | CONFIGURATION A | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | .2 | 0.0 | 329 | 0 | .4 | 0.0 | 0-1461 | | 11.9 | 0.0 | 0.0 | 1.7 | 3.3 |
| 2ND | 17.50 | .7 | 0.0 | 681 | 0 | 1.0 | 0.0 | 0 -447 | | 11.7 | 0.0 | 0.0 | 1.5 | 3.0 |
| 3RD | 40.00 | -1.0 | 0.0 | 1059 | 0 | - .9 | 0.0 | 0 487 | | 11.0 | 0.0 | 0.0 | 1.3 | 2.7 |
| 4TH | 75.00 | 6.1 | 0.0 | 1513 | 0 | 4.0 | 0.0 | 0 -147 | | 12.0 | 0.0 | 0.0 | .9 | 2.2 |
| 5TH | 125.00 | 1.7 | 0.0 | 1513 | 0 | 1.1 | 0.0 | 0 -243 | | 5.8 | 0.0 | 0.0 | .4 | 1.3 |
| 6TH | 175.00 | 2.4 | 0.0 | 1134 | 0 | 2.2 | 0.0 | 0 -134 | | 4.1 | 0.0 | 0.0 | .2 | .9 |
| 7TH | 212.50 | .2 | 0.0 | 3102 | 0 | .1 | 0.0 | 0-3054 | | 1.7 | 0.0 | 0.0 | .1 | .6 |
| 8TH | 237.50 | 1.5 | 0.0 | 1625 | 0 | .9 | 0.0 | 0 -31 | | 1.5 | 0.0 | 0.0 | .0 | .0 |
| TOP | 255.25 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : EAST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A | | | | | | | | | | | | | | |
|--|--------|-----------------|-----|--------------|---|----------------|-----|------------|-----------------------------|--------------|-----|-----------------------|------------------|-----|
| WIND DIRECTION 345 | | CONFIGURATION A | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | | GUST FACTOR 1.30 | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | | | | | | | | | -5.4 | 0.0 | 0.0 | -2.3 | 1.4 |
| 2ND | 17.50 | .4 | 0.0 | 529 | 0 | .7 | 0.0 | 0 | -104 | -5.7 | 0.0 | 0.0 | -2.2 | 1.4 |
| 3RD | 40.00 | 2.1 | 0.0 | 681 | 0 | 3.0 | 0.0 | 0 | -35 | -7.8 | 0.0 | 0.0 | -2.0 | 1.3 |
| 4TH | 75.00 | 1.0 | 0.0 | 1059 | 0 | 1.0 | 0.0 | 0 | -98 | -8.8 | 0.0 | 0.0 | -1.8 | 1.2 |
| 5TH | 125.00 | 1.8 | 0.0 | 1513 | 0 | 1.2 | 0.0 | 0 | -84 | -10.6 | 0.0 | 0.0 | -1.3 | 1.1 |
| 6TH | 175.00 | 1.3 | 0.0 | 1513 | 0 | .9 | 0.0 | 0 | -78 | -11.9 | 0.0 | 0.0 | -.7 | 1.0 |
| 7TH | 212.50 | .2 | 0.0 | 1134 | 0 | .2 | 0.0 | 0 | -223 | -12.1 | 0.0 | 0.0 | -.3 | .9 |
| 8TH | 237.50 | -6.7 | 0.0 | 3102 | 0 | -2.2 | 0.0 | 0 | 112 | -5.4 | 0.0 | 0.0 | -.0 | .2 |
| TOP | 255.25 | -5.4 | 0.0 | 1625 | 0 | -3.3 | 0.0 | 0 | 35 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

TABLE 7. EAST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A
 PROJECT 6082 CONFIGURATION A
 SCALE = 100 REF. PRESSURE = 21.0
 GUST FACTOR = 1.30 STANDARD FLOOR HEIGHT = 50.00
 NUMBER OF SIDES = 2 NO. OF FLOORS = 8

| SIDE | ANGLE | Z-AXIS |
|------|-------|--------|
| 1 | 0.0 | 10.020 |
| 2 | 180.0 | 10.020 |

| FLOOR # | LABEL | HEIGHT-FT |
|---------|-------|-----------|
| 1 | 1ST | 17.50 |
| 2 | 2ND | 22.50 |
| 3 | 3RD | 35.00 |
| 4 | 4TH | 50.00 |
| 5 | 5TH | 30.00 |
| 6 | 6TH | 37.50 |
| 7 | 7TH | 25.00 |
| 8 | 8TH | 17.75 |

TABLE 7. BASE SHEAR AND MOMENT SUMMARY : ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C
 CONFIGURATION C REFERENCE PRESSURE 21.0 GUST FACTOR 1.30

| AZIMUTH | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | | ECCEN (FT) | |
|---------|--------------|-----|-----------------------|-------|------|------------|-----|
| | X | Y | X | Y | Z | X | Y |
| 0 | 105.7 | 0.0 | 0.0 | 18.3 | 1.4 | 0 | 3 |
| 15 | 187.0 | 0.0 | 0.0 | 21.9 | 1.4 | 0 | 7 |
| 30 | 206.3 | 0.0 | 0.0 | 22.8 | 1.4 | 0 | 17 |
| 45 | 176.0 | 0.0 | 0.0 | 20.7 | 3.3 | 0 | 30 |
| 60 | 110.0 | 0.0 | 0.0 | 13.4 | 3.8 | 0 | 30 |
| 75 | 37.4 | 0.0 | 0.0 | 6.1 | 3.5 | 0 | 233 |
| 90 | 40.0 | 0.0 | 0.0 | 3.3 | 3.4 | 0 | 136 |
| 105 | 40.8 | 0.0 | 0.0 | 4.4 | 4.4 | 0 | 231 |
| 120 | 111.4 | 0.0 | 0.0 | 3.1 | 3.8 | 0 | 79 |
| 135 | 179.1 | 0.0 | 0.0 | 9.0 | 3.3 | 0 | 30 |
| 150 | 213.3 | 0.0 | 0.0 | 12.4 | 3.3 | 0 | 16 |
| 165 | 193.4 | 0.0 | 0.0 | 9.9 | 1.1 | 0 | 7 |
| 180 | 113.8 | 0.0 | 0.0 | 1.2 | 3.3 | 0 | 3 |
| 195 | 49.0 | 0.0 | 0.0 | 0.0 | 2.2 | 0 | 4 |
| 210 | 533.3 | 0.0 | 0.0 | 36.3 | 3.3 | 0 | -17 |
| 225 | 863.8 | 0.0 | 0.0 | 70.9 | 4.4 | 0 | -22 |
| 240 | 1023.3 | 0.0 | 0.0 | 90.2 | 6.6 | 0 | -26 |
| 255 | 1061.9 | 0.0 | 0.0 | 91.8 | 2.2 | 0 | -27 |
| 270 | 1273.7 | 0.0 | 0.0 | 106.4 | 14.9 | 0 | -12 |
| 285 | 1072.7 | 0.0 | 0.0 | 86.3 | 27.6 | 0 | -26 |
| 300 | 1009.8 | 0.0 | 0.0 | 79.6 | 3.3 | 0 | -26 |
| 315 | 863.1 | 0.0 | 0.0 | 73.3 | 19.3 | 0 | -22 |
| 330 | 534.7 | 0.0 | 0.0 | 53.1 | 9.4 | 0 | -18 |
| 345 | 47.9 | 0.0 | 0.0 | 16.1 | 1.1 | 0 | 1 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | | | | | | | | | | | | | |
|--------------------------------------|--------|--|-----|--------------|---|----------------|-----|------------|------|--------------|-----|-----------------------|------|-----|
| WIND DIRECTION | | ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C | | | | | | | | | | | | |
| 0 | | CONFIGURATION C | | | | | | | | | | | | |
| REFERENCE PRESSURE 21.0 PSF | | | | | | | | | | | | | | |
| GUST FACTOR 1.30 | | | | | | | | | | | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | -6.0 | 0.0 | 952 | 0 | -6.3 | 0.0 | 0 | 4 | 105.7 | 0.0 | 0.0 | 18.5 | -4 |
| 2ND | 5.25 | -16.5 | 0.0 | 2814 | 0 | -5.9 | 0.0 | 0 | -3 | 111.6 | 0.0 | 0.0 | 17.9 | -4 |
| 3RD | 20.83 | -15.9 | 0.0 | 3981 | 0 | -4.0 | 0.0 | 0 | -31 | 128.2 | 0.0 | 0.0 | 16.0 | -3 |
| 4TH | 45.83 | -1.6 | 0.0 | 3994 | 0 | -4 | 0.0 | 0 | -158 | 144.1 | 0.0 | 0.0 | 12.6 | .2 |
| 5TH | 70.92 | 18.0 | 0.0 | 4008 | 0 | 4.5 | 0.0 | 0 | 16 | 145.7 | 0.0 | 0.0 | 9.0 | .5 |
| 6TH | 96.08 | 27.2 | 0.0 | 3994 | 0 | 6.8 | 0.0 | 0 | -3 | 127.7 | 0.0 | 0.0 | 5.6 | .7 |
| 7TH | 121.17 | 37.4 | 0.0 | 3981 | 0 | 9.4 | 0.0 | 0 | -10 | 100.5 | 0.0 | 0.0 | 2.7 | .6 |
| 8TH | 146.17 | 47.6 | 0.0 | 2814 | 0 | 16.9 | 0.0 | 0 | -2 | 63.1 | 0.0 | 0.0 | .7 | .3 |
| 9TH | 161.75 | 47.6 | 0.0 | 2814 | 0 | 16.9 | 0.0 | 0 | -2 | 15.5 | 0.0 | 0.0 | .0 | .2 |
| TOP | 167.00 | 15.5 | 0.0 | 952 | 0 | 16.3 | 0.0 | 0 | -10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C | | | | | | | | | | | | | | | |
|---|--------|-----------------|-----|--------------|---|----------------|-----|------------|----|-----------------------------|-----|-----------------------|------------------|------|--|
| WIND DIRECTION 15 | | CONFIGURATION C | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | GUST FACTOR 1.30 | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z | |
| 1ST | 0.00 | | | | | | | | | 187.0 | 0.0 | 0.0 | 21.9 | -1.4 | |
| 2ND | 5.25 | .7 | 0.0 | 952 | 0 | .7 | 0.0 | 0 | 76 | 186.3 | 0.0 | 0.0 | 20.9 | -1.3 | |
| 3RD | 20.83 | 3.3 | 0.0 | 2814 | 0 | 1.2 | 0.0 | 0 | 47 | 183.1 | 0.0 | 0.0 | 18.0 | -1.2 | |
| 4TH | 45.83 | 6.8 | 0.0 | 3981 | 0 | 1.7 | 0.0 | 0 | 43 | 176.3 | 0.0 | 0.0 | 13.6 | -.9 | |
| 5TH | 70.92 | 16.9 | 0.0 | 3994 | 0 | 4.2 | 0.0 | 0 | 20 | 159.4 | 0.0 | 0.0 | 9.3 | -.5 | |
| 6TH | 96.08 | 33.2 | 0.0 | 4008 | 0 | 8.3 | 0.0 | 0 | 8 | 126.1 | 0.0 | 0.0 | 5.7 | -.3 | |
| 7TH | 121.17 | 22.6 | 0.0 | 3994 | 0 | 5.7 | 0.0 | 0 | 19 | 103.5 | 0.0 | 0.0 | 2.9 | -.1 | |
| 8TH | 146.17 | 35.8 | 0.0 | 3981 | 0 | 9.0 | 0.0 | 0 | -4 | 67.7 | 0.0 | 0.0 | .7 | -.2 | |
| 9TH | 161.75 | 48.4 | 0.0 | 2814 | 0 | 17.2 | 0.0 | 0 | 3 | 19.3 | 0.0 | 0.0 | .1 | -.1 | |
| TOP | 167.00 | 19.3 | 0.0 | 952 | 0 | 20.3 | 0.0 | 0 | 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | | | | | | | | | | | | | | |
|--------------------------------------|--------|-----------------|-----|--------------|---|----------------|-----|--|----|-----------------------------|-----|-----------------------|------|------|--|
| WIND DIRECTION 30 | | CONFIGURATION C | | | | | | ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C | | REFERENCE PRESSURE 21.0 PSF | | CUST FACTOR 1.30 | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z | |
| 1ST | 0.00 | | | | | | | | | 206.3 | 0.0 | 0.0 | 22.8 | -3.4 | |
| 2ND | 5.25 | 3.1 | 0.0 | 952 | 0 | 3.2 | 0.0 | 0 | 32 | 203.2 | 0.0 | 0.0 | 21.7 | -3.3 | |
| 3RD | 20.83 | 9.3 | 0.0 | 2814 | 0 | 3.3 | 0.0 | 0 | 44 | 194.0 | 0.0 | 0.0 | 18.6 | -2.9 | |
| 4TH | 45.83 | 11.8 | 0.0 | 3981 | 0 | 3.0 | 0.0 | 0 | 47 | 182.2 | 0.0 | 0.0 | 13.9 | -2.3 | |
| 5TH | 70.92 | 18.9 | 0.0 | 3994 | 0 | 4.7 | 0.0 | 0 | 26 | 163.3 | 0.0 | 0.0 | 9.6 | -1.9 | |
| 6TH | 96.08 | 33.3 | 0.0 | 4008 | 0 | 8.3 | 0.0 | 0 | 10 | 130.0 | 0.0 | 0.0 | 5.9 | -1.5 | |
| 7TH | 121.17 | 26.0 | 0.0 | 3994 | 0 | 6.5 | 0.0 | 0 | 26 | 104.0 | 0.0 | 0.0 | 3.0 | -0.8 | |
| 8TH | 146.17 | 33.4 | 0.0 | 3981 | 0 | 8.4 | 0.0 | 0 | 5 | 70.5 | 0.0 | 0.0 | .8 | -0.7 | |
| 9TH | 161.75 | 48.6 | 0.0 | 2814 | 0 | 17.3 | 0.0 | 0 | 8 | 22.0 | 0.0 | 0.0 | .1 | -0.3 | |
| TOP | 167.00 | 22.0 | 0.0 | 952 | 0 | 23.1 | 0.0 | 0 | 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | | | | | | | | | | | | | | |
|--------------------------------------|--------|-----------------|-----|--------------|---|--|-----|------------|-----|-----------------------------|-----|-----------------------|------------------|------|--|
| WIND DIRECTION 45 | | CONFIGURATION C | | | | ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C | | | | REFERENCE PRESSURE 21.0 PSF | | | GUST FACTOR 1.30 | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z | |
| 1ST | 0.00 | 3.8 | 0.0 | 952 | 0 | 4.0 | 0.0 | 0 | 25 | 176.0 | 0.0 | 0.0 | 20.7 | -5.3 | |
| 2ND | 5.25 | 8.4 | 0.0 | 2814 | 0 | 3.0 | 0.0 | 0 | 61 | 172.1 | 0.0 | 0.0 | 19.8 | -5.2 | |
| 3RD | 20.83 | 6.2 | 0.0 | 3981 | 0 | 1.6 | 0.0 | 0 | 147 | 163.7 | 0.0 | 0.0 | 17.1 | -4.7 | |
| 4TH | 45.83 | 9.2 | 0.0 | 3994 | 0 | 2.3 | 0.0 | 0 | 81 | 157.5 | 0.0 | 0.0 | 13.1 | -3.8 | |
| 5TH | 70.92 | 22.4 | 0.0 | 4008 | 0 | 5.6 | 0.0 | 0 | 21 | 148.3 | 0.0 | 0.0 | 9.3 | -3.6 | |
| 6TH | 96.08 | 22.4 | 0.0 | 3994 | 0 | 5.6 | 0.0 | 0 | 42 | 125.9 | 0.0 | 0.0 | 5.8 | -2.5 | |
| 7TH | 121.17 | 32.4 | 0.0 | 3981 | 0 | 8.1 | 0.0 | 0 | 18 | 103.5 | 0.0 | 0.0 | 3.0 | -1.6 | |
| 8TH | 146.17 | 49.8 | 0.0 | 2814 | 0 | 17.7 | 0.0 | 0 | 13 | 71.1 | 0.0 | 0.0 | .8 | -1.0 | |
| 9TH | 161.75 | 21.3 | 0.0 | 952 | 0 | 22.4 | 0.0 | 0 | 16 | 21.3 | 0.0 | 0.0 | .1 | -.3 | |
| TOP | 167.00 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

| TABLE 7. SHEAR AND MOMENT DIAGRAM 1 | | ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C | | | | | | | | GUST FACTOR 1.30 | | | | |
|-------------------------------------|--------|--|-----|--------------|---|----------------|-----|------------|------|-----------------------------|-----|-----------------------|------|------|
| WIND DIRECTION 60 | | CONFIGURATION C | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | | | | | | | | | 110.0 | 0.0 | 0.0 | 15.4 | -8.8 |
| 2ND | 5.25 | 2.9 | 0.0 | 952 | 0 | 3.1 | 0.0 | 0 | 72 | 107.1 | 0.0 | 0.0 | 14.9 | -8.6 |
| 3RD | 20.83 | 3.8 | 0.0 | 2814 | 0 | 1.4 | 0.0 | 0 | 250 | 103.3 | 0.0 | 0.0 | 13.2 | -7.6 |
| 4TH | 43.83 | -6.7 | 0.0 | 3981 | 0 | -1.7 | 0.0 | 0 | -217 | 110.0 | 0.0 | 0.0 | 10.6 | -6.2 |
| 5TH | 70.92 | -1.6 | 0.0 | 3994 | 0 | - .4 | 0.0 | 0 | -757 | 111.6 | 0.0 | 0.0 | 7.8 | -4.9 |
| 6TH | 96.08 | 7.9 | 0.0 | 4008 | 0 | 2.0 | 0.0 | 0 | 118 | 103.7 | 0.0 | 0.0 | 5.1 | -4.0 |
| 7TH | 121.17 | 11.7 | 0.0 | 3994 | 0 | 2.9 | 0.0 | 0 | 112 | 92.0 | 0.0 | 0.0 | 2.6 | -2.7 |
| 8TH | 146.17 | 29.3 | 0.0 | 3981 | 0 | 7.4 | 0.0 | 0 | 42 | 62.8 | 0.0 | 0.0 | .7 | -1.5 |
| 9TH | 161.75 | 44.2 | 0.0 | 2814 | 0 | 15.7 | 0.0 | 0 | 24 | 18.6 | 0.0 | 0.0 | .0 | - .4 |
| TOP | 167.00 | 18.6 | 0.0 | 952 | 0 | 19.5 | 0.0 | 0 | 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | | | | | | | | | | | | ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C | | | GUST FACTOR 1.30 | | |
|--------------------------------------|--------|-----------------|-----|--------------|---|----------------|-----|-----------------------------|------|--------------|-----|-----------------------|--|------|--|------------------|--|--|
| WIND DIRECTION 75 | | CONFIGURATION C | | | | | | REFERENCE PRESSURE 21.0 PSF | | | | | | | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | | | | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | | | |
| 1ST | 0.00 | 5.2 | 0.0 | 952 | 0 | 5.5 | 0.0 | 0 | 58 | 37.4 | 0.0 | 0.0 | 6.1 | -9.3 | | | | |
| 2ND | 5.25 | 6.0 | 0.0 | 2814 | 0 | 2.4 | 0.0 | 0 | 173 | 32.2 | 0.0 | 0.0 | 5.9 | -9.2 | | | | |
| 3RD | 20.83 | -11.2 | 0.0 | 3981 | 0 | -2.8 | 0.0 | 0 | -144 | 25.3 | 0.0 | 0.0 | 5.5 | -8.0 | | | | |
| 4TH | 45.83 | -8.3 | 0.0 | 3994 | 0 | -2.1 | 0.0 | 0 | -159 | 36.5 | 0.0 | 0.0 | 4.7 | -6.4 | | | | |
| 5TH | 70.92 | -2.4 | 0.0 | 4008 | 0 | -1.6 | 0.0 | 0 | -486 | 44.8 | 0.0 | 0.0 | 3.7 | -5.1 | | | | |
| 6TH | 96.08 | 1.0 | 0.0 | 3994 | 0 | .3 | 0.0 | 0 | 1150 | 47.2 | 0.0 | 0.0 | 2.5 | -3.9 | | | | |
| 7TH | 121.17 | 13.8 | 0.0 | 3981 | 0 | 3.5 | 0.0 | 0 | 98 | 46.2 | 0.0 | 0.0 | 1.3 | -2.7 | | | | |
| 8TH | 146.17 | 22.7 | 0.0 | 2814 | 0 | 8.1 | 0.0 | 0 | 44 | 32.4 | 0.0 | 0.0 | .4 | -1.3 | | | | |
| 9TH | 161.75 | 9.6 | 0.0 | 952 | 0 | 10.1 | 0.0 | 0 | 34 | 9.6 | 0.0 | 0.0 | .0 | -1.3 | | | | |
| TOP | 167.00 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | | | | | | | | | | | | | |
|--------------------------------------|--------|--|-----|--------------|---|----------------|-----|-----------------------------|-----|--------------|-----|-----------------------|-----|------|
| WIND DIRECTION 90 | | ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C | | | | | | REFERENCE PRESSURE 21.0 PSF | | | | GUST FACTOR 1.30 | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCHN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | 3.9 | 0.0 | 952 | 0 | 4.1 | 0.0 | 0 | 69 | 40.0 | 0.0 | 0.0 | 3.3 | -5.4 |
| 2ND | 5.25 | 7.9 | 0.0 | 2814 | 0 | 2.8 | 0.0 | 0 | 104 | 36.1 | 0.0 | 0.0 | 3.1 | -5.2 |
| 3RD | 20.83 | 2.2 | 0.0 | 3981 | 0 | .6 | 0.0 | 0 | 373 | 28.3 | 0.0 | 0.0 | 2.6 | -4.3 |
| 4TH | 45.83 | 3.2 | 0.0 | 3994 | 0 | .8 | 0.0 | 0 | 190 | 26.0 | 0.0 | 0.0 | 2.0 | -3.5 |
| 5TH | 70.92 | 5.6 | 0.0 | 4008 | 0 | 1.4 | 0.0 | 0 | 66 | 22.8 | 0.0 | 0.0 | 1.3 | -2.9 |
| 6TH | 96.08 | 3.2 | 0.0 | 3994 | 0 | .8 | 0.0 | 0 | 190 | 17.2 | 0.0 | 0.0 | .8 | -2.5 |
| 7TH | 121.17 | 2.2 | 0.0 | 3981 | 0 | .6 | 0.0 | 0 | 373 | 14.0 | 0.0 | 0.0 | .5 | -1.9 |
| 8TH | 146.17 | 7.9 | 0.0 | 2814 | 0 | 2.8 | 0.0 | 0 | 104 | 11.7 | 0.0 | 0.0 | .1 | -1.1 |
| 9TH | 161.75 | 3.9 | 0.0 | 952 | 0 | 4.1 | 0.0 | 0 | 69 | 3.9 | 0.0 | 0.0 | .0 | -.3 |
| TOP | 167.00 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

TABLE 7. SHEAR AND MOMENT DIAGRAMS :
WIND DIRECTION 105

ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C
REFERENCE PRESSURE 21.0 PSF

GUST FACTOR 1.30

| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
|-------|--------|--------------|-----|--------------|---|----------------|-----|------------|------|--------------|-----|-----------------------|-----|------|
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | 9.6 | 0.0 | 952 | 0 | 10.1 | 0.0 | 0 | 34 | 40.8 | 0.0 | 0.0 | .4 | -9.4 |
| 2ND | 5.25 | 22.7 | 0.0 | 2814 | 0 | 8.1 | 0.0 | 0 | 44 | 31.2 | 0.0 | 0.0 | .3 | -9.1 |
| 3RD | 20.83 | 13.8 | 0.0 | 3981 | 0 | 3.5 | 0.0 | 0 | 98 | 8.4 | 0.0 | 0.0 | -.1 | -8.1 |
| 4TH | 45.83 | 1.1 | 0.0 | 3994 | 0 | .3 | 0.0 | 0 | 1144 | -5.4 | 0.0 | 0.0 | -.1 | -6.7 |
| 5TH | 70.92 | 1.0 | 0.0 | 4008 | 0 | .2 | 0.0 | 0 | 1116 | -6.4 | 0.0 | 0.0 | .1 | -5.5 |
| 6TH | 96.08 | -0.3 | 0.0 | 3994 | 0 | -2.1 | 0.0 | 0 | -159 | -7.4 | 0.0 | 0.0 | .2 | -4.4 |
| 7TH | 121.17 | -11.2 | 0.0 | 3981 | 0 | -2.8 | 0.0 | 0 | -144 | .9 | 0.0 | 0.0 | .3 | -3.1 |
| 8TH | 146.17 | 6.8 | 0.0 | 2814 | 0 | 2.4 | 0.0 | 0 | 173 | 12.1 | 0.0 | 0.0 | .1 | -1.5 |
| 9TH | 161.75 | 5.2 | 0.0 | 952 | 0 | 5.5 | 0.0 | 0 | 58 | 5.2 | 0.0 | 0.0 | .0 | -.3 |
| TOP | 167.00 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | | | | | | | | | | | | | |
|--------------------------------------|--------|--|-----|--------------|---|-----------------------------|-----|------------|------|--------------|-----|-----------------------|-----|------|
| WIND DIRECTION 120 | | ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C | | | | | | | | | | GUST FACTOR 1.30 | | |
| | | CONFIGURATION C | | | | REFERENCE PRESSURE 21.0 PSF | | | | | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | 18.6 | 0.0 | 952 | 0 | 19.5 | 0.0 | 0 | 22 | 111.4 | 0.0 | 0.0 | 3.1 | -8.8 |
| 2ND | 5.25 | 44.2 | 0.0 | 2814 | 0 | 15.7 | 0.0 | 0 | 24 | 92.8 | 0.0 | 0.0 | 2.5 | -8.4 |
| 3RD | 20.83 | 29.3 | 0.0 | 3981 | 0 | 7.4 | 0.0 | 0 | 42 | 48.6 | 0.0 | 0.0 | 1.4 | -7.4 |
| 4TH | 45.83 | 11.7 | 0.0 | 3994 | 0 | 2.9 | 0.0 | 0 | 112 | 19.3 | 0.0 | 0.0 | .6 | -6.1 |
| 5TH | 70.92 | 9.2 | 0.0 | 4008 | 0 | 2.3 | 0.0 | 0 | 109 | 7.6 | 0.0 | 0.0 | .2 | -4.8 |
| 6TH | 96.08 | -1.6 | 0.0 | 3994 | 0 | -4 | 0.0 | 0 | -758 | -1.5 | 0.0 | 0.0 | .1 | -3.8 |
| 7TH | 121.17 | -6.7 | 0.0 | 3981 | 0 | -1.7 | 0.0 | 0 | -217 | .1 | 0.0 | 0.0 | .2 | -2.6 |
| 8TH | 146.17 | 3.8 | 0.0 | 2814 | 0 | 1.4 | 0.0 | 0 | 250 | 6.7 | 0.0 | 0.0 | .1 | -1.2 |
| 9TH | 161.75 | 2.9 | 0.0 | 952 | 0 | 3.1 | 0.0 | 0 | 72 | 2.9 | 0.0 | 0.0 | .0 | -.2 |
| TOP | 167.00 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C | | | | | | | | | | | | | | |
|---|--------|-----------------|-----|--------------|---|----------------|-----|------------|-----|--------------|-----|-----------------------|-----|------|
| WIND DIRECTION 135 | | CONFIGURATION C | | | | | | | | | | GUST FACTOR 1.30 | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | 21.3 | 0.0 | 952 | 0 | 22.4 | 0.0 | 0 | 16 | 179.1 | 0.0 | 0.0 | 9.0 | -5.3 |
| 2ND | 5.25 | 49.8 | 0.0 | 2814 | 0 | 17.7 | 0.0 | 0 | 13 | 157.9 | 0.0 | 0.0 | 8.1 | -5.0 |
| 3RD | 20.83 | 32.4 | 0.0 | 3981 | 0 | 8.1 | 0.0 | 0 | 18 | 108.0 | 0.0 | 0.0 | 6.0 | -4.3 |
| 4TH | 45.83 | 22.4 | 0.0 | 3994 | 0 | 5.6 | 0.0 | 0 | 42 | 75.6 | 0.0 | 0.0 | 3.7 | -3.7 |
| 5TH | 70.92 | 25.5 | 0.0 | 4008 | 0 | 6.4 | 0.0 | 0 | 20 | 53.2 | 0.0 | 0.0 | 2.1 | -2.8 |
| 6TH | 96.08 | 9.3 | 0.0 | 3994 | 0 | 2.3 | 0.0 | 0 | 81 | 27.7 | 0.0 | 0.0 | 1.1 | -2.3 |
| 7TH | 121.17 | 6.2 | 0.0 | 3981 | 0 | 1.6 | 0.0 | 0 | 147 | 18.4 | 0.0 | 0.0 | .5 | -1.5 |
| 8TH | 146.17 | 8.4 | 0.0 | 2814 | 0 | 3.0 | 0.0 | 0 | 61 | 12.2 | 0.0 | 0.0 | .1 | -.6 |
| 9TH | 161.75 | 3.8 | 0.0 | 952 | 0 | 4.0 | 0.0 | 0 | 25 | 3.8 | 0.0 | 0.0 | .0 | -.1 |
| TOP | 167.00 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

TABLE 7. SHEAR AND MOMENT DIAGRAMS :
WIND DIRECTION 150

ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C
REFERENCE PRESSURE 21.0 PSF

GUST FACTOR 1.30

| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
|-------|--------|--------------|-----|--------------|---|----------------|-----|------------|----|--------------|-----|-----------------------|------|------|
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | 21.9 | 0.0 | 952 | 0 | 23.1 | 0.0 | 0 | 13 | 215.3 | 0.0 | 0.0 | 12.4 | -3.3 |
| 2ND | 5.25 | 48.6 | 0.0 | 2814 | 0 | 17.3 | 0.0 | 0 | 8 | 193.3 | 0.0 | 0.0 | 11.3 | -3.1 |
| 3RD | 20.83 | 33.4 | 0.0 | 3981 | 0 | 8.4 | 0.0 | 0 | 5 | 144.8 | 0.0 | 0.0 | 8.7 | -2.7 |
| 4TH | 45.83 | 26.0 | 0.0 | 3994 | 0 | 6.5 | 0.0 | 0 | 26 | 111.3 | 0.0 | 0.0 | 5.5 | -2.5 |
| 5TH | 70.92 | 42.3 | 0.0 | 4008 | 0 | 10.6 | 0.0 | 0 | 7 | 85.3 | 0.0 | 0.0 | 3.0 | -1.8 |
| 6TH | 96.08 | 18.9 | 0.0 | 3994 | 0 | 4.7 | 0.0 | 0 | 26 | 43.0 | 0.0 | 0.0 | 1.4 | -1.5 |
| 7TH | 121.17 | 11.8 | 0.0 | 3981 | 0 | 3.0 | 0.0 | 0 | 47 | 24.1 | 0.0 | 0.0 | .6 | -1.1 |
| 8TH | 146.17 | 9.3 | 0.0 | 2814 | 0 | 3.3 | 0.0 | 0 | 44 | 12.3 | 0.0 | 0.0 | .1 | -.5 |
| 9TH | 161.75 | 3.1 | 0.0 | 952 | 0 | 3.2 | 0.0 | 0 | 32 | 3.1 | 0.0 | 0.0 | .0 | -.1 |
| TOP | 167.00 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS 1 | | | | | | | | | | | | | | |
|--------------------------------------|--------|--|-----|-----------------------------|---|----------------|-----|------------|----|------------------|-----|-----------------------|-----|------|
| WIND DIRECTION 165 | | ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C | | | | | | | | GUST FACTOR 1.30 | | | | |
| | | CONFIGURATION C | | REFERENCE PRESSURE 21.0 PSF | | | | | | | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | 19.3 | 0.0 | 952 | 0 | 20.3 | 0.0 | 0 | 3 | 193.4 | 0.0 | 0.0 | 9.9 | -1.3 |
| 2ND | 5.25 | 48.4 | 0.0 | 2814 | 0 | 17.2 | 0.0 | 0 | 3 | 174.0 | 0.0 | 0.0 | 8.9 | -1.2 |
| 3RD | 20.83 | 33.8 | 0.0 | 3981 | 0 | 9.0 | 0.0 | 0 | -4 | 125.7 | 0.0 | 0.0 | 6.6 | -1.1 |
| 4TH | 43.83 | 22.6 | 0.0 | 3994 | 0 | 5.7 | 0.0 | 0 | 10 | 89.9 | 0.0 | 0.0 | 3.9 | -1.2 |
| 5TH | 70.92 | 39.6 | 0.0 | 4068 | 0 | 9.9 | 0.0 | 0 | 4 | 67.2 | 0.0 | 0.0 | 1.9 | -1.0 |
| 6TH | 96.08 | 16.9 | 0.0 | 3994 | 0 | 4.2 | 0.0 | 0 | 20 | 27.7 | 0.0 | 0.0 | .7 | -.8 |
| 7TH | 121.17 | 6.8 | 0.0 | 3981 | 0 | 1.7 | 0.0 | 0 | 43 | 10.7 | 0.0 | 0.0 | .2 | -.5 |
| 8TH | 146.17 | 3.3 | 0.0 | 2814 | 0 | 1.2 | 0.0 | 0 | 47 | 4.0 | 0.0 | 0.0 | .0 | -.2 |
| 9TH | 161.73 | .7 | 0.0 | 952 | 0 | .7 | 0.0 | 0 | 76 | .7 | 0.0 | 0.0 | .0 | -.1 |
| TOP | 167.00 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS 1 | | | | | | | | | | | | | | |
|--|--------|--------------|-----|--------------|---|----------------|-----|------------|------|--------------|-----|-----------------------|------|------|
| ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C | | | | | | | | | | | | | | |
| WIND DIRECTION 180 | | | | | | | | | | | | | | |
| CONFIGURATION C | | | | | | | | | | | | | | |
| REFERENCE PRESSURE 21.0 PSF | | | | | | | | | | | | | | |
| GUST FACTOR 1.30 | | | | | | | | | | | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | | | | | | | | | 113.8 | 0.0 | 0.0 | -2 | -3 |
| 2ND | 5.25 | 13.5 | 0.0 | 952 | 0 | 16.3 | 0.0 | 0 | -10 | 98.3 | 0.0 | 0.0 | -7 | -5 |
| 3RD | 20.83 | 47.6 | 0.0 | 2814 | 0 | 16.9 | 0.0 | 0 | -2 | 50.7 | 0.0 | 0.0 | -1.9 | -6 |
| 4TH | 45.83 | 37.4 | 0.0 | 3981 | 0 | 9.4 | 0.0 | 0 | -10 | 13.3 | 0.0 | 0.0 | -2.7 | -9 |
| 5TH | 70.92 | 27.2 | 0.0 | 3994 | 0 | 6.8 | 0.0 | 0 | -5 | -13.9 | 0.0 | 0.0 | -2.7 | -1.1 |
| 6TH | 96.08 | 26.1 | 0.0 | 4008 | 0 | 6.5 | 0.0 | 0 | 10 | -40.0 | 0.0 | 0.0 | -2.0 | -8 |
| 7TH | 121.17 | -1.6 | 0.0 | 3994 | 0 | -4 | 0.0 | 0 | -160 | -38.4 | 0.0 | 0.0 | -1.0 | -6 |
| 8TH | 146.17 | -15.9 | 0.0 | 3981 | 0 | -4.0 | 0.0 | 0 | -31 | -22.5 | 0.0 | 0.0 | -2 | -1 |
| 9TH | 161.75 | -16.5 | 0.0 | 2814 | 0 | -5.9 | 0.0 | 0 | -5 | -6.0 | 0.0 | 0.0 | -0 | 0 |
| TOP | 167.00 | -6.0 | 0.0 | 952 | 0 | -6.3 | 0.0 | 0 | 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

TABLE 7. SHEAR AND MOMENT DIAGRAMS :
WIND DIRECTION 199

ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C
REFERENCE PRESSURE 21.0 PSF

GUST FACTOR 1.30

| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
|-------|--------|--------------|-----|--------------|---|----------------|-----|------------|-----|--------------|-----|-----------------------|------|------|
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | 12.7 | 0.0 | 952 | 0 | 13.3 | 0.0 | 0 | -30 | 49.0 | 0.0 | 0.0 | -8.0 | -1.2 |
| 2ND | 5.25 | 45.1 | 0.0 | 2814 | 0 | 16.0 | 0.0 | 0 | -8 | 36.4 | 0.0 | 0.0 | -8.2 | -1.6 |
| 3RD | 20.83 | 49.5 | 0.0 | 3981 | 0 | 12.4 | 0.0 | 0 | -10 | -8.7 | 0.0 | 0.0 | -8.4 | -1.9 |
| 4TH | 45.83 | 25.7 | 0.0 | 3994 | 0 | 6.4 | 0.0 | 0 | -9 | -58.3 | 0.0 | 0.0 | -7.6 | -1.4 |
| 5TH | 70.92 | 8.8 | 0.0 | 4008 | 0 | 2.2 | 0.0 | 0 | 29 | -84.0 | 0.0 | 0.0 | -5.8 | -1.6 |
| 6TH | 96.08 | -24.7 | 0.0 | 3994 | 0 | -6.2 | 0.0 | 0 | -18 | -92.8 | 0.0 | 0.0 | -3.6 | -1.4 |
| 7TH | 121.17 | -36.3 | 0.0 | 3981 | 0 | -9.1 | 0.0 | 0 | -18 | -68.1 | 0.0 | 0.0 | -1.6 | -1.9 |
| 8TH | 146.17 | -24.0 | 0.0 | 2814 | 0 | -8.5 | 0.0 | 0 | -9 | -31.9 | 0.0 | 0.0 | -1.3 | -1.3 |
| 9TH | 161.75 | -7.8 | 0.0 | 952 | 0 | -8.2 | 0.0 | 0 | -9 | -7.8 | 0.0 | 0.0 | -1.0 | -1.1 |
| TOP | 167.00 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C | | | | | | | | | | | | | | |
|---|--------|-----------------|-----|--------------|---|----------------|-----|------------|-----|--------------|-----|-----------------------|------|-----|
| WIND DIRECTION 210 | | CONFIGURATION C | | | | | | | | | | GUST FACTOR 1.30 | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | 20.3 | 0.0 | 932 | 0 | 30.0 | 0.0 | 0 | -24 | 535.3 | 0.0 | 0.0 | 36.3 | 9.3 |
| 2ND | 5.25 | 86.9 | 0.0 | 2814 | 0 | 30.9 | 0.0 | 0 | -16 | 506.8 | 0.0 | 0.0 | 33.5 | 8.7 |
| 3RD | 20.83 | 111.6 | 0.0 | 3981 | 0 | 28.0 | 0.0 | 0 | -16 | 419.9 | 0.0 | 0.0 | 26.3 | 7.3 |
| 4TH | 45.83 | 85.4 | 0.0 | 3994 | 0 | 21.4 | 0.0 | 0 | -20 | 308.3 | 0.0 | 0.0 | 17.2 | 5.5 |
| 5TH | 70.92 | 72.2 | 0.0 | 4000 | 0 | 18.0 | 0.0 | 0 | -21 | 222.9 | 0.0 | 0.0 | 10.5 | 3.8 |
| 6TH | 96.08 | 46.8 | 0.0 | 3994 | 0 | 11.7 | 0.0 | 0 | -24 | 150.7 | 0.0 | 0.0 | 5.8 | 2.3 |
| 7TH | 121.17 | 45.9 | 0.0 | 3981 | 0 | 11.5 | 0.0 | 0 | -20 | 103.9 | 0.0 | 0.0 | 2.6 | 1.1 |
| 8TH | 146.17 | 41.7 | 0.0 | 2814 | 0 | 14.8 | 0.0 | 0 | -4 | 56.0 | 0.0 | 0.0 | .6 | .2 |
| 9TH | 161.75 | 16.3 | 0.0 | 932 | 0 | 17.1 | 0.0 | 0 | -1 | 16.3 | 0.0 | 0.0 | .0 | .0 |
| TOP | 167.00 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C | | | | | | | | | | | | | | |
|---|--------|-----------------|-----|--------------|---|----------------|-----|------------|-----|-----------------------------|-----|-----------------------|------------------|------|
| WIND DIRECTION 225 | | CONFIGURATION C | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | GUST FACTOR 1.30 | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | | | | | | | | | 865.8 | 0.0 | 0.0 | 70.9 | 19.4 |
| 2ND | 5.25 | 35.4 | 0.0 | 952 | 0 | 37.2 | 0.0 | 0 | -19 | 836.4 | 0.0 | 0.0 | 66.4 | 18.7 |
| 3RD | 20.83 | 105.7 | 0.0 | 2814 | 0 | 37.6 | 0.0 | 0 | -18 | 724.7 | 0.0 | 0.0 | 54.3 | 16.8 |
| 4TH | 45.83 | 134.6 | 0.0 | 3981 | 0 | 33.8 | 0.0 | 0 | -26 | 590.1 | 0.0 | 0.0 | 37.9 | 13.3 |
| 5TH | 70.92 | 109.6 | 0.0 | 3994 | 0 | 27.4 | 0.0 | 0 | -31 | 480.5 | 0.0 | 0.0 | 24.4 | 9.9 |
| 6TH | 96.08 | 124.0 | 0.0 | 4008 | 0 | 30.9 | 0.0 | 0 | -28 | 356.4 | 0.0 | 0.0 | 13.9 | 6.4 |
| 7TH | 121.17 | 103.8 | 0.0 | 3994 | 0 | 26.0 | 0.0 | 0 | -29 | 232.6 | 0.0 | 0.0 | 6.3 | 3.4 |
| 8TH | 146.17 | 117.7 | 0.0 | 3981 | 0 | 29.6 | 0.0 | 0 | -23 | 134.9 | 0.0 | 0.0 | 1.4 | .7 |
| 9TH | 161.75 | 98.7 | 0.0 | 2814 | 0 | 35.1 | 0.0 | 0 | -6 | 36.2 | 0.0 | 0.0 | .1 | .1 |
| TOP | 167.00 | 36.2 | 0.0 | 952 | 0 | 38.1 | 0.0 | 0 | -3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS 1 | | | | | | | | | | | | | | |
|--------------------------------------|--------|--|-----|--------------|---|-----------------------------|-----|------------------|-----|--------------|-----|-----------------------|------|------|
| WIND DIRECTION 240 | | ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C | | | | | | GUST FACTOR 1.30 | | | | | | |
| | | CONFIGURATION C | | | | REFERENCE PRESSURE 21.0 PSF | | | | | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | | | | | | | | | 1023.3 | 0.0 | 0.0 | 90.2 | 26.8 |
| 2ND | 5.25 | 35.9 | 0.0 | 952 | 0 | 37.8 | 0.0 | 0 | -18 | 987.4 | 0.0 | 0.0 | 84.9 | 26.1 |
| 3RD | 20.83 | 101.0 | 0.0 | 2814 | 0 | 35.9 | 0.0 | 0 | -19 | 886.4 | 0.0 | 0.0 | 70.3 | 24.1 |
| 4TH | 45.83 | 136.1 | 0.0 | 3981 | 0 | 34.2 | 0.0 | 0 | -35 | 750.3 | 0.0 | 0.0 | 49.9 | 19.3 |
| 5TH | 70.92 | 115.3 | 0.0 | 3994 | 0 | 28.9 | 0.0 | 0 | -37 | 635.0 | 0.0 | 0.0 | 32.5 | 15.0 |
| 6TH | 96.08 | 155.3 | 0.0 | 4008 | 0 | 38.7 | 0.0 | 0 | -34 | 479.7 | 0.0 | 0.0 | 18.5 | 9.7 |
| 7TH | 121.17 | 143.9 | 0.0 | 3994 | 0 | 36.0 | 0.0 | 0 | -33 | 335.8 | 0.0 | 0.0 | 8.2 | 4.9 |
| 8TH | 146.17 | 161.3 | 0.0 | 3981 | 0 | 40.5 | 0.0 | 0 | -25 | 174.5 | 0.0 | 0.0 | 1.8 | .9 |
| 9TH | 161.75 | 127.7 | 0.0 | 2814 | 0 | 45.4 | 0.0 | 0 | -7 | 46.8 | 0.0 | 0.0 | .1 | .1 |
| TOP | 167.00 | 46.8 | 0.0 | 952 | 0 | 49.2 | 0.0 | 0 | -2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C | | | | | | | | | | | | | | |
|---|--------|-----------------|-----|--------------|---|----------------|-----|-----------------------------|-----|--------------|------------------|-----------------------|------|------|
| WIND DIRECTION 255 | | CONFIGURATION C | | | | | | REFERENCE PRESSURE 21.0 PSF | | | GUST FACTOR 1.30 | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | | | | | | | | | 1061.9 | 0.0 | 0.0 | 91.8 | 28.2 |
| 2ND | 5.25 | 42.8 | 0.0 | 992 | 0 | 45.0 | 0.0 | 0 | -17 | 1019.1 | 0.0 | 0.0 | 86.3 | 27.4 |
| 3RD | 20.83 | 111.7 | 0.0 | 2814 | 0 | 39.7 | 0.0 | 0 | -22 | 907.4 | 0.0 | 0.0 | 71.3 | 25.0 |
| 4TH | 45.83 | 128.7 | 0.0 | 3981 | 0 | 32.3 | 0.0 | 0 | -46 | 778.7 | 0.0 | 0.0 | 50.2 | 19.1 |
| 5TH | 70.92 | 132.6 | 0.0 | 3994 | 0 | 33.2 | 0.0 | 0 | -42 | 646.1 | 0.0 | 0.0 | 32.4 | 13.5 |
| 6TH | 96.08 | 169.2 | 0.0 | 4008 | 0 | 42.2 | 0.0 | 0 | -33 | 476.9 | 0.0 | 0.0 | 18.2 | 8.0 |
| 7TH | 121.17 | 144.0 | 0.0 | 3994 | 0 | 36.1 | 0.0 | 0 | -29 | 332.9 | 0.0 | 0.0 | 8.1 | 3.8 |
| 8TH | 146.17 | 163.4 | 0.0 | 3981 | 0 | 41.0 | 0.0 | 0 | -20 | 169.6 | 0.0 | 0.0 | 1.8 | .6 |
| 9TH | 161.75 | 125.1 | 0.0 | 2814 | 0 | 44.4 | 0.0 | 0 | -4 | 44.5 | 0.0 | 0.0 | .1 | .1 |
| TOP | 167.00 | 44.5 | 0.0 | 992 | 0 | 46.7 | 0.0 | 0 | -1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C | | | | | | | | GUST FACTOR 1.30 | | | | |
|--------------------------------------|--------|--|-----|--------------|---|-----------------------------|-----|------------|-----|------------------|-----|-----------------------|-------|------|
| WIND DIRECTION 270 | | CONFIGURATION C | | | | REFERENCE PRESSURE 21.0 PSF | | | | | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | | | | | | | | | 1273.7 | 0.0 | 0.0 | 106.4 | 14.9 |
| | | 46.5 | 0.0 | 952 | 0 | 48.9 | 0.0 | 0 | -6 | 1227.2 | 0.0 | 0.0 | 99.8 | 14.6 |
| 2ND | 5.25 | | | | | | | | | | | 0.0 | 81.7 | 13.8 |
| | | 133.9 | 0.0 | 2814 | 0 | 47.6 | 0.0 | 0 | -6 | 1093.3 | 0.0 | 0.0 | 56.7 | 8.6 |
| 3RD | 20.83 | | | | | | | | | | | 0.0 | 36.3 | 6.2 |
| | | 198.0 | 0.0 | 3981 | 0 | 47.2 | 0.0 | 0 | -13 | 965.3 | 0.0 | 0.0 | 20.2 | 3.6 |
| 4TH | 45.83 | | | | | | | | | | | 0.0 | 9.7 | 1.0 |
| | | 178.0 | 0.0 | 3994 | 0 | 44.6 | 0.0 | 0 | -15 | 727.3 | 0.0 | 0.0 | 1.9 | 0.3 |
| 5TH | 70.92 | | | | | | | | | | | 0.0 | 0.0 | 0.0 |
| | | 180.9 | 0.0 | 4008 | 0 | 45.1 | 0.0 | 0 | -13 | 546.4 | 0.0 | 0.0 | | |
| 6TH | 96.08 | | | | | | | | | | | 0.0 | | |
| | | 178.0 | 0.0 | 3994 | 0 | 44.6 | 0.0 | 0 | -15 | 368.4 | 0.0 | 0.0 | | |
| 7TH | 121.17 | | | | | | | | | | | 0.0 | | |
| | | 188.0 | 0.0 | 3981 | 0 | 47.2 | 0.0 | 0 | -13 | 180.4 | 0.0 | 0.0 | | |
| 8TH | 146.17 | | | | | | | | | | | 0.0 | | |
| | | 133.9 | 0.0 | 2814 | 0 | 47.6 | 0.0 | 0 | -6 | 46.5 | 0.0 | 0.0 | | |
| 9TH | 161.75 | | | | | | | | | | | 0.0 | | |
| | | 46.5 | 0.0 | 952 | 0 | 48.9 | 0.0 | 0 | -6 | 0.0 | 0.0 | 0.0 | | |
| TOP | 167.00 | | | | | | | | | | | 0.0 | | |

TABLE 7. SHEAR AND MOMENT DIAGRAMS
WIND DIRECTION 285

ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C
REFERENCE PRESSURE 21.0 PSF

GUST FACTOR 1.30

| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
|-------|--------|--------------|-----|--------------|---|----------------|-----|------------|-----|--------------|-----|-----------------------|------|------|
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | 44.5 | 0.0 | 952 | 0 | 46.7 | 0.0 | 0 | -1 | 1072.7 | 0.0 | 0.0 | 86.5 | 27.6 |
| 2ND | 5.25 | 125.1 | 0.0 | 2814 | 0 | 44.4 | 0.0 | 0 | -4 | 1028.3 | 0.0 | 0.0 | 81.0 | 27.5 |
| 3RD | 20.83 | 163.4 | 0.0 | 3981 | 0 | 41.0 | 0.0 | 0 | -20 | 903.2 | 0.0 | 0.0 | 65.9 | 27.0 |
| 4TH | 45.83 | 144.0 | 0.0 | 3994 | 0 | 36.1 | 0.0 | 0 | -29 | 739.8 | 0.0 | 0.0 | 45.4 | 23.8 |
| 5TH | 70.92 | 180.0 | 0.0 | 4008 | 0 | 44.9 | 0.0 | 0 | -27 | 595.8 | 0.0 | 0.0 | 28.6 | 19.6 |
| 6TH | 96.08 | 132.6 | 0.0 | 3994 | 0 | 33.2 | 0.0 | 0 | -42 | 415.8 | 0.0 | 0.0 | 15.9 | 14.6 |
| 7TH | 121.17 | 128.7 | 0.0 | 3981 | 0 | 32.3 | 0.0 | 0 | -46 | 283.2 | 0.0 | 0.0 | 7.1 | 9.0 |
| 8TH | 146.17 | 111.7 | 0.0 | 2814 | 0 | 39.7 | 0.0 | 0 | -22 | 154.5 | 0.0 | 0.0 | 1.6 | 3.1 |
| 9TH | 161.75 | 42.8 | 0.0 | 952 | 0 | 45.0 | 0.0 | 0 | -17 | 42.8 | 0.0 | 0.0 | .1 | .7 |
| TOP | 167.00 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C | | | | | | | | | | | | GUST FACTOR 1.30 | | |
|---|--------|--------------|-----|--------------|---|----------------|-----|------------|-----|--------------|-----|-----------------------------|------|------|
| WIND DIRECTION 300 | | | | | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | 46.8 | 0.0 | 952 | 0 | 49.2 | 0.0 | 0 | -2 | 1009.8 | 0.0 | 0.0 | 79.6 | 26.3 |
| 2ND | 5.25 | 127.7 | 0.0 | 2814 | 0 | 45.4 | 0.0 | 0 | -7 | 963.0 | 0.0 | 0.0 | 74.4 | 26.2 |
| 3RD | 20.83 | 161.3 | 0.0 | 3981 | 0 | 40.5 | 0.0 | 0 | -25 | 835.3 | 0.0 | 0.0 | 60.4 | 25.4 |
| 4TH | 45.83 | 143.9 | 0.0 | 3994 | 0 | 36.0 | 0.0 | 0 | -33 | 674.0 | 0.0 | 0.0 | 41.5 | 21.4 |
| 5TH | 70.92 | 141.8 | 0.0 | 4008 | 0 | 35.4 | 0.0 | 0 | -34 | 530.1 | 0.0 | 0.0 | 26.4 | 16.6 |
| 6TH | 96.08 | 115.3 | 0.0 | 3994 | 0 | 28.9 | 0.0 | 0 | -37 | 388.3 | 0.0 | 0.0 | 14.9 | 11.7 |
| 7TH | 121.17 | 136.1 | 0.0 | 3981 | 0 | 34.2 | 0.0 | 0 | -35 | 273.0 | 0.0 | 0.0 | 6.6 | 7.4 |
| 8TH | 146.17 | 101.0 | 0.0 | 2814 | 0 | 35.9 | 0.0 | 0 | -19 | 136.9 | 0.0 | 0.0 | 1.4 | 2.6 |
| 9TH | 161.75 | 35.9 | 0.0 | 952 | 0 | 37.8 | 0.0 | 0 | -18 | 35.9 | 0.0 | 0.0 | .1 | .7 |
| TOP | 167.00 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS 1 | | | | | | | | | | | | | ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C | | | | | | | | |
|--------------------------------------|--------|--------------|-----|--------------|---|----------------|-----|------------|-----|--------------|-----|-----------------------|--|------|--|-----------------------------|--|--|------------------|--|--|
| WIND DIRECTION 315 | | | | | | | | | | | | | CONFIGURATION C | | | REFERENCE PRESSURE 21.0 PSF | | | GUST FACTOR 1.30 | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | | | | | | | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | | | | | | |
| 1ST | 0.00 | 36.2 | 0.0 | 952 | 0 | 38.1 | 0.0 | 0 | -3 | 863.1 | 0.0 | 0.0 | 73.5 | 19.3 | | | | | | | |
| 2ND | 5.25 | 98.7 | 0.0 | 2814 | 0 | 35.1 | 0.0 | 0 | -6 | 826.8 | 0.0 | 0.0 | 69.1 | 19.2 | | | | | | | |
| 3RD | 20.83 | 117.7 | 0.0 | 3981 | 0 | 29.6 | 0.0 | 0 | -23 | 728.2 | 0.0 | 0.0 | 56.9 | 18.6 | | | | | | | |
| 4TH | 45.83 | 103.8 | 0.0 | 3994 | 0 | 26.0 | 0.0 | 0 | -29 | 610.5 | 0.0 | 0.0 | 40.2 | 15.9 | | | | | | | |
| 5TH | 70.92 | 121.4 | 0.0 | 4008 | 0 | 30.3 | 0.0 | 0 | -28 | 506.7 | 0.0 | 0.0 | 26.2 | 12.9 | | | | | | | |
| 6TH | 96.08 | 109.6 | 0.0 | 3994 | 0 | 27.4 | 0.0 | 0 | -31 | 385.3 | 0.0 | 0.0 | 15.0 | 9.4 | | | | | | | |
| 7TH | 121.17 | 134.6 | 0.0 | 3981 | 0 | 33.8 | 0.0 | 0 | -26 | 275.7 | 0.0 | 0.0 | 6.7 | 6.1 | | | | | | | |
| 8TH | 146.17 | 105.7 | 0.0 | 2814 | 0 | 37.6 | 0.0 | 0 | -18 | 141.1 | 0.0 | 0.0 | 1.5 | 2.6 | | | | | | | |
| 9TH | 161.75 | 35.4 | 0.0 | 952 | 0 | 37.2 | 0.0 | 0 | -19 | 35.4 | 0.0 | 0.0 | .1 | .7 | | | | | | | |
| TOP | 167.00 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | | | |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | | | | | | | | | | | | | |
|--------------------------------------|--------|-----------------|-----|--------------|---|--|-----|------------|-----|------------------|-----|-----------------------|------|-----|
| WIND DIRECTION 330 | | CONFIGURATION C | | | | ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C | | | | GUST FACTOR 1.30 | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | | | | | | | | | 534.7 | 0.0 | 0.0 | 53.1 | 9.4 |
| 2ND | 5.25 | 16.3 | 0.0 | 952 | 0 | 17.1 | 0.0 | 0 | -1 | 518.5 | 0.0 | 0.0 | 50.3 | 9.4 |
| 3RD | 20.83 | 41.7 | 0.0 | 2814 | 0 | 14.8 | 0.0 | 0 | -4 | 476.8 | 0.0 | 0.0 | 42.6 | 9.2 |
| 4TH | 45.83 | 45.9 | 0.0 | 3981 | 0 | 11.5 | 0.0 | 0 | -20 | 430.9 | 0.0 | 0.0 | 31.2 | 8.3 |
| 5TH | 70.92 | 46.8 | 0.0 | 3994 | 0 | 11.7 | 0.0 | 0 | -24 | 384.1 | 0.0 | 0.0 | 21.0 | 7.2 |
| 6TH | 96.08 | 71.6 | 0.0 | 4008 | 0 | 17.9 | 0.0 | 0 | -23 | 312.4 | 0.0 | 0.0 | 12.2 | 5.6 |
| 7TH | 121.17 | 85.4 | 0.0 | 3994 | 0 | 21.4 | 0.0 | 0 | -20 | 227.1 | 0.0 | 0.0 | 5.5 | 3.8 |
| 8TH | 146.17 | 111.6 | 0.0 | 3981 | 0 | 28.0 | 0.0 | 0 | -16 | 115.5 | 0.0 | 0.0 | 1.2 | 2.0 |
| 9TH | 161.75 | 86.9 | 0.0 | 2814 | 0 | 30.9 | 0.0 | 0 | -16 | 28.6 | 0.0 | 0.0 | .1 | .7 |
| TOP | 167.00 | 28.6 | 0.0 | 952 | 0 | 30.0 | 0.0 | 0 | -24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

TABLE 7. SHEAR AND MOMENT DIAGRAMS
WIND DIRECTION 345

ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C
REFERENCE PRESSURE 21.0 PSF

GUST FACTOR 1.30

| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
|-------|--------|--------------|-----|--------------|---|----------------|-----|------------|-----|--------------|-----|-----------------------|------|-----|
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | | | 952 | 0 | -8.2 | 0.0 | 0 | -9 | 47.9 | 0.0 | 0.0 | 16.1 | -1 |
| 2ND | 5.25 | -7.8 | 0.0 | 2814 | 0 | -8.5 | 0.0 | 0 | -9 | 55.7 | 0.0 | 0.0 | 15.8 | 0 |
| 3RD | 20.83 | -24.6 | 0.0 | 3981 | 0 | -9.1 | 0.0 | 0 | -18 | 79.8 | 0.0 | 0.0 | 14.8 | 2 |
| 4TH | 45.83 | -36.3 | 0.0 | 3994 | 0 | -6.2 | 0.0 | 0 | -18 | 116.0 | 0.0 | 0.0 | 12.3 | 9 |
| 5TH | 70.92 | -24.7 | 0.0 | 4008 | 0 | 1.9 | 0.0 | 0 | 20 | 140.7 | 0.0 | 0.0 | 9.1 | 13 |
| 6TH | 96.08 | 7.7 | 0.0 | 3994 | 0 | 6.4 | 0.0 | 0 | -9 | 133.0 | 0.0 | 0.0 | 5.7 | 15 |
| 7TH | 121.17 | 25.7 | 0.0 | 3981 | 0 | 12.4 | 0.0 | 0 | -10 | 107.3 | 0.0 | 0.0 | 2.6 | 12 |
| 8TH | 146.17 | 49.5 | 0.0 | 2814 | 0 | 16.0 | 0.0 | 0 | -8 | 57.8 | 0.0 | 0.0 | .6 | 7 |
| 9TH | 161.75 | 45.1 | 0.0 | 952 | 0 | 13.3 | 0.0 | 0 | -30 | 12.7 | 0.0 | 0.0 | .0 | 4 |
| TOP | 167.00 | 12.7 | 0.0 | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

TABLE 7. ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C
 PROJECT 6082 CONFIGURATION C
 SCALE = 100 REF. PRESSURE = 21.0
 GUST FACTOR = 1.30 STANDARD FLOOR HEIGHT = 25.00
 NUMBER OF SIDES = 2 NO. OF FLOORS = 9

| SIDE | ANGLE | Z-AXIS |
|------|-------|--------|
| 1 | 0.0 | 10.875 |
| 2 | 180.0 | 10.875 |

| FLOOR # | LABEL | HEIGHT-FT |
|---------|-------|-----------|
| 1 | 1ST | 5.25 |
| 2 | 2ND | 15.58 |
| 3 | 3RD | 25.00 |
| 4 | 4TH | 25.00 |
| 5 | 5TH | 25.17 |
| 6 | 6TH | 25.00 |
| 7 | 7TH | 25.00 |
| 8 | 8TH | 15.58 |
| 9 | 9TH | 5.25 |

TABLE 7. BASE SHEAR AND MOMENT SUMMARY : SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C
 CONFIGURATION C REFERENCE PRESSURE 21.0 GUST FACTOR 1.30

| AZIMUTH | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | | ECCEN (FT) | |
|---------|--------------|-----|-----------------------|--------|-------|------------|-----|
| | X | Y | X | Y | Z | X | Y |
| 0 | -352.6 | 0.0 | 0.0 | -37.9 | 2.0 | 0 | 6 |
| 15 | -159.8 | 0.0 | 0.0 | -15.2 | 1.2 | 0 | -1 |
| 30 | 27.1 | 0.0 | 0.0 | 6.5 | -1.0 | 0 | 37 |
| 45 | 143.5 | 0.0 | 0.0 | 20.9 | -1.5 | 0 | 45 |
| 60 | 205.3 | 0.0 | 0.0 | 27.4 | -1.0 | 0 | 53 |
| 75 | 303.0 | 0.0 | 0.0 | 37.2 | -4.0 | 0 | 156 |
| 90 | 156.8 | 0.0 | 0.0 | 28.1 | -9.3 | 0 | 156 |
| 105 | -241.0 | 0.0 | 0.0 | -25.9 | -1.1 | 0 | 80 |
| 120 | -538.9 | 0.0 | 0.0 | -57.0 | -5.5 | 0 | 119 |
| 135 | -925.2 | 0.0 | 0.0 | -100.0 | -8.7 | 0 | 110 |
| 150 | -1192.1 | 0.0 | 0.0 | -130.9 | -13.5 | 0 | 101 |
| 165 | -1477.5 | 0.0 | 0.0 | -163.9 | -14.5 | 0 | 74 |
| 180 | -1782.2 | 0.0 | 0.0 | -199.3 | -13.2 | 0 | 47 |
| 195 | -1835.6 | 0.0 | 0.0 | -204.5 | -7.6 | 0 | 47 |
| 210 | -864.1 | 0.0 | 0.0 | -95.5 | -2.4 | 0 | 29 |
| 225 | -35.6 | 0.0 | 0.0 | -1.7 | -9.4 | 0 | 2 |
| 240 | 660.1 | 0.0 | 0.0 | 76.3 | -4.9 | 0 | 74 |
| 255 | 1371.5 | 0.0 | 0.0 | 156.3 | -11.0 | 0 | 80 |
| 270 | 1972.3 | 0.0 | 0.0 | 224.8 | -22.2 | 0 | 119 |
| 285 | 1867.7 | 0.0 | 0.0 | 212.4 | -11.1 | 0 | 119 |
| 300 | 1826.7 | 0.0 | 0.0 | 206.0 | -11.1 | 0 | 119 |
| 315 | 1584.2 | 0.0 | 0.0 | 179.2 | -11.1 | 0 | 119 |
| 330 | 884.7 | 0.0 | 0.0 | 98.8 | -11.1 | 0 | 119 |
| 345 | -248.9 | 0.0 | 0.0 | -28.3 | 6.9 | 0 | 119 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS 1 SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C | | | | | | | | | | | | | | |
|---|--------|-----------------|-----|--------------|---|----------------|-----|------------|----|-----------------------------|-----|-----------------------|------------------|-----|
| WIND DIRECTION 0 | | CONFIGURATION C | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | GUST FACTOR 1.30 | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | -29.5 | 0.0 | 2921 | 0 | -10.1 | 0.0 | 0 | 9 | -352.6 | 0.0 | 0.0 | -37.9 | 2.0 |
| 2ND | 17.50 | -39.6 | 0.0 | 3801 | 0 | -10.4 | 0.0 | 0 | 10 | -323.2 | 0.0 | 0.0 | -32.0 | 1.7 |
| 3RD | 40.00 | -58.9 | 0.0 | 6015 | 0 | -9.7 | 0.0 | 0 | 11 | -283.6 | 0.0 | 0.0 | -25.1 | 1.3 |
| 4TH | 75.00 | -79.4 | 0.0 | 8808 | 0 | -9.0 | 0.0 | 0 | 7 | -225.0 | 0.0 | 0.0 | -16.2 | .7 |
| 5TH | 125.00 | -77.8 | 0.0 | 9031 | 0 | -8.6 | 0.0 | 0 | 4 | -145.6 | 0.0 | 0.0 | -7.0 | .1 |
| 6TH | 175.00 | -51.4 | 0.0 | 6117 | 0 | -8.4 | 0.0 | 0 | -0 | -67.9 | 0.0 | 0.0 | -1.6 | -.2 |
| 7TH | 208.75 | -16.4 | 0.0 | 2325 | 0 | -7.1 | 0.0 | 0 | -9 | -16.4 | 0.0 | 0.0 | -.2 | -.2 |
| TOP | 233.50 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

TABLE 7. SHEAR AND MOMENT DIAGRAMS :
WIND DIRECTION 15

SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C
REFERENCE PRESSURE 21.0 PSF

GUST FACTOR 1.30

| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
|-------|--------|--------------|-----|--------------|---|----------------|-----|------------|-----|--------------|-----|-----------------------|-------|------|
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | | | | | | | | | -159.8 | 0.0 | 0.0 | -15.2 | -1.2 |
| 2ND | 17.50 | -16.5 | 0.0 | 2921 | 0 | -5.6 | 0.0 | 0 | -0 | -143.3 | 0.0 | 0.0 | -12.6 | -1.2 |
| 3RD | 40.00 | -22.4 | 0.0 | 3801 | 0 | -5.9 | 0.0 | 0 | -0 | -120.9 | 0.0 | 0.0 | -9.6 | -1.2 |
| 4TH | 75.00 | -32.7 | 0.0 | 6015 | 0 | -5.4 | 0.0 | 0 | 4 | -88.1 | 0.0 | 0.0 | -5.9 | -1.3 |
| 5TH | 125.00 | -37.9 | 0.0 | 8808 | 0 | -4.3 | 0.0 | 0 | 1 | -50.2 | 0.0 | 0.0 | -2.5 | -1.4 |
| 6TH | 175.00 | -25.5 | 0.0 | 9031 | 0 | -2.8 | 0.0 | 0 | -4 | -24.7 | 0.0 | 0.0 | -1.6 | -1.3 |
| 7TH | 208.75 | -18.3 | 0.0 | 6117 | 0 | -3.0 | 0.0 | 0 | -6 | -6.4 | 0.0 | 0.0 | -1.1 | -1.2 |
| TOP | 233.50 | -6.4 | 0.0 | 2325 | 0 | -2.7 | 0.0 | 0 | -25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | | | | | | | | | | | | | | |
|--------------------------------------|--------|-----------------|-----|--------------|---|--|-----|------------|-----|-----------------------------|-----|-----------------------|-----|------------------|--|
| WIND DIRECTION 30 | | CONFIGURATION C | | | | SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C | | | | REFERENCE PRESSURE 21.0 PSF | | | | GUST FACTOR 1.30 | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z | |
| 1ST | 0.00 | -4.7 | 0.0 | 2921 | 0 | -1.6 | 0.0 | 0 | -24 | 27.1 | 0.0 | 0.0 | 6.5 | -1.0 | |
| 2ND | 17.30 | -7.0 | 0.0 | 3801 | 0 | -1.8 | 0.0 | 0 | -20 | 31.9 | 0.0 | 0.0 | 6.0 | -1.9 | |
| 3RD | 40.00 | -3.5 | 0.0 | 6015 | 0 | -1.6 | 0.0 | 0 | -23 | 38.9 | 0.0 | 0.0 | 5.2 | -1.7 | |
| 4TH | 75.00 | 8.9 | 0.0 | 8898 | 0 | 1.0 | 0.0 | 0 | 14 | 42.4 | 0.0 | 0.0 | 3.7 | -1.7 | |
| 5TH | 125.00 | 14.4 | 0.0 | 9031 | 0 | 1.6 | 0.0 | 0 | 17 | 33.5 | 0.0 | 0.0 | 1.8 | -1.5 | |
| 6TH | 175.00 | 12.2 | 0.0 | 6117 | 0 | 2.0 | 0.0 | 0 | 17 | 19.1 | 0.0 | 0.0 | .5 | -1.3 | |
| 7TH | 208.75 | 6.9 | 0.0 | 2325 | 0 | 3.0 | 0.0 | 0 | 12 | 6.9 | 0.0 | 0.0 | .1 | -1.1 | |
| TOP | 233.50 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C | | | | | | | | | | | | | | | |
|---|--------|-----------------|-----|--------------|---|----------------|-----|------------|-----|-----------------------------|-----|-----------------------|------|------------------|--|
| WIND DIRECTION 45 | | CONFIGURATION C | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | | GUST FACTOR 1.30 | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z | |
| 1ST | 0.00 | | | | | | | | | 143.5 | 0.0 | 0.0 | 20.9 | -1.5 | |
| 2ND | 17.50 | 1.1 | 0.0 | 2921 | 0 | .4 | 0.0 | 0 | 199 | 142.5 | 0.0 | 0.0 | 18.4 | -1.3 | |
| 3RD | 40.00 | .7 | 0.0 | 3801 | 0 | .2 | 0.0 | 0 | 271 | 141.8 | 0.0 | 0.0 | 15.2 | -1.1 | |
| 4TH | 75.00 | 10.5 | 0.0 | 6015 | 0 | 1.7 | 0.0 | 0 | 17 | 131.3 | 0.0 | 0.0 | 10.5 | -.0 | |
| 5TH | 125.00 | 36.3 | 0.0 | 8808 | 0 | 4.1 | 0.0 | 0 | 4 | 95.0 | 0.0 | 0.0 | 4.8 | -.2 | |
| 6TH | 175.00 | 46.5 | 0.0 | 9031 | 0 | 5.1 | 0.0 | 0 | 1 | 48.5 | 0.0 | 0.0 | 1.2 | -.2 | |
| 7TH | 208.75 | 34.8 | 0.0 | 6117 | 0 | 5.7 | 0.0 | 0 | -2 | 13.7 | 0.0 | 0.0 | .2 | -.2 | |
| TOP | 233.50 | 13.7 | 0.0 | 2325 | 0 | 5.9 | 0.0 | 0 | -11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

| TABLE 7. SHEAR AND MOMENT DIAGRAM : SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C | | | | | | | | | | | | | | | |
|--|--------|-----------------|-----|--------------|---|----------------|-----|------------|-----|-----------------------------|-----|-----------------------|------|------------------|--|
| WIND DIRECTION 60 | | CONFIGURATION C | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | | GUST FACTOR 1.30 | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z | |
| 1ST | 0.00 | 9.8 | 0.0 | 2921 | 0 | 2.0 | 0.0 | 0 | 63 | 203.3 | 0.0 | 0.0 | 27.4 | -1.0 | |
| 2ND | 17.50 | 9.2 | 0.0 | 3801 | 0 | 2.4 | 0.0 | 0 | 45 | 199.5 | 0.0 | 0.0 | 23.9 | -1.6 | |
| 3RD | 40.00 | 21.5 | 0.0 | 6615 | 0 | 3.6 | 0.0 | 0 | 17 | 190.3 | 0.0 | 0.0 | 19.3 | -1.2 | |
| 4TH | 75.00 | 48.1 | 0.0 | 8808 | 0 | 5.5 | 0.0 | 0 | 3 | 168.8 | 0.0 | 0.0 | 13.2 | .2 | |
| 5TH | 125.00 | 61.3 | 0.0 | 9031 | 0 | 6.8 | 0.0 | 0 | 0 | 120.7 | 0.0 | 0.0 | 6.0 | .3 | |
| 6TH | 175.00 | 43.1 | 0.0 | 6117 | 0 | 7.0 | 0.0 | 0 | -2 | 59.4 | 0.0 | 0.0 | 1.5 | .3 | |
| 7TH | 208.75 | 16.3 | 0.0 | 2325 | 0 | 7.0 | 0.0 | 0 | -13 | 16.3 | 0.0 | 0.0 | .2 | .2 | |
| TOP | 233.50 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | | | | | | | | | | | | | |
|--------------------------------------|--------|--|-----|-----------------------------|---|----------------|-----|------------|----|--------------|-----|-----------------------|------|------|
| WIND DIRECTION 75 | | SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C | | | | | | | | | | GUST FACTOR 1.30 | | |
| | | CONFIGURATION C | | REFERENCE PRESSURE 21.0 PSF | | | | | | | | MOMENT (1000-FT-KIPS) | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | X | Y | Z |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | | | |
| 1ST | 0.00 | | | | | | | | | 303.0 | 0.0 | 0.0 | 37.2 | -4.8 |
| 2ND | 17.50 | 16.7 | 0.0 | 2921 | 0 | 5.7 | 0.0 | 0 | 30 | 286.3 | 0.0 | 0.0 | 32.0 | -4.3 |
| 3RD | 40.00 | 25.1 | 0.0 | 3801 | 0 | 6.6 | 0.0 | 0 | 29 | 261.2 | 0.0 | 0.0 | 25.9 | -3.6 |
| 4TH | 75.00 | 41.0 | 0.0 | 6015 | 0 | 6.8 | 0.0 | 0 | 24 | 220.2 | 0.0 | 0.0 | 17.5 | -2.6 |
| 5TH | 125.00 | 63.3 | 0.0 | 8808 | 0 | 7.2 | 0.0 | 0 | 18 | 157.0 | 0.0 | 0.0 | 8.0 | -1.5 |
| 6TH | 175.00 | 75.0 | 0.0 | 9031 | 0 | 8.3 | 0.0 | 0 | 14 | 81.9 | 0.0 | 0.0 | 2.1 | -.4 |
| 7TH | 208.75 | 59.0 | 0.0 | 6117 | 0 | 9.7 | 0.0 | 0 | 8 | 22.9 | 0.0 | 0.0 | .3 | .0 |
| TOP | 233.50 | 22.9 | 0.0 | 2325 | 0 | 9.8 | 0.0 | 0 | -1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C | | | | | | | | | | | | | | |
|---|--------|-----------------|-----|--------------|---|----------------|-----|------------|----|-----------------------------|-----|-----------------------|------------------|------|
| WIND DIRECTION 90 | | CONFIGURATION C | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | GUST FACTOR 1.30 | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | | | | | | | | | 156.8 | 0.0 | 0.0 | 20.1 | -9.3 |
| 2ND | 17.50 | 4.6 | 0.0 | 2921 | 0 | 1.6 | 0.0 | 0 | 98 | 132.2 | 0.0 | 0.0 | 17.4 | -8.8 |
| 3RD | 40.00 | 9.4 | 0.0 | 3801 | 0 | 2.5 | 0.0 | 0 | 77 | 142.8 | 0.0 | 0.0 | 14.1 | -8.1 |
| 4TH | 75.00 | 19.9 | 0.0 | 6015 | 0 | 3.3 | 0.0 | 0 | 65 | 122.9 | 0.0 | 0.0 | 9.4 | -6.8 |
| 5TH | 125.00 | 38.0 | 0.0 | 8808 | 0 | 4.3 | 0.0 | 0 | 60 | 84.9 | 0.0 | 0.0 | 4.2 | -4.5 |
| 6TH | 175.00 | 44.0 | 0.0 | 9031 | 0 | 4.9 | 0.0 | 0 | 55 | 49.9 | 0.0 | 0.0 | 1.1 | -2.1 |
| 7TH | 208.75 | 27.1 | 0.0 | 6117 | 0 | 4.4 | 0.0 | 0 | 62 | 13.8 | 0.0 | 0.0 | .2 | -1.4 |
| TOP | 233.50 | 13.8 | 0.0 | 2325 | 0 | 5.9 | 0.0 | 0 | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C | | | | | | | | | | GUST FACTOR 1.30 | | |
|--------------------------------------|--------|--|-----|--------------|---|----------------|-----|------------|-----|--------------|-----|-----------------------------|-------|------|
| WIND DIRECTION 105 | | CONFIGURATION C | | | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | | | | | | | | | -241.0 | 0.0 | 0.0 | -25.9 | -1.9 |
| 2ND | 17.50 | -20.9 | 0.0 | 2921 | 0 | -7.2 | 0.0 | 0 | 2 | -220.0 | 0.0 | 0.0 | -21.9 | -2.0 |
| 3RD | 40.00 | -24.7 | 0.0 | 3001 | 0 | -6.5 | 0.0 | 0 | -1 | -195.3 | 0.0 | 0.0 | -17.2 | -1.9 |
| 4TH | 75.00 | -38.1 | 0.0 | 6015 | 0 | -6.3 | 0.0 | 0 | -3 | -157.2 | 0.0 | 0.0 | -11.1 | -1.8 |
| 5TH | 125.00 | -56.3 | 0.0 | 8808 | 0 | -6.4 | 0.0 | 0 | -6 | -100.9 | 0.0 | 0.0 | -4.6 | -1.5 |
| 6TH | 175.00 | -56.0 | 0.0 | 9031 | 0 | -6.2 | 0.0 | 0 | -5 | -44.9 | 0.0 | 0.0 | -1.0 | -1.2 |
| 7TH | 208.75 | -38.3 | 0.0 | 6117 | 0 | -6.3 | 0.0 | 0 | -17 | -6.6 | 0.0 | 0.0 | -.1 | -.6 |
| TOP | 233.50 | -6.6 | 0.0 | 2325 | 0 | -2.9 | 0.0 | 0 | -87 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | | | | | | | | | | | | | |
|--------------------------------------|--------|--|-----|--------------|---|----------------|-----|------------|-----|------------------|-----|-----------------------|-------|------|
| WIND DIRECTION 120 | | SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C | | | | | | | | GUST FACTOR 1.30 | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | | | | | | | | | -538.9 | 0.0 | 0.0 | -37.0 | -1.5 |
| 2ND | 17.50 | -46.5 | 0.0 | 2921 | 0 | -15.9 | 0.0 | 0 | 9 | -492.4 | 0.0 | 0.0 | -48.0 | -1.9 |
| 3RD | 40.00 | -57.4 | 0.0 | 3801 | 0 | -15.1 | 0.0 | 0 | 8 | -435.0 | 0.0 | 0.0 | -37.5 | -1.3 |
| 4TH | 75.00 | -88.2 | 0.0 | 6015 | 0 | -14.7 | 0.0 | 0 | 5 | -346.8 | 0.0 | 0.0 | -23.8 | -1.8 |
| 5TH | 125.00 | -129.1 | 0.0 | 9808 | 0 | -14.7 | 0.0 | 0 | 1 | -217.7 | 0.0 | 0.0 | -9.7 | -1.9 |
| 6TH | 175.00 | -124.9 | 0.0 | 9031 | 0 | -13.8 | 0.0 | 0 | -2 | -92.8 | 0.0 | 0.0 | -2.0 | -1.6 |
| 7TH | 208.75 | -79.1 | 0.0 | 6117 | 0 | -12.9 | 0.0 | 0 | -10 | -13.7 | 0.0 | 0.0 | -2 | -1.8 |
| TOP | 233.50 | -13.7 | 0.0 | 2325 | 0 | -5.9 | 0.0 | 0 | -60 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C | | | | | | | | GUST FACTOR 1.30 | | | | |
|--------------------------------------|--------|--|-----|--------------|---|----------------|-----|------------|-----|-----------------------------|-----|-----------------------|--------|-----|
| WIND DIRECTION 135 | | CONFIGURATION C | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | | | | | | | | | -925.2 | 0.0 | 0.0 | -100.0 | 8.7 |
| 2ND | 17.50 | -74.2 | 0.0 | 2921 | 0 | -25.4 | 0.0 | 0 | 16 | -851.6 | 0.0 | 0.0 | -84.5 | 7.5 |
| 3RD | 40.00 | -93.2 | 0.0 | 3001 | 0 | -24.5 | 0.0 | 0 | 15 | -757.8 | 0.0 | 0.0 | -66.4 | 6.1 |
| 4TH | 75.00 | -147.1 | 0.0 | 6013 | 0 | -24.5 | 0.0 | 0 | 14 | -610.7 | 0.0 | 0.0 | -42.4 | 4.1 |
| 5TH | 125.00 | -222.0 | 0.0 | 8008 | 0 | -25.2 | 0.0 | 0 | 11 | -388.6 | 0.0 | 0.0 | -17.5 | 1.7 |
| 6TH | 175.00 | -223.1 | 0.0 | 9031 | 0 | -24.7 | 0.0 | 0 | 9 | -165.5 | 0.0 | 0.0 | -3.6 | -2 |
| 7TH | 208.75 | -137.9 | 0.0 | 6117 | 0 | -22.5 | 0.0 | 0 | 3 | -27.6 | 0.0 | 0.0 | -.3 | -6 |
| TOP | 233.50 | -27.6 | 0.0 | 2325 | 0 | -11.9 | 0.0 | 0 | -22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C | | | | | | | | | | | | | | |
|---|--------|-----------------|-----|--------------|---|----------------|-----|------------|-----|------------------|-----|-----------------------|--------|------|
| WIND DIRECTION 150 | | CONFIGURATION C | | | | | | | | GUST FACTOR 1.30 | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | | | | | | | | | -1192.1 | 0.0 | 0.0 | -130.9 | 13.5 |
| 2ND | 17.50 | -93.8 | 0.0 | 2921 | 0 | -32.1 | 0.0 | 0 | 17 | -1098.3 | 0.0 | 0.0 | -110.8 | 12.0 |
| 3RD | 40.00 | -116.7 | 0.0 | 3001 | 0 | -30.7 | 0.0 | 0 | 16 | -981.6 | 0.0 | 0.0 | -87.4 | 10.1 |
| 4TH | 75.00 | -103.7 | 0.0 | 6015 | 0 | -30.9 | 0.0 | 0 | 14 | -795.9 | 0.0 | 0.0 | -56.3 | 7.5 |
| 5TH | 125.00 | -281.7 | 0.0 | 8808 | 0 | -32.0 | 0.0 | 0 | 13 | -514.2 | 0.0 | 0.0 | -23.6 | 3.9 |
| 6TH | 175.00 | -286.8 | 0.0 | 9031 | 0 | -31.8 | 0.0 | 0 | 10 | -227.4 | 0.0 | 0.0 | -5.0 | .9 |
| 7TH | 208.75 | -186.3 | 0.0 | 6117 | 0 | -30.5 | 0.0 | 0 | 7 | -41.0 | 0.0 | 0.0 | -.5 | -.4 |
| TOP | 233.50 | -41.0 | 0.0 | 2325 | 0 | -17.7 | 0.0 | 0 | -10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

TABLE 7. SHEAR AND MOMENT DIAGRAMS 1
WIND DIRECTION 165
CONFIGURATION C

SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C
REFERENCE PRESSURE 21.0 PSF

GUST FACTOR 1.30

| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
|-------|--------|--------------|-----|--------------|---|----------------|-----|------------|----|--------------|-----|-----------------------|--------|------|
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | -114.7 | 0.0 | 2921 | 0 | -39.3 | 0.0 | 0 | 14 | -1477.3 | 0.0 | 0.0 | -163.9 | 14.6 |
| 2ND | 17.50 | -140.9 | 0.0 | 3801 | 0 | -37.1 | 0.0 | 0 | 13 | -1362.6 | 0.0 | 0.0 | -139.0 | 12.9 |
| 3RD | 40.00 | -224.1 | 0.0 | 6015 | 0 | -37.3 | 0.0 | 0 | 13 | -1221.7 | 0.0 | 0.0 | -110.0 | 10.9 |
| 4TH | 75.00 | -346.1 | 0.0 | 8808 | 0 | -39.3 | 0.0 | 0 | 10 | -997.6 | 0.0 | 0.0 | -71.1 | 7.9 |
| 5TH | 125.00 | -363.9 | 0.0 | 9031 | 0 | -40.3 | 0.0 | 0 | 9 | -651.5 | 0.0 | 0.0 | -29.9 | 4.4 |
| 6TH | 175.00 | -234.1 | 0.0 | 6117 | 0 | -38.3 | 0.0 | 0 | 6 | -287.6 | 0.0 | 0.0 | -6.4 | 1.1 |
| 7TH | 208.75 | -53.4 | 0.0 | 2325 | 0 | -23.0 | 0.0 | 0 | -8 | -53.4 | 0.0 | 0.0 | -7 | -4 |
| TOP | 233.50 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

TABLE 7. SHEAR AND MOMENT DIAGRAMS :
WIND DIRECTION 180

SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C
REFERENCE PRESSURE 21.0 PSF

CUST FACTOR 1.30

| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
|-------|--------|--------------|-----|--------------|---|----------------|-----|------------|----|--------------|-----|-----------------------|--------|------|
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | -138.6 | 0.0 | 2921 | 0 | -47.2 | 0.0 | 0 | 13 | -1792.3 | 0.0 | 0.0 | -199.3 | 13.2 |
| 2ND | 17.50 | -169.3 | 0.0 | 3891 | 0 | -44.5 | 0.0 | 0 | 12 | -1654.4 | 0.0 | 0.0 | -169.2 | 11.4 |
| 3RD | 40.00 | -273.8 | 0.0 | 6015 | 0 | -45.5 | 0.0 | 0 | 11 | -1485.1 | 0.0 | 0.0 | -133.9 | 9.3 |
| 4TH | 75.00 | -421.7 | 0.0 | 8808 | 0 | -47.9 | 0.0 | 0 | 8 | -1211.3 | 0.0 | 0.0 | -86.7 | 6.2 |
| 5TH | 125.00 | -434.7 | 0.0 | 9031 | 0 | -48.1 | 0.0 | 0 | 5 | -789.5 | 0.0 | 0.0 | -36.6 | 2.7 |
| 6TH | 175.00 | -284.7 | 0.0 | 6117 | 0 | -46.5 | 0.0 | 0 | 4 | -354.8 | 0.0 | 0.0 | -8.0 | .4 |
| 7TH | 208.75 | -70.1 | 0.0 | 2325 | 0 | -30.2 | 0.0 | 0 | -9 | -70.1 | 0.0 | 0.0 | -.9 | -.6 |
| TOP | 233.50 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS, SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C | | | | | | | | | | | | | | |
|--|--------|-----------------|-----|--------------|---|----------------|-----|------------|-----|--------------|-----|-----------------------|--------|-----|
| WIND DIRECTION 193 | | CONFIGURATION C | | | | | | | | | | GUST FACTOR 1.30 | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | -137.4 | 0.0 | 2921 | 0 | -47.1 | 0.0 | 0 | 10 | -1835.6 | 0.0 | 0.0 | -294.5 | 7.6 |
| 2ND | 17.50 | -174.5 | 0.0 | 3801 | 0 | -45.9 | 0.0 | 0 | 9 | -1698.2 | 0.0 | 0.0 | -173.5 | 6.2 |
| 3RD | 40.00 | -202.9 | 0.0 | 6015 | 0 | -47.2 | 0.0 | 0 | 7 | -1523.7 | 0.0 | 0.0 | -137.3 | 4.7 |
| 4TH | 75.00 | -429.9 | 0.0 | 8808 | 0 | -48.8 | 0.0 | 0 | 4 | -1239.8 | 0.0 | 0.0 | -88.9 | 2.6 |
| 5TH | 125.00 | -445.4 | 0.0 | 9031 | 0 | -49.3 | 0.0 | 0 | 3 | -809.9 | 0.0 | 0.0 | -37.7 | .7 |
| 6TH | 175.00 | -289.7 | 0.0 | 6117 | 0 | -47.4 | 0.0 | 0 | 1 | -364.5 | 0.0 | 0.0 | -8.3 | -.5 |
| 7TH | 208.75 | -74.8 | 0.0 | 2325 | 0 | -32.2 | 0.0 | 0 | -11 | -74.8 | 0.0 | 0.0 | -.9 | -.8 |
| TOP | 233.50 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

TABLE 7. SHEAR AND MOMENT DIAGRAMS : SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C
 WIND DIRECTION 210 CONFIGURATION C REFERENCE PRESSURE 21.0 PSF

| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | GUST FACTOR 1.30 MOMENT (1000-FT-KIPS) | | |
|-------|--------|--------------|-----|--------------|---|----------------|-----|------------|-----|--------------|-----|---|-------|------|
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | | | | | | | | | -864.1 | 0.0 | 0.0 | -95.5 | -2.4 |
| 2ND | 17.50 | -66.7 | 0.0 | 2921 | 0 | -22.8 | 0.0 | 0 | 4 | -797.5 | 0.0 | 0.0 | -80.9 | -2.6 |
| 3RD | 40.00 | -80.6 | 0.0 | 3001 | 0 | -21.2 | 0.0 | 0 | 4 | -716.9 | 0.0 | 0.0 | -63.9 | -3.0 |
| 4TH | 75.00 | -130.1 | 0.0 | 6015 | 0 | -21.6 | 0.0 | 0 | 1 | -586.7 | 0.0 | 0.0 | -41.1 | -3.1 |
| 5TH | 125.00 | -210.2 | 0.0 | 8808 | 0 | -23.9 | 0.0 | 0 | -2 | -376.5 | 0.0 | 0.0 | -17.0 | -2.6 |
| 6TH | 175.00 | -213.3 | 0.0 | 9031 | 0 | -23.6 | 0.0 | 0 | -6 | -163.2 | 0.0 | 0.0 | -3.5 | -1.3 |
| 7TH | 208.75 | -137.6 | 0.0 | 6117 | 0 | -22.5 | 0.0 | 0 | -6 | -25.6 | 0.0 | 0.0 | -1.3 | -1.4 |
| TOP | 233.50 | -25.6 | 0.0 | 2325 | 0 | -11.0 | 0.0 | 0 | -17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS - SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C | | | | | | | | | | | | | | |
|---|--------|-----------------|-----|--------------|---|----------------|-----|------------|------|------------------|-----|-----------------------|------|------|
| WIND DIRECTION 225 | | CONFIGURATION C | | | | | | | | GUST FACTOR 1.30 | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | | | | | | | | | -35.6 | 0.0 | 0.0 | -1.7 | -9.4 |
| 2ND | 17.50 | -4.0 | 0.0 | 2921 | 0 | -1.4 | 0.0 | 0 | -127 | -31.6 | 0.0 | 0.0 | -1.1 | -8.9 |
| 3RD | 40.00 | -3.1 | 0.0 | 3001 | 0 | -1.0 | 0.0 | 0 | -207 | -28.5 | 0.0 | 0.0 | -1.4 | -8.2 |
| 4TH | 75.00 | -6.4 | 0.0 | 6015 | 0 | -1.1 | 0.0 | 0 | -193 | -22.1 | 0.0 | 0.0 | .4 | -7.0 |
| 5TH | 125.00 | -17.6 | 0.0 | 8808 | 0 | -2.0 | 0.0 | 0 | -129 | -4.5 | 0.0 | 0.0 | 1.1 | -4.7 |
| 6TH | 175.00 | -19.9 | 0.0 | 9031 | 0 | -2.2 | 0.0 | 0 | -141 | 15.4 | 0.0 | 0.0 | .8 | -1.9 |
| 7TH | 208.75 | -4.0 | 0.0 | 6117 | 0 | -1.7 | 0.0 | 0 | -425 | 19.4 | 0.0 | 0.0 | .2 | -1.2 |
| TOP | 233.50 | 19.4 | 0.0 | 2325 | 0 | 8.4 | 0.0 | 0 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS 1 | | | | | | | | | | | | | | |
|--------------------------------------|--------|--|-----|--------------|---|----------------|-----|------------------|-----|--------------|-----|-----------------------|------|------|
| WIND DIRECTION 240 | | SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C | | | | | | GUST FACTOR 1.30 | | | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | | | | | | | | | 668.5 | 0.0 | 0.0 | 74.3 | -4.9 |
| 2ND | 17.50 | 47.1 | 0.0 | 2921 | 0 | 16.1 | 0.0 | 0 | 12 | 613.4 | 0.0 | 0.0 | 63.1 | -4.3 |
| 3RD | 40.00 | 64.8 | 0.0 | 3801 | 0 | 17.1 | 0.0 | 0 | 9 | 548.6 | 0.0 | 0.0 | 52.0 | -3.7 |
| 4TH | 75.00 | 99.2 | 0.0 | 6015 | 0 | 16.5 | 0.0 | 0 | 8 | 449.3 | 0.0 | 0.0 | 34.6 | -2.9 |
| 5TH | 125.00 | 143.3 | 0.0 | 8808 | 0 | 16.3 | 0.0 | 0 | 10 | 306.0 | 0.0 | 0.0 | 15.7 | -1.5 |
| 6TH | 175.00 | 149.6 | 0.0 | 9031 | 0 | 16.6 | 0.0 | 0 | 9 | 156.4 | 0.0 | 0.0 | 4.1 | -1.1 |
| 7TH | 208.75 | 109.9 | 0.0 | 6117 | 0 | 17.3 | 0.0 | 0 | 6 | 50.7 | 0.0 | 0.0 | .6 | .5 |
| TOP | 233.50 | 50.7 | 0.0 | 2325 | 0 | 21.8 | 0.0 | 0 | -11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C | | | | | | | | GUST FACTOR 1.30 | | | | |
|--------------------------------------|--------|--|-----|--------------|---|-----------------------------|-----|------------|-----|------------------|-----|-----------------------|-------|------|
| WIND DIRECTION 255 | | CONFIGURATION C | | | | REFERENCE PRESSURE 21.0 PSF | | | | | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | | | | | | | | | 1371.3 | 0.0 | 0.0 | 136.3 | 11.0 |
| 2ND | 17.50 | 97.8 | 0.0 | 2921 | 0 | 33.5 | 0.0 | 0 | 1 | 1273.4 | 0.0 | 0.0 | 133.2 | 11.1 |
| 3RD | 40.00 | 133.0 | 0.0 | 3001 | 0 | 35.0 | 0.0 | 0 | -1 | 1140.4 | 0.0 | 0.0 | 106.0 | 10.9 |
| 4TH | 75.00 | 210.0 | 0.0 | 6015 | 0 | 34.9 | 0.0 | 0 | -4 | 930.5 | 0.0 | 0.0 | 69.8 | 10.1 |
| 5TH | 125.00 | 308.3 | 0.0 | 8808 | 0 | 35.0 | 0.0 | 0 | -7 | 622.2 | 0.0 | 0.0 | 31.0 | 7.8 |
| 6TH | 175.00 | 319.2 | 0.0 | 9031 | 0 | 35.3 | 0.0 | 0 | -9 | 303.0 | 0.0 | 0.0 | 7.8 | 4.8 |
| 7TH | 208.75 | 209.4 | 0.0 | 6117 | 0 | 34.2 | 0.0 | 0 | -12 | 93.6 | 0.0 | 0.0 | 1.2 | 2.4 |
| TOP | 233.50 | 93.6 | 0.0 | 2325 | 0 | 40.2 | 0.0 | 0 | -26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS 1 | | SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C | | | | | | | | GUST FACTOR 1.30 | | | | |
|--------------------------------------|--------|--|-----|--------------|---|----------------|-----|------------|-----|------------------|-----|-----------------------|-------|-----|
| WIND DIRECTION 270 | | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| FLOOR | HEIGHT | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | | | | | | | | | 1972.3 | 0.0 | 0.0 | 224.8 | 3.2 |
| 2ND | 17.50 | 137.6 | 0.0 | 2921 | 0 | 47.1 | 0.0 | 0 | 3 | 1834.7 | 0.0 | 0.0 | 191.5 | 3.5 |
| 3RD | 40.00 | 187.9 | 0.0 | 3001 | 0 | 49.4 | 0.0 | 0 | 2 | 1646.9 | 0.0 | 0.0 | 152.4 | 6.0 |
| 4TH | 75.00 | 301.1 | 0.0 | 6013 | 0 | 50.1 | 0.0 | 0 | 1 | 1345.7 | 0.0 | 0.0 | 100.0 | 6.4 |
| 5TH | 125.00 | 452.9 | 0.0 | 8808 | 0 | 51.4 | 0.0 | 0 | -0 | 892.8 | 0.0 | 0.0 | 44.0 | 6.2 |
| 6TH | 175.00 | 461.0 | 0.0 | 9031 | 0 | 51.0 | 0.0 | 0 | -5 | 431.9 | 0.0 | 0.0 | 10.9 | 4.0 |
| 7TH | 208.75 | 308.0 | 0.0 | 6117 | 0 | 50.3 | 0.0 | 0 | -6 | 123.9 | 0.0 | 0.0 | 1.5 | 2.1 |
| TOP | 233.50 | 123.9 | 0.0 | 2325 | 0 | 53.3 | 0.0 | 0 | -17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C | | | | | | | | GUST FACTOR 1.30 | | | | |
|--------------------------------------|--------|--|-----|--------------|---|----------------|-----|------------|-----|-----------------------------|-----|-----------------------|-------|------|
| WIND DIRECTION 285 | | CONFIGURATION C | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | 136.6 | 0.0 | 2921 | 0 | 46.8 | 0.0 | 0 | 8 | 1867.7 | 0.0 | 0.0 | 212.4 | -2.8 |
| 2ND | 17.50 | 181.4 | 0.0 | 3001 | 0 | 47.7 | 0.0 | 0 | 7 | 1731.1 | 0.0 | 0.0 | 180.9 | -1.8 |
| 3RD | 40.00 | 287.1 | 0.0 | 6013 | 0 | 47.7 | 0.0 | 0 | 6 | 1549.7 | 0.0 | 0.0 | 144.0 | -1.4 |
| 4TH | 75.00 | 415.2 | 0.0 | 8808 | 0 | 47.1 | 0.0 | 0 | 3 | 1262.6 | 0.0 | 0.0 | 94.8 | 1.2 |
| 5TH | 125.00 | 431.7 | 0.0 | 9031 | 0 | 47.8 | 0.0 | 0 | -0 | 847.4 | 0.0 | 0.0 | 42.0 | 2.6 |
| 6TH | 175.00 | 297.7 | 0.0 | 6117 | 0 | 48.7 | 0.0 | 0 | -2 | 415.7 | 0.0 | 0.0 | 10.5 | 2.4 |
| 7TH | 208.75 | 110.0 | 0.0 | 2325 | 0 | 50.8 | 0.0 | 0 | -14 | 118.0 | 0.0 | 0.0 | 1.5 | 1.7 |
| TOP | 233.50 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | | | | | | | | | | | | | |
|--------------------------------------|--------|--|-----|-----------------------------|---|----------------|-----|------------|----|------------------|-----|-----------------------|-------|------|
| WIND DIRECTION 300 | | SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C | | | | | | | | GUST FACTOR 1.30 | | | | |
| | | CONFIGURATION C | | REFERENCE PRESSURE 21.0 PSF | | | | | | | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | 134.8 | 0.0 | 2921 | 0 | 46.2 | 0.0 | 0 | 8 | 1826.7 | 0.0 | 0.0 | 206.0 | -3.8 |
| 2ND | 17.50 | 176.0 | 0.0 | 3801 | 0 | 46.3 | 0.0 | 0 | 7 | 1691.9 | 0.0 | 0.0 | 173.2 | -2.8 |
| 3RD | 40.00 | 281.4 | 0.0 | 6015 | 0 | 46.8 | 0.0 | 0 | 5 | 1515.9 | 0.0 | 0.0 | 139.1 | -1.3 |
| 4TH | 75.00 | 419.3 | 0.0 | 8808 | 0 | 47.6 | 0.0 | 0 | 2 | 1234.5 | 0.0 | 0.0 | 91.0 | .0 |
| 5TH | 125.00 | 425.8 | 0.0 | 9031 | 0 | 47.2 | 0.0 | 0 | -0 | 814.9 | 0.0 | 0.0 | 39.8 | 1.0 |
| 6TH | 173.00 | 282.6 | 0.0 | 6117 | 0 | 46.2 | 0.0 | 0 | -0 | 389.1 | 0.0 | 0.0 | 9.7 | .9 |
| 7TH | 208.75 | 106.5 | 0.0 | 2323 | 0 | 45.8 | 0.0 | 0 | -9 | 106.5 | 0.0 | 0.0 | 1.3 | .9 |
| TOP | 233.50 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C | | | | | | | | GUST FACTOR 1.30 | | | | |
|--------------------------------------|--------|--|-----|--------------|---|-----------------------------|-----|------------|----|------------------|-----|-----------------------|-------|------|
| WIND DIRECTION 315 | | CONFIGURATION C | | | | REFERENCE PRESSURE 21.0 PSF | | | | | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | 117.3 | 0.0 | 2921 | 0 | 40.2 | 0.0 | 0 | 8 | 1584.2 | 0.0 | 0.0 | 179.2 | -3.0 |
| 2ND | 17.50 | 191.8 | 0.0 | 3001 | 0 | 39.9 | 0.0 | 0 | 6 | 1466.7 | 0.0 | 0.0 | 152.5 | -2.0 |
| 3RD | 40.00 | 243.0 | 0.0 | 6015 | 0 | 40.4 | 0.0 | 0 | 6 | 1315.0 | 0.0 | 0.0 | 121.2 | -1.0 |
| 4TH | 75.00 | 360.3 | 0.0 | 8808 | 0 | 40.9 | 0.0 | 0 | 2 | 1071.9 | 0.0 | 0.0 | 79.5 | .3 |
| 5TH | 125.00 | 369.8 | 0.0 | 9031 | 0 | 40.9 | 0.0 | 0 | -0 | 711.6 | 0.0 | 0.0 | 34.9 | 1.1 |
| 6TH | 175.00 | 246.9 | 0.0 | 6117 | 0 | 40.4 | 0.0 | 0 | -0 | 341.8 | 0.0 | 0.0 | 8.5 | 1.0 |
| 7TH | 208.75 | 94.9 | 0.0 | 2325 | 0 | 40.8 | 0.0 | 0 | -9 | 94.9 | 0.0 | 0.0 | 1.2 | .9 |
| TDP | 233.50 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS 1 | | SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C | | | | | | | | | | GUST FACTOR 1.30 | | |
|--------------------------------------|--------|--|-----|--------------|---|----------------|-----|------------|----|--------------|-----|-----------------------------|------|------|
| WIND DIRECTION 330 | | CONFIGURATION C | | | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | 61.0 | 0.0 | 2921 | 0 | 20.9 | 0.0 | 0 | 7 | 804.7 | 0.0 | 0.0 | 90.8 | -2.4 |
| 2ND | 17.50 | 78.4 | 0.0 | 3801 | 0 | 20.6 | 0.0 | 0 | 8 | 743.7 | 0.0 | 0.0 | 77.2 | -1.9 |
| 3RD | 40.00 | 122.1 | 0.0 | 6015 | 0 | 20.3 | 0.0 | 0 | 6 | 665.3 | 0.0 | 0.0 | 61.4 | -1.3 |
| 4TH | 75.00 | 181.5 | 0.0 | 8808 | 0 | 20.6 | 0.0 | 0 | 5 | 543.2 | 0.0 | 0.0 | 40.2 | -.5 |
| 5TH | 125.00 | 189.8 | 0.0 | 9031 | 0 | 21.0 | 0.0 | 0 | -0 | 361.7 | 0.0 | 0.0 | 17.6 | .3 |
| 6TH | 175.00 | 125.0 | 0.0 | 6117 | 0 | 20.4 | 0.0 | 0 | 1 | 171.8 | 0.0 | 0.0 | 4.3 | .3 |
| 7TH | 208.75 | 46.9 | 0.0 | 2325 | 0 | 20.2 | 0.0 | 0 | -8 | 46.9 | 0.0 | 0.0 | .6 | .4 |
| TOP | 233.50 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C | | | | | | | | | | GUST FACTOR 1.30 | | |
|--------------------------------------|--------|--|-----|--------------|---|----------------|-----|------------|-----|--------------|-----|-----------------------------|-------|------|
| WIND DIRECTION 345 | | CONFIGURATION C | | | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | -18.2 | 0.0 | 2921 | 0 | -6.2 | 0.0 | 0 | 7 | -248.9 | 0.0 | 0.0 | -28.3 | -1.6 |
| 2ND | 17.50 | -24.6 | 0.0 | 3001 | 0 | -6.5 | 0.0 | 0 | 5 | -230.6 | 0.0 | 0.0 | -24.1 | -1.7 |
| 3RD | 40.00 | -38.0 | 0.0 | 6013 | 0 | -6.3 | 0.0 | 0 | 0 | -206.0 | 0.0 | 0.0 | -19.2 | -1.9 |
| 4TH | 75.00 | -54.7 | 0.0 | 8808 | 0 | -6.2 | 0.0 | 0 | -6 | -168.1 | 0.0 | 0.0 | -12.7 | -1.9 |
| 5TH | 125.00 | -57.0 | 0.0 | 9031 | 0 | -6.3 | 0.0 | 0 | -3 | -113.4 | 0.0 | 0.0 | -5.6 | -1.6 |
| 6TH | 175.00 | -41.4 | 0.0 | 6117 | 0 | -6.8 | 0.0 | 0 | -5 | -56.4 | 0.0 | 0.0 | -1.4 | -1.4 |
| 7TH | 208.75 | -15.0 | 0.0 | 2325 | 0 | -6.5 | 0.0 | 0 | -13 | -15.0 | 0.0 | 0.0 | -1.2 | -1.2 |
| TOP | 233.50 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

TABLE 7. SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C
 PROJECT 6082 CONFIGURATION C
 SCALE = 100 REF. PRESSURE = 21.0
 GUST FACTOR = 1.30 STANDARD FLOOR HEIGHT = 50.00
 NUMBER OF SIDES = 2 NO. OF FLOORS = 7

| SIDE | ANGLE | Z-AXIS |
|------|-------|--------|
| 1 | 0.0 | 10.875 |
| 2 | 180.0 | 10.875 |

| FLOOR # | LABEL | HEIGHT-FT |
|---------|-------|-----------|
| 1 | 1ST | 17.50 |
| 2 | 2ND | 22.50 |
| 3 | 3RD | 35.00 |
| 4 | 4TH | 50.00 |
| 5 | 5TH | 50.00 |
| 6 | 6TH | 33.75 |
| 7 | 7TH | 24.75 |

TABLE 7. BASE SHEAR AND MOMENT SUMMARY : ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D
 CONFIGURATION D REFERENCE PRESSURE 21.0 GUST FACTOR 1.30

| AZIMUTH | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | | ECCEN (FT) | |
|---------|--------------|-----|-----------------------|------|------|------------|-----|
| | X | Y | X | Y | Z | X | Y |
| 0 | 851.5 | 0.0 | 0.0 | 80.7 | 6.1 | 0 | -7 |
| 15 | 816.7 | 0.0 | 0.0 | 74.7 | 4.4 | 0 | -5 |
| 30 | 811.1 | 0.0 | 0.0 | 72.3 | 1.5 | 0 | -2 |
| 45 | 758.7 | 0.0 | 0.0 | 68.9 | 0.0 | 0 | 1 |
| 60 | 654.9 | 0.0 | 0.0 | 61.6 | -4.4 | 0 | 7 |
| 75 | 437.1 | 0.0 | 0.0 | 39.6 | -6.6 | 0 | 15 |
| 90 | 282.7 | 0.0 | 0.0 | 23.6 | -6.6 | 0 | 13 |
| 105 | 437.2 | 0.0 | 0.0 | 33.4 | -6.6 | 0 | 15 |
| 120 | 644.6 | 0.0 | 0.0 | 47.1 | -6.6 | 0 | 17 |
| 135 | 761.4 | 0.0 | 0.0 | 58.1 | -7.7 | 0 | 11 |
| 150 | 822.2 | 0.0 | 0.0 | 64.2 | -1.5 | 0 | -2 |
| 165 | 821.1 | 0.0 | 0.0 | 62.1 | 4.2 | 0 | -5 |
| 180 | 858.5 | 0.0 | 0.0 | 62.1 | 6.1 | 0 | -7 |
| 195 | 790.7 | 0.0 | 0.0 | 55.3 | 6.6 | 0 | -8 |
| 210 | 662.2 | 0.0 | 0.0 | 49.9 | 6.6 | 0 | -11 |
| 225 | 548.5 | 0.0 | 0.0 | 43.9 | 6.6 | 0 | -13 |
| 240 | 434.8 | 0.0 | 0.0 | 39.0 | 6.6 | 0 | -14 |
| 255 | 462.4 | 0.0 | 0.0 | 42.2 | 6.6 | 0 | -15 |
| 270 | 676.1 | 0.0 | 0.0 | 55.6 | 6.6 | 0 | -15 |
| 285 | 469.0 | 0.0 | 0.0 | 35.6 | 6.6 | 0 | -14 |
| 300 | 436.0 | 0.0 | 0.0 | 33.8 | 6.6 | 0 | -13 |
| 315 | 547.1 | 0.0 | 0.0 | 47.6 | 6.6 | 0 | -11 |
| 330 | 651.9 | 0.0 | 0.0 | 60.5 | 6.6 | 0 | -8 |
| 345 | 783.1 | 0.0 | 0.0 | 76.1 | 6.6 | 0 | -5 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | | | | | | | |
|---|--------|-----------------|-----|--------------|---|----------------|-----|------------|-----|-----------------------------|-----|-----------------------|------------------|-----|
| WIND DIRECTION 0 | | CONFIGURATION D | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | GUST FACTOR 1.30 | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | | | | | | | | | 851.5 | 0.0 | 0.0 | 80.7 | 6.1 |
| 2ND | 5.23 | 19.7 | 0.0 | 952 | 0 | 20.7 | 0.0 | 0 | 6 | 831.8 | 0.0 | 0.0 | 76.2 | 6.3 |
| 3RD | 20.83 | 61.9 | 0.0 | 2814 | 0 | 22.0 | 0.0 | 0 | 5 | 769.9 | 0.0 | 0.0 | 63.8 | 6.5 |
| 4TH | 45.83 | 94.1 | 0.0 | 3981 | 0 | 23.6 | 0.0 | 0 | -7 | 675.8 | 0.0 | 0.0 | 45.7 | 5.9 |
| 5TH | 79.92 | 104.6 | 0.0 | 3994 | 0 | 26.2 | 0.0 | 0 | -9 | 571.2 | 0.0 | 0.0 | 30.1 | 5.0 |
| 6TH | 96.08 | 126.5 | 0.0 | 4008 | 0 | 31.6 | 0.0 | 0 | -9 | 444.6 | 0.0 | 0.0 | 17.3 | 3.9 |
| 7TH | 121.17 | 131.3 | 0.0 | 3994 | 0 | 32.9 | 0.0 | 0 | -12 | 313.3 | 0.0 | 0.0 | 7.8 | 2.3 |
| 8TH | 146.17 | 144.9 | 0.0 | 3981 | 0 | 36.4 | 0.0 | 0 | -14 | 168.4 | 0.0 | 0.0 | 1.7 | .3 |
| 9TH | 161.75 | 126.4 | 0.0 | 2814 | 0 | 44.9 | 0.0 | 0 | -1 | 42.0 | 0.0 | 0.0 | .1 | .2 |
| TOP | 167.00 | 42.0 | 0.0 | 952 | 0 | 44.1 | 0.0 | 0 | -4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | | | | | | | | | | | | | |
|--------------------------------------|--------|--|-----|-----------------------------|---|----------------|-----|------------|-----|------------------|-----|-----------------------|------|-----|
| WIND DIRECTION 13 | | ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | GUST FACTOR 1.30 | | | | |
| | | CONFIGURATION B | | REFERENCE PRESSURE 21.0 PSF | | | | | | | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | 21.4 | 0.0 | 952 | 0 | 22.5 | 0.0 | 0 | 4 | 816.7 | 0.0 | 0.0 | 74.7 | 4.3 |
| 2ND | 5.25 | 65.1 | 0.0 | 2814 | 0 | 23.1 | 0.0 | 0 | 3 | 795.3 | 0.0 | 0.0 | 70.5 | 4.3 |
| 3RD | 20.83 | 102.2 | 0.0 | 3981 | 0 | 25.7 | 0.0 | 0 | -7 | 730.2 | 0.0 | 0.0 | 58.6 | 4.6 |
| 4TH | 45.83 | 107.0 | 0.0 | 3994 | 0 | 26.8 | 0.0 | 0 | -7 | 628.0 | 0.0 | 0.0 | 41.6 | 3.8 |
| 5TH | 70.92 | 123.2 | 0.0 | 4008 | 0 | 30.7 | 0.0 | 0 | -7 | 521.0 | 0.0 | 0.0 | 27.2 | 3.1 |
| 6TH | 96.08 | 115.4 | 0.0 | 3994 | 0 | 28.9 | 0.0 | 0 | -9 | 397.8 | 0.0 | 0.0 | 15.7 | 2.2 |
| 7TH | 121.17 | 126.8 | 0.0 | 3981 | 0 | 31.9 | 0.0 | 0 | -11 | 282.4 | 0.0 | 0.0 | 7.1 | 1.1 |
| 8TH | 146.17 | 114.1 | 0.0 | 2814 | 0 | 40.6 | 0.0 | 0 | 1 | 155.6 | 0.0 | 0.0 | 1.6 | -3 |
| 9TH | 161.75 | 41.5 | 0.0 | 952 | 0 | 43.6 | 0.0 | 0 | 3 | 41.5 | 0.0 | 0.0 | .1 | -1 |
| TOP | 167.00 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | GUST FACTOR 1.30 | | | | |
|--------------------------------------|--------|--|-----|--------------|---|-----------------------------|-----|------------|----|------------------|-----|-----------------------|------|-----|
| WIND DIRECTION 30 | | CONFIGURATION D | | | | REFERENCE PRESSURE 21.0 PSF | | | | | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | 24.1 | 0.0 | 952 | 0 | 25.3 | 0.0 | 0 | 7 | 811.1 | 0.0 | 0.0 | 72.3 | 1.5 |
| 2ND | 5.25 | 72.3 | 0.0 | 2814 | 0 | 25.7 | 0.0 | 0 | 7 | 787.0 | 0.0 | 0.0 | 68.1 | 1.6 |
| 3RD | 20.03 | 104.3 | 0.0 | 3981 | 0 | 26.2 | 0.0 | 0 | -5 | 714.7 | 0.0 | 0.0 | 56.4 | 2.1 |
| 4TH | 45.83 | 110.8 | 0.0 | 3994 | 0 | 27.7 | 0.0 | 0 | -5 | 610.9 | 0.0 | 0.0 | 39.8 | 1.6 |
| 5TH | 70.92 | 121.9 | 0.0 | 4008 | 0 | 30.4 | 0.0 | 0 | -5 | 499.7 | 0.0 | 0.0 | 25.9 | 1.1 |
| 6TH | 96.08 | 110.8 | 0.0 | 3994 | 0 | 27.7 | 0.0 | 0 | -3 | 377.7 | 0.0 | 0.0 | 14.8 | .5 |
| 7TH | 121.17 | 120.0 | 0.0 | 3981 | 0 | 30.1 | 0.0 | 0 | -7 | 267.0 | 0.0 | 0.0 | 6.8 | .1 |
| 8TH | 146.17 | 105.7 | 0.0 | 2814 | 0 | 37.6 | 0.0 | 0 | 4 | 147.0 | 0.0 | 0.0 | 1.6 | -.7 |
| 9TH | 161.75 | 41.3 | 0.0 | 952 | 0 | 43.4 | 0.0 | 0 | 7 | 41.3 | 0.0 | 0.0 | .1 | -.3 |
| TOP | 167.00 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | | | | | | | | |
|---|--------|-----------------|-----|--------------|---|----------------|-----|------------|----|-----------------------------|-----|-----------------------|------------------|------|--|
| WIND DIRECTION 45 | | CONFIGURATION D | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | GUST FACTOR 1.30 | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z | |
| 1ST | 0.00 | | | | | | | | | 738.7 | 0.0 | 0.0 | 68.9 | -0.8 | |
| 2ND | 5.25 | 23.3 | 0.0 | 952 | 0 | 24.5 | 0.0 | 0 | 7 | 735.4 | 0.0 | 0.0 | 63.0 | -0.6 | |
| 3RD | 20.83 | 68.6 | 0.0 | 2814 | 0 | 24.2 | 0.0 | 0 | 9 | 667.4 | 0.0 | 0.0 | 54.0 | 0.0 | |
| 4TH | 45.83 | 92.3 | 0.0 | 3981 | 0 | 23.2 | 0.0 | 0 | -1 | 575.0 | 0.0 | 0.0 | 38.5 | -0.1 | |
| 5TH | 70.92 | 95.9 | 0.0 | 3994 | 0 | 24.0 | 0.0 | 0 | -2 | 479.1 | 0.0 | 0.0 | 25.3 | -0.3 | |
| 6TH | 96.08 | 109.2 | 0.0 | 4008 | 0 | 27.2 | 0.0 | 0 | -4 | 369.9 | 0.0 | 0.0 | 14.6 | -0.7 | |
| 7TH | 121.17 | 107.0 | 0.0 | 3994 | 0 | 26.8 | 0.0 | 0 | -0 | 262.9 | 0.0 | 0.0 | 6.7 | -0.7 | |
| 8TH | 146.17 | 117.5 | 0.0 | 3981 | 0 | 29.5 | 0.0 | 0 | -3 | 145.4 | 0.0 | 0.0 | 1.6 | -1.0 | |
| 9TH | 161.75 | 104.9 | 0.0 | 2814 | 0 | 37.3 | 0.0 | 0 | 6 | 40.5 | 0.0 | 0.0 | .1 | -0.4 | |
| TOP | 167.00 | 40.5 | 0.0 | 952 | 0 | 42.5 | 0.0 | 0 | 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS 1 | | ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | GUST FACTOR 1.30 | | | | |
|--------------------------------------|--------|--|-----|--------------|---|----------------|-----|------------|----|-----------------------------|-----|-----------------------|------|------|
| WIND DIRECTION 60 | | CONFIGURATION D | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | | | | | | | | | 654.9 | 0.0 | 0.0 | 61.6 | -4.5 |
| 2ND | 5.25 | 19.7 | 0.0 | 952 | 0 | 20.7 | 0.0 | 0 | 13 | 635.2 | 0.0 | 0.0 | 58.2 | -4.2 |
| 3RD | 20.83 | 56.5 | 0.0 | 2814 | 0 | 20.1 | 0.0 | 0 | 18 | 578.7 | 0.0 | 0.0 | 48.8 | -3.2 |
| 4TH | 45.83 | 74.0 | 0.0 | 3981 | 0 | 17.6 | 0.0 | 0 | 7 | 508.7 | 0.0 | 0.0 | 33.2 | -2.7 |
| 5TH | 70.92 | 74.6 | 0.0 | 3994 | 0 | 18.7 | 0.0 | 0 | 5 | 434.2 | 0.0 | 0.0 | 23.3 | -2.4 |
| 6TH | 96.08 | 93.3 | 0.0 | 4008 | 0 | 23.3 | 0.0 | 0 | 1 | 340.8 | 0.0 | 0.0 | 13.6 | -2.3 |
| 7TH | 121.17 | 93.4 | 0.0 | 3994 | 0 | 23.4 | 0.0 | 0 | 5 | 247.4 | 0.0 | 0.0 | 6.2 | -1.9 |
| 8TH | 146.17 | 112.3 | 0.0 | 3981 | 0 | 28.2 | 0.0 | 0 | 3 | 135.1 | 0.0 | 0.0 | 1.4 | -1.5 |
| 9TH | 161.75 | 98.5 | 0.0 | 2814 | 0 | 35.0 | 0.0 | 0 | 11 | 36.6 | 0.0 | 0.0 | .1 | -1.5 |
| TOP | 167.00 | 36.6 | 0.0 | 952 | 0 | 38.5 | 0.0 | 0 | 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | | | | | | | |
|---|--------|-----------------|-----|--------------|---|----------------|-----|------------|----|--------------|-----|-----------------------|------|------|
| WIND DIRECTION 75 | | CONFIGURATION D | | | | | | | | | | GUST FACTOR 1.30 | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | 17.7 | 0.0 | 952 | 0 | 18.6 | 0.0 | 0 | 21 | 437.1 | 0.0 | 0.0 | 39.6 | -6.5 |
| 2ND | 5.25 | 45.4 | 0.0 | 2814 | 0 | 16.1 | 0.0 | 0 | 29 | 419.4 | 0.0 | 0.0 | 37.4 | -6.1 |
| 3RD | 20.83 | 45.4 | 0.0 | 3981 | 0 | 11.4 | 0.0 | 0 | 23 | 374.0 | 0.0 | 0.0 | 31.2 | -4.8 |
| 4TH | 45.83 | 51.7 | 0.0 | 3994 | 0 | 12.9 | 0.0 | 0 | 13 | 328.7 | 0.0 | 0.0 | 22.4 | -3.8 |
| 5TH | 70.92 | 59.1 | 0.0 | 4008 | 0 | 14.7 | 0.0 | 0 | 8 | 277.0 | 0.0 | 0.0 | 14.8 | -3.1 |
| 6TH | 96.08 | 61.4 | 0.0 | 3994 | 0 | 15.4 | 0.0 | 0 | 9 | 217.9 | 0.0 | 0.0 | 8.6 | -2.6 |
| 7TH | 121.17 | 72.0 | 0.0 | 3981 | 0 | 18.1 | 0.0 | 0 | 9 | 156.5 | 0.0 | 0.0 | 3.9 | -2.1 |
| 8TH | 146.17 | 61.7 | 0.0 | 2814 | 0 | 21.9 | 0.0 | 0 | 17 | 84.4 | 0.0 | 0.0 | .9 | -1.4 |
| 9TH | 161.75 | 22.7 | 0.0 | 952 | 0 | 23.9 | 0.0 | 0 | 16 | 22.7 | 0.0 | 0.0 | .1 | -.4 |
| TOP | 167.00 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | | | GUST FACTOR 1.30 | | |
|--------------------------------------|--------|--|-----|--------------|---|----------------|-----|------------|----|--------------|-----|-----------------------------|------|------|
| WIND DIRECTION 90 | | CONFIGURATION D | | | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | 11.5 | 0.0 | 952 | 0 | 12.1 | 0.0 | 0 | 28 | 282.7 | 0.0 | 0.0 | 23.6 | -3.6 |
| 2ND | 5.25 | 31.1 | 0.0 | 2814 | 0 | 11.0 | 0.0 | 0 | 29 | 271.2 | 0.0 | 0.0 | 22.1 | -3.3 |
| 3RD | 20.83 | 37.7 | 0.0 | 3981 | 0 | 9.5 | 0.0 | 0 | 9 | 240.1 | 0.0 | 0.0 | 18.2 | -2.4 |
| 4TH | 45.83 | 40.1 | 0.0 | 3994 | 0 | 10.0 | 0.0 | 0 | 6 | 202.3 | 0.0 | 0.0 | 12.6 | -2.0 |
| 5TH | 70.92 | 41.9 | 0.0 | 4008 | 0 | 10.4 | 0.0 | 0 | -0 | 162.3 | 0.0 | 0.0 | 8.1 | -1.8 |
| 6TH | 96.08 | 40.1 | 0.0 | 3994 | 0 | 10.0 | 0.0 | 0 | 6 | 120.4 | 0.0 | 0.0 | 4.5 | -1.8 |
| 7TH | 121.17 | 37.7 | 0.0 | 3981 | 0 | 9.5 | 0.0 | 0 | 9 | 80.3 | 0.0 | 0.0 | 2.0 | -1.6 |
| 8TH | 146.17 | 31.1 | 0.0 | 2814 | 0 | 11.0 | 0.0 | 0 | 29 | 42.6 | 0.0 | 0.0 | .5 | -1.2 |
| 9TH | 161.75 | 11.5 | 0.0 | 952 | 0 | 12.1 | 0.0 | 0 | 28 | 11.5 | 0.0 | 0.0 | .0 | -.3 |
| TOP | 167.00 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

TABLE 7. SHEAR AND MOMENT DIAGRAMS 1
WIND DIRECTION 103

ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D
REFERENCE PRESSURE 21.0 PSF

GUST FACTOR 1.30

| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
|-------|--------|--------------|-----|--------------|---|----------------|-----|------------|----|--------------|-----|-----------------------|------|------|
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | 22.7 | 0.0 | 952 | 0 | 23.9 | 0.0 | 0 | 16 | 437.2 | 0.0 | 0.0 | 33.4 | -6.5 |
| 2ND | 5.25 | 61.7 | 0.0 | 2814 | 0 | 21.9 | 0.0 | 0 | 17 | 414.4 | 0.0 | 0.0 | 31.1 | -6.1 |
| 3RD | 20.83 | 72.0 | 0.0 | 3981 | 0 | 18.1 | 0.0 | 0 | 9 | 352.7 | 0.0 | 0.0 | 25.1 | -5.1 |
| 4TH | 45.83 | 61.4 | 0.0 | 3994 | 0 | 15.4 | 0.0 | 0 | 9 | 280.7 | 0.0 | 0.0 | 17.2 | -4.4 |
| 5TH | 70.92 | 59.1 | 0.0 | 4008 | 0 | 14.8 | 0.0 | 0 | 8 | 219.3 | 0.0 | 0.0 | 11.0 | -3.9 |
| 6TH | 96.08 | 51.7 | 0.0 | 3994 | 0 | 12.9 | 0.0 | 0 | 13 | 160.1 | 0.0 | 0.0 | 6.2 | -3.4 |
| 7TH | 121.17 | 43.4 | 0.0 | 3981 | 0 | 11.4 | 0.0 | 0 | 23 | 108.4 | 0.0 | 0.0 | 2.8 | -2.7 |
| 8TH | 146.17 | 40.4 | 0.0 | 2814 | 0 | 16.1 | 0.0 | 0 | 29 | 63.0 | 0.0 | 0.0 | .7 | -1.7 |
| 9TH | 161.75 | 17.7 | 0.0 | 952 | 0 | 18.6 | 0.0 | 0 | 21 | 17.7 | 0.0 | 0.0 | .0 | -1.4 |
| TOP | 167.00 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | | | | | | | | | | | | | |
|--------------------------------------|--------|--|-----|--------------|---|-----------------------------|-----|------------|----|------------------|-----|-----------------------|------|------|
| WIND DIRECTION 120 | | ROOF, SKYDOME ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | GUST FACTOR 1.30 | | | | |
| | | CONFIGURATION D | | | | REFERENCE PRESSURE 21.0 PSF | | | | | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | 36.6 | 0.0 | 952 | 0 | 38.5 | 0.0 | 0 | 13 | 646.6 | 0.0 | 0.0 | 47.1 | -4.6 |
| 2ND | 3.25 | 98.5 | 0.0 | 2814 | 0 | 35.0 | 0.0 | 0 | 11 | 609.9 | 0.0 | 0.0 | 43.8 | -4.1 |
| 3RD | 20.83 | 112.3 | 0.0 | 3981 | 0 | 28.2 | 0.0 | 0 | 3 | 511.4 | 0.0 | 0.0 | 35.0 | -3.1 |
| 4TH | 45.83 | 93.4 | 0.0 | 3994 | 0 | 23.4 | 0.0 | 0 | 5 | 399.1 | 0.0 | 0.0 | 23.6 | -2.7 |
| 5TH | 70.92 | 85.1 | 0.0 | 4008 | 0 | 21.2 | 0.0 | 0 | 2 | 305.8 | 0.0 | 0.0 | 14.8 | -2.3 |
| 6TH | 96.08 | 74.6 | 0.0 | 3994 | 0 | 18.7 | 0.0 | 0 | 5 | 220.7 | 0.0 | 0.0 | 8.2 | -2.1 |
| 7TH | 121.17 | 70.0 | 0.0 | 3981 | 0 | 17.6 | 0.0 | 0 | 7 | 146.1 | 0.0 | 0.0 | 3.6 | -1.8 |
| 8TH | 146.17 | 56.5 | 0.0 | 2814 | 0 | 20.1 | 0.0 | 0 | 18 | 76.2 | 0.0 | 0.0 | .8 | -1.3 |
| 9TH | 161.75 | 19.7 | 0.0 | 952 | 0 | 20.7 | 0.0 | 0 | 13 | 19.7 | 0.0 | 0.0 | .1 | -.3 |
| TOP | 167.00 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS I | | | | | | | | | | | | | | |
|--------------------------------------|--------|--|-----|-----------------------------|---|----------------|-----|------------|----|------------------|-----|-----------------------|------|-----|
| WIND DIRECTION 133 | | ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | GUST FACTOR 1.30 | | | | |
| | | CONFIGURATION D | | REFERENCE PRESSURE 21.0 PSF | | | | | | | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | | | | | | | | | 761.4 | 0.0 | 0.0 | 58.1 | -7 |
| 2ND | 5.25 | 40.5 | 0.0 | 952 | 0 | 42.5 | 0.0 | 0 | 10 | 721.0 | 0.0 | 0.0 | 54.2 | -3 |
| 3RD | 20.83 | 104.9 | 0.0 | 2814 | 0 | 37.3 | 0.0 | 0 | 6 | 616.0 | 0.0 | 0.0 | 43.7 | 3 |
| 4TH | 45.83 | 117.5 | 0.0 | 3981 | 0 | 29.5 | 0.0 | 0 | -3 | 498.5 | 0.0 | 0.0 | 29.8 | -0 |
| 5TH | 70.92 | 107.0 | 0.0 | 3994 | 0 | 26.8 | 0.0 | 0 | -0 | 391.5 | 0.0 | 0.0 | 18.6 | -1 |
| 6TH | 96.08 | 111.9 | 0.0 | 4008 | 0 | 27.9 | 0.0 | 0 | -4 | 279.6 | 0.0 | 0.0 | 10.2 | -5 |
| 7TH | 121.17 | 95.9 | 0.0 | 3994 | 0 | 24.0 | 0.0 | 0 | -2 | 183.7 | 0.0 | 0.0 | 4.4 | -7 |
| 8TH | 146.17 | 92.3 | 0.0 | 3981 | 0 | 23.2 | 0.0 | 0 | -1 | 91.4 | 0.0 | 0.0 | 1.0 | -8 |
| 9TH | 161.75 | 68.0 | 0.0 | 2814 | 0 | 24.2 | 0.0 | 0 | 9 | 23.4 | 0.0 | 0.0 | .1 | -2 |
| TOP | 167.00 | 23.4 | 0.0 | 952 | 0 | 24.5 | 0.0 | 0 | 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D
 WIND DIRECTION 150 CONFIGURATION D REFERENCE PRESSURE 21.0 PSF

| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | GUST FACTOR 1.30 MOMENT (1000-FT-KIPS) | | |
|-------|--------|--------------|-----|--------------|---|----------------|-----|------------|----|--------------|-----|---|------|-----|
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | | | | | | | | | 822.7 | 0.0 | 0.0 | 64.2 | 1.5 |
| 2ND | 5.25 | 41.3 | 0.0 | 952 | 0 | 43.4 | 0.0 | 0 | 7 | 781.4 | 0.0 | 0.0 | 59.9 | 1.8 |
| 3RD | 20.83 | 105.7 | 0.0 | 2814 | 0 | 37.6 | 0.0 | 0 | 4 | 675.7 | 0.0 | 0.0 | 48.6 | 2.2 |
| 4TH | 45.83 | 120.0 | 0.0 | 3981 | 0 | 30.1 | 0.0 | 0 | -7 | 555.7 | 0.0 | 0.0 | 33.2 | 1.4 |
| 5TH | 70.92 | 110.8 | 0.0 | 3994 | 0 | 27.7 | 0.0 | 0 | -3 | 444.9 | 0.0 | 0.0 | 20.7 | 1.0 |
| 6TH | 96.08 | 133.5 | 0.0 | 4008 | 0 | 33.3 | 0.0 | 0 | -5 | 311.4 | 0.0 | 0.0 | 11.1 | .4 |
| 7TH | 121.17 | 110.8 | 0.0 | 3994 | 0 | 27.7 | 0.0 | 0 | -5 | 200.6 | 0.0 | 0.0 | 4.7 | -2 |
| 8TH | 146.17 | 104.3 | 0.0 | 3981 | 0 | 26.2 | 0.0 | 0 | -5 | 96.4 | 0.0 | 0.0 | 1.0 | -7 |
| 9TH | 161.75 | 72.3 | 0.0 | 2814 | 0 | 25.7 | 0.0 | 0 | 7 | 24.1 | 0.0 | 0.0 | .1 | -2 |
| TOP | 167.00 | 24.1 | 0.0 | 952 | 0 | 25.3 | 0.0 | 0 | 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS 1 | | ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION 0 | | | | | | | | GUST FACTOR 1.30 | | | | |
|--------------------------------------|--------|--|-----|--------------|---|----------------|-----|------------|-----|-----------------------------|-----|-----------------------|------|-----|
| WIND DIRECTION 163 | | CONFIGURATION 0 | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | 41.5 | 0.0 | 952 | 0 | 43.6 | 0.0 | 0 | 3 | 821.5 | 0.0 | 0.0 | 62.1 | 4.2 |
| 2ND | 3.25 | 114.1 | 0.0 | 2814 | 0 | 40.6 | 0.0 | 0 | 1 | 780.0 | 0.0 | 0.0 | 57.9 | 4.3 |
| 3RD | 20.83 | 126.8 | 0.0 | 3981 | 0 | 31.9 | 0.0 | 0 | -11 | 665.9 | 0.0 | 0.0 | 46.6 | 4.5 |
| 4TH | 45.83 | 115.4 | 0.0 | 3994 | 0 | 28.9 | 0.0 | 0 | -9 | 539.1 | 0.0 | 0.0 | 31.5 | 3.1 |
| 5TH | 70.92 | 128.0 | 0.0 | 4008 | 0 | 31.9 | 0.0 | 0 | -7 | 423.7 | 0.0 | 0.0 | 19.5 | 2.0 |
| 6TH | 96.08 | 107.0 | 0.0 | 3994 | 0 | 26.8 | 0.0 | 0 | -7 | 295.7 | 0.0 | 0.0 | 10.4 | 1.2 |
| 7TH | 121.17 | 102.2 | 0.0 | 3981 | 0 | 25.7 | 0.0 | 0 | -7 | 188.7 | 0.0 | 0.0 | 4.3 | .4 |
| 8TH | 146.17 | 65.1 | 0.0 | 2814 | 0 | 23.1 | 0.0 | 0 | 3 | 86.5 | 0.0 | 0.0 | .9 | -.3 |
| 9TH | 161.75 | 21.4 | 0.0 | 952 | 0 | 22.5 | 0.0 | 0 | 4 | 21.4 | 0.0 | 0.0 | .1 | -.1 |
| TOP | 167.00 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | | | | | | | | | | | | | |
|--------------------------------------|--------|--|-----|--------------|---|----------------|-----|------------------|-----|--------------|-----|-----------------------|------|------|
| WIND DIRECTION 180 | | ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | GUST FACTOR 1.30 | | | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | | | | | | | | | 858.5 | 0.0 | 0.0 | 62.1 | 6.1 |
| 2ND | 5.25 | 42.0 | 0.0 | 952 | 0 | 44.1 | 0.0 | 0 | -4 | 816.6 | 0.0 | 0.0 | 57.7 | 5.9 |
| 3RD | 20.83 | 126.4 | 0.0 | 2814 | 0 | 44.9 | 0.0 | 0 | -1 | 690.2 | 0.0 | 0.0 | 46.0 | 5.8 |
| 4TH | 45.83 | 144.9 | 0.0 | 3981 | 0 | 36.4 | 0.0 | 0 | -14 | 545.2 | 0.0 | 0.0 | 30.5 | 3.8 |
| 5TH | 70.92 | 131.3 | 0.0 | 3994 | 0 | 32.9 | 0.0 | 0 | -12 | 413.9 | 0.0 | 0.0 | 18.5 | 2.2 |
| 6TH | 96.08 | 133.5 | 0.0 | 4008 | 0 | 33.3 | 0.0 | 0 | -8 | 280.4 | 0.0 | 0.0 | 9.8 | 1.1 |
| 7TH | 121.17 | 104.6 | 0.0 | 3994 | 0 | 26.2 | 0.0 | 0 | -9 | 175.7 | 0.0 | 0.0 | 4.1 | .2 |
| 8TH | 146.17 | 94.1 | 0.0 | 3981 | 0 | 23.6 | 0.0 | 0 | -7 | 81.6 | 0.0 | 0.0 | .8 | -1.4 |
| 9TH | 161.75 | 61.9 | 0.0 | 2814 | 0 | 22.0 | 0.0 | 0 | 5 | 19.7 | 0.0 | 0.0 | .1 | -1.1 |
| TOP | 167.00 | 19.7 | 0.0 | 952 | 0 | 20.7 | 0.0 | 0 | 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS 1 | | | | | | | | | | | | | | |
|--------------------------------------|--------|--|-----|--------------|---|----------------|-----|------------|-----|--------------|-----|-----------------------------|------|-----|
| WIND DIRECTION 195 | | ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | | | GUST FACTOR 1.30 | | |
| | | CONFIGURATION D | | | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | 37.0 | 0.0 | 952 | 0 | 38.9 | 0.0 | 0 | -10 | 790.7 | 0.0 | 0.0 | 55.3 | 6.0 |
| 2ND | 5.25 | 115.9 | 0.0 | 2014 | 0 | 41.2 | 0.0 | 0 | -3 | 753.7 | 0.0 | 0.0 | 51.3 | 5.7 |
| 3RD | 20.83 | 152.9 | 0.0 | 3981 | 0 | 38.4 | 0.0 | 0 | -11 | 637.8 | 0.0 | 0.0 | 40.4 | 5.3 |
| 4TH | 45.83 | 128.8 | 0.0 | 3994 | 0 | 32.2 | 0.0 | 0 | -10 | 484.9 | 0.0 | 0.0 | 26.4 | 3.6 |
| 5TH | 70.92 | 118.8 | 0.0 | 4008 | 0 | 29.6 | 0.0 | 0 | -9 | 356.1 | 0.0 | 0.0 | 15.8 | 2.3 |
| 6TH | 96.08 | 87.3 | 0.0 | 3994 | 0 | 21.8 | 0.0 | 0 | -10 | 237.3 | 0.0 | 0.0 | 8.4 | 1.2 |
| 7TH | 121.17 | 78.4 | 0.0 | 3981 | 0 | 19.7 | 0.0 | 0 | -8 | 150.1 | 0.0 | 0.0 | 3.5 | .3 |
| 8TH | 146.17 | 54.5 | 0.0 | 2014 | 0 | 19.4 | 0.0 | 0 | 5 | 71.7 | 0.0 | 0.0 | .7 | -4 |
| 9TH | 161.75 | 17.2 | 0.0 | 952 | 0 | 18.1 | 0.0 | 0 | 7 | 17.2 | 0.0 | 0.0 | .0 | -1 |
| TOP | 167.00 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

TABLE 7. SHEAR AND MOMENT DIAGRAMS : ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D
 WIND DIRECTION 210 CONFIGURATION 0 REFERENCE PRESSURE 21.0 PSF

| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | GUST FACTOR 1.30 MOMENT (1000-FT-KIPS) | | |
|-------|--------|--------------|-----|--------------|---|----------------|-----|------------|-----|--------------|-----|---|------|------|
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | | | | | | | | | 662.7 | 0.0 | 0.0 | 49.2 | 10.4 |
| 2ND | 5.25 | 30.0 | 0.0 | 952 | 0 | 31.5 | 0.0 | 0 | -22 | 632.7 | 0.0 | 0.0 | 45.8 | 9.8 |
| 3RD | 20.83 | 92.2 | 0.0 | 2814 | 0 | 32.8 | 0.0 | 0 | -14 | 540.4 | 0.0 | 0.0 | 36.7 | 8.5 |
| 4TH | 45.83 | 121.7 | 0.0 | 3981 | 0 | 30.6 | 0.0 | 0 | -16 | 418.7 | 0.0 | 0.0 | 24.7 | 6.6 |
| 5TH | 70.92 | 93.4 | 0.0 | 3994 | 0 | 23.9 | 0.0 | 0 | -21 | 323.3 | 0.0 | 0.0 | 15.4 | 4.6 |
| 6TH | 96.08 | 97.7 | 0.0 | 4008 | 0 | 24.4 | 0.0 | 0 | -19 | 225.7 | 0.0 | 0.0 | 8.5 | 2.7 |
| 7TH | 121.17 | 72.5 | 0.0 | 3994 | 0 | 18.2 | 0.0 | 0 | -22 | 153.1 | 0.0 | 0.0 | 3.7 | 1.2 |
| 8TH | 146.17 | 73.9 | 0.0 | 3981 | 0 | 18.6 | 0.0 | 0 | -18 | 79.2 | 0.0 | 0.0 | .8 | -.2 |
| 9TH | 161.75 | 58.9 | 0.0 | 2814 | 0 | 20.9 | 0.0 | 0 | 2 | 20.4 | 0.0 | 0.0 | .1 | -.1 |
| TOP | 167.00 | 20.4 | 0.0 | 952 | 0 | 21.4 | 0.0 | 0 | 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | | | | | | | |
|---|--------|-----------------|-----|--------------|---|----------------|-----|-----------|-----|--------------|-----|-----------------------|------|------|
| WIND DIRECTION 225 | | CONFIGURATION D | | | | | | | | | | GUST FACTOR 1.30 | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | 23.3 | 0.0 | 952 | 0 | 24.5 | 0.0 | 0 | -29 | 548.5 | 0.0 | 0.0 | 43.9 | 16.9 |
| 2ND | 5.25 | 73.0 | 0.0 | 2014 | 0 | 25.9 | 0.0 | 0 | -27 | 525.1 | 0.0 | 0.0 | 41.1 | 16.3 |
| 3RD | 20.83 | 93.2 | 0.0 | 3981 | 0 | 23.4 | 0.0 | 0 | -35 | 452.1 | 0.0 | 0.0 | 33.4 | 14.3 |
| 4TH | 45.83 | 64.1 | 0.0 | 3994 | 0 | 16.0 | 0.0 | 0 | -46 | 358.9 | 0.0 | 0.0 | 23.3 | 11.1 |
| 5TH | 70.92 | 78.5 | 0.0 | 4008 | 0 | 19.6 | 0.0 | 0 | -38 | 294.8 | 0.0 | 0.0 | 15.1 | 8.2 |
| 6TH | 96.08 | 58.5 | 0.0 | 3994 | 0 | 14.6 | 0.0 | 0 | -45 | 216.4 | 0.0 | 0.0 | 8.7 | 5.2 |
| 7TH | 121.17 | 71.6 | 0.0 | 3981 | 0 | 18.0 | 0.0 | 0 | -30 | 157.9 | 0.0 | 0.0 | 4.0 | 2.5 |
| 8TH | 146.17 | 62.6 | 0.0 | 2014 | 0 | 22.3 | 0.0 | 0 | -6 | 86.3 | 0.0 | 0.0 | .9 | .4 |
| 9TH | 161.75 | 23.7 | 0.0 | 952 | 0 | 24.9 | 0.0 | 0 | 0 | 23.7 | 0.0 | 0.0 | .1 | -.0 |
| TOP | 167.00 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | | | GUST FACTOR 1.30 | | |
|--------------------------------------|--------|--|-----|--------------|---|----------------|-----|------------|-----|--------------|-----|-----------------------------|------|------|
| WIND DIRECTION 240 | | CONFIGURATION B | | | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | 15.5 | 0.0 | 952 | 0 | 16.3 | 0.0 | 0 | -39 | 434.8 | 0.0 | 0.0 | 39.0 | 20.7 |
| 2ND | 5.25 | 45.0 | 0.0 | 2814 | 0 | 16.0 | 0.0 | 0 | -41 | 419.3 | 0.0 | 0.0 | 36.7 | 20.1 |
| 3RD | 20.83 | 61.1 | 0.0 | 3981 | 0 | 15.4 | 0.0 | 0 | -63 | 374.3 | 0.0 | 0.0 | 30.5 | 18.3 |
| 4TH | 43.83 | 37.9 | 0.0 | 3994 | 0 | 9.5 | 0.0 | 0 | -92 | 313.2 | 0.0 | 0.0 | 21.9 | 14.5 |
| 5TH | 70.92 | 64.4 | 0.0 | 4008 | 0 | 16.1 | 0.0 | 0 | -62 | 275.2 | 0.0 | 0.0 | 14.6 | 11.0 |
| 6TH | 96.08 | 56.5 | 0.0 | 3994 | 0 | 14.1 | 0.0 | 0 | -63 | 210.9 | 0.0 | 0.0 | 8.4 | 7.0 |
| 7TH | 121.17 | 71.3 | 0.0 | 3981 | 0 | 17.9 | 0.0 | 0 | -40 | 154.4 | 0.0 | 0.0 | 3.9 | 3.5 |
| 8TH | 146.17 | 60.5 | 0.0 | 2814 | 0 | 21.5 | 0.0 | 0 | -10 | 83.2 | 0.0 | 0.0 | .9 | .6 |
| 9TH | 161.75 | 22.6 | 0.0 | 952 | 0 | 23.8 | 0.0 | 0 | 0 | 22.6 | 0.0 | 0.0 | .1 | -.0 |
| TOP | 167.00 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | | | | | | | |
|---|--------|-----------------|-----|--------------|---|----------------|-----|------------|------|------------------|-----|-----------------------|------|------|
| WIND DIRECTION 255 | | CONFIGURATION D | | | | | | | | GUST FACTOR 1.30 | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECGEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | 19.5 | 0.0 | 952 | 0 | 20.5 | 0.0 | 0 | -36 | 462.4 | 0.0 | 0.0 | 42.2 | 23.0 |
| 2ND | 5.25 | 44.4 | 0.0 | 2814 | 0 | 15.8 | 0.0 | 0 | -55 | 442.9 | 0.0 | 0.0 | 39.8 | 22.4 |
| 3RD | 20.83 | 40.9 | 0.0 | 3981 | 0 | 10.3 | 0.0 | 0 | -123 | 398.5 | 0.0 | 0.0 | 33.2 | 19.9 |
| 4TH | 45.83 | 49.1 | 0.0 | 3994 | 0 | 12.3 | 0.0 | 0 | -100 | 357.6 | 0.0 | 0.0 | 23.8 | 14.9 |
| 5TH | 70.92 | 84.5 | 0.0 | 4008 | 0 | 21.1 | 0.0 | 0 | -53 | 308.4 | 0.0 | 0.0 | 15.4 | 10.0 |
| 6TH | 96.08 | 63.4 | 0.0 | 3994 | 0 | 15.9 | 0.0 | 0 | -51 | 224.0 | 0.0 | 0.0 | 8.7 | 5.5 |
| 7TH | 121.17 | 78.5 | 0.0 | 3981 | 0 | 19.7 | 0.0 | 0 | -26 | 160.6 | 0.0 | 0.0 | 3.9 | 2.3 |
| 8TH | 146.17 | 60.5 | 0.0 | 2814 | 0 | 21.5 | 0.0 | 0 | -4 | 82.1 | 0.0 | 0.0 | .9 | .2 |
| 9TH | 161.75 | 21.6 | 0.0 | 952 | 0 | 22.7 | 0.0 | 0 | 2 | 21.6 | 0.0 | 0.0 | .1 | -.0 |
| TDP | 167.00 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | | | | | | | |
|---|--------|-----------------|-----|--------------|---|----------------|-----|-----------------------------|-----|--------------|------------------|-----------------------|------|------|
| WIND DIRECTION 270 | | CONFIGURATION D | | | | | | REFERENCE PRESSURE 21.0 PSF | | | GUST FACTOR 1.30 | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | 25.0 | 0.0 | 952 | 0 | 26.3 | 0.0 | 0 | -8 | 676.1 | 0.0 | 0.0 | 56.5 | 10.2 |
| 2ND | 5.25 | 71.3 | 0.0 | 2814 | 0 | 25.3 | 0.0 | 0 | -10 | 651.1 | 0.0 | 0.0 | 53.0 | 10.0 |
| 3RD | 20.83 | 99.0 | 0.0 | 3981 | 0 | 24.9 | 0.0 | 0 | -17 | 579.8 | 0.0 | 0.0 | 43.4 | 9.3 |
| 4TH | 45.83 | 92.1 | 0.0 | 3994 | 0 | 23.1 | 0.0 | 0 | -19 | 480.7 | 0.0 | 0.0 | 30.1 | 7.5 |
| 5TH | 70.92 | 101.1 | 0.0 | 4008 | 0 | 25.2 | 0.0 | 0 | -15 | 388.6 | 0.0 | 0.0 | 19.2 | 5.8 |
| 6TH | 96.08 | 92.1 | 0.0 | 3994 | 0 | 23.1 | 0.0 | 0 | -19 | 287.5 | 0.0 | 0.0 | 10.7 | 4.3 |
| 7TH | 121.17 | 99.0 | 0.0 | 3981 | 0 | 24.9 | 0.0 | 0 | -17 | 195.4 | 0.0 | 0.0 | 4.7 | 2.6 |
| 8TH | 146.17 | 71.3 | 0.0 | 2814 | 0 | 25.3 | 0.0 | 0 | -10 | 96.3 | 0.0 | 0.0 | 1.0 | .9 |
| 9TH | 161.75 | 25.0 | 0.0 | 952 | 0 | 26.3 | 0.0 | 0 | -8 | 25.0 | 0.0 | 0.0 | .1 | .2 |
| TOP | 167.00 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS 1 | | | | | | | | | | | | | ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | GUST FACTOR 1.30 | | |
|--------------------------------------|--------|-----------------|-----|--------------|---|----------------|-----|-----------------------------|------|--------------|-----|-----------------------|--|------|--|------------------|--|--|
| WIND DIRECTION 285 | | CONFIGURATION D | | | | | | REFERENCE PRESSURE 21.0 PSF | | | | | | | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | | | | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | | | |
| 1ST | 0.00 | 21.6 | 0.0 | 952 | 0 | 22.7 | 0.0 | 0 | 2 | 469.0 | 0.0 | 0.0 | 35.6 | 22.5 | | | | |
| 2ND | 5.25 | 60.5 | 0.0 | 2814 | 0 | 21.5 | 0.0 | 0 | -4 | 447.4 | 0.0 | 0.0 | 33.2 | 22.5 | | | | |
| 3RD | 20.83 | 78.5 | 0.0 | 3981 | 0 | 19.7 | 0.0 | 0 | -26 | 386.9 | 0.0 | 0.0 | 26.7 | 22.2 | | | | |
| 4TH | 45.83 | 63.4 | 0.0 | 3994 | 0 | 15.9 | 0.0 | 0 | -51 | 308.4 | 0.0 | 0.0 | 18.0 | 20.2 | | | | |
| 5TH | 70.92 | 91.1 | 0.0 | 4008 | 0 | 22.7 | 0.0 | 0 | -43 | 245.0 | 0.0 | 0.0 | 11.1 | 16.9 | | | | |
| 6TH | 96.08 | 49.2 | 0.0 | 3994 | 0 | 12.3 | 0.0 | 0 | -100 | 154.0 | 0.0 | 0.0 | 6.1 | 13.1 | | | | |
| 7TH | 121.17 | 40.9 | 0.0 | 3981 | 0 | 10.3 | 0.0 | 0 | -123 | 104.8 | 0.0 | 0.0 | 2.8 | 9.2 | | | | |
| 8TH | 146.17 | 44.4 | 0.0 | 2814 | 0 | 15.8 | 0.0 | 0 | -55 | 63.9 | 0.0 | 0.0 | .7 | 3.1 | | | | |
| 9TH | 161.75 | 19.5 | 0.0 | 952 | 0 | 20.5 | 0.0 | 0 | -36 | 19.5 | 0.0 | 0.0 | .1 | .7 | | | | |
| TOP | 167.00 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | | | | | | | | | | | | | |
|--------------------------------------|--------|-----------------|-----|--------------|---|--|-----|------------|-----|------------------|-----|-----------------------|------|------|
| WIND DIRECTION 300 | | CONFIGURATION D | | | | ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | GUST FACTOR 1.30 | | | | |
| | | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| FLOOR | HEIGHT | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | 22.6 | 0.0 | 952 | 0 | 23.8 | 0.0 | 0 | 0 | 436.0 | 0.0 | 0.0 | 33.8 | 20.7 |
| 2ND | 5.25 | 68.5 | 0.0 | 2814 | 0 | 21.5 | 0.0 | 0 | -10 | 413.4 | 0.0 | 0.0 | 31.5 | 20.7 |
| 3RD | 20.83 | 71.3 | 0.0 | 3981 | 0 | 17.9 | 0.0 | 0 | -40 | 352.9 | 0.0 | 0.0 | 25.6 | 20.1 |
| 4TH | 45.83 | 56.5 | 0.0 | 3994 | 0 | 14.1 | 0.0 | 0 | -63 | 281.6 | 0.0 | 0.0 | 17.6 | 17.2 |
| 5TH | 70.92 | 65.5 | 0.0 | 4008 | 0 | 16.4 | 0.0 | 0 | -60 | 225.1 | 0.0 | 0.0 | 11.3 | 13.7 |
| 6TH | 96.00 | 37.9 | 0.0 | 3994 | 0 | 9.5 | 0.0 | 0 | -92 | 159.6 | 0.0 | 0.0 | 6.4 | 9.8 |
| 7TH | 121.17 | 61.1 | 0.0 | 3981 | 0 | 13.4 | 0.0 | 0 | -63 | 121.6 | 0.0 | 0.0 | 2.9 | 6.3 |
| 8TH | 146.17 | 45.0 | 0.0 | 2814 | 0 | 16.0 | 0.0 | 0 | -41 | 60.5 | 0.0 | 0.0 | .6 | 2.4 |
| 9TH | 161.75 | 15.5 | 0.0 | 952 | 0 | 16.3 | 0.0 | 0 | -39 | 15.5 | 0.0 | 0.0 | .0 | .6 |
| TOP | 167.00 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | | | | | | | | | | | | | |
|--------------------------------------|--------|--|-----|--------------|---|----------------|-----|------------|-----|--------------|-----|-----------------------------|------|------|
| WIND DIRECTION 315 | | ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | | | GUST FACTOR 1.30 | | |
| | | CONFIGURATION D | | | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | 23.7 | 0.0 | 952 | 0 | 24.9 | 0.0 | 0 | 0 | 547.1 | 0.0 | 0.0 | 47.6 | 16.9 |
| 2ND | 5.25 | 62.6 | 0.0 | 2814 | 0 | 22.3 | 0.0 | 0 | -6 | 523.5 | 0.0 | 0.0 | 44.8 | 16.9 |
| 3RD | 20.83 | 71.6 | 0.0 | 3981 | 0 | 18.0 | 0.0 | 0 | -30 | 460.8 | 0.0 | 0.0 | 37.1 | 16.5 |
| 4TH | 45.83 | 58.4 | 0.0 | 3994 | 0 | 14.6 | 0.0 | 0 | -45 | 389.2 | 0.0 | 0.0 | 26.5 | 14.4 |
| 5TH | 70.92 | 77.1 | 0.0 | 4008 | 0 | 19.2 | 0.0 | 0 | -39 | 330.8 | 0.0 | 0.0 | 17.5 | 11.8 |
| 6TH | 96.08 | 64.1 | 0.0 | 3994 | 0 | 16.0 | 0.0 | 0 | -46 | 253.6 | 0.0 | 0.0 | 10.1 | 8.8 |
| 7TH | 121.17 | 93.2 | 0.0 | 3981 | 0 | 23.4 | 0.0 | 0 | -35 | 189.5 | 0.0 | 0.0 | 4.6 | 5.8 |
| 8TH | 146.17 | 73.0 | 0.0 | 2814 | 0 | 25.9 | 0.0 | 0 | -27 | 96.3 | 0.0 | 0.0 | 1.0 | 2.6 |
| 9TH | 161.75 | 23.4 | 0.0 | 952 | 0 | 24.5 | 0.0 | 0 | -29 | 23.4 | 0.0 | 0.0 | .1 | .7 |
| TOP | 167.00 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | GUST FACTOR 1.30 | | | | | |
|--------------------------------------|--------|--|-----|--------------|---|----------------|-----|------------|-----|-----------------------------|-----|-----------------------|------|------|--|
| WIND DIRECTION 330 | | CONFIGURATION D | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z | |
| 1ST | 0.00 | | | | | | | | | 631.9 | 0.0 | 0.0 | 60.5 | 10.3 | |
| 2ND | 3.25 | 20.3 | 0.0 | 952 | 0 | 21.4 | 0.0 | 0 | 5 | 631.6 | 0.0 | 0.0 | 57.2 | 10.4 | |
| 3RD | 20.83 | 58.9 | 0.0 | 2814 | 0 | 20.9 | 0.0 | 0 | 2 | 572.7 | 0.0 | 0.0 | 47.8 | 10.5 | |
| 4TH | 45.83 | 73.9 | 0.0 | 3981 | 0 | 18.6 | 0.0 | 0 | -18 | 498.8 | 0.0 | 0.0 | 34.4 | 9.1 | |
| 5TH | 70.92 | 72.5 | 0.0 | 3794 | 0 | 18.2 | 0.0 | 0 | -22 | 426.3 | 0.0 | 0.0 | 22.8 | 7.5 | |
| 6TH | 96.08 | 87.0 | 0.0 | 4068 | 0 | 21.7 | 0.0 | 0 | -20 | 339.3 | 0.0 | 0.0 | 13.2 | 5.8 | |
| 7TH | 121.17 | 95.3 | 0.0 | 3994 | 0 | 23.9 | 0.0 | 0 | -21 | 244.0 | 0.0 | 0.0 | 5.8 | 3.8 | |
| 8TH | 146.17 | 121.7 | 0.0 | 3981 | 0 | 30.6 | 0.0 | 0 | -16 | 122.2 | 0.0 | 0.0 | 1.3 | 1.9 | |
| 9TH | 161.75 | 92.2 | 0.0 | 2814 | 0 | 32.8 | 0.0 | 0 | -14 | 30.0 | 0.0 | 0.0 | .1 | .7 | |
| TGP | 167.00 | 30.0 | 0.0 | 952 | 0 | 31.5 | 0.0 | 0 | -22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | GUST FACTOR 1.30 | | | | |
|--------------------------------------|--------|--|-----|--------------|---|-----------------------------|-----|------------|-----|------------------|-----|-----------------------|------|-----|
| WIND DIRECTION 345 | | CONFIGURATION D | | | | REFERENCE PRESSURE 21.0 PSF | | | | | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | | | 952 | 0 | 18.1 | 0.0 | 0 | 7 | 783.1 | 0.0 | 0.0 | 76.1 | 5.9 |
| 2ND | 5.25 | 17.2 | 0.0 | 2814 | 0 | 19.4 | 0.0 | 0 | 5 | 765.9 | 0.0 | 0.0 | 72.0 | 6.0 |
| 3RD | 20.83 | 54.5 | 0.0 | 3981 | 0 | 19.7 | 0.0 | 0 | -8 | 711.4 | 0.0 | 0.0 | 60.5 | 6.3 |
| 4TH | 45.83 | 78.4 | 0.0 | 3994 | 0 | 21.8 | 0.0 | 0 | -10 | 633.0 | 0.0 | 0.0 | 43.7 | 5.6 |
| 5TH | 70.92 | 87.2 | 0.0 | 4608 | 0 | 27.8 | 0.0 | 0 | -9 | 545.8 | 0.0 | 0.0 | 28.9 | 4.7 |
| 6TH | 96.08 | 111.3 | 0.0 | 3994 | 0 | 32.2 | 0.0 | 0 | -10 | 434.6 | 0.0 | 0.0 | 16.6 | 3.8 |
| 7TH | 121.17 | 128.8 | 0.0 | 3981 | 0 | 38.4 | 0.0 | 0 | -11 | 305.8 | 0.0 | 0.0 | 7.3 | 2.4 |
| 8TH | 146.17 | 152.9 | 0.0 | 2814 | 0 | 41.2 | 0.0 | 0 | -3 | 152.9 | 0.0 | 0.0 | 1.6 | .7 |
| 9TH | 161.75 | 115.9 | 0.0 | 952 | 0 | 38.9 | 0.0 | 0 | -10 | 37.0 | 0.0 | 0.0 | .1 | .4 |
| TOP | 167.00 | 37.0 | 0.0 | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

TABLE 7. ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D
 PROJECT 6082 CONFIGURATION D
 SCALE = 100 REF. PRESSURE = 21.0
 GUST FACTOR = 1.30 STANDARD FLOOR HEIGHT = 25.00
 NUMBER OF SIDES = 1 NO. OF FLOORS = 9

| SIDE | ANGLE | Z-AXIS |
|------|-------|--------|
| 1 | 0.0 | 10.875 |

| FLOOR # | LABEL | HEIGHT-FT |
|---------|-------|-----------|
| 1 | 1ST | 5.25 |
| 2 | 2ND | 14.58 |
| 3 | 3RD | 25.00 |
| 4 | 4TH | 25.08 |
| 5 | 5TH | 25.17 |
| 6 | 6TH | 25.68 |
| 7 | 7TH | 25.00 |
| 8 | 8TH | 14.58 |
| 9 | 9TH | 5.25 |

TABLE 7. BASE SHEAR AND MOMENT SUMMARY : SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D
 CONFIGURATION D REFERENCE PRESSURE 21.0 GUST FACTOR 1.30

| AZIMUTH | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | | ECCEN (FT) | |
|---------|--------------|-----|-----------------------|-------|-------|------------|-----|
| | X | Y | X | Y | Z | X | Y |
| 0 | 727.7 | 0.0 | 0.0 | 83.7 | .1 | 0 | -0 |
| 15 | 772.8 | 0.0 | 0.0 | 90.3 | -2.2 | 0 | 33 |
| 30 | 922.1 | 0.0 | 0.0 | 107.7 | -2.9 | 0 | 33 |
| 45 | 976.1 | 0.0 | 0.0 | 114.3 | -1.9 | 0 | 22 |
| 60 | 1044.8 | 0.0 | 0.0 | 122.4 | -2.7 | 0 | 33 |
| 75 | 912.8 | 0.0 | 0.0 | 106.2 | -6.0 | 0 | 7 |
| 90 | 477.5 | 0.0 | 0.0 | 56.5 | -10.7 | 0 | 22 |
| 105 | 290.7 | 0.0 | 0.0 | 34.4 | -3.1 | 0 | 11 |
| 120 | 197.4 | 0.0 | 0.0 | 26.2 | -2.0 | 0 | 10 |
| 135 | -101.2 | 0.0 | 0.0 | -6.9 | 6.8 | 0 | 67 |
| 150 | -440.4 | 0.0 | 0.0 | -46.0 | 13.2 | 0 | 30 |
| 165 | -640.0 | 0.0 | 0.0 | -68.5 | 14.0 | 0 | 22 |
| 180 | -705.8 | 0.0 | 0.0 | -76.6 | 11.7 | 0 | 17 |
| 195 | -720.3 | 0.0 | 0.0 | -78.6 | 5.9 | 0 | 8 |
| 210 | -708.6 | 0.0 | 0.0 | -77.0 | -2.3 | 0 | 33 |
| 225 | -522.3 | 0.0 | 0.0 | -56.5 | -8.1 | 0 | -15 |
| 240 | -111.4 | 0.0 | 0.0 | -10.3 | -2.2 | 0 | -20 |
| 255 | 482.3 | 0.0 | 0.0 | 56.0 | 13.6 | 0 | -28 |
| 270 | 1022.6 | 0.0 | 0.0 | 117.0 | 6.2 | 0 | 6 |
| 285 | 936.6 | 0.0 | 0.0 | 106.7 | -2.5 | 0 | 33 |
| 300 | 1005.0 | 0.0 | 0.0 | 113.5 | -3.3 | 0 | 33 |
| 315 | 1102.7 | 0.0 | 0.0 | 124.8 | -4.1 | 0 | 4 |
| 330 | 963.2 | 0.0 | 0.0 | 108.2 | -4.2 | 0 | 4 |
| 345 | 791.7 | 0.0 | 0.0 | 89.6 | -2.9 | 0 | 4 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | | | | | | | | | | | | | |
|--------------------------------------|--------|--|-----|--------------|---|----------------|-----|------------|----|--------------|-----|-----------------------------|------|-----|
| WIND DIRECTION | | SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | | | GUST FACTOR 1.30 | | |
| 0 | | CONFIGURATION D | | | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | 52.1 | 0.0 | 2921 | 0 | 17.8 | 0.0 | 0 | 3 | 727.7 | 0.0 | 0.0 | 83.7 | .1 |
| 2ND | 17.50 | 65.1 | 0.0 | 3801 | 0 | 17.1 | 0.0 | 0 | 1 | 675.6 | 0.0 | 0.0 | 71.4 | .3 |
| 3RD | 40.00 | 197.7 | 0.0 | 6915 | 0 | 17.9 | 0.0 | 0 | 0 | 610.4 | 0.0 | 0.0 | 56.9 | .4 |
| 4TH | 75.00 | 162.2 | 0.0 | 8808 | 0 | 19.0 | 0.0 | 0 | -1 | 502.8 | 0.0 | 0.0 | 37.5 | .4 |
| 5TH | 125.00 | 173.6 | 0.0 | 9031 | 0 | 19.2 | 0.0 | 0 | -0 | 335.6 | 0.0 | 0.0 | 16.5 | .3 |
| 6TH | 175.00 | 116.5 | 0.0 | 6117 | 0 | 19.0 | 0.0 | 0 | 1 | 162.0 | 0.0 | 0.0 | 4.1 | .2 |
| 7TH | 208.75 | 45.5 | 0.0 | 2325 | 0 | 19.6 | 0.0 | 0 | -8 | 45.5 | 0.0 | 0.0 | .6 | .4 |
| TOP | 233.50 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAM 1 SOUTH SIDE, SNUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | | | | | | | |
|--|--------|-----------------|-----|--------------|---|----------------|-----|------------|----|------------------|-----|-----------------------|------|------|
| WIND DIRECTION 13 | | CONFIGURATION D | | | | | | | | GUST FACTOR 1.30 | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | | | | | | | | | 772.8 | 0.0 | 0.0 | 90.3 | -2.2 |
| 2ND | 17.50 | 52.2 | 0.0 | 2921 | 0 | 17.9 | 0.0 | 0 | 0 | 720.5 | 0.0 | 0.0 | 77.2 | -1.8 |
| 3RD | 40.00 | 66.4 | 0.0 | 3801 | 0 | 17.5 | 0.0 | 0 | 0 | 654.1 | 0.0 | 0.0 | 61.8 | -1.3 |
| 4TH | 75.00 | 112.3 | 0.0 | 6015 | 0 | 18.7 | 0.0 | 0 | 6 | 541.8 | 0.0 | 0.0 | 40.8 | -1.6 |
| 5TH | 125.00 | 173.9 | 0.0 | 8808 | 0 | 19.7 | 0.0 | 0 | 4 | 367.8 | 0.0 | 0.0 | 18.1 | .0 |
| 6TH | 175.00 | 189.8 | 0.0 | 9031 | 0 | 21.0 | 0.0 | 0 | 1 | 178.1 | 0.0 | 0.0 | 4.5 | .3 |
| 7TH | 208.75 | 128.3 | 0.0 | 6117 | 0 | 21.0 | 0.0 | 0 | 1 | 49.8 | 0.0 | 0.0 | .6 | .4 |
| TOP | 233.50 | 49.8 | 0.0 | 2325 | 0 | 21.4 | 0.0 | 0 | -9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | | | | | | | |
|---|--------|-----------------|-----|--------------|---|----------------|-----|------------|----|------------------|-----|-----------------------|-------|------|
| WIND DIRECTION 30 | | CONFIGURATION D | | | | | | | | GUST FACTOR 1.30 | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | | | | | | | | | 922.1 | 0.0 | 0.0 | 107.7 | -2.9 |
| 2ND | 17.50 | 62.0 | 0.0 | 2921 | 0 | 21.2 | 0.0 | 0 | 9 | 860.1 | 0.0 | 0.0 | 92.1 | -2.3 |
| 3RD | 40.00 | 79.2 | 0.0 | 3801 | 0 | 20.8 | 0.0 | 0 | 8 | 781.0 | 0.0 | 0.0 | 73.7 | -1.7 |
| 4TH | 75.00 | 132.8 | 0.0 | 6015 | 0 | 22.1 | 0.0 | 0 | 6 | 648.1 | 0.0 | 0.0 | 48.7 | -1.9 |
| 5TH | 125.00 | 211.9 | 0.0 | 8808 | 0 | 24.1 | 0.0 | 0 | 3 | 436.2 | 0.0 | 0.0 | 21.6 | -1.3 |
| 6TH | 175.00 | 223.6 | 0.0 | 9031 | 0 | 24.8 | 0.0 | 0 | 1 | 212.7 | 0.0 | 0.0 | 5.3 | .0 |
| 7TH | 208.75 | 152.8 | 0.0 | 6117 | 0 | 25.0 | 0.0 | 0 | 2 | 59.9 | 0.0 | 0.0 | .7 | .4 |
| TOP | 233.50 | 59.9 | 0.0 | 2325 | 0 | 25.8 | 0.0 | 0 | -6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | | | | | | | | | | | | | |
|--------------------------------------|--------|--|-----|--------------|---|-----------------------------|-----|------------|----|------------------|-----|-----------------------|-------|------|
| WIND DIRECTION 45 | | SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | GUST FACTOR 1.30 | | | | |
| | | CONFIGURATION D | | | | REFERENCE PRESSURE 21.0 PSF | | | | | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | 63.6 | 0.0 | 2921 | 0 | 21.8 | 0.0 | 0 | 10 | 976.1 | 0.0 | 0.0 | 114.3 | -1.9 |
| 2ND | 17.50 | 82.3 | 0.0 | 3801 | 0 | 21.7 | 0.0 | 0 | 9 | 912.5 | 0.0 | 0.0 | 97.8 | -1.3 |
| 3RD | 40.00 | 140.6 | 0.0 | 6015 | 0 | 23.4 | 0.0 | 0 | 6 | 830.2 | 0.0 | 0.0 | 78.2 | -1.6 |
| 4TH | 75.00 | 226.0 | 0.0 | 8808 | 0 | 23.7 | 0.0 | 0 | 2 | 689.7 | 0.0 | 0.0 | 51.6 | .2 |
| 5TH | 125.00 | 239.9 | 0.0 | 9031 | 0 | 26.6 | 0.0 | 0 | -0 | 463.6 | 0.0 | 0.0 | 22.8 | .6 |
| 6TH | 175.00 | 162.0 | 0.0 | 6117 | 0 | 26.5 | 0.0 | 0 | -0 | 223.7 | 0.0 | 0.0 | 5.6 | .6 |
| 7TH | 208.75 | 61.6 | 0.0 | 2325 | 0 | 26.5 | 0.0 | 0 | -9 | 61.6 | 0.0 | 0.0 | .8 | .6 |
| TOP | 233.50 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | | | | | | | | | | | | | |
|--------------------------------------|--------|--|-----|--------------|---|-----------------------------|-----|------------|----|------------------|-----|-----------------------|-------|------|
| WIND DIRECTION 60 | | SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | GUST FACTOR 1.30 | | | | |
| | | CONFIGURATION D | | | | REFERENCE PRESSURE 21.0 PSF | | | | | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | | | | | | | | | 1044.8 | 0.0 | 0.0 | 122.4 | -2.7 |
| 2ND | 17.50 | 67.2 | 0.0 | 2921 | 0 | 23.0 | 0.0 | 0 | 11 | 977.5 | 0.0 | 0.0 | 104.7 | -1.9 |
| 3RD | 40.00 | 89.3 | 0.0 | 3001 | 0 | 23.5 | 0.0 | 0 | 10 | 888.3 | 0.0 | 0.0 | 83.7 | -1.0 |
| 4TH | 75.00 | 149.9 | 0.0 | 6015 | 0 | 24.9 | 0.0 | 0 | 7 | 738.4 | 0.0 | 0.0 | 55.3 | .0 |
| 5TH | 125.00 | 240.1 | 0.0 | 8808 | 0 | 27.3 | 0.0 | 0 | 3 | 498.3 | 0.0 | 0.0 | 24.3 | .6 |
| 6TH | 175.00 | 259.9 | 0.0 | 9031 | 0 | 28.8 | 0.0 | 0 | -0 | 238.4 | 0.0 | 0.0 | 5.9 | .5 |
| 7TH | 208.75 | 173.2 | 0.0 | 6117 | 0 | 28.3 | 0.0 | 0 | 0 | 65.2 | 0.0 | 0.0 | .8 | .6 |
| TDP | 233.50 | 65.2 | 0.0 | 2325 | 0 | 28.0 | 0.0 | 0 | -9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | | | | | | | |
|---|--------|-----------------------------|-----|--------------|---|----------------|-----|------------|----|------------------|-----|-----------------------|-------|------|
| WIND DIRECTION 75 | | REFERENCE PRESSURE 21.0 PSF | | | | | | | | GUST FACTOR 1.39 | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | | | | | | | | | 912.8 | 0.0 | 0.0 | 106.2 | -6.0 |
| 2ND | 17.50 | 62.4 | 0.0 | 2921 | 0 | 21.4 | 0.0 | 0 | 13 | 850.5 | 0.0 | 0.0 | 90.7 | -5.2 |
| 3RD | 40.00 | 82.9 | 0.0 | 3801 | 0 | 21.8 | 0.0 | 0 | 12 | 767.6 | 0.0 | 0.0 | 72.5 | -4.2 |
| 4TH | 75.00 | 134.8 | 0.0 | 6015 | 0 | 22.4 | 0.0 | 0 | 10 | 632.7 | 0.0 | 0.0 | 48.0 | -2.9 |
| 5TH | 125.00 | 201.7 | 0.0 | 8808 | 0 | 22.9 | 0.0 | 0 | 7 | 481.0 | 0.0 | 0.0 | 21.4 | -1.4 |
| 6TH | 175.00 | 217.5 | 0.0 | 9031 | 0 | 24.1 | 0.0 | 0 | 5 | 213.5 | 0.0 | 0.0 | 5.3 | -.3 |
| 7TH | 208.75 | 155.1 | 0.0 | 6117 | 0 | 25.4 | 0.0 | 0 | 4 | 58.4 | 0.0 | 0.0 | .7 | .3 |
| TOP | 233.50 | 58.4 | 0.0 | 2325 | 0 | 25.1 | 0.0 | 0 | -5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | | | | | | | | | | | | | |
|--------------------------------------|--------|--|-----|--------------|---|----------------|-----|------------|----|-----------------------------|-----|-----------------------|------|-------|
| WIND DIRECTION 90 | | SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | GUST FACTOR 1.30 | | | | |
| | | CONFIGURATION D | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | 27.5 | 0.0 | 2921 | 0 | 9.4 | 0.0 | 0 | 23 | 477.5 | 0.0 | 0.0 | 56.5 | -10.7 |
| 2ND | 17.50 | 39.0 | 0.0 | 3801 | 0 | 10.3 | 0.0 | 0 | 23 | 450.0 | 0.0 | 0.0 | 48.4 | -10.0 |
| 3RD | 40.00 | 60.7 | 0.0 | 6015 | 0 | 11.4 | 0.0 | 0 | 24 | 410.9 | 0.0 | 0.0 | 38.7 | -9.1 |
| 4TH | 75.00 | 113.5 | 0.0 | 8808 | 0 | 12.9 | 0.0 | 0 | 24 | 342.2 | 0.0 | 0.0 | 25.5 | -7.4 |
| 5TH | 125.00 | 119.5 | 0.0 | 9031 | 0 | 13.2 | 0.0 | 0 | 21 | 228.7 | 0.0 | 0.0 | 11.2 | -4.7 |
| 6TH | 175.00 | 77.3 | 0.0 | 6117 | 0 | 12.6 | 0.0 | 0 | 23 | 109.2 | 0.0 | 0.0 | 2.8 | -2.1 |
| 7TH | 208.75 | 31.9 | 0.0 | 2325 | 0 | 13.7 | 0.0 | 0 | 10 | 31.9 | 0.0 | 0.0 | .4 | -.3 |
| TOP | 233.50 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

TABLE 7. SHEAR AND MOMENT DIAGRAMS)
 WIND DIRECTION 105
 CONFIGURATION D

SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D
 REFERENCE PRESSURE 21.0 PSF

GUST FACTOR 1.30

| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
|-------|--------|--------------|-----|--------------|---|----------------|-----|------------|----|--------------|-----|-----------------------|------|------|
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | 19.1 | 0.0 | 2921 | 0 | 6.5 | 0.0 | 0 | 11 | 290.7 | 0.0 | 0.0 | 34.4 | -3.1 |
| 2ND | 17.50 | 26.8 | 0.0 | 3891 | 0 | 7.0 | 0.0 | 0 | 14 | 271.6 | 0.0 | 0.0 | 29.5 | -2.9 |
| 3RD | 40.00 | 42.7 | 0.0 | 6015 | 0 | 7.1 | 0.0 | 0 | 14 | 244.8 | 0.0 | 0.0 | 23.7 | -2.5 |
| 4TH | 75.00 | 62.6 | 0.0 | 8808 | 0 | 7.1 | 0.0 | 0 | 13 | 202.2 | 0.0 | 0.0 | 15.9 | -1.9 |
| 5TH | 125.00 | 66.5 | 0.0 | 9031 | 0 | 7.4 | 0.0 | 0 | 3 | 139.3 | 0.0 | 0.0 | 7.3 | -1.1 |
| 6TH | 175.00 | 46.9 | 0.0 | 6117 | 0 | 7.7 | 0.0 | 0 | 13 | 73.1 | 0.0 | 0.0 | 2.0 | -0.9 |
| 7TH | 208.75 | 26.2 | 0.0 | 2325 | 0 | 11.3 | 0.0 | 0 | 10 | 26.2 | 0.0 | 0.0 | .3 | -0.2 |
| TOP | 233.50 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | | | | | | | |
|---|--------|-----------------|-----|--------------|---|----------------|-----|------------|-----------------------------|--------------|-----|-----------------------|------------------|------|
| WIND DIRECTION 120 | | CONFIGURATION D | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | | GUST FACTOR 1.30 | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | 9.4 | 0.0 | 2921 | 0 | 3.2 | 0.0 | 0 | -4 | 197.4 | 0.0 | 0.0 | 26.2 | -2.0 |
| 2ND | 17.50 | 15.1 | 0.0 | 3901 | 0 | 4.0 | 0.0 | 0 | 3 | 188.0 | 0.0 | 0.0 | 22.8 | -2.0 |
| 3RD | 40.00 | 24.7 | 0.0 | 6015 | 0 | 4.1 | 0.0 | 0 | 6 | 172.8 | 0.0 | 0.0 | 18.8 | -2.0 |
| 4TH | 75.00 | 33.6 | 0.0 | 8808 | 0 | 3.8 | 0.0 | 0 | 11 | 148.2 | 0.0 | 0.0 | 13.2 | -1.8 |
| 5TH | 125.00 | 46.9 | 0.0 | 9031 | 0 | 3.2 | 0.0 | 0 | 5 | 114.6 | 0.0 | 0.0 | 6.6 | -1.5 |
| 6TH | 175.00 | 36.9 | 0.0 | 6117 | 0 | 6.0 | 0.0 | 0 | 23 | 67.7 | 0.0 | 0.0 | 2.0 | -1.2 |
| 7TH | 208.75 | 30.7 | 0.0 | 2325 | 0 | 13.2 | 0.0 | 0 | 13 | 30.7 | 0.0 | 0.0 | .4 | -.4 |
| TOP | 233.50 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | | | GUST FACTOR 1.30 | | |
|--------------------------------------|--------|--|-----|--------------|---|----------------|-----|------------|----|--------------|-----|-----------------------------|------|-----|
| WIND DIRECTION 135 | | CONFIGURATION D | | | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | | | | | | | | | -101.2 | 0.0 | 0.0 | -6.9 | 6.8 |
| 2ND | 17.50 | -13.3 | 0.0 | 2921 | 0 | -4.6 | 0.0 | 0 | 56 | -87.9 | 0.0 | 0.0 | -5.2 | 6.0 |
| 3RD | 40.00 | -14.3 | 0.0 | 3801 | 0 | -3.8 | 0.0 | 0 | 59 | -73.6 | 0.0 | 0.0 | -3.4 | 5.2 |
| 4TH | 75.00 | -20.8 | 0.0 | 6015 | 0 | -3.5 | 0.0 | 0 | 60 | -52.9 | 0.0 | 0.0 | -1.2 | 3.9 |
| 5TH | 125.00 | -34.6 | 0.0 | 8808 | 0 | -3.9 | 0.0 | 0 | 47 | -18.3 | 0.0 | 0.0 | .6 | 2.3 |
| 6TH | 175.00 | -29.4 | 0.0 | 9631 | 0 | -3.1 | 0.0 | 0 | 67 | 10.1 | 0.0 | 0.0 | .8 | .4 |
| 7TH | 208.75 | -11.2 | 0.0 | 6117 | 0 | -1.8 | 0.0 | 0 | 43 | 21.3 | 0.0 | 0.0 | .3 | -.1 |
| TOP | 233.50 | 21.3 | 0.0 | 2325 | 0 | 9.2 | 0.0 | 0 | 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | | | | | | | | | | | | | |
|---|--------|--------------|-----|--------------|---|----------------|-----|------------|-----|--------------|-----|-----------------------|-------|------|
| SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | | | | | | | |
| WIND DIRECTION 150 CONFIGURATION D REFERENCE PRESSURE 21.6 PSF GUST FACTOR 1.30 | | | | | | | | | | | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | -36.1 | 0.0 | 2921 | 0 | -12.4 | 0.0 | 0 | 33 | -440.4 | 0.0 | 0.0 | -46.0 | 13.2 |
| 2ND | 17.50 | -41.4 | 0.0 | 3801 | 0 | -10.9 | 0.0 | 0 | 36 | -404.4 | 0.0 | 0.0 | -38.6 | 12.0 |
| 3RD | 40.00 | -68.5 | 0.0 | 6015 | 0 | -11.4 | 0.0 | 0 | 32 | -362.9 | 0.0 | 0.0 | -29.9 | 10.5 |
| 4TH | 75.00 | -117.5 | 0.0 | 8808 | 0 | -13.3 | 0.0 | 0 | 28 | -294.4 | 0.0 | 0.0 | -18.4 | 8.3 |
| 5TH | 125.00 | -118.1 | 0.0 | 9031 | 0 | -13.1 | 0.0 | 0 | 29 | -176.9 | 0.0 | 0.0 | -6.6 | 5.0 |
| 6TH | 175.00 | -66.7 | 0.0 | 6117 | 0 | -10.9 | 0.0 | 0 | 22 | -58.7 | 0.0 | 0.0 | -.8 | 1.6 |
| 7TH | 208.75 | 8.0 | 0.0 | 2325 | 0 | 3.4 | 0.0 | 0 | -17 | 8.0 | 0.0 | 0.0 | .1 | .1 |
| TGP | 233.50 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS I | | SOUTH SIDE, SMUTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | | | GUST FACTOR 1.30 | | |
|--------------------------------------|--------|---|-----|--------------|---|----------------|-----|------------|-----|--------------|-----|-----------------------------|-------|------|
| MIND DIRECTION 165 | | CONFIGURATION D | | | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | | | | | | | | | | | 0.0 | -68.5 | 14.0 |
| 2ND | 17.50 | -31.1 | 0.0 | 2921 | 0 | -17.5 | 0.0 | 0 | 25 | -589.0 | 0.0 | 0.0 | -57.8 | 12.7 |
| 3RD | 40.00 | -60.6 | 0.0 | 3801 | 0 | -15.9 | 0.0 | 0 | 27 | -528.4 | 0.0 | 0.0 | -45.2 | 11.1 |
| 4TH | 75.00 | -98.3 | 0.0 | 6015 | 0 | -16.3 | 0.0 | 0 | 25 | -430.0 | 0.0 | 0.0 | -28.4 | 8.7 |
| 5TH | 125.00 | -162.5 | 0.0 | 8808 | 0 | -18.4 | 0.0 | 0 | 21 | -267.5 | 0.0 | 0.0 | -11.0 | 5.3 |
| 6TH | 175.00 | -166.0 | 0.0 | 9031 | 0 | -18.4 | 0.0 | 0 | 21 | -101.6 | 0.0 | 0.0 | -1.8 | 1.8 |
| 7TH | 208.75 | -100.2 | 0.0 | 6117 | 0 | -16.4 | 0.0 | 0 | 17 | -1.4 | 0.0 | 0.0 | -0 | .1 |
| TOP | 233.50 | -1.4 | 0.0 | 2325 | 0 | -1.4 | 0.0 | 0 | 107 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS 1 SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | | | | | | | |
|---|--------|-----------------|-----|--------------|---|----------------|-----|------------|----|-----------------------------|-----|-----------------------|------------------|------|
| WIND DIRECTION 180 | | CONFIGURATION D | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | GUST FACTOR 1.30 | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | | | | | | | | | -703.8 | 0.0 | 0.0 | -76.6 | 11.7 |
| 2ND | 17.50 | -54.4 | 0.0 | 2921 | 0 | -18.6 | 0.0 | 0 | 22 | -651.4 | 0.0 | 0.0 | -64.7 | 10.5 |
| 3RD | 40.00 | -64.3 | 0.0 | 3801 | 0 | -16.9 | 0.0 | 0 | 22 | -587.1 | 0.0 | 0.0 | -50.8 | 9.1 |
| 4TH | 75.00 | -106.2 | 0.0 | 6015 | 0 | -17.7 | 0.0 | 0 | 21 | -480.8 | 0.0 | 0.0 | -32.1 | 6.8 |
| 5TH | 125.00 | -178.9 | 0.0 | 8808 | 0 | -20.3 | 0.0 | 0 | 15 | -301.9 | 0.0 | 0.0 | -12.5 | 4.1 |
| 6TH | 175.00 | -185.5 | 0.0 | 9031 | 0 | -20.5 | 0.0 | 0 | 14 | -116.4 | 0.0 | 0.0 | -2.1 | 1.5 |
| 7TH | 208.75 | -112.1 | 0.0 | 6117 | 0 | -18.3 | 0.0 | 0 | 12 | -4.3 | 0.0 | 0.0 | -.1 | .1 |
| TOP | 233.50 | -4.3 | 0.0 | 2325 | 0 | -1.8 | 0.0 | 0 | 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAM 1 | | SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | CUST FACTOR 1.30 | | | | |
|-------------------------------------|--------|--|-----|--------------|---|----------------|-----|------------|-----|-----------------------------|-----|-----------------------|-------|-----|
| WIND DIRECTION 193 | | CONFIGURATION D | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | | | | | | | | | -720.3 | 0.0 | 0.0 | -78.6 | 5.9 |
| 2ND | 17.50 | -55.1 | 0.0 | 2921 | 0 | -18.9 | 0.0 | 0 | 15 | -665.2 | 0.0 | 0.0 | -66.5 | 5.1 |
| 3RD | 40.00 | -65.8 | 0.0 | 3804 | 0 | -17.3 | 0.0 | 0 | 18 | -599.4 | 0.0 | 0.0 | -52.3 | 3.9 |
| 4TH | 75.00 | -107.8 | 0.0 | 6015 | 0 | -17.9 | 0.0 | 0 | 13 | -491.6 | 0.0 | 0.0 | -33.2 | 2.6 |
| 5TH | 125.00 | -179.7 | 0.0 | 8808 | 0 | -20.4 | 0.0 | 0 | 7 | -311.9 | 0.0 | 0.0 | -13.1 | 1.3 |
| 6TH | 175.00 | -190.8 | 0.0 | 9031 | 0 | -21.1 | 0.0 | 0 | 5 | -121.1 | 0.0 | 0.0 | -2.3 | .3 |
| 7TH | 208.75 | -113.8 | 0.0 | 6117 | 0 | -18.6 | 0.0 | 0 | 3 | -7.3 | 0.0 | 0.0 | -.1 | -.1 |
| TOP | 233.50 | -7.3 | 0.0 | 2325 | 0 | -3.2 | 0.0 | 0 | -11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | | | | | | | | | | | | | |
|---|--------|--|-----|--------------|---|----------------|-----|------------|-----|------------------|-----|-----------------------|-------|------|
| WIND DIRECTION 210 | | SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | GUST FACTOR 1.30 | | | | |
| CONFIGURATION D REFERENCE PRESSURE 21.0 PSF | | | | | | | | | | | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | -54.3 | 0.0 | 2921 | 0 | -18.6 | 0.0 | 0 | 4 | -708.6 | 0.0 | 0.0 | -77.0 | -2.3 |
| 2ND | 17.50 | -68.4 | 0.0 | 3801 | 0 | -18.0 | 0.0 | 0 | 4 | -654.3 | 0.0 | 0.0 | -65.0 | -2.6 |
| 3RD | 40.00 | -110.0 | 0.0 | 6015 | 0 | -18.3 | 0.0 | 0 | 2 | -586.0 | 0.0 | 0.0 | -51.1 | -2.8 |
| 4TH | 75.00 | -174.6 | 0.0 | 8808 | 0 | -19.8 | 0.0 | 0 | -2 | -476.0 | 0.0 | 0.0 | -32.5 | -3.0 |
| 5TH | 125.00 | -170.3 | 0.0 | 9031 | 0 | -19.7 | 0.0 | 0 | -8 | -301.4 | 0.0 | 0.0 | -13.1 | -2.7 |
| 6TH | 175.00 | -110.0 | 0.0 | 6117 | 0 | -18.0 | 0.0 | 0 | -8 | -123.1 | 0.0 | 0.0 | -2.5 | -1.3 |
| 7TH | 208.75 | -13.1 | 0.0 | 2325 | 0 | -5.6 | 0.0 | 0 | -27 | -13.1 | 0.0 | 0.0 | -.2 | -.4 |
| TOP | 233.50 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

TABLE 7. SHEAR AND MOMENT DIAGRAMS :
WIND DIRECTION 225

SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D
REFERENCE PRESSURE 21.0 PSF

GUST FACTOR 1.30

| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
|-------|--------|--------------|-----|--------------|---|----------------|-----|------------|-----|--------------|-----|-----------------------|-------|------|
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | -39.1 | 0.0 | 2921 | 0 | -13.4 | 0.0 | 0 | -7 | -522.3 | 0.0 | 0.0 | -56.5 | -8.1 |
| 2ND | 17.50 | -50.2 | 0.0 | 3801 | 0 | -13.2 | 0.0 | 0 | -7 | -483.2 | 0.0 | 0.0 | -47.7 | -7.8 |
| 3RD | 40.00 | -83.5 | 0.0 | 6015 | 0 | -13.9 | 0.0 | 0 | -10 | -433.1 | 0.0 | 0.0 | -37.4 | -7.4 |
| 4TH | 75.00 | -130.4 | 0.0 | 8808 | 0 | -14.8 | 0.0 | 0 | -14 | -349.6 | 0.0 | 0.0 | -23.7 | -6.6 |
| 5TH | 125.00 | -129.7 | 0.0 | 9031 | 0 | -14.4 | 0.0 | 0 | -21 | -219.2 | 0.0 | 0.0 | -9.5 | -4.8 |
| 6TH | 175.00 | -80.3 | 0.0 | 6117 | 0 | -13.1 | 0.0 | 0 | -20 | -89.4 | 0.0 | 0.0 | -1.8 | -2.0 |
| 7TH | 208.75 | -9.1 | 0.0 | 2325 | 0 | -3.9 | 0.0 | 0 | -48 | -9.1 | 0.0 | 0.0 | -1.1 | -1.4 |
| TOP | 233.50 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

TABLE 7. SHEAR AND MOMENT DIAGRAMS : SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D
 WIND DIRECTION 240 CONFIGURATION D REFERENCE PRESSURE 21.0 PSF

| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
|-------|--------|--------------|-----|--------------|---|----------------|-----|------------|-----|--------------|-----|-----------------------|-------|------|
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | -11.7 | 0.0 | 2921 | 0 | -4.0 | 0.0 | 0 | -14 | -111.4 | 0.0 | 0.0 | -10.3 | -2.2 |
| 2ND | 17.50 | -12.4 | 0.0 | 3801 | 0 | -3.3 | 0.0 | 0 | -7 | -99.7 | 0.0 | 0.0 | -8.4 | -2.0 |
| 3RD | 40.00 | -20.3 | 0.0 | 6015 | 0 | -3.4 | 0.0 | 0 | -3 | -87.3 | 0.0 | 0.0 | -6.3 | -1.9 |
| 4TH | 75.00 | -31.4 | 0.0 | 8808 | 0 | -3.6 | 0.0 | 0 | -11 | -67.1 | 0.0 | 0.0 | -3.6 | -1.9 |
| 5TH | 125.00 | -27.3 | 0.0 | 9031 | 0 | -3.0 | 0.0 | 0 | -39 | -35.7 | 0.0 | 0.0 | -1.1 | -1.5 |
| 6TH | 175.00 | -14.5 | 0.0 | 6117 | 0 | -2.4 | 0.0 | 0 | -45 | -8.4 | 0.0 | 0.0 | .0 | -1.5 |
| 7TH | 208.75 | 6.1 | 0.0 | 2325 | 0 | 2.6 | 0.0 | 0 | -28 | 6.1 | 0.0 | 0.0 | .1 | .2 |
| TOP | 233.50 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS 1 | | | | | | | | | | | | | | | |
|--------------------------------------|--------|-----------------|-----|--------------|---|--|-----|------------|-----|-----------------------------|-----|-----------------------|------|------------------|--|
| WIND DIRECTION 255 | | CONFIGURATION D | | | | SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | REFERENCE PRESSURE 21.0 PSF | | | | GUST FACTOR 1.30 | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z | |
| 1ST | 0.00 | 30.8 | 0.0 | 2921 | 0 | 10.5 | 0.0 | 0 | -16 | 482.3 | 0.0 | 0.0 | 56.0 | 13.6 | |
| 2ND | 17.50 | 44.9 | 0.0 | 3891 | 0 | 11.8 | 0.0 | 0 | -18 | 431.5 | 0.0 | 0.0 | 47.9 | 13.1 | |
| 3RD | 40.00 | 73.7 | 0.0 | 6015 | 0 | 12.2 | 0.0 | 0 | -22 | 406.6 | 0.0 | 0.0 | 38.2 | 12.3 | |
| 4TH | 75.00 | 110.0 | 0.0 | 8808 | 0 | 12.5 | 0.0 | 0 | -27 | 333.0 | 0.0 | 0.0 | 25.3 | 10.7 | |
| 5TH | 125.00 | 112.8 | 0.0 | 9931 | 0 | 12.5 | 0.0 | 0 | -31 | 223.0 | 0.0 | 0.0 | 11.4 | 7.7 | |
| 6TH | 175.00 | 69.6 | 0.0 | 6117 | 0 | 11.4 | 0.0 | 0 | -34 | 110.2 | 0.0 | 0.0 | 3.0 | 4.2 | |
| 7TH | 200.75 | 40.7 | 0.0 | 2325 | 0 | 17.5 | 0.0 | 0 | -43 | 40.7 | 0.0 | 0.0 | .5 | 1.8 | |
| TOP | 233.50 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | | | | | | | | |
|---|--------|-----------------|-----|--------------|---|----------------|-----|------------|-----|-----------------------------|-----|-----------------------|-------|------------------|--|
| WIND DIRECTION 270 | | CONFIGURATION D | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | | GUST FACTOR 1.30 | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z | |
| 1ST | 0.00 | 69.4 | 0.0 | 2921 | 0 | 23.8 | 0.0 | 0 | 0 | 1022.6 | 0.0 | 0.0 | 117.0 | 6.2 | |
| 2ND | 17.50 | 96.7 | 0.0 | 3801 | 0 | 25.4 | 0.0 | 0 | 0 | 953.2 | 0.0 | 0.0 | 99.8 | 6.2 | |
| 3RD | 40.00 | 156.3 | 0.0 | 6015 | 0 | 26.0 | 0.0 | 0 | -2 | 856.5 | 0.0 | 0.0 | 79.4 | 6.2 | |
| 4TH | 75.00 | 235.6 | 0.0 | 8808 | 0 | 26.7 | 0.0 | 0 | -3 | 700.2 | 0.0 | 0.0 | 52.2 | 6.0 | |
| 5TH | 125.00 | 238.0 | 0.0 | 9031 | 0 | 26.4 | 0.0 | 0 | -8 | 464.6 | 0.0 | 0.0 | 23.0 | 5.2 | |
| 6TH | 175.00 | 160.2 | 0.0 | 6117 | 0 | 26.2 | 0.0 | 0 | -12 | 226.5 | 0.0 | 0.0 | 5.8 | 3.2 | |
| 7TH | 208.75 | 66.4 | 0.0 | 2325 | 0 | 28.6 | 0.0 | 0 | -20 | 66.4 | 0.0 | 0.0 | .0 | 1.3 | |
| TOP | 233.50 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

TABLE 7. SHEAR AND MOMENT DIAGRAMS :
WIND DIRECTION 285

SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D
REFERENCE PRESSURE 21.0 PSF

GUST FACTOR 1.30

| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
|-------|--------|--------------|-----|--------------|---|----------------|-----|------------|-----|--------------|-----|-----------------------|-------|------|
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | 68.8 | 0.0 | 2921 | 0 | 23.6 | 0.0 | 0 | 9 | 936.6 | 0.0 | 0.0 | 106.7 | -2.5 |
| 2ND | 17.50 | 90.6 | 0.0 | 3801 | 0 | 23.8 | 0.0 | 0 | 9 | 867.8 | 0.0 | 0.0 | 90.9 | -1.9 |
| 3RD | 40.00 | 143.9 | 0.0 | 6015 | 0 | 23.9 | 0.0 | 0 | 7 | 777.2 | 0.0 | 0.0 | 72.4 | -1.0 |
| 4TH | 75.00 | 207.6 | 0.0 | 8608 | 0 | 23.6 | 0.0 | 0 | 4 | 633.3 | 0.0 | 0.0 | 47.7 | .1 |
| 5TH | 125.00 | 215.6 | 0.0 | 9031 | 0 | 23.9 | 0.0 | 0 | 0 | 425.7 | 0.0 | 0.0 | 21.2 | 1.0 |
| 6TH | 175.00 | 149.8 | 0.0 | 6117 | 0 | 24.5 | 0.0 | 0 | -1 | 210.1 | 0.0 | 0.0 | 5.3 | 1.0 |
| 7TH | 208.75 | 60.3 | 0.0 | 2325 | 0 | 25.9 | 0.0 | 0 | -14 | 60.3 | 0.0 | 0.0 | .7 | .8 |
| TOP | 233.50 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS 1 SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | | | | | | | | |
|---|--------|-----------------|-----|--------------|---|----------------|-----|------------|----|-----------------------------|-----|-----------------------|------------------|------|--|
| WIND DIRECTION 300 | | CONFIGURATION D | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | GUST FACTOR 1.30 | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z | |
| 1ST | 0.00 | 73.9 | 0.0 | 2921 | 0 | 25.3 | 0.0 | 0 | 9 | 1005.0 | 0.0 | 0.0 | 113.5 | -3.3 | |
| 2ND | 17.50 | 97.0 | 0.0 | 3801 | 0 | 25.5 | 0.0 | 0 | 8 | 931.2 | 0.0 | 0.0 | 96.6 | -2.7 | |
| 3RD | 40.00 | 156.2 | 0.0 | 6015 | 0 | 26.0 | 0.0 | 0 | 6 | 834.2 | 0.0 | 0.0 | 76.7 | -1.9 | |
| 4TH | 75.00 | 229.0 | 0.0 | 8808 | 0 | 26.0 | 0.0 | 0 | 4 | 678.0 | 0.0 | 0.0 | 50.3 | -0.9 | |
| 5TH | 125.00 | 232.0 | 0.0 | 9031 | 0 | 25.7 | 0.0 | 0 | 2 | 449.0 | 0.0 | 0.0 | 22.1 | -0.0 | |
| 6TH | 175.00 | 156.4 | 0.0 | 6117 | 0 | 25.6 | 0.0 | 0 | 1 | 217.0 | 0.0 | 0.0 | 5.4 | -0.4 | |
| 7TH | 208.75 | 60.6 | 0.0 | 2325 | 0 | 26.1 | 0.0 | 0 | -8 | 60.6 | 0.0 | 0.0 | .7 | .5 | |
| TOP | 233.50 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | | | | | | | | | | | | | | |
|--------------------------------------|--------|--|-----|--------------|---|----------------|-----|------------|----|-----------------------------|-----|-----------------------|-------|------------------|--|
| WIND DIRECTION 315 | | SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | | GUST FACTOR 1.30 | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z | |
| 1ST | 0.00 | 81.8 | 0.0 | 2921 | 0 | 28.0 | 0.0 | 0 | 9 | 1102.7 | 0.0 | 0.0 | 124.8 | -4.1 | |
| 2ND | 17.50 | 106.7 | 0.0 | 3801 | 0 | 28.1 | 0.0 | 0 | 8 | 1020.9 | 0.0 | 0.0 | 106.2 | -3.4 | |
| 3RD | 40.00 | 160.8 | 0.0 | 6015 | 0 | 28.1 | 0.0 | 0 | 7 | 914.2 | 0.0 | 0.0 | 84.4 | -2.5 | |
| 4TH | 75.00 | 249.3 | 0.0 | 8808 | 0 | 28.3 | 0.0 | 0 | 5 | 745.4 | 0.0 | 0.0 | 55.4 | -1.3 | |
| 5TH | 125.00 | 256.6 | 0.0 | 9031 | 0 | 28.4 | 0.0 | 0 | 2 | 496.1 | 0.0 | 0.0 | 24.4 | -.1 | |
| 6TH | 175.00 | 173.8 | 0.0 | 6117 | 0 | 28.4 | 0.0 | 0 | 1 | 239.6 | 0.0 | 0.0 | 6.0 | .4 | |
| 7TH | 208.75 | 65.8 | 0.0 | 2325 | 0 | 28.3 | 0.0 | 0 | -9 | 65.8 | 0.0 | 0.0 | .8 | .6 | |
| TOP | 233.50 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | GUST FACTOR 1.30 | | | | |
|--------------------------------------|--------|--|-----|--------------|---|----------------|-----|------------|----|-----------------------------|-----|-----------------------|-------|------|
| WIND DIRECTION 330 | | CONFIGURATION D | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | 70.9 | 0.0 | 2921 | 0 | 24.3 | 0.0 | 0 | 9 | 963.2 | 0.0 | 0.0 | 108.2 | -4.2 |
| 2ND | 17.50 | 93.5 | 0.0 | 3801 | 0 | 24.6 | 0.0 | 0 | 9 | 892.2 | 0.0 | 0.0 | 92.0 | -3.6 |
| 3RD | 40.00 | 150.7 | 0.0 | 6015 | 0 | 25.1 | 0.0 | 0 | 8 | 798.7 | 0.0 | 0.0 | 73.0 | -2.8 |
| 4TH | 75.00 | 222.3 | 0.0 | 8808 | 0 | 25.2 | 0.0 | 0 | 6 | 648.1 | 0.0 | 0.0 | 47.7 | -1.5 |
| 5TH | 125.00 | 222.5 | 0.0 | 9031 | 0 | 24.6 | 0.0 | 0 | 2 | 425.8 | 0.0 | 0.0 | 20.8 | -.3 |
| 6TH | 175.00 | 146.8 | 0.0 | 6117 | 0 | 24.0 | 0.0 | 0 | 1 | 203.3 | 0.0 | 0.0 | 5.1 | .2 |
| 7TH | 208.75 | 56.5 | 0.0 | 2325 | 0 | 24.3 | 0.0 | 0 | -8 | 56.5 | 0.0 | 0.0 | .7 | .4 |
| TOP | 233.50 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | GUST FACTOR 1.30 | | | | |
|--------------------------------------|--------|--|-----|--------------|---|----------------|-----|------------|----|-----------------------------|-----|-----------------------|------|------|
| WIND DIRECTION 345 | | CONFIGURATION D | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | | | | | | | | | 791.7 | 0.0 | 0.0 | 89.6 | -2.9 |
| 2ND | 17.50 | 58.0 | 0.0 | 2921 | 0 | 19.8 | 0.0 | 0 | 9 | 733.7 | 0.0 | 0.0 | 76.2 | -2.3 |
| 3RD | 40.00 | 75.0 | 0.0 | 3801 | 0 | 19.7 | 0.0 | 0 | 7 | 658.7 | 0.0 | 0.0 | 60.6 | -1.8 |
| 4TH | 75.00 | 120.9 | 0.0 | 6015 | 0 | 20.1 | 0.0 | 0 | 7 | 537.8 | 0.0 | 0.0 | 39.6 | -1.9 |
| 5TH | 125.00 | 183.5 | 0.0 | 8808 | 0 | 20.8 | 0.0 | 0 | 4 | 354.3 | 0.0 | 0.0 | 17.3 | -1.2 |
| 6TH | 175.00 | 185.0 | 0.0 | 9031 | 0 | 20.5 | 0.0 | 0 | 2 | 169.2 | 0.0 | 0.0 | 4.2 | -1 |
| 7TH | 208.75 | 122.0 | 0.0 | 6417 | 0 | 19.9 | 0.0 | 0 | 2 | 47.2 | 0.0 | 0.0 | .6 | .3 |
| TOP | 233.50 | 47.2 | 0.0 | 2325 | 0 | 20.3 | 0.0 | 0 | -7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

TABLE 7. SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D
 PROJECT 6002 CONFIGURATION D
 SCALE = 100 REF. PRESSURE = 21.0
 GUST FACTOR = 1.30 STANDARD FLOOR HEIGHT = 50.00
 NUMBER OF SIDES = 1 NO OF FLOORS = 7

| SIDE | ANGLE | Z-AXIS |
|------|-------|--------|
| 1 | 0.0 | 10.875 |

| FLOOR # | LABEL | HEIGHT-FT |
|---------|-------|-----------|
| 1 | 1ST | 17.50 |
| 2 | 2ND | 22.50 |
| 3 | 3RD | 35.00 |
| 4 | 4TH | 50.00 |
| 5 | 5TH | 50.00 |
| 6 | 6TH | 33.75 |
| 7 | 7TH | 24.75 |

TABLE 7. BASE SHEAR AND MOMENT SUMMARY : WEST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D
 CONFIGURATION D REFERENCE PRESSURE 21.0 GUST FACTOR 1.30

| AZIMUTH | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | | ECCEN (FT) | |
|---------|--------------|-----|-----------------------|-------|-------|------------|----|
| | X | Y | X | Y | Z | X | Y |
| 0 | 1240.1 | 0.0 | 0.0 | 148.5 | 4.8 | 0 | 4 |
| 15 | 964.5 | 0.0 | 0.0 | 113.7 | -1.7 | 0 | 2 |
| 30 | 902.3 | 0.0 | 0.0 | 106.5 | -2.3 | 0 | 3 |
| 45 | 844.3 | 0.0 | 0.0 | 99.8 | -2.6 | 0 | 3 |
| 60 | 792.4 | 0.0 | 0.0 | 93.7 | -2.6 | 0 | 3 |
| 75 | 590.6 | 0.0 | 0.0 | 70.1 | -2.0 | 0 | 0 |
| 90 | 373.2 | 0.0 | 0.0 | 47.3 | 0.0 | 0 | - |
| 105 | 583.7 | 0.0 | 0.0 | 69.6 | 2.0 | 0 | 0 |
| 120 | 785.7 | 0.0 | 0.0 | 92.9 | 2.6 | 0 | 0 |
| 135 | 844.7 | 0.0 | 0.0 | 99.8 | 2.2 | 0 | 0 |
| 150 | 900.3 | 0.0 | 0.0 | 106.3 | 2.3 | 0 | 0 |
| 165 | 965.1 | 0.0 | 0.0 | 113.5 | 1.7 | 0 | 0 |
| 180 | 1243.7 | 0.0 | 0.0 | 148.7 | -4.8 | 0 | 4 |
| 195 | 946.3 | 0.0 | 0.0 | 108.5 | -13.7 | 0 | 1 |
| 210 | 304.2 | 0.0 | 0.0 | 36.4 | 3.5 | 0 | -1 |
| 225 | -181.4 | 0.0 | 0.0 | -18.8 | 18.3 | 0 | 10 |
| 240 | -477.5 | 0.0 | 0.0 | -54.2 | 16.2 | 0 | 3 |
| 255 | -639.5 | 0.0 | 0.0 | -74.7 | 7.2 | 0 | 1 |
| 270 | -668.4 | 0.0 | 0.0 | -79.8 | -1.1 | 0 | -0 |
| 285 | -645.8 | 0.0 | 0.0 | -73.2 | -7.3 | 0 | -1 |
| 300 | -476.9 | 0.0 | 0.0 | -54.1 | -16.3 | 0 | -3 |
| 315 | -186.7 | 0.0 | 0.0 | -19.4 | -18.3 | 0 | -9 |
| 330 | 299.2 | 0.0 | 0.0 | 35.9 | -3.5 | 0 | -1 |
| 345 | 938.9 | 0.0 | 0.0 | 107.8 | 13.7 | 0 | -1 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | WEST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | | | GUST FACTOR 1.30 | | |
|--------------------------------------|--------|---|-----|--------------|---|----------------|-----|------------|-----|--------------|-----|-----------------------------|-------|-----|
| WIND DIRECTION 0 | | CONFIGURATION D | | | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | | | | | | | | | 1240.1 | 0.0 | 0.0 | 148.5 | 4.8 |
| 2ND | 16.67 | 80.6 | 0.0 | 2783 | 0 | 28.9 | 0.0 | 0 | -2 | 1159.5 | 0.0 | 0.0 | 128.5 | 4.6 |
| 3RD | 39.17 | 112.2 | 0.0 | 3758 | 0 | 29.9 | 0.0 | 0 | -2 | 1047.3 | 0.0 | 0.0 | 103.6 | 4.4 |
| 4TH | 75.00 | 181.3 | 0.0 | 5984 | 0 | 30.3 | 0.0 | 0 | -1 | 866.0 | 0.0 | 0.0 | 69.4 | 4.2 |
| 5TH | 124.17 | 259.1 | 0.0 | 8211 | 0 | 31.6 | 0.0 | 0 | -1 | 606.8 | 0.0 | 0.0 | 33.2 | 3.9 |
| 6TH | 165.00 | 225.8 | 0.0 | 6819 | 0 | 33.1 | 0.0 | 0 | -2 | 381.0 | 0.0 | 0.0 | 13.0 | 3.3 |
| 7TH | 191.67 | 150.3 | 0.0 | 4453 | 0 | 33.7 | 0.0 | 0 | -7 | 230.8 | 0.0 | 0.0 | 4.8 | 2.2 |
| 8TH | 216.25 | 135.3 | 0.0 | 4105 | 0 | 33.0 | 0.0 | 0 | -10 | 95.5 | 0.0 | 0.0 | .8 | .9 |
| TOP | 233.50 | 95.5 | 0.0 | 2881 | 0 | 33.1 | 0.0 | 0 | -10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : WEST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | | | | | | | | |
|--|--------|-----------------|-----|--------------|---|----------------|-----|------------|---|-----------------------------|-----|-----------------------|-------|------------------|--|
| WIND DIRECTION 15 | | CONFIGURATION D | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | | GUST FACTOR 1.30 | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z | |
| 1ST | 0.00 | 67.7 | 0.0 | 2783 | 0 | 24.3 | 0.0 | 0 | 2 | 964.5 | 0.0 | 0.0 | 113.7 | -1.7 | |
| 2ND | 16.67 | 91.1 | 0.0 | 3758 | 0 | 24.2 | 0.0 | 0 | 2 | 896.8 | 0.0 | 0.0 | 98.2 | -1.6 | |
| 3RD | 39.17 | 148.0 | 0.0 | 5984 | 0 | 24.7 | 0.0 | 0 | 3 | 865.8 | 0.0 | 0.0 | 79.0 | -1.4 | |
| 4TH | 75.00 | 200.5 | 0.0 | 8211 | 0 | 24.4 | 0.0 | 0 | 3 | 657.7 | 0.0 | 0.0 | 52.8 | -1.0 | |
| 5TH | 124.17 | 164.6 | 0.0 | 6819 | 0 | 24.1 | 0.0 | 0 | 2 | 457.2 | 0.0 | 0.0 | 25.4 | -.4 | |
| 6TH | 165.00 | 113.3 | 0.0 | 4453 | 0 | 25.4 | 0.0 | 0 | 0 | 292.6 | 0.0 | 0.0 | 10.1 | -.0 | |
| 7TH | 191.67 | 103.6 | 0.0 | 4105 | 0 | 25.2 | 0.0 | 0 | 0 | 179.4 | 0.0 | 0.0 | 3.8 | .0 | |
| 8TH | 216.25 | 75.8 | 0.0 | 2881 | 0 | 26.3 | 0.0 | 0 | 0 | 75.8 | 0.0 | 0.0 | .7 | .0 | |
| TOP | 233.50 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | WEST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | GUST FACTOR 1.30 | | | | |
|--------------------------------------|--------|---|-----|--------------|---|----------------|-----|------------|---|-----------------------------|-----|-----------------------|-------|------|
| WIND DIRECTION 30 | | CONFIGURATION D | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | | | | | | | | | 902.3 | 0.0 | 0.0 | 106.5 | -2.3 |
| 2ND | 16.67 | 62.3 | 0.0 | 2783 | 0 | 22.5 | 0.0 | 0 | 3 | 839.8 | 0.0 | 0.0 | 91.9 | -2.2 |
| 3RD | 39.17 | 85.7 | 0.0 | 3758 | 0 | 22.8 | 0.0 | 0 | 3 | 754.1 | 0.0 | 0.0 | 74.0 | -1.9 |
| 4TH | 75.00 | 135.4 | 0.0 | 5984 | 0 | 22.6 | 0.0 | 0 | 3 | 618.7 | 0.0 | 0.0 | 49.4 | -1.4 |
| 5TH | 124.17 | 189.7 | 0.0 | 8211 | 0 | 23.1 | 0.0 | 0 | 3 | 429.0 | 0.0 | 0.0 | 23.7 | -0.9 |
| 6TH | 165.00 | 156.1 | 0.0 | 6819 | 0 | 22.9 | 0.0 | 0 | 3 | 272.9 | 0.0 | 0.0 | 9.3 | -0.5 |
| 7TH | 191.67 | 107.3 | 0.0 | 4453 | 0 | 24.1 | 0.0 | 0 | 2 | 165.6 | 0.0 | 0.0 | 3.5 | -0.3 |
| 8TH | 216.25 | 96.7 | 0.0 | 4105 | 0 | 23.6 | 0.0 | 0 | 2 | 68.9 | 0.0 | 0.0 | .6 | -0.1 |
| TOP | 233.50 | 68.9 | 0.0 | 2881 | 0 | 23.9 | 0.0 | 0 | 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS I WEST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | | | | | | | |
|--|--------|-----------------|-----|--------------|---|----------------|-----|------------|---|-----------------------------|-----|-----------------------|------------------|------|
| WIND DIRECTION 45 | | CONFIGURATION D | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | GUST FACTOR 1.30 | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | | | | | | | | | 844.3 | 0.0 | 0.0 | 99.0 | -2.3 |
| 2ND | 16.67 | 59.4 | 0.0 | 2783 | 0 | 21.3 | 0.0 | 0 | 3 | 784.9 | 0.0 | 0.0 | 86.3 | -2.1 |
| 3RD | 39.17 | 77.2 | 0.0 | 3758 | 0 | 20.5 | 0.0 | 0 | 3 | 707.7 | 0.0 | 0.0 | 69.5 | -1.8 |
| 4TH | 75.00 | 126.8 | 0.0 | 5984 | 0 | 21.2 | 0.0 | 0 | 4 | 580.9 | 0.0 | 0.0 | 46.4 | -1.3 |
| 5TH | 124.17 | 177.9 | 0.0 | 8211 | 0 | 21.7 | 0.0 | 0 | 3 | 402.9 | 0.0 | 0.0 | 22.2 | -0.8 |
| 6TH | 165.00 | 146.6 | 0.0 | 6819 | 0 | 21.5 | 0.0 | 0 | 3 | 256.3 | 0.0 | 0.0 | 8.7 | -0.3 |
| 7TH | 191.67 | 100.9 | 0.0 | 4453 | 0 | 22.7 | 0.0 | 0 | 2 | 155.4 | 0.0 | 0.0 | 3.3 | -0.1 |
| 8TH | 216.25 | 91.2 | 0.0 | 4105 | 0 | 22.2 | 0.0 | 0 | 1 | 64.1 | 0.0 | 0.0 | .6 | -0.1 |
| TOP | 233.50 | 64.1 | 0.0 | 2881 | 0 | 22.3 | 0.0 | 0 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : WEST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | | | | | | | | |
|--|--------|-----------------|-----|--------------|---|----------------|-----|------------|---|-----------------------------|-----|-----------------------|------------------|------|--|
| WIND DIRECTION 60 | | CONFIGURATION D | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | GUST FACTOR 1.30 | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | | |
| 1ST | 0.00 | 53.7 | 0.0 | 2783 | 0 | 19.3 | 0.0 | 0 | 2 | 792.4 | 0.0 | 0.0 | 93.7 | -2.6 | |
| 2ND | 16.67 | 72.2 | 0.0 | 3758 | 0 | 19.2 | 0.0 | 0 | 2 | 738.7 | 0.0 | 0.0 | 80.9 | -2.5 | |
| 3RD | 39.17 | 117.5 | 0.0 | 5984 | 0 | 19.6 | 0.0 | 0 | 4 | 666.4 | 0.0 | 0.0 | 65.1 | -2.3 | |
| 4TH | 75.00 | 170.7 | 0.0 | 8211 | 0 | 20.8 | 0.0 | 0 | 4 | 549.0 | 0.0 | 0.0 | 43.4 | -1.8 | |
| 5TH | 124.17 | 141.7 | 0.0 | 6819 | 0 | 20.8 | 0.0 | 0 | 4 | 378.3 | 0.0 | 0.0 | 20.6 | -1.2 | |
| 6TH | 165.00 | 94.7 | 0.0 | 4453 | 0 | 21.3 | 0.0 | 0 | 3 | 236.6 | 0.0 | 0.0 | 8.0 | -.6 | |
| 7TH | 191.67 | 83.7 | 0.0 | 4105 | 0 | 20.4 | 0.0 | 0 | 3 | 141.8 | 0.0 | 0.0 | 3.0 | -.4 | |
| 8TH | 216.25 | 58.1 | 0.0 | 2881 | 0 | 20.2 | 0.0 | 0 | 3 | 58.1 | 0.0 | 0.0 | .5 | -.2 | |
| TOP | 233.50 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : WEST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | | | | | | | | |
|--|--------|-----------------|-----|--------------|---|----------------|-----|------------|---|-----------------------------|-----|-----------------------|------------------|------|--|
| WIND DIRECTION 75 | | CONFIGURATION D | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | GUST FACTOR 1.30 | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z | |
| 1ST | 0.00 | 40.1 | 0.0 | 2783 | 0 | 14.4 | 0.0 | 0 | 3 | 590.6 | 0.0 | 0.0 | 70.1 | -2.0 | |
| 2ND | 16.67 | 53.9 | 0.0 | 3758 | 0 | 14.4 | 0.0 | 0 | 5 | 550.6 | 0.0 | 0.0 | 60.6 | -1.9 | |
| 3RD | 39.17 | 86.8 | 0.0 | 5984 | 0 | 14.5 | 0.0 | 0 | 4 | 496.7 | 0.0 | 0.0 | 48.8 | -1.7 | |
| 4TH | 75.00 | 125.8 | 0.0 | 8211 | 0 | 15.3 | 0.0 | 0 | 3 | 409.9 | 0.0 | 0.0 | 32.5 | -1.3 | |
| 5TH | 124.17 | 105.7 | 0.0 | 6819 | 0 | 15.5 | 0.0 | 0 | 3 | 284.1 | 0.0 | 0.0 | 15.5 | -0.9 | |
| 6TH | 165.00 | 71.0 | 0.0 | 4453 | 0 | 15.9 | 0.0 | 0 | 3 | 178.4 | 0.0 | 0.0 | 6.0 | -0.5 | |
| 7TH | 191.67 | 63.9 | 0.0 | 4105 | 0 | 15.6 | 0.0 | 0 | 3 | 107.5 | 0.0 | 0.0 | 2.2 | -0.3 | |
| 8TH | 216.25 | 43.5 | 0.0 | 2881 | 0 | 15.1 | 0.0 | 0 | 3 | 43.5 | 0.0 | 0.0 | .4 | -0.1 | |
| TOP | 233.50 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : WEST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | | | | | | | |
|--|--------|-----------------|-----|--------------|---|----------------|-----|-----------------------------|----|--------------|------------------|-----------------------|------|-----|
| WIND DIRECTION 90 | | CONFIGURATION D | | | | | | REFERENCE PRESSURE 21.0 PSF | | | GUST FACTOR 1.30 | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | | | | | | | | | 375.2 | 0.0 | 0.0 | 47.5 | .0 |
| 2ND | 16.67 | 21.3 | 0.0 | 2783 | 0 | 7.7 | 0.0 | 0 | -0 | 353.9 | 0.0 | 0.0 | 41.5 | .0 |
| 3RD | 39.17 | 28.5 | 0.0 | 3758 | 0 | 7.6 | 0.0 | 0 | -0 | 325.4 | 0.0 | 0.0 | 33.8 | .0 |
| 4TH | 75.00 | 47.2 | 0.0 | 5984 | 0 | 7.9 | 0.0 | 0 | -0 | 278.2 | 0.0 | 0.0 | 23.0 | .0 |
| 5TH | 124.17 | 78.9 | 0.0 | 8211 | 0 | 9.6 | 0.0 | 0 | 0 | 199.3 | 0.0 | 0.0 | 11.3 | .0 |
| 6TH | 165.00 | 66.7 | 0.0 | 6819 | 0 | 9.8 | 0.0 | 0 | 0 | 132.6 | 0.0 | 0.0 | 4.5 | .0 |
| 7TH | 191.67 | 52.4 | 0.0 | 4453 | 0 | 11.8 | 0.0 | 0 | -0 | 60.2 | 0.0 | 0.0 | 1.7 | .0 |
| 8TH | 216.25 | 47.7 | 0.0 | 4105 | 0 | 11.6 | 0.0 | 0 | -0 | 32.5 | 0.0 | 0.0 | .3 | -0 |
| TOP | 233.50 | 32.5 | 0.0 | 2881 | 0 | 11.3 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

TABLE 7. SHEAR AND MOMENT DIAGRAMS : WEST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D
 WIND DIRECTION 105 CONFIGURATION D REFERENCE PRESSURE 21.0 PSF

| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | GUST FACTOR 1.30 MOMENT (1000-FT-KIPS) | | |
|-------|--------|--------------|-----|--------------|---|----------------|-----|------------|----|--------------|-----|---|------|-----|
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | 39.8 | 0.0 | 2703 | 0 | 14.3 | 0.0 | 0 | -3 | 585.7 | 0.0 | 0.0 | 69.6 | 2.0 |
| 2ND | 16.67 | 53.7 | 0.0 | 3758 | 0 | 14.3 | 0.0 | 0 | -3 | 545.9 | 0.0 | 0.0 | 60.1 | 1.9 |
| 3RD | 39.17 | 85.3 | 0.0 | 5984 | 0 | 14.3 | 0.0 | 0 | -4 | 492.2 | 0.0 | 0.0 | 48.5 | 1.7 |
| 4TH | 75.00 | 124.7 | 0.0 | 8211 | 0 | 15.2 | 0.0 | 0 | -3 | 406.9 | 0.0 | 0.0 | 32.4 | 1.3 |
| 5TH | 124.17 | 104.5 | 0.0 | 6819 | 0 | 15.3 | 0.0 | 0 | -3 | 282.2 | 0.0 | 0.0 | 15.4 | .9 |
| 6TH | 165.00 | 76.8 | 0.0 | 4433 | 0 | 15.9 | 0.0 | 0 | -3 | 177.7 | 0.0 | 0.0 | 6.0 | .5 |
| 7TH | 191.67 | 63.4 | 0.0 | 4105 | 0 | 15.4 | 0.0 | 0 | -3 | 106.9 | 0.0 | 0.0 | 2.2 | .3 |
| 8TH | 216.25 | 43.5 | 0.0 | 2881 | 0 | 15.1 | 0.0 | 0 | -3 | 43.5 | 0.0 | 0.0 | .4 | .1 |
| TOP | 233.50 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | WEST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | | | GUST FACTOR 1.30 | | |
|--------------------------------------|--------|---|-----|--------------|---|----------------|-----|------------|----|--------------|-----|-----------------------------|------|-----|
| WIND DIRECTION 120 | | CONFIGURATION D | | | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | 53.2 | 0.0 | 2783 | 0 | 19.1 | 0.0 | 0 | -2 | 785.7 | 0.0 | 0.0 | 92.9 | 2.6 |
| 2ND | 16.67 | 71.3 | 0.0 | 3758 | 0 | 19.0 | 0.0 | 0 | -2 | 732.5 | 0.0 | 0.0 | 80.3 | 2.5 |
| 3RD | 39.17 | 116.3 | 0.0 | 5984 | 0 | 19.4 | 0.0 | 0 | -4 | 661.3 | 0.0 | 0.0 | 64.6 | 2.3 |
| 4TH | 75.00 | 169.7 | 0.0 | 8211 | 0 | 20.7 | 0.0 | 0 | -4 | 544.9 | 0.0 | 0.0 | 43.0 | 1.8 |
| 5TH | 124.17 | 140.9 | 0.0 | 6819 | 0 | 20.7 | 0.0 | 0 | -4 | 375.2 | 0.0 | 0.0 | 20.4 | 1.1 |
| 6TH | 165.00 | 93.4 | 0.0 | 4453 | 0 | 21.0 | 0.0 | 0 | -3 | 234.3 | 0.0 | 0.0 | 7.9 | .6 |
| 7TH | 191.67 | 83.3 | 0.0 | 4105 | 0 | 20.3 | 0.0 | 0 | -3 | 140.9 | 0.0 | 0.0 | 2.9 | .4 |
| 8TH | 216.25 | 57.5 | 0.0 | 2881 | 0 | 20.0 | 0.0 | 0 | -3 | 57.5 | 0.0 | 0.0 | .5 | .2 |
| TOP | 233.50 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS I WEST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | | | | | | GUST FACTOR 1.30 | | |
|--|--------|--------------|-----|--------------|---|----------------|-----|------------|----|--------------|-----|-----------------------|------------------|-----|--|
| WIND DIRECTION 135 CONFIGURATION D REFERENCE PRESSURE 21.0 PSF | | | | | | | | | | | | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | | |
| 1ST | 0.00 | 59.4 | 0.0 | 2783 | 0 | 21.3 | 0.0 | 0 | -3 | 844.7 | 0.0 | 0.0 | 99.8 | 2.2 | |
| 2ND | 16.67 | 76.9 | 0.0 | 3758 | 0 | 20.5 | 0.0 | 0 | -3 | 785.3 | 0.0 | 0.0 | 86.3 | 2.1 | |
| 3RD | 39.17 | 127.0 | 0.0 | 5984 | 0 | 21.2 | 0.0 | 0 | -4 | 708.4 | 0.0 | 0.0 | 69.5 | 1.8 | |
| 4TH | 75.00 | 178.9 | 0.0 | 6211 | 0 | 21.8 | 0.0 | 0 | -3 | 581.4 | 0.0 | 0.0 | 46.3 | 1.3 | |
| 5TH | 124.17 | 146.9 | 0.0 | 6819 | 0 | 21.5 | 0.0 | 0 | -3 | 402.5 | 0.0 | 0.0 | 22.2 | .8 | |
| 6TH | 165.00 | 100.5 | 0.0 | 4453 | 0 | 22.6 | 0.0 | 0 | -2 | 255.6 | 0.0 | 0.0 | 8.7 | .3 | |
| 7TH | 191.67 | 90.9 | 0.0 | 4105 | 0 | 22.1 | 0.0 | 0 | -1 | 155.1 | 0.0 | 0.0 | 3.2 | .1 | |
| 8TH | 216.25 | 64.2 | 0.0 | 2881 | 0 | 22.3 | 0.0 | 0 | -1 | 64.2 | 0.0 | 0.0 | .6 | -.1 | |
| TOP | 233.50 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | | | | | | | | | | | | | |
|--------------------------------------|--------|---|-----|--------------|---|----------------|-----|-----------------------------|----|------------------|-----|-----------------------|-------|-----|
| WIND DIRECTION 150 | | WEST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | REFERENCE PRESSURE 21.0 PSF | | GUST FACTOR 1.30 | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | | | | | | | | | 900.3 | 0.0 | 0.0 | 106.3 | 2.3 |
| 2ND | 16.67 | 62.1 | 0.0 | 2703 | 0 | 22.3 | 0.0 | 0 | -3 | 838.2 | 0.0 | 0.0 | 91.8 | 2.2 |
| 3RD | 39.17 | 85.6 | 0.0 | 3758 | 0 | 22.8 | 0.0 | 0 | -3 | 752.6 | 0.0 | 0.0 | 73.9 | 1.9 |
| 4TH | 75.00 | 135.1 | 0.0 | 5984 | 0 | 22.6 | 0.0 | 0 | -3 | 617.5 | 0.0 | 0.0 | 49.3 | 1.4 |
| 5TH | 124.17 | 189.6 | 0.0 | 8211 | 0 | 23.1 | 0.0 | 0 | -3 | 427.9 | 0.0 | 0.0 | 23.6 | .9 |
| 6TH | 165.00 | 155.2 | 0.0 | 6819 | 0 | 22.8 | 0.0 | 0 | -3 | 272.7 | 0.0 | 0.0 | 9.3 | .5 |
| 7TH | 191.67 | 107.0 | 0.0 | 4453 | 0 | 24.0 | 0.0 | 0 | -2 | 165.7 | 0.0 | 0.0 | 3.5 | .3 |
| 8TH | 216.25 | 96.8 | 0.0 | 4105 | 0 | 23.6 | 0.0 | 0 | -2 | 68.9 | 0.0 | 0.0 | .6 | .1 |
| TOP | 233.50 | 68.9 | 0.0 | 2881 | 0 | 23.9 | 0.0 | 0 | -2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : WEST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | | | | | | | |
|--|--------|-----------------|-----|--------------|---|----------------|-----|------------|----|------------------|-----|-----------------------|-------|-----|
| WIND DIRECTION 163 | | CONFIGURATION D | | | | | | | | GUST FACTOR 1.30 | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | 67.6 | 0.0 | 2783 | 0 | 24.3 | 0.0 | 0 | -2 | 965.1 | 0.0 | 0.0 | 113.5 | 1.7 |
| 2ND | 16.67 | 91.6 | 0.0 | 3758 | 0 | 24.4 | 0.0 | 0 | -2 | 897.5 | 0.0 | 0.0 | 98.0 | 1.6 |
| 3RD | 39.17 | 148.4 | 0.0 | 5984 | 0 | 24.8 | 0.0 | 0 | -3 | 805.8 | 0.0 | 0.0 | 78.8 | 1.4 |
| 4TH | 75.00 | 201.4 | 0.0 | 8211 | 0 | 24.5 | 0.0 | 0 | -3 | 657.4 | 0.0 | 0.0 | 52.6 | 1.0 |
| 5TH | 124.17 | 166.2 | 0.0 | 6819 | 0 | 24.4 | 0.0 | 0 | -2 | 456.0 | 0.0 | 0.0 | 25.2 | .4 |
| 6TH | 165.00 | 112.3 | 0.0 | 4453 | 0 | 25.2 | 0.0 | 0 | -0 | 289.9 | 0.0 | 0.0 | 10.0 | .0 |
| 7TH | 191.67 | 102.7 | 0.0 | 4105 | 0 | 25.0 | 0.0 | 0 | -0 | 177.6 | 0.0 | 0.0 | 3.8 | -0 |
| 8TH | 216.25 | 74.9 | 0.0 | 2881 | 0 | 26.0 | 0.0 | 0 | 0 | 74.9 | 0.0 | 0.0 | .6 | -0 |
| TGP | 233.50 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | | | | | | | | | | | | | |
|--------------------------------------|--------|---|-----|-----------------------------|---|----------------|-----|------------|----|------------------|-----|-----------------------|-------|------|
| WIND DIRECTION 180 | | WEST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | GUST FACTOR 1.30 | | | | |
| | | CONFIGURATION D | | REFERENCE PRESSURE 21.0 PSF | | | | | | | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | | | | | | | | | 1243.7 | 0.0 | 0.0 | 148.7 | -4.8 |
| 2ND | 16.67 | 82.2 | 0.0 | 2783 | 0 | 29.5 | 0.0 | 0 | 2 | 1161.5 | 0.0 | 0.0 | 128.6 | -4.6 |
| 3RD | 39.17 | 113.6 | 0.0 | 3758 | 0 | 30.2 | 0.0 | 0 | 2 | 1042.9 | 0.0 | 0.0 | 103.8 | -4.4 |
| 4TH | 75.00 | 182.1 | 0.0 | 5984 | 0 | 30.4 | 0.0 | 0 | 1 | 865.8 | 0.0 | 0.0 | 69.5 | -4.2 |
| 5TH | 124.17 | 258.6 | 0.0 | 8211 | 0 | 31.5 | 0.0 | 0 | 1 | 607.3 | 0.0 | 0.0 | 33.3 | -3.9 |
| 6TH | 165.00 | 225.0 | 0.0 | 6819 | 0 | 33.0 | 0.0 | 0 | 2 | 382.3 | 0.0 | 0.0 | 13.1 | -3.3 |
| 7TH | 191.67 | 150.3 | 0.0 | 4453 | 0 | 33.8 | 0.0 | 0 | 7 | 231.9 | 0.0 | 0.0 | 4.9 | -2.3 |
| 8TH | 216.67 | 135.7 | 0.0 | 4105 | 0 | 33.1 | 0.0 | 0 | 10 | 96.3 | 0.0 | 0.0 | .8 | -1.9 |
| TOP | 233.50 | 96.3 | 0.0 | 2881 | 0 | 33.4 | 0.0 | 0 | 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS 1 | | WEST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | | | GUST FACTOR 1.30 | | |
|--------------------------------------|--------|---|-----|--------------|---|----------------|-----|------------|----|--------------|-----|-----------------------------|-------|-------|
| WIND DIRECTION 195 | | CONFIGURATION D | | | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | 63.4 | 0.0 | 2783 | 0 | 22.8 | 0.0 | 0 | 13 | 946.3 | 0.0 | 0.0 | 198.5 | -13.7 |
| 2ND | 16.67 | 87.5 | 0.0 | 3758 | 0 | 23.3 | 0.0 | 0 | 11 | 882.9 | 0.0 | 0.0 | 93.3 | -12.9 |
| 3RD | 39.17 | 148.1 | 0.0 | 5984 | 0 | 24.8 | 0.0 | 0 | 12 | 795.4 | 0.0 | 0.0 | 74.4 | -11.9 |
| 4TH | 75.00 | 216.5 | 0.0 | 8211 | 0 | 26.4 | 0.0 | 0 | 10 | 647.2 | 0.0 | 0.0 | 48.5 | -10.2 |
| 5TH | 124.17 | 181.8 | 0.0 | 6819 | 0 | 26.7 | 0.0 | 0 | 13 | 436.8 | 0.0 | 0.0 | 22.0 | -7.9 |
| 6TH | 165.00 | 106.7 | 0.0 | 4453 | 0 | 24.0 | 0.0 | 0 | 20 | 249.0 | 0.0 | 0.0 | 8.2 | -5.5 |
| 7TH | 191.67 | 85.5 | 0.0 | 4105 | 0 | 20.8 | 0.0 | 0 | 24 | 142.3 | 0.0 | 0.0 | 2.9 | -3.4 |
| 8TH | 216.25 | 56.8 | 0.0 | 2881 | 0 | 19.7 | 0.0 | 0 | 23 | 56.8 | 0.0 | 0.0 | .5 | -1.3 |
| TOP | 233.50 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | | | | | | | | | | | | | |
|--------------------------------------|--------|---|-----|--------------|---|-----------------------------|-----|------------|-----|--------------|-----|-----------------------|------|-----|
| WIND DIRECTION 210 | | WEST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | | | GUST FACTOR 1.30 | | |
| | | CONFIGURATION D | | | | REFERENCE PRESSURE 21.0 PSF | | | | | | MOMENT (1000-FT-KIPS) | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | X | Y | Z |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | | | |
| 1ST | 0.00 | 18.0 | 0.0 | 2783 | 0 | 6.5 | 0.0 | 0 | -22 | 304.2 | 0.0 | 0.0 | 36.4 | 3.5 |
| 2ND | 16.67 | 28.2 | 0.0 | 3758 | 0 | 7.5 | 0.0 | 0 | -13 | 266.2 | 0.0 | 0.0 | 31.5 | 3.1 |
| 3RD | 39.17 | 51.0 | 0.0 | 5984 | 0 | 8.5 | 0.0 | 0 | -12 | 258.0 | 0.0 | 0.0 | 29.4 | 2.7 |
| 4TH | 75.00 | 61.1 | 0.0 | 8211 | 0 | 7.4 | 0.0 | 0 | -13 | 207.0 | 0.0 | 0.0 | 17.1 | 2.1 |
| 5TH | 124.17 | 54.5 | 0.0 | 6819 | 0 | 8.0 | 0.0 | 0 | -16 | 145.9 | 0.0 | 0.0 | 8.4 | 1.2 |
| 6TH | 165.00 | 29.4 | 0.0 | 4453 | 0 | 6.6 | 0.0 | 0 | -11 | 91.4 | 0.0 | 0.0 | 3.6 | .4 |
| 7TH | 191.67 | 26.2 | 0.0 | 4105 | 0 | 6.4 | 0.0 | 0 | -8 | 62.0 | 0.0 | 0.0 | 1.5 | .1 |
| 8TH | 216.25 | 35.8 | 0.0 | 2801 | 0 | 12.4 | 0.0 | 0 | 3 | 35.8 | 0.0 | 0.0 | .3 | -.1 |
| TOP | 233.50 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : WEST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | | | | | | | |
|--|--------|-----------------|-----|--------------|---|----------------|-----|-----------------------------|-----|--------------|-----|-----------------------|-------|------|
| WIND DIRECTION 225 | | CONFIGURATION D | | | | | | REFERENCE PRESSURE 21.0 PSF | | | | GUST FACTOR 1.30 | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | -15.0 | 0.0 | 2763 | 0 | -5.4 | 0.0 | 0 | 91 | -181.4 | 0.0 | 0.0 | -18.8 | 18.3 |
| 2ND | 16.67 | -16.3 | 0.0 | 3758 | 0 | -4.3 | 0.0 | 0 | 103 | -166.3 | 0.0 | 0.0 | -15.9 | 16.9 |
| 3RD | 39.17 | -25.5 | 0.0 | 5984 | 0 | -4.3 | 0.0 | 0 | 125 | -150.2 | 0.0 | 0.0 | -12.3 | 15.3 |
| 4TH | 75.00 | -47.0 | 0.0 | 8211 | 0 | -5.7 | 0.0 | 0 | 88 | -124.6 | 0.0 | 0.0 | -7.4 | 12.1 |
| 5TH | 124.17 | -44.2 | 0.0 | 6819 | 0 | -6.5 | 0.0 | 0 | 84 | -77.6 | 0.0 | 0.0 | -2.4 | 7.9 |
| 6TH | 165.00 | -29.9 | 0.0 | 4453 | 0 | -6.7 | 0.0 | 0 | 69 | -33.4 | 0.0 | 0.0 | -.2 | 4.2 |
| 7TH | 191.67 | -21.3 | 0.0 | 4105 | 0 | -5.2 | 0.0 | 0 | 74 | -3.4 | 0.0 | 0.0 | .3 | 2.1 |
| 8TH | 216.25 | 17.9 | 0.0 | 2881 | 0 | 6.2 | 0.0 | 0 | -31 | 17.9 | 0.0 | 0.0 | .2 | .6 |
| TOP | 233.50 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | WEST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | GUST FACTOR 1.20 | | | | |
|--------------------------------------|--------|---|-----|--------------|---|-----------------------------|-----|------------|-----|------------------|-----|-----------------------|-------|------|
| WIND DIRECTION 240 | | CONFIGURATION D | | | | REFERENCE PRESSURE 21.0 PSF | | | | | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | -34.2 | 0.0 | 2783 | 0 | -12.3 | 0.0 | 0 | 35 | -477.5 | 0.0 | 0.0 | -54.2 | 16.2 |
| 2ND | 16.67 | -41.0 | 0.0 | 3758 | 0 | -10.9 | 0.0 | 0 | 35 | -443.3 | 0.0 | 0.0 | -46.5 | 15.0 |
| 3RD | 39.17 | -69.1 | 0.0 | 5984 | 0 | -11.6 | 0.0 | 0 | 40 | -402.3 | 0.0 | 0.0 | -37.0 | 13.6 |
| 4TH | 75.00 | -110.6 | 0.0 | 8211 | 0 | -13.5 | 0.0 | 0 | 34 | -333.2 | 0.0 | 0.0 | -23.8 | 10.8 |
| 5TH | 124.17 | -98.9 | 0.0 | 6819 | 0 | -14.5 | 0.0 | 0 | 32 | -222.6 | 0.0 | 0.0 | -10.2 | 7.0 |
| 6TH | 165.00 | -68.3 | 0.0 | 4453 | 0 | -15.3 | 0.0 | 0 | 28 | -123.7 | 0.0 | 0.0 | -3.1 | 3.8 |
| 7TH | 191.67 | -54.7 | 0.0 | 4105 | 0 | -13.3 | 0.0 | 0 | 26 | -55.4 | 0.0 | 0.0 | -.7 | 1.9 |
| 8TH | 216.25 | -7.7 | 0.0 | 2881 | 0 | -7.2 | 0.0 | 0 | 716 | -7.7 | 0.0 | 0.0 | -.0 | .5 |
| TOP | 233.50 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAM 1 | | WEST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | GUST FACTOR 1.30 | | | | |
|-------------------------------------|--------|---|-----|--------------|---|----------------|-----|------------|----|-----------------------------|-----|-----------------------|-------|-----|
| WIND DIRECTION 255 | | CONFIGURATION D | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | | | | | | | | | -639.5 | 0.0 | 0.0 | -74.7 | 7.2 |
| 2ND | 16.67 | -42.7 | 0.0 | 2783 | 0 | -15.3 | 0.0 | 0 | 11 | -596.8 | 0.0 | 0.0 | -64.4 | 6.7 |
| 3RD | 39.17 | -54.9 | 0.0 | 3758 | 0 | -14.6 | 0.0 | 0 | 11 | -541.9 | 0.0 | 0.0 | -51.6 | 6.0 |
| 4TH | 75.00 | -91.2 | 0.0 | 5984 | 0 | -15.2 | 0.0 | 0 | 14 | -450.7 | 0.0 | 0.0 | -33.8 | 4.8 |
| 5TH | 124.17 | -141.7 | 0.0 | 8211 | 0 | -17.3 | 0.0 | 0 | 13 | -309.0 | 0.0 | 0.0 | -15.1 | 3.0 |
| 6TH | 165.00 | -128.7 | 0.0 | 6819 | 0 | -18.9 | 0.0 | 0 | 11 | -180.3 | 0.0 | 0.0 | -5.2 | 1.7 |
| 7TH | 191.67 | -87.8 | 0.0 | 4453 | 0 | -19.7 | 0.0 | 0 | 10 | -92.5 | 0.0 | 0.0 | -1.5 | .8 |
| 8TH | 216.25 | -74.2 | 0.0 | 4105 | 0 | -18.1 | 0.0 | 0 | 9 | -18.3 | 0.0 | 0.0 | -.2 | .1 |
| TOP | 233.50 | -18.3 | 0.0 | 2881 | 0 | -6.4 | 0.0 | 0 | 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | WEST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | | | GUST FACTOR 1.30 | | |
|--------------------------------------|--------|---|-----|--------------|---|----------------|-----|------------|----|--------------|-----|-----------------------------|-------|------|
| WIND DIRECTION 270 | | CONFIGURATION D | | | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | -42.8 | 0.0 | 2703 | 0 | -15.4 | 0.0 | 0 | -0 | -668.4 | 0.0 | 0.0 | -79.8 | -1.1 |
| 2ND | 16.67 | -55.5 | 0.0 | 3758 | 0 | -14.8 | 0.0 | 0 | -0 | -625.6 | 0.0 | 0.0 | -69.1 | -1.1 |
| 3RD | 39.17 | -91.8 | 0.0 | 3984 | 0 | -15.3 | 0.0 | 0 | -0 | -570.1 | 0.0 | 0.0 | -55.6 | -1.1 |
| 4TH | 75.00 | -146.1 | 0.0 | 8211 | 0 | -17.8 | 0.0 | 0 | -0 | -478.4 | 0.0 | 0.0 | -36.8 | -1.0 |
| 5TH | 124.17 | -132.1 | 0.0 | 6819 | 0 | -19.4 | 0.0 | 0 | -0 | -332.3 | 0.0 | 0.0 | -16.9 | -1.0 |
| 6TH | 165.00 | -92.4 | 0.0 | 4453 | 0 | -20.7 | 0.0 | 0 | -0 | -200.1 | 0.0 | 0.0 | -6.0 | -1.0 |
| 7TH | 191.67 | -79.7 | 0.0 | 4105 | 0 | -19.4 | 0.0 | 0 | -0 | -107.7 | 0.0 | 0.0 | -1.9 | -1.0 |
| 8TH | 216.25 | -28.0 | 0.0 | 2881 | 0 | -9.7 | 0.0 | 0 | -0 | -28.0 | 0.0 | 0.0 | -.2 | -1.0 |
| TOP | 233.50 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : WEST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | | | | | | | |
|--|--------|-----------------|-----|--------------|---|----------------|-----|-----------------------------|-----|------------------|-----|-----------------------|-------|------|
| WIND DIRECTION 285 | | CONFIGURATION D | | | | | | REFERENCE PRESSURE 21.0 PSF | | GUST FACTOR 1.30 | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SR FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | | | | | | | | | -645.8 | 0.0 | 0.0 | -75.2 | -7.3 |
| 2ND | 16.67 | -43.0 | 0.0 | 2783 | 0 | -13.5 | 0.0 | 0 | -11 | -602.8 | 0.0 | 0.0 | -64.8 | -6.8 |
| 3RD | 39.17 | -56.1 | 0.0 | 3758 | 0 | -14.9 | 0.0 | 0 | -11 | -546.7 | 0.0 | 0.0 | -51.9 | -6.1 |
| 4TH | 75.00 | -93.1 | 0.0 | 5984 | 0 | -15.6 | 0.0 | 0 | -14 | -453.6 | 0.0 | 0.0 | -34.0 | -4.9 |
| 5TH | 124.17 | -143.6 | 0.0 | 8211 | 0 | -17.5 | 0.0 | 0 | -12 | -310.0 | 0.0 | 0.0 | -15.2 | -3.1 |
| 6TH | 165.00 | -128.7 | 0.0 | 6819 | 0 | -18.9 | 0.0 | 0 | -11 | -181.3 | 0.0 | 0.0 | -5.2 | -1.7 |
| 7TH | 191.67 | -89.0 | 0.0 | 4453 | 0 | -20.0 | 0.0 | 0 | -10 | -92.3 | 0.0 | 0.0 | -1.5 | -.8 |
| 8TH | 216.25 | -74.1 | 0.0 | 4105 | 0 | -18.0 | 0.0 | 0 | -9 | -18.2 | 0.0 | 0.0 | -.2 | -.1 |
| TOP | 233.50 | -18.2 | 0.0 | 2881 | 0 | -6.3 | 0.0 | 0 | -8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

TABLE 7. SHEAR AND MOMENT DIAGRAMS : WEST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D
 WIND DIRECTION 300 CONFIGURATION D REFERENCE PRESSURE 21.0 PSF

| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | GUST FACTOR 1.30 MOMENT (1000-FT-KIPS) | | |
|-------|--------|--------------|-----|--------------|---|----------------|-----|------------|------|--------------|-----|---|-------|-------|
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | | | | | | | | | -476.9 | 0.0 | 0.0 | -54.1 | -16.3 |
| 2ND | 16.67 | -34.9 | 0.0 | 2783 | 0 | -12.5 | 0.0 | 0 | -35 | -442.0 | 0.0 | 0.0 | -46.4 | -15.1 |
| 3RD | 39.17 | -40.6 | 0.0 | 3758 | 0 | -10.8 | 0.0 | 0 | -36 | -401.4 | 0.0 | 0.0 | -36.9 | -13.6 |
| 4TH | 75.00 | -68.7 | 0.0 | 5984 | 0 | -11.5 | 0.0 | 0 | -41 | -332.7 | 0.0 | 0.0 | -23.8 | -10.8 |
| 5TH | 124.17 | -110.9 | 0.0 | 8211 | 0 | -13.5 | 0.0 | 0 | -34 | -221.8 | 0.0 | 0.0 | -10.1 | -7.0 |
| 6TH | 165.00 | -98.1 | 0.0 | 6819 | 0 | -14.4 | 0.0 | 0 | -33 | -123.7 | 0.0 | 0.0 | -3.1 | -3.8 |
| 7TH | 191.67 | -68.3 | 0.0 | 4453 | 0 | -15.3 | 0.0 | 0 | -28 | -55.4 | 0.0 | 0.0 | -.7 | -1.9 |
| 8TH | 216.25 | -54.4 | 0.0 | 4105 | 0 | -13.2 | 0.0 | 0 | -26 | -1.0 | 0.0 | 0.0 | -.0 | -.5 |
| TOP | 233.50 | -1.0 | 0.0 | 2881 | 0 | -.3 | 0.0 | 0 | -489 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : WEST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | | | | | | | |
|--|--------|-----------------|-----|--------------|---|----------------|-----|-----------------------------|------|------------------|-----|-----------------------|-------|-------|
| WIND DIRECTION 315 | | CONFIGURATION D | | | | | | REFERENCE PRESSURE 21.0 PSF | | GUST FACTOR 1.30 | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | | | | | | | | | -186.7 | 0.0 | 0.0 | -19.4 | -18.3 |
| 2ND | 16.67 | -15.0 | 0.0 | 2783 | 0 | -5.4 | 0.0 | 0 | -90 | -171.7 | 0.0 | 0.0 | -16.4 | -16.9 |
| 3RD | 39.17 | -16.8 | 0.0 | 3758 | 0 | -4.5 | 0.0 | 0 | -100 | -155.0 | 0.0 | 0.0 | -12.7 | -15.3 |
| 4TH | 75.00 | -26.7 | 0.0 | 5984 | 0 | -4.5 | 0.0 | 0 | -119 | -128.2 | 0.0 | 0.0 | -7.7 | -12.1 |
| 5TH | 124.17 | -48.5 | 0.0 | 8211 | 0 | -5.9 | 0.0 | 0 | -85 | -79.8 | 0.0 | 0.0 | -2.5 | -7.9 |
| 6TH | 165.00 | -44.8 | 0.0 | 6919 | 0 | -6.6 | 0.0 | 0 | -83 | -34.9 | 0.0 | 0.0 | -.2 | -4.2 |
| 7TH | 191.67 | -30.8 | 0.0 | 4453 | 0 | -6.9 | 0.0 | 0 | -67 | -4.1 | 0.0 | 0.0 | .3 | -2.2 |
| 8TH | 216.25 | -22.0 | 0.0 | 4105 | 0 | -5.4 | 0.0 | 0 | -72 | 17.8 | 0.0 | 0.0 | .2 | -1.6 |
| TOP | 233.50 | 17.8 | 0.0 | 2881 | 0 | 6.2 | 0.0 | 0 | 31 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS 1 WEST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | | | | | | | | |
|--|--------|-----------------|-----|--------------|---|----------------|-----|-----------------------------|----|------------------|-----|-----------------------|------|------|--|
| WIND DIRECTION 130 | | CONFIGURATION D | | | | | | REFERENCE PRESSURE 21.0 PSF | | GUST FACTOR 1.30 | | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z | |
| 1ST | 0.00 | | | | | | | | | 299.2 | 0.0 | 0.0 | 35.9 | -3.5 | |
| 2ND | 16.67 | 18.2 | 0.0 | 2783 | 0 | 6.5 | 0.0 | 0 | 22 | 281.1 | 0.0 | 0.0 | 31.1 | -3.1 | |
| 3RD | 39.17 | 27.2 | 0.0 | 3758 | 0 | 7.2 | 0.0 | 0 | 14 | 253.9 | 0.0 | 0.0 | 25.1 | -2.7 | |
| 4TH | 75.00 | 50.8 | 0.0 | 5984 | 0 | 8.5 | 0.0 | 0 | 12 | 203.1 | 0.0 | 0.0 | 16.9 | -2.1 | |
| 5TH | 124.17 | 58.9 | 0.0 | 8211 | 0 | 7.2 | 0.0 | 0 | 14 | 144.2 | 0.0 | 0.0 | 8.3 | -1.3 | |
| 6TH | 165.00 | 53.2 | 0.0 | 6819 | 0 | 7.8 | 0.0 | 0 | 16 | 90.9 | 0.0 | 0.0 | 3.5 | -0.4 | |
| 7TH | 191.67 | 29.2 | 0.0 | 4453 | 0 | 6.6 | 0.0 | 0 | 11 | 61.8 | 0.0 | 0.0 | 1.5 | -0.1 | |
| 8TH | 216.25 | 26.3 | 0.0 | 4105 | 0 | 6.4 | 0.0 | 0 | 8 | 35.5 | 0.0 | 0.0 | .3 | .1 | |
| TGP | 233.50 | 33.5 | 0.0 | 2881 | 0 | 12.3 | 0.0 | 0 | -3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | | | | | | | | | | | | | |
|--------------------------------------|--------|---|-----|-----------------------------|---|----------------|-----|------------|-----|--------------|-----|-----------------------|-------|------|
| WIND DIRECTION 345 | | WEST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | | | GUST FACTOR 1.30 | | |
| | | CONFIGURATION D | | REFERENCE PRESSURE 21.0 PSF | | | | | | | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | 63.8 | 0.0 | 2783 | 0 | 22.9 | 0.0 | 0 | -13 | 938.9 | 0.0 | 0.0 | 107.8 | 13.7 |
| 2ND | 16.67 | 85.5 | 0.0 | 3758 | 0 | 22.8 | 0.0 | 0 | -12 | 875.0 | 0.0 | 0.0 | 92.7 | 12.9 |
| 3RD | 39.17 | 147.0 | 0.0 | 5984 | 0 | 24.6 | 0.0 | 0 | -12 | 789.5 | 0.0 | 0.0 | 73.9 | 11.9 |
| 4TH | 73.00 | 212.6 | 0.0 | 8211 | 0 | 25.9 | 0.0 | 0 | -11 | 642.5 | 0.0 | 0.0 | 48.3 | 10.2 |
| 5TH | 124.17 | 183.5 | 0.0 | 6819 | 0 | 26.9 | 0.0 | 0 | -13 | 429.9 | 0.0 | 0.0 | 21.9 | 7.9 |
| 6TH | 165.00 | 104.8 | 0.0 | 4453 | 0 | 23.5 | 0.0 | 0 | -20 | 246.4 | 0.0 | 0.0 | 9.1 | 5.5 |
| 7TH | 191.67 | 85.0 | 0.0 | 4105 | 0 | 20.7 | 0.0 | 0 | -24 | 141.6 | 0.0 | 0.0 | 2.9 | 3.4 |
| 8TH | 216.25 | 56.6 | 0.0 | 2881 | 0 | 19.7 | 0.0 | 0 | -23 | 56.6 | 0.0 | 0.0 | .5 | 1.3 |
| TOP | 233.50 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

TABLE 7. WEST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D
 PROJECT 6082 CONFIGURATION D
 SCALE = 100 REF. PRESSURE = 21.0
 GUST FACTOR = 1.30 STANDARD FLOOR HEIGHT = 50.00
 NUMBER OF SIDES = 1 NO. OF FLOORS = 8

| SIDE | ANGLE | Z-AXIS |
|------|-------|--------|
| 1 | 0.0 | 10.020 |

| FLOOR # | LABEL | HEIGHT-FT |
|---------|-------|-----------|
| 1 | 1ST | 16.67 |
| 2 | 2ND | 22.50 |
| 3 | 3RD | 35.83 |
| 4 | 4TH | 49.17 |
| 5 | 5TH | 40.83 |
| 6 | 6TH | 26.67 |
| 7 | 7TH | 24.58 |
| 8 | 8TH | 17.25 |

TABLE 7. BASE SHEAR AND MOMENT SUMMARY : EAST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D
 CONFIGURATION D REFERENCE PRESSURE 21.0 GUST FACTOR 1.30

| AZIMUTH | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | | ECCEN (FT) | |
|---------|--------------|-----|-----------------------|-------|-------|------------|------|
| | X | Y | X | Y | Z | X | Y |
| 0 | -103.8 | 0.0 | 0.0 | -24.1 | 10.8 | 0 | 104 |
| 15 | -103.1 | 0.0 | 0.0 | -23.3 | 11.7 | 0 | 114 |
| 30 | -60.7 | 0.0 | 0.0 | -14.8 | 12.6 | 0 | 208 |
| 45 | -12.2 | 0.0 | 0.0 | -4.8 | 12.2 | 0 | 1002 |
| 60 | 41.3 | 0.0 | 0.0 | 6.1 | 11.2 | 0 | -272 |
| 75 | 122.3 | 0.0 | 0.0 | 18.1 | 7.4 | 0 | -61 |
| 90 | 338.7 | 0.0 | 0.0 | 55.9 | 0.0 | 0 | -0 |
| 105 | 215.9 | 0.0 | 0.0 | 39.9 | 7.4 | 0 | 34 |
| 120 | 153.0 | 0.0 | 0.0 | 22.1 | -11.2 | 0 | 73 |
| 135 | 135.0 | 0.0 | 0.0 | 22.5 | -12.2 | 0 | 91 |
| 150 | 122.6 | 0.0 | 0.0 | 27.9 | -12.6 | 0 | 103 |
| 165 | 94.4 | 0.0 | 0.0 | 22.6 | -11.7 | 0 | 124 |
| 180 | 93.0 | 0.0 | 0.0 | 21.7 | -10.8 | 0 | 116 |
| 195 | 109.6 | 0.0 | 0.0 | 23.9 | -8.8 | 0 | 81 |
| 210 | 163.0 | 0.0 | 0.0 | 41.8 | -7.5 | 0 | 46 |
| 225 | 216.0 | 0.0 | 0.0 | 39.2 | -5.6 | 0 | 26 |
| 240 | 237.8 | 0.0 | 0.0 | 41.3 | -3.3 | 0 | 14 |
| 255 | 220.4 | 0.0 | 0.0 | 37.2 | -1.2 | 0 | 6 |
| 270 | 193.5 | 0.0 | 0.0 | 32.4 | 0.0 | 0 | -0 |
| 285 | 230.4 | 0.0 | 0.0 | 39.5 | 1.2 | 0 | -5 |
| 300 | 210.4 | 0.0 | 0.0 | 34.9 | 3.3 | 0 | -16 |
| 315 | 130.4 | 0.0 | 0.0 | 19.3 | 5.5 | 0 | -43 |
| 330 | 26.7 | 0.0 | 0.0 | 7.1 | 5.6 | 0 | -283 |
| 345 | -68.2 | 0.0 | 0.0 | -17.5 | 8.8 | 0 | 130 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : EAST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | | | | | | | | |
|--|--------|-----------------|-----|--------------|---|----------------|-----|------------|------------------|--------------|-----|-----------------------|-------|------|--|
| WIND DIRECTION 0 | | CONFIGURATION D | | | | | | | GUST FACTOR 1.30 | | | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z | |
| 1ST | 0.00 | | | | | | | | | -103.8 | 0.0 | 0.0 | -24.1 | 10.8 | |
| 2ND | 17.50 | .2 | 0.0 | 329 | 0 | .3 | 0.0 | 0-3225 | | -104.0 | 0.0 | 0.0 | -22.3 | 10.0 | |
| 3RD | 40.00 | .5 | 0.0 | 681 | 0 | .7 | 0.0 | 0-2190 | | -104.4 | 0.0 | 0.0 | -19.9 | 9.0 | |
| 4TH | 75.00 | .4 | 0.0 | 1059 | 0 | .4 | 0.0 | 0-3660 | | -104.9 | 0.0 | 0.0 | -16.3 | 7.4 | |
| 5TH | 125.00 | -.8 | 0.0 | 1513 | 0 | -.5 | 0.0 | 0 2999 | | -104.1 | 0.0 | 0.0 | -11.1 | 4.9 | |
| 6TH | 175.00 | -1.3 | 0.0 | 1913 | 0 | -.8 | 0.0 | 0 2094 | | -102.8 | 0.0 | 0.0 | -5.9 | 2.3 | |
| 7TH | 212.50 | -1.2 | 0.0 | 1134 | 0 | -1.1 | 0.0 | 0 1616 | | -101.6 | 0.0 | 0.0 | -2.1 | .4 | |
| 8TH | 237.50 | -65.0 | 0.0 | 3102 | 0 | -20.9 | 0.0 | 0 6 | | -36.6 | 0.0 | 0.0 | -.3 | .0 | |
| TOP | 255.25 | -36.6 | 0.0 | 1625 | 0 | -22.5 | 0.0 | 0 -0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : EAST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | | | | | | | | |
|--|--------|-----------------|-----|--------------|---|----------------|-----|------------|-------|-----------------------------|-----|-----------------------|-------|------------------|--|
| WIND DIRECTION 15 | | CONFIGURATION D | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | | GUST FACTOR 1.30 | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z | |
| 1ST | 0.00 | -1.5 | 0.0 | 529 | 0 | -1.0 | 0.0 | 0 | 1767 | -103.1 | 0.0 | 0.0 | -23.3 | 11.7 | |
| 2ND | 17.50 | -1.1 | 0.0 | 601 | 0 | -1.1 | 0.0 | 0 | 16969 | -102.6 | 0.0 | 0.0 | -21.5 | 10.8 | |
| 3RD | 40.00 | -1.1 | 0.0 | 1059 | 0 | -1.1 | 0.0 | 0 | 88888 | -102.5 | 0.0 | 0.0 | -19.2 | 9.6 | |
| 4TH | 75.00 | -1.9 | 0.0 | 1513 | 0 | -1.3 | 0.0 | 0 | 1431 | -102.6 | 0.0 | 0.0 | -15.6 | 7.9 | |
| 5TH | 125.00 | -2.6 | 0.0 | 1513 | 0 | -1.7 | 0.0 | 0 | 1044 | -100.7 | 0.0 | 0.0 | -10.5 | 5.1 | |
| 6TH | 175.00 | -2.1 | 0.0 | 1134 | 0 | -1.9 | 0.0 | 0 | 952 | -98.0 | 0.0 | 0.0 | -5.6 | 2.4 | |
| 7TH | 212.50 | -61.3 | 0.0 | 3102 | 0 | -19.7 | 0.0 | 0 | 6 | -95.9 | 0.0 | 0.0 | -1.9 | .4 | |
| 8TH | 237.50 | -34.7 | 0.0 | 1625 | 0 | -21.3 | 0.0 | 0 | -0 | -34.7 | 0.0 | 0.0 | -.3 | .0 | |
| TOP | 255.25 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

| TABLE 7. SHEAR AND MOMENT DIAGRAM 1 | | EAST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | GUST FACTOR 1.30 | | | | | |
|-------------------------------------|--------|---|-----|--------------|---|----------------|-----|------------|-----------------------------|--------------|-----|-----------------------|-------|------|
| WIND DIRECTION 30 | | CONFIGURATION D | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | .3 | 0.0 | 529 | 0 | .7 | 0.0 | 0-2863 | | -60.7 | 0.0 | 0.0 | -14.8 | 12.6 |
| 2ND | 17.50 | .8 | 0.0 | 681 | 0 | 1.2 | 0.0 | 0-1525 | | -61.1 | 0.0 | 0.0 | -13.7 | 11.6 |
| 3RD | 40.00 | 1.6 | 0.0 | 1059 | 0 | 1.5 | 0.0 | 0-1224 | | -61.9 | 0.0 | 0.0 | -12.3 | 10.4 |
| 4TH | 75.00 | .9 | 0.0 | 1513 | 0 | .6 | 0.0 | 0-3149 | | -63.5 | 0.0 | 0.0 | -10.1 | 8.5 |
| 5TH | 125.00 | -.5 | 0.0 | 1513 | 0 | -.3 | 0.0 | 0 6075 | | -64.4 | 0.0 | 0.0 | -6.9 | 5.6 |
| 6TH | 175.00 | .3 | 0.0 | 1134 | 0 | .2 | 0.0 | 0-7800 | | -63.9 | 0.0 | 0.0 | -3.7 | 2.5 |
| 7TH | 212.50 | -40.6 | 0.0 | 3102 | 0 | -13.1 | 0.0 | 0 9 | | -64.2 | 0.0 | 0.0 | -1.3 | .4 |
| 8TH | 237.50 | -23.5 | 0.0 | 1625 | 0 | -14.5 | 0.0 | 0 -0 | | -23.5 | 0.0 | 0.0 | -.2 | .0 |
| TOP | 255.25 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS 1 | | | | | | | | | | | | | | |
|--------------------------------------|--------|---|-----|--------------|---|-----------------------------|-----|-----------|-------|--------------|-----|-----------------------|------|------|
| WIND DIRECTION 45 | | EAST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | | | GUST FACTOR 1.30 | | |
| | | CONFIGURATION D | | | | REFERENCE PRESSURE 21.0 PSF | | | | | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCH (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | 1.3 | 0.0 | 529 | 0 | 2.5 | 0.0 | 0 | -584 | -12.2 | 0.0 | 0.0 | -4.8 | 12.2 |
| 2ND | 17.50 | 1.9 | 0.0 | 681 | 0 | 2.6 | 0.0 | 0 | -634 | -13.5 | 0.0 | 0.0 | -4.6 | 11.3 |
| 3RD | 40.00 | 3.1 | 0.0 | 1059 | 0 | 2.9 | 0.0 | 0 | -623 | -15.5 | 0.0 | 0.0 | -4.2 | 10.1 |
| 4TH | 75.00 | 2.7 | 0.0 | 1513 | 0 | 1.8 | 0.0 | 0 | -1036 | -18.5 | 0.0 | 0.0 | -3.6 | 8.2 |
| 5TH | 125.00 | 3.0 | 0.0 | 1513 | 0 | 2.0 | 0.0 | 0 | -961 | -21.3 | 0.0 | 0.0 | -2.6 | 5.3 |
| 6TH | 175.00 | 2.3 | 0.0 | 1134 | 0 | 2.0 | 0.0 | 0 | -912 | -24.3 | 0.0 | 0.0 | -1.5 | 2.4 |
| 7TH | 212.50 | -16.4 | 0.0 | 3102 | 0 | -5.3 | 0.0 | 0 | 19 | -26.6 | 0.0 | 0.0 | -.6 | .3 |
| 8TH | 237.50 | -10.2 | 0.0 | 1625 | 0 | -6.3 | 0.0 | 0 | -0 | -10.2 | 0.0 | 0.0 | -.1 | -.0 |
| TOP | 255.25 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | EAST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | | | GUST FACTOR 1.30 | | |
|--------------------------------------|--------|---|-----|--------------|---|----------------|-----|------------|------|--------------|-----|-----------------------------|-----|------|
| WIND DIRECTION 60 | | CONFIGURATION D | | | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | 2.4 | 0.0 | 929 | 0 | 4.9 | 0.0 | 0 | -317 | 41.3 | 0.0 | 0.0 | 6.1 | 11.2 |
| 2ND | 17.50 | 3.3 | 0.0 | 681 | 0 | 4.9 | 0.0 | 0 | -328 | 38.7 | 0.0 | 0.0 | 5.4 | 10.4 |
| 3RD | 40.00 | 4.7 | 0.0 | 1059 | 0 | 4.5 | 0.0 | 0 | -374 | 35.4 | 0.0 | 0.0 | 4.5 | 9.3 |
| 4TH | 75.00 | 5.9 | 0.0 | 1513 | 0 | 3.9 | 0.0 | 0 | -443 | 30.7 | 0.0 | 0.0 | 3.4 | 7.5 |
| 5TH | 125.00 | 5.6 | 0.0 | 1513 | 0 | 3.7 | 0.0 | 0 | -484 | 24.8 | 0.0 | 0.0 | 2.0 | 4.9 |
| 6TH | 175.00 | 5.2 | 0.0 | 1134 | 0 | 4.6 | 0.0 | 0 | -377 | 19.2 | 0.0 | 0.0 | .9 | 2.2 |
| 7TH | 212.50 | 9.9 | 0.0 | 3102 | 0 | 3.2 | 0.0 | 0 | -28 | 14.0 | 0.0 | 0.0 | .3 | .3 |
| 8TH | 237.50 | 4.2 | 0.0 | 1625 | 0 | 2.6 | 0.0 | 0 | -0 | 4.2 | 0.0 | 0.0 | .0 | .0 |
| TOP | 255.25 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : EAST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | | | | | | | |
|--|--------|-----------------|-----|--------------|---|----------------|-----|------------|-----------------------------|--------------|-----|-----------------------|------------------|-----|
| WIND DIRECTION 79 | | CONFIGURATION D | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | | GUST FACTOR 1.30 | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | | | | | | | | | 122.3 | 0.0 | 0.0 | 18.1 | 7.4 |
| 2ND | 17.50 | 5.8 | 0.0 | 529 | 0 | 10.9 | 0.0 | 0 | -105 | 116.5 | 0.0 | 0.0 | 16.0 | 6.8 |
| 3RD | 40.00 | 8.4 | 0.0 | 681 | 0 | 12.4 | 0.0 | 0 | -69 | 108.1 | 0.0 | 0.0 | 13.5 | 6.1 |
| 4TH | 75.00 | 13.6 | 0.0 | 1059 | 0 | 12.8 | 0.0 | 0 | -84 | 94.5 | 0.0 | 0.0 | 9.9 | 4.9 |
| 5TH | 125.00 | 20.4 | 0.0 | 1513 | 0 | 13.5 | 0.0 | 0 | -81 | 74.1 | 0.0 | 0.0 | 5.7 | 3.3 |
| 6TH | 175.00 | 19.9 | 0.0 | 1513 | 0 | 13.2 | 0.0 | 0 | -85 | 54.2 | 0.0 | 0.0 | 2.8 | 1.4 |
| 7TH | 212.50 | 14.8 | 0.0 | 1134 | 0 | 13.1 | 0.0 | 0 | -92 | 39.4 | 0.0 | 0.0 | .8 | .2 |
| 8TH | 237.50 | 26.5 | 0.0 | 3102 | 0 | 8.5 | 0.0 | 0 | -8 | 12.9 | 0.0 | 0.0 | .1 | .0 |
| TOP | 255.25 | 12.9 | 0.0 | 1625 | 0 | 7.9 | 0.0 | 0 | -0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | EAST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | GUST FACTOR 1.30 | | | | |
|--------------------------------------|--------|---|-----|--------------|---|----------------|-----|------------|----|-----------------------------|-----|-----------------------|------|-----|
| WIND DIRECTION 90 | | CONFIGURATION D | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | | | | | | | | | 338.7 | 0.0 | 0.0 | 55.9 | .0 |
| 2ND | 17.50 | 10.1 | 0.0 | 529 | 0 | 19.0 | 0.0 | 0 | -0 | 328.6 | 0.0 | 0.0 | 50.1 | .0 |
| 3RD | 40.00 | 16.8 | 0.0 | 681 | 0 | 24.7 | 0.0 | 0 | -0 | 311.8 | 0.0 | 0.0 | 42.9 | .0 |
| 4TH | 75.00 | 32.3 | 0.0 | 1059 | 0 | 30.5 | 0.0 | 0 | -0 | 279.5 | 0.0 | 0.0 | 32.5 | .0 |
| 5TH | 125.00 | 47.3 | 0.0 | 1513 | 0 | 31.2 | 0.0 | 0 | -0 | 232.3 | 0.0 | 0.0 | 19.7 | .0 |
| 6TH | 175.00 | 46.4 | 0.0 | 1513 | 0 | 30.7 | 0.0 | 0 | -0 | 185.9 | 0.0 | 0.0 | 9.3 | .0 |
| 7TH | 212.50 | 36.0 | 0.0 | 1134 | 0 | 31.7 | 0.0 | 0 | -0 | 149.9 | 0.0 | 0.0 | 3.0 | .0 |
| 8TH | 237.50 | 98.4 | 0.0 | 3102 | 0 | 31.7 | 0.0 | 0 | -0 | 51.5 | 0.0 | 0.0 | .5 | .0 |
| TOP | 255.25 | 51.5 | 0.0 | 1625 | 0 | 31.7 | 0.0 | 0 | -0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | | | | | | | | | | | | EAST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | |
|--------------------------------------|--------|-----------------|-----|--------------|---|----------------|-----|-----------------------------|-----|--------------|------------------|-----------------------|---|------|--|
| WIND DIRECTION 105 | | CONFIGURATION D | | | | | | REFERENCE PRESSURE 21.0 PSF | | | GUST FACTOR 1.30 | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z | |
| 1ST | 0.00 | 5.8 | 0.0 | 529 | 0 | 10.9 | 0.0 | 0 | 105 | 215.9 | 0.0 | 0.0 | 39.9 | -7.4 | |
| 2ND | 17.50 | 8.4 | 0.0 | 681 | 0 | 12.4 | 0.0 | 0 | 88 | 210.1 | 0.0 | 0.0 | 36.2 | -6.8 | |
| 3RD | 40.00 | 13.6 | 0.0 | 1059 | 0 | 12.8 | 0.0 | 0 | 84 | 201.7 | 0.0 | 0.0 | 31.5 | -6.1 | |
| 4TH | 75.00 | 20.4 | 0.0 | 1513 | 0 | 13.5 | 0.0 | 0 | 81 | 188.1 | 0.0 | 0.0 | 24.7 | -4.9 | |
| 5TH | 125.00 | 19.9 | 0.0 | 1513 | 0 | 13.2 | 0.0 | 0 | 85 | 167.7 | 0.0 | 0.0 | 15.8 | -3.3 | |
| 6TH | 175.00 | 14.8 | 0.0 | 1134 | 0 | 13.1 | 0.0 | 0 | 91 | 147.7 | 0.0 | 0.0 | 7.9 | -1.6 | |
| 7TH | 212.50 | 86.3 | 0.0 | 3102 | 0 | 27.8 | 0.0 | 0 | 2 | 132.9 | 0.0 | 0.0 | 2.7 | -.2 | |
| 8TH | 237.50 | 46.6 | 0.0 | 1625 | 0 | 28.7 | 0.0 | 0 | -0 | 46.6 | 0.0 | 0.0 | .4 | -.0 | |
| TOP | 255.25 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : EAST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | | | | | | | |
|--|--------|-----------------|-----|--------------|---|----------------|-----|-----------------------------|-----|------------------|-----|-----------------------|------|-------|
| WIND DIRECTION 120 | | CONFIGURATION D | | | | | | REFERENCE PRESSURE 21.0 PSF | | GUST FACTOR 1.30 | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | | | | | | | | | 153.0 | 0.0 | 0.0 | 32.1 | -11.2 |
| 2ND | 17.50 | 2.6 | 0.0 | 529 | 0 | 5.0 | 0.0 | 0 | 317 | 150.4 | 0.0 | 0.0 | 29.4 | -10.4 |
| 3RD | 40.00 | 3.3 | 0.0 | 681 | 0 | 4.9 | 0.0 | 0 | 327 | 147.1 | 0.0 | 0.0 | 26.0 | -9.3 |
| 4TH | 75.00 | 4.7 | 0.0 | 1059 | 0 | 4.5 | 0.0 | 0 | 373 | 142.3 | 0.0 | 0.0 | 21.0 | -7.5 |
| 5TH | 125.00 | 5.9 | 0.0 | 1513 | 0 | 3.9 | 0.0 | 0 | 443 | 136.5 | 0.0 | 0.0 | 14.0 | -4.9 |
| 6TH | 175.00 | 5.6 | 0.0 | 1513 | 0 | 3.7 | 0.0 | 0 | 483 | 130.9 | 0.0 | 0.0 | 7.3 | -2.2 |
| 7TH | 212.50 | 5.2 | 0.0 | 1134 | 0 | 4.6 | 0.0 | 0 | 377 | 125.7 | 0.0 | 0.0 | 2.5 | -1.3 |
| 8TH | 237.50 | 81.3 | 0.0 | 3102 | 0 | 26.2 | 0.0 | 0 | 3 | 44.4 | 0.0 | 0.0 | .4 | -1.0 |
| TOP | 255.25 | 44.4 | 0.0 | 1625 | 0 | 27.3 | 0.0 | 0 | -0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

TABLE 7. SHEAR AND MOMENT DIAGRAMS 1
WIND DIRECTION 135

EAST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D
REFERENCE PRESSURE 21.0 PSF

GUST FACTOR 1.30

| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
|-------|--------|--------------|-----|--------------|---|----------------|-----|------------|------|--------------|-----|-----------------------|------|-------|
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | 1.3 | 0.0 | 529 | 0 | 2.5 | 0.0 | 0 | 681 | 135.0 | 0.0 | 0.0 | 29.5 | -12.2 |
| 2ND | 17.50 | 1.9 | 0.0 | 681 | 0 | 2.8 | 0.0 | 0 | 633 | 133.6 | 0.0 | 0.0 | 27.1 | -11.3 |
| 3RD | 40.00 | 3.1 | 0.0 | 1059 | 0 | 2.9 | 0.0 | 0 | 622 | 131.7 | 0.0 | 0.0 | 24.1 | -10.1 |
| 4TH | 75.00 | 2.8 | 0.0 | 1513 | 0 | 1.8 | 0.0 | 0 | 1032 | 128.6 | 0.0 | 0.0 | 19.6 | -8.2 |
| 5TH | 125.00 | 3.0 | 0.0 | 1513 | 0 | 2.0 | 0.0 | 0 | 957 | 125.9 | 0.0 | 0.0 | 13.2 | -5.3 |
| 6TH | 175.00 | 2.3 | 0.0 | 1134 | 0 | 2.1 | 0.0 | 0 | 907 | 122.9 | 0.0 | 0.0 | 7.0 | -2.4 |
| 7TH | 212.50 | 77.7 | 0.0 | 3102 | 0 | 25.0 | 0.0 | 0 | 4 | 120.5 | 0.0 | 0.0 | 2.4 | -1.3 |
| 8TH | 237.50 | 42.8 | 0.0 | 1625 | 0 | 26.4 | 0.0 | 0 | -0 | 42.8 | 0.0 | 0.0 | .4 | -1.0 |
| TOP | 255.25 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | | | | | | | | | | | | | |
|---|--------|---|-----|--------------|---|----------------|-----|------------------|-------|--------------|-----|-----------------------|------|-------|
| WIND DIRECTION 150 | | EAST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | GUST FACTOR 1.36 | | | | | | |
| CONFIGURATION D REFERENCE PRESSURE 21.0 PSF | | | | | | | | | | | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | | | | | | | | | 122.6 | 0.0 | 0.0 | 27.9 | -12.6 |
| 2ND | 17.50 | .3 | 0.0 | 529 | 0 | .7 | 0.0 | 0 | 2860 | 122.3 | 0.0 | 0.0 | 25.8 | -11.6 |
| 3RD | 40.00 | .8 | 0.0 | 681 | 0 | 1.2 | 0.0 | 0 | 1521 | 121.4 | 0.0 | 0.0 | 23.0 | -10.4 |
| 4TH | 75.00 | 1.6 | 0.0 | 1059 | 0 | 1.5 | 0.0 | 0 | 1224 | 119.9 | 0.0 | 0.0 | 18.8 | -8.5 |
| 5TH | 125.00 | .9 | 0.0 | 1513 | 0 | .6 | 0.0 | 0 | 3132 | 119.0 | 0.0 | 0.0 | 12.8 | -5.6 |
| 6TH | 175.00 | -.5 | 0.0 | 1513 | 0 | -.3 | 0.0 | 0 | -6197 | 119.4 | 0.0 | 0.0 | 6.9 | -2.5 |
| 7TH | 212.50 | .3 | 0.0 | 1134 | 0 | .3 | 0.0 | 0 | 7636 | 119.2 | 0.0 | 0.0 | 2.4 | -.4 |
| 8TH | 237.50 | 76.6 | 0.0 | 3102 | 0 | 24.7 | 0.0 | 0 | 5 | 42.6 | 0.0 | 0.0 | .4 | -.0 |
| TOP | 255.25 | 42.6 | 0.0 | 1625 | 0 | 26.2 | 0.0 | 0 | -0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | EAST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | GUST FACTOR 1.30 | | | | |
|--------------------------------------|--------|---|-----|--------------|---|----------------|-----|-------------|---|-----------------------------|-----|-----------------------|------|-------|
| WIND DIRECTION 163 | | CONFIGURATION D | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | | | | | | | | | 94.4 | 0.0 | 0.0 | 22.6 | -11.7 |
| 2ND | 17.50 | -1.5 | 0.0 | 529 | 0 | -1.0 | 0.0 | 0-1760 | | 94.9 | 0.0 | 0.0 | 21.0 | -10.8 |
| 3RD | 40.00 | -1.1 | 0.0 | 681 | 0 | -1.1 | 0.0 | 0\$\$\$\$\$ | | 95.0 | 0.0 | 0.0 | 18.8 | -9.6 |
| 4TH | 75.00 | .1 | 0.0 | 1059 | 0 | .1 | 0.0 | 031527 | | 94.9 | 0.0 | 0.0 | 15.5 | -7.9 |
| 5TH | 125.00 | -1.9 | 0.0 | 1313 | 0 | -1.3 | 0.0 | 0-1431 | | 96.8 | 0.0 | 0.0 | 10.7 | -5.1 |
| 6TH | 175.00 | -2.6 | 0.0 | 1513 | 0 | -1.8 | 0.0 | 0-1042 | | 99.5 | 0.0 | 0.0 | 5.8 | -2.4 |
| 7TH | 212.50 | -2.1 | 0.0 | 1134 | 0 | -1.9 | 0.0 | 0 -951 | | 101.6 | 0.0 | 0.0 | 2.1 | -1.4 |
| 8TH | 237.50 | 65.0 | 0.0 | 3102 | 0 | 21.0 | 0.0 | 0 6 | | 36.6 | 0.0 | 0.0 | .3 | -1.0 |
| TOP | 255.25 | 36.6 | 0.0 | 1625 | 0 | 22.5 | 0.0 | 0 -0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | | | | | | | | | | | | | |
|---|--------|---|-----|--------------|---|----------------|-----|------------|------------------|--------------|-----|-----------------------|------|-------|
| WIND DIRECTION 180 | | EAST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | GUST FACTOR 1.30 | | | | | |
| CONFIGURATION D REFERENCE PRESSURE 21.0 PSF | | | | | | | | | | | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | | | | | | | | | 93.0 | 0.0 | 0.0 | 21.7 | -10.8 |
| 2ND | 17.50 | .2 | 0.0 | 529 | 0 | .3 | 0.0 | 0 | 5347 | 92.9 | 0.0 | 0.0 | 20.1 | -10.0 |
| 3RD | 40.00 | .5 | 0.0 | 681 | 0 | .7 | 0.0 | 0 | 2219 | 92.4 | 0.0 | 0.0 | 18.0 | -8.9 |
| 4TH | 75.00 | .4 | 0.0 | 1059 | 0 | .4 | 0.0 | 0 | 3679 | 92.0 | 0.0 | 0.0 | 14.8 | -7.3 |
| 5TH | 125.00 | -1.8 | 0.0 | 1513 | 0 | -1.5 | 0.0 | 0 | -3014 | 92.8 | 0.0 | 0.0 | 10.1 | -4.9 |
| 6TH | 175.00 | -1.3 | 0.0 | 1513 | 0 | -1.8 | 0.0 | 0 | -2095 | 94.0 | 0.0 | 0.0 | 5.5 | -2.3 |
| 7TH | 212.50 | -1.2 | 0.0 | 1134 | 0 | -1.1 | 0.0 | 0 | -1616 | 95.2 | 0.0 | 0.0 | 1.9 | -1.4 |
| 8TH | 237.50 | 60.9 | 0.0 | 3102 | 0 | 19.6 | 0.0 | 0 | 6 | 34.4 | 0.0 | 0.0 | .3 | -1.0 |
| TOP | 255.25 | 34.4 | 0.0 | 1625 | 0 | 21.2 | 0.0 | 0 | -0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | | | | | | | | | | | | EAST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | |
|--------------------------------------|--------|-----------------|-----|--------------|---|----------------|-----|-----------------------------|-----|--------------|------------------|-----------------------|---|------|--|
| WIND DIRECTION 195 | | CONFIGURATION D | | | | | | REFERENCE PRESSURE 21.0 PSF | | | GUST FACTOR 1.30 | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z | |
| 1ST | 0.00 | .8 | 0.0 | 529 | 0 | 1.5 | 0.0 | 0 | 806 | 109.6 | 0.0 | 0.0 | 23.9 | -8.8 | |
| 2ND | 17.50 | 1.1 | 0.0 | 681 | 0 | 1.6 | 0.0 | 0 | 744 | 108.7 | 0.0 | 0.0 | 22.0 | -8.2 | |
| 3RD | 40.00 | 2.3 | 0.0 | 1059 | 0 | 2.1 | 0.0 | 0 | 583 | 107.7 | 0.0 | 0.0 | 19.5 | -7.4 | |
| 4TH | 75.00 | 3.4 | 0.0 | 1513 | 0 | 2.3 | 0.0 | 0 | 562 | 105.4 | 0.0 | 0.0 | 15.8 | -6.1 | |
| 5TH | 125.00 | 3.6 | 0.0 | 1513 | 0 | 2.4 | 0.0 | 0 | 594 | 102.0 | 0.0 | 0.0 | 10.6 | -4.1 | |
| 6TH | 175.00 | 1.7 | 0.0 | 1134 | 0 | 1.5 | 0.0 | 0 | 958 | 98.4 | 0.0 | 0.0 | 5.6 | -2.0 | |
| 7TH | 212.50 | 61.9 | 0.0 | 3102 | 0 | 20.0 | 0.0 | 0 | 5 | 96.6 | 0.0 | 0.0 | 1.9 | -.3 | |
| 8TH | 237.50 | 34.7 | 0.0 | 1625 | 0 | 21.3 | 0.0 | 0 | -0 | 34.7 | 0.0 | 0.0 | .3 | -.0 | |
| TGP | 255.25 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

TABLE 7. SHEAR AND MOMENT DIAGRAMS :
WIND DIRECTION 210

EAST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D
REFERENCE PRESSURE 21.0 PSF

GUST FACTOR 1.30

| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
|-------|--------|--------------|-----|--------------|---|----------------|-----|------------|-----|--------------|-----|-----------------------|------|------|
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | 3.6 | 0.0 | 529 | 0 | 6.8 | 0.0 | 0 | 154 | 163.0 | 0.0 | 0.0 | 31.8 | -7.5 |
| 2ND | 17.50 | 4.6 | 0.0 | 681 | 0 | 6.8 | 0.0 | 0 | 149 | 159.4 | 0.0 | 0.0 | 29.0 | -7.0 |
| 3RD | 40.00 | 7.4 | 0.0 | 1059 | 0 | 7.0 | 0.0 | 0 | 145 | 154.8 | 0.0 | 0.0 | 25.5 | -6.3 |
| 4TH | 75.00 | 12.9 | 0.0 | 1513 | 0 | 8.5 | 0.0 | 0 | 130 | 147.4 | 0.0 | 0.0 | 20.2 | -5.2 |
| 5TH | 125.00 | 12.1 | 0.0 | 1513 | 0 | 8.0 | 0.0 | 0 | 154 | 134.5 | 0.0 | 0.0 | 13.1 | -3.5 |
| 6TH | 175.00 | 9.0 | 0.0 | 1134 | 0 | 7.9 | 0.0 | 0 | 159 | 122.4 | 0.0 | 0.0 | 6.7 | -1.7 |
| 7TH | 212.50 | 73.2 | 0.0 | 3102 | 0 | 23.6 | 0.0 | 0 | 4 | 113.4 | 0.0 | 0.0 | 2.3 | -0.3 |
| 8TH | 237.50 | 40.2 | 0.0 | 1625 | 0 | 24.7 | 0.0 | 0 | -0 | 40.2 | 0.0 | 0.0 | .4 | -0.0 |
| TOT | 255.25 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

TABLE 7. SHEAR AND MOMENT DIAGRAMS I EAST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D
WIND DIRECTION 225 CONFIGURATION D REFERENCE PRESSURE 21.0 PSF

| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | GUST FACTOR 1.30 MOMENT (1000-FT-KIPS) | | |
|-------|--------|--------------|-----|--------------|---|----------------|-----|------------|----|--------------|-----|---|------|------|
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | | | | | | | | | 216.0 | 0.0 | 0.0 | 39.2 | -5.6 |
| 2ND | 17.50 | 6.8 | 0.0 | 529 | 0 | 12.9 | 0.0 | 0 | 62 | 209.2 | 0.0 | 0.0 | 35.5 | -5.2 |
| 3RD | 40.00 | 9.1 | 0.0 | 681 | 0 | 13.4 | 0.0 | 0 | 60 | 200.1 | 0.0 | 0.0 | 30.9 | -4.6 |
| 4TH | 75.00 | 14.3 | 0.0 | 1059 | 0 | 13.5 | 0.0 | 0 | 59 | 185.8 | 0.0 | 0.0 | 24.1 | -3.8 |
| 5TH | 125.00 | 21.4 | 0.0 | 1513 | 0 | 14.1 | 0.0 | 0 | 60 | 164.4 | 0.0 | 0.0 | 15.4 | -2.5 |
| 6TH | 175.00 | 29.5 | 0.0 | 1513 | 0 | 13.5 | 0.0 | 0 | 66 | 143.9 | 0.0 | 0.0 | 7.7 | -1.1 |
| 7TH | 212.50 | 16.1 | 0.0 | 1134 | 0 | 14.2 | 0.0 | 0 | 60 | 127.9 | 0.0 | 0.0 | 2.6 | -.2 |
| 8TH | 237.50 | 83.1 | 0.0 | 3102 | 0 | 26.8 | 0.0 | 0 | 2 | 44.7 | 0.0 | 0.0 | .4 | -.0 |
| TOP | 255.25 | 44.7 | 0.0 | 1625 | 0 | 27.5 | 0.0 | 0 | -0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | | | | | | | | | | | | EAST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | |
|--------------------------------------|--------|--------------|-----|--------------|---|----------------|-----|------------|----|--------------|-----|-----------------------|---|------|--|-----------------------------|--|--|------------------|--|--|
| WIND DIRECTION 240 | | | | | | | | | | | | | CONFIGURATION D | | | REFERENCE PRESSURE 21.0 PSF | | | GUST FACTOR 1.30 | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | | | | | | | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | | | | | | |
| 1ST | 0.00 | 8.8 | 0.0 | 529 | 0 | 16.5 | 0.0 | 0 | 31 | 237.8 | 0.0 | 0.0 | 41.3 | -3.3 | | | | | | | |
| 2ND | 17.50 | 11.3 | 0.0 | 681 | 0 | 16.7 | 0.0 | 0 | 30 | 229.1 | 0.0 | 0.0 | 37.2 | -3.1 | | | | | | | |
| 3RD | 40.00 | 17.8 | 0.0 | 1059 | 0 | 16.8 | 0.0 | 0 | 30 | 217.7 | 0.0 | 0.0 | 32.2 | -2.7 | | | | | | | |
| 4TH | 75.00 | 26.7 | 0.0 | 1513 | 0 | 17.7 | 0.0 | 0 | 29 | 199.9 | 0.0 | 0.0 | 24.9 | -2.2 | | | | | | | |
| 5TH | 125.00 | 26.5 | 0.0 | 1513 | 0 | 17.5 | 0.0 | 0 | 34 | 173.2 | 0.0 | 0.0 | 15.6 | -1.4 | | | | | | | |
| 6TH | 175.00 | 22.0 | 0.0 | 1134 | 0 | 19.4 | 0.0 | 0 | 22 | 146.7 | 0.0 | 0.0 | 7.6 | -0.5 | | | | | | | |
| 7TH | 212.50 | 81.6 | 0.0 | 3102 | 0 | 26.3 | 0.0 | 0 | 1 | 124.7 | 0.0 | 0.0 | 2.5 | -0 | | | | | | | |
| 8TH | 237.50 | 43.1 | 0.0 | 1625 | 0 | 26.3 | 0.0 | 0 | -0 | 43.1 | 0.0 | 0.0 | .4 | -0 | | | | | | | |
| TOP | 255.25 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | | | |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | | | | | | | | | | | | | |
|--------------------------------------|--------|---|-----|--------------|---|----------------|-----|------------|----|--------------|-----|-----------------------------|------|------|
| WIND DIRECTION 235 | | EAST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | | | GUST FACTOR 1.30 | | |
| | | CONFIGURATION D | | | | | | | | | | REFERENCE PRESSURE 21.0 PSF | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | 8.6 | 0.0 | 329 | 0 | 16.3 | 0.0 | 0 | 13 | 220.4 | 0.0 | 0.0 | 37.2 | -1.2 |
| 2ND | 17.50 | 11.4 | 0.0 | 681 | 0 | 16.7 | 0.0 | 0 | 11 | 211.8 | 0.0 | 0.0 | 33.4 | -1.1 |
| 3RD | 40.00 | 17.9 | 0.0 | 1059 | 0 | 16.9 | 0.0 | 0 | 13 | 200.4 | 0.0 | 0.0 | 28.8 | -1.0 |
| 4TH | 75.00 | 26.8 | 0.0 | 1513 | 0 | 17.7 | 0.0 | 0 | 13 | 182.5 | 0.0 | 0.0 | 22.1 | -.8 |
| 5TH | 125.00 | 26.5 | 0.0 | 1513 | 0 | 17.5 | 0.0 | 0 | 13 | 155.7 | 0.0 | 0.0 | 13.7 | -.4 |
| 6TH | 175.00 | 22.7 | 0.0 | 1134 | 0 | 20.0 | 0.0 | 0 | 3 | 129.2 | 0.0 | 0.0 | 6.5 | -.1 |
| 7TH | 212.50 | 69.9 | 0.0 | 3102 | 0 | 22.3 | 0.0 | 0 | -0 | 106.3 | 0.0 | 0.0 | 2.1 | .0 |
| 8TH | 237.50 | 36.6 | 0.0 | 1625 | 0 | 22.3 | 0.0 | 0 | -0 | 36.6 | 0.0 | 0.0 | .3 | .0 |
| TOP | 255.25 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

TABLE 7. SHEAR AND MOMENT DIAGRAMS I
WIND DIRECTION 270

EAST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D
REFERENCE PRESSURE 21.0 PSF

GUST FACTOR 1.30

| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
|-------|--------|--------------|-----|--------------|---|----------------|-----|------------|----|--------------|-----|-----------------------|------|-----|
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | 7.2 | 0.0 | 529 | 0 | 13.7 | 0.0 | 0 | -0 | 193.5 | 0.0 | 0.0 | 32.4 | .0 |
| 2ND | 17.50 | 10.1 | 0.0 | 681 | 0 | 14.8 | 0.0 | 0 | -0 | 186.3 | 0.0 | 0.0 | 29.1 | .0 |
| 3RD | 40.00 | 16.0 | 0.0 | 1059 | 0 | 15.1 | 0.0 | 0 | -0 | 176.2 | 0.0 | 0.0 | 25.0 | .0 |
| 4TH | 75.00 | 23.8 | 0.0 | 1513 | 0 | 15.7 | 0.0 | 0 | -0 | 160.2 | 0.0 | 0.0 | 19.2 | .0 |
| 5TH | 125.00 | 25.8 | 0.0 | 1513 | 0 | 17.1 | 0.0 | 0 | -0 | 136.4 | 0.0 | 0.0 | 11.7 | .0 |
| 6TH | 175.00 | 20.3 | 0.0 | 1134 | 0 | 17.9 | 0.0 | 0 | -0 | 110.6 | 0.0 | 0.0 | 5.6 | .0 |
| 7TH | 212.50 | 59.3 | 0.0 | 3102 | 0 | 19.1 | 0.0 | 0 | 0 | 90.4 | 0.0 | 0.0 | 1.8 | -0 |
| 8TH | 237.50 | 31.1 | 0.0 | 1625 | 0 | 19.1 | 0.0 | 0 | -0 | 31.1 | 0.0 | 0.0 | .3 | .0 |
| TOP | 255.25 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | | | | | | | | | | | | | |
|--------------------------------------|--------|---|-----|--------------|---|-----------------------------|-----|------------|-----|--------------|-----|-----------------------|------|-----|
| WIND DIRECTION 285 | | EAST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION 0 | | | | | | | | | | GUST FACTOR 1.30 | | |
| | | CONFIGURATION 0 | | | | REFERENCE PRESSURE 21.0 PSF | | | | | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | 8.6 | 0.0 | 329 | 0 | 16.3 | 0.0 | 0 | -15 | 230.4 | 0.0 | 0.0 | 39.5 | 1.2 |
| 2ND | 17.50 | 11.4 | 0.0 | 601 | 0 | 16.7 | 0.0 | 0 | -11 | 221.7 | 0.0 | 0.0 | 35.6 | 1.1 |
| 3RD | 40.00 | 17.9 | 0.0 | 1059 | 0 | 16.9 | 0.0 | 0 | -13 | 210.3 | 0.0 | 0.0 | 30.7 | 1.0 |
| 4TH | 75.00 | 26.8 | 0.0 | 1513 | 0 | 17.7 | 0.0 | 0 | -13 | 192.5 | 0.0 | 0.0 | 23.7 | .8 |
| 5TH | 125.00 | 26.5 | 0.0 | 1513 | 0 | 17.5 | 0.0 | 0 | -13 | 165.7 | 0.0 | 0.0 | 14.7 | .4 |
| 6TH | 175.00 | 22.7 | 0.0 | 1134 | 0 | 20.0 | 0.0 | 0 | -3 | 139.1 | 0.0 | 0.0 | 7.1 | .1 |
| 7TH | 212.50 | 76.3 | 0.0 | 3102 | 0 | 24.6 | 0.0 | 0 | 0 | 116.5 | 0.0 | 0.0 | 2.3 | -.0 |
| 8TH | 237.50 | 40.2 | 0.0 | 1625 | 0 | 24.6 | 0.0 | 0 | 0 | 40.2 | 0.0 | 0.0 | .4 | .0 |
| TOP | 255.25 | | | | | 24.7 | 0.0 | 0 | -0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : EAST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | | | | | | | |
|--|--------|-----------------|-----|--------------|---|----------------|-----|-----------------------------|-----|--------------|------------------|-----------------------|------|-----|
| WIND DIRECTION 300 | | CONFIGURATION D | | | | | | REFERENCE PRESSURE 21.0 PSF | | | GUST FACTOR 1.30 | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | 8.8 | 0.0 | 529 | 0 | 16.5 | 0.0 | 0 | -31 | 210.4 | 0.0 | 0.0 | 34.9 | 3.3 |
| 2ND | 17.50 | 11.3 | 0.0 | 681 | 0 | 16.7 | 0.0 | 0 | -30 | 201.7 | 0.0 | 0.0 | 31.3 | 3.1 |
| 3RD | 40.00 | 17.8 | 0.0 | 1059 | 0 | 16.8 | 0.0 | 0 | -30 | 190.4 | 0.0 | 0.0 | 26.9 | 2.7 |
| 4TH | 75.00 | 26.7 | 0.0 | 1513 | 0 | 17.7 | 0.0 | 0 | -29 | 172.5 | 0.0 | 0.0 | 20.6 | 2.2 |
| 5TH | 125.00 | 26.5 | 0.0 | 1513 | 0 | 17.5 | 0.0 | 0 | -34 | 145.8 | 0.0 | 0.0 | 12.6 | 1.4 |
| 6TH | 175.00 | 22.0 | 0.0 | 1134 | 0 | 19.4 | 0.0 | 0 | -22 | 119.3 | 0.0 | 0.0 | 6.0 | .5 |
| 7TH | 212.50 | 64.1 | 0.0 | 3102 | 0 | 20.7 | 0.0 | 0 | -1 | 97.3 | 0.0 | 0.0 | 1.9 | .0 |
| 8TH | 237.50 | 33.2 | 0.0 | 1625 | 0 | 20.5 | 0.0 | 0 | -0 | 33.2 | 0.0 | 0.0 | .3 | .0 |
| TOP | 255.25 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : EAST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | | | | | | | | |
|--|--------|-----------------|-----|--------------|---|----------------|-----|------------|-----|--------------|-----|-----------------------|------|-----|
| WIND DIRECTION 315 | | CONFIGURATION D | | | | | | | | | | GUST FACTOR 1.30 | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | 6.8 | 0.0 | 529 | 0 | 12.9 | 0.0 | 0 | -62 | 130.4 | 0.0 | 0.0 | 19.3 | 5.6 |
| 2ND | 17.50 | 9.1 | 0.0 | 681 | 0 | 13.4 | 0.0 | 0 | -60 | 123.6 | 0.0 | 0.0 | 17.1 | 5.2 |
| 3RD | 40.00 | 14.3 | 0.0 | 1099 | 0 | 13.5 | 0.0 | 0 | -59 | 114.5 | 0.0 | 0.0 | 14.4 | 4.6 |
| 4TH | 75.00 | 21.4 | 0.0 | 1513 | 0 | 14.1 | 0.0 | 0 | -60 | 100.2 | 0.0 | 0.0 | 10.6 | 3.8 |
| 5TH | 125.00 | 20.9 | 0.0 | 1513 | 0 | 13.5 | 0.0 | 0 | -66 | 78.8 | 0.0 | 0.0 | 6.1 | 2.5 |
| 6TH | 175.00 | 16.1 | 0.0 | 1134 | 0 | 14.2 | 0.0 | 0 | -60 | 58.4 | 0.0 | 0.0 | 2.7 | 1.1 |
| 7TH | 212.50 | 28.4 | 0.0 | 3102 | 0 | 9.2 | 0.0 | 0 | -6 | 42.3 | 0.0 | 0.0 | .8 | .2 |
| 8TH | 237.50 | 13.9 | 0.0 | 1625 | 0 | 8.5 | 0.0 | 0 | -0 | 13.9 | 0.0 | 0.0 | .1 | .0 |
| TOP | 255.25 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAM 1 | | EAST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | | GUST FACTOR 1.30 | | | | | |
|-------------------------------------|--------|---|-----|--------------|---|----------------|-----|------------|-----------------------------|--------------|-----|-----------------------|------|-----|
| WIND DIRECTION 330 | | CONFIGURATION D | | | | | | | REFERENCE PRESSURE 21.0 PSF | | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | Z | | |
| 1ST | 0.00 | | | | | | | | | 26.7 | 0.0 | 0.0 | .1 | 7.5 |
| 2ND | 17.50 | 3.6 | 0.0 | 529 | 0 | 6.8 | 0.0 | 0 | -154 | 23.1 | 0.0 | 0.0 | -.4 | 7.0 |
| 3RD | 40.00 | 4.6 | 0.0 | 691 | 0 | 6.8 | 0.0 | 0 | -149 | 18.5 | 0.0 | 0.0 | -.8 | 6.3 |
| 4TH | 75.00 | 7.4 | 0.0 | 1059 | 0 | 7.0 | 0.0 | 0 | -145 | 11.0 | 0.0 | 0.0 | -1.3 | 5.2 |
| 5TH | 125.00 | 12.9 | 0.0 | 1513 | 0 | 8.5 | 0.0 | 0 | -130 | -1.9 | 0.0 | 0.0 | -1.6 | 3.5 |
| 6TH | 175.00 | 12.1 | 0.0 | 1513 | 0 | 8.0 | 0.0 | 0 | -154 | -13.9 | 0.0 | 0.0 | -1.2 | 1.7 |
| 7TH | 212.50 | 9.0 | 0.0 | 1134 | 0 | 7.9 | 0.0 | 0 | -159 | -22.9 | 0.0 | 0.0 | -.5 | .3 |
| 8TH | 237.50 | -13.9 | 0.0 | 3102 | 0 | -4.5 | 0.0 | 0 | 19 | -9.0 | 0.0 | 0.0 | -.1 | .0 |
| TOP | 255.25 | -9.0 | 0.0 | 1623 | 0 | -5.5 | 0.0 | 0 | -0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| TABLE 7. SHEAR AND MOMENT DIAGRAMS : | | | | | | | | | | | | | | |
|--------------------------------------|--------|---|-----|--------------|---|----------------|-----|------------------|------|--------------|-----|-----------------------|-------|-----|
| WIND DIRECTION 345 | | EAST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D | | | | | | GUST FACTOR 1.30 | | | | | | |
| CONFIGURATION D | | | | | | | | | | | | | | |
| FLOOR | HEIGHT | FORCE (KIPS) | | AREA (SQ FT) | | PRESSURE (PSF) | | ECCEN (FT) | | SHEAR (KIPS) | | MOMENT (1000-FT-KIPS) | | |
| | | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y | Z |
| 1ST | 0.00 | .8 | 0.0 | 529 | 0 | 1.5 | 0.0 | 0 | -806 | -68.2 | 0.0 | 0.0 | -17.5 | 8.8 |
| 2ND | 17.50 | 1.1 | 0.0 | 681 | 0 | 1.6 | 0.0 | 0 | -745 | -69.0 | 0.0 | 0.0 | -16.3 | 8.2 |
| 3RD | 40.00 | 2.3 | 0.0 | 1059 | 0 | 2.1 | 0.0 | 0 | -581 | -70.1 | 0.0 | 0.0 | -14.7 | 7.4 |
| 4TH | 75.00 | 3.4 | 0.0 | 1513 | 0 | 2.3 | 0.0 | 0 | -562 | -72.3 | 0.0 | 0.0 | -12.2 | 6.1 |
| 5TH | 125.00 | 3.6 | 0.0 | 1513 | 0 | 2.4 | 0.0 | 0 | -593 | -75.8 | 0.0 | 0.0 | -8.5 | 4.1 |
| 6TH | 175.00 | 1.7 | 0.0 | 1134 | 0 | 1.5 | 0.0 | 0 | -957 | -79.4 | 0.0 | 0.0 | -4.7 | 2.0 |
| 7TH | 212.50 | -51.7 | 0.0 | 3102 | 0 | -16.7 | 0.0 | 0 | 6 | -81.1 | 0.0 | 0.0 | -1.6 | .3 |
| 8TH | 237.50 | -29.4 | 0.0 | 1625 | 0 | -18.1 | 0.0 | 0 | -0 | -29.4 | 0.0 | 0.0 | -.3 | .0 |
| TOP | 255.25 | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

TABLE 7. EAST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D
 PROJECT 6082 CONFIGURATION D
 SCALE = 100 REF. PRESSURE = 21.0
 GUST FACTOR = 1.30 STANDARD FLOOR HEIGHT = 50.00
 NUMBER OF SIDES = 1 NO. OF FLOORS = 8

| SIDE | ANGLE | Z-AXIS |
|------|-------|--------|
| 1 | 0.0 | 10.020 |

| FLOOR # | LABEL | HEIGHT-FT |
|---------|-------|-----------|
| 1 | 1ST | 17.50 |
| 2 | 2ND | 22.50 |
| 3 | 3RD | 35.00 |
| 4 | 4TH | 50.00 |
| 5 | 5TH | 50.00 |
| 6 | 6TH | 37.50 |
| 7 | 7TH | 25.00 |
| 8 | 8TH | 17.75 |

TABLE B. ANSI 1972 EQUIVALENT LOCAL PEAK PRESSURE COEFFICIENTS :
CONFIGURATION A

SHUTTLE ASSEMBLY BUILDING-VANDENBERG

| TAP | AZI- MUTH | ANSCPP | TAP | AZI- MUTH | ANSCPP | TAP | AZI- MUTH | ANSCPP | TAP | AZI- MUTH | ANSCPP | TAP | AZI- MUTH | ANSCPP |
|-----|--------------|--------|-----|--------------|--------|-----|--------------|--------|------|--------------|--------|------|--------------|--------|
| 101 | 330 | -1.66 | 225 | 75 | -1.21 | 273 | 90 | -1.97 | 920 | 315 | -1.54 | 1235 | 0 | -1.75 |
| 102 | 345 | -1.36 | 226 | 90 | -1.10 | 301 | 15 | -1.12 | 921 | 300 | -1.76 | 1236 | 0 | -1.84 |
| 103 | 165 | -1.15 | 227 | 330 | -1.03 | 302 | 30 | -1.46 | 922 | 300 | -1.62 | 1239 | 0 | -1.02 |
| 104 | 165 | -1.19 | 228 | 0 | -1.19 | 303 | 150 | -1.11 | 923 | 330 | -1.08 | 1240 | 0 | -1.87 |
| 105 | 45 | -1.21 | 229 | 0 | -1.20 | 304 | 30 | -1.17 | 924 | 15 | -1.35 | 1241 | 0 | -1.88 |
| 106 | 165 | -1.23 | 230 | 270 | -1.11 | 305 | 30 | -1.21 | 925 | 90 | -1.34 | 1242 | 0 | -1.91 |
| 107 | 330 | -1.64 | 231 | 270 | -1.09 | 306 | 30 | -1.20 | 926 | 45 | -1.32 | 1243 | 0 | -1.93 |
| 108 | 45 | -1.04 | 232 | 75 | -1.05 | 307 | 45 | -1.45 | 927 | 30 | -1.14 | 1244 | 0 | -1.86 |
| 109 | 90 | -1.02 | 233 | 75 | -1.88 | 308 | 180 | -1.31 | 928 | 60 | -1.83 | 1245 | 0 | -1.96 |
| 110 | 195 | -1.08 | 234 | 90 | -1.07 | 309 | 150 | -1.31 | 929 | 300 | -1.29 | 1248 | 0 | -1.10 |
| 111 | 330 | -1.21 | 235 | 90 | -1.15 | 310 | 30 | -1.82 | 930 | 60 | -1.56 | 1249 | 0 | -1.17 |
| 112 | 45 | -1.22 | 236 | 90 | -1.28 | 311 | 180 | -1.82 | 931 | 60 | -1.93 | 1250 | 0 | -1.02 |
| 113 | 15 | -1.21 | 237 | 0 | -1.23 | 312 | 180 | -2.29 | 932 | 0 | -1.20 | 1251 | 240 | -1.05 |
| 114 | 0 | -1.21 | 238 | 270 | -1.40 | 313 | 15 | -1.80 | 933 | 180 | -1.01 | 1252 | 0 | -1.04 |
| 115 | 330 | -1.52 | 239 | 270 | -1.36 | 314 | 180 | -1.54 | 934 | 30 | -1.08 | 1253 | 0 | -1.07 |
| 116 | 330 | -1.13 | 240 | 270 | -1.04 | 401 | 0 | -1.32 | 935 | 105 | -1.13 | 1254 | 0 | -1.23 |
| 120 | 330 | -1.21 | 241 | 60 | -1.14 | 402 | 15 | -1.26 | 936 | 75 | -1.31 | 1257 | 0 | -1.47 |
| 121 | 330 | -1.37 | 242 | 75 | -1.19 | 403 | 300 | -1.08 | 937 | 345 | -1.40 | 1258 | 0 | -1.31 |
| 125 | 330 | -1.59 | 243 | 90 | -1.46 | 404 | 0 | -1.20 | 938 | 345 | -1.31 | 1259 | 180 | -1.09 |
| 126 | 165 | -1.58 | 244 | 90 | -1.42 | 405 | 180 | -1.01 | 939 | 225 | -1.33 | 1260 | 240 | -1.07 |
| 130 | 330 | -2.21 | 245 | 105 | -1.16 | 501 | 0 | -2.01 | 940 | 60 | -1.99 | 1261 | 0 | -1.12 |
| 131 | 210 | -1.43 | 246 | 90 | -1.23 | 502 | 45 | -1.63 | 941 | 240 | -1.29 | 1262 | 0 | -1.26 |
| 135 | 0 | -1.88 | 247 | 270 | -1.70 | 503 | 45 | -1.74 | 942 | 255 | -1.86 | 1263 | 0 | -1.31 |
| 136 | 345 | -2.14 | 248 | 270 | -1.83 | 504 | 330 | -2.23 | 943 | 285 | -1.77 | 1266 | 0 | -1.15 |
| 201 | 75 | -1.19 | 249 | 270 | -1.51 | 505 | 0 | -1.16 | 944 | 75 | -1.57 | 1267 | 0 | -1.08 |
| 202 | 255 | -1.47 | 250 | 285 | -1.34 | 506 | 60 | -1.40 | 945 | 120 | -1.97 | 1268 | 240 | -1.17 |
| 203 | 285 | -1.32 | 251 | 75 | -1.33 | 507 | 270 | -1.63 | 946 | 135 | -1.24 | 1269 | 0 | -1.13 |
| 204 | 225 | -1.99 | 252 | 75 | -2.21 | 508 | 45 | -2.10 | 1107 | 180 | -1.86 | 1270 | 240 | -1.14 |
| 205 | 90 | -1.25 | 253 | 90 | -1.84 | 509 | 45 | -2.25 | 1108 | 180 | -1.85 | 1271 | 0 | -1.36 |
| 206 | 90 | -1.34 | 254 | 90 | -1.76 | 901 | 315 | -2.15 | 1109 | 210 | -1.75 | 1272 | 15 | -1.56 |
| 207 | 345 | -1.07 | 255 | 90 | -2.92 | 902 | 300 | -1.72 | 1110 | 0 | -1.83 | 1303 | 180 | -1.95 |
| 208 | 90 | -1.15 | 256 | 270 | -2.30 | 903 | 15 | -1.81 | 1111 | 210 | -1.91 | 1305 | 0 | -1.82 |
| 209 | 150 | -1.68 | 257 | 270 | -1.88 | 904 | 285 | -1.75 | 1116 | 195 | -1.96 | 1307 | 180 | -1.94 |
| 210 | 75 | -1.17 | 258 | 285 | -2.06 | 905 | 270 | -1.41 | 1121 | 180 | -1.99 | 1309 | 180 | -1.07 |
| 211 | 285 | -1.09 | 259 | 285 | -1.40 | 906 | 45 | -1.90 | 1126 | 180 | -1.32 | 1311 | 180 | -1.22 |
| 212 | 285 | -1.39 | 260 | 75 | -1.42 | 907 | 45 | -2.12 | 1136 | 195 | -1.24 | 1313 | 180 | -1.64 |
| 213 | 285 | -1.29 | 261 | 75 | -1.71 | 908 | 45 | -1.75 | 1221 | 300 | -1.80 | 1911 | 180 | -1.71 |
| 214 | 90 | -1.11 | 262 | 75 | -2.28 | 909 | 30 | -2.18 | 1222 | 0 | -1.79 | 1913 | 180 | -1.65 |
| 215 | 90 | -1.04 | 263 | 90 | -1.54 | 910 | 315 | -2.38 | 1223 | 180 | -1.71 | 1914 | 0 | -1.75 |
| 216 | 270 | -1.05 | 264 | 90 | -1.95 | 911 | 285 | -1.56 | 1224 | 0 | -1.74 | 1915 | 180 | -1.73 |
| 217 | 90 | -1.25 | 265 | 75 | -1.78 | 912 | 60 | -1.64 | 1225 | 0 | -1.82 | 1916 | 180 | -1.73 |
| 218 | 90 | -1.28 | 266 | 270 | -2.05 | 913 | 15 | -1.34 | 1226 | 0 | -1.80 | 1917 | 180 | -1.78 |
| 219 | 285 | -1.02 | 267 | 285 | -1.52 | 914 | 285 | -1.32 | 1227 | 0 | -1.83 | 1918 | 0 | -1.80 |
| 220 | 285 | -1.97 | 268 | 285 | -1.43 | 915 | 45 | -1.31 | 1230 | 345 | -1.88 | 1921 | 0 | -1.84 |
| 221 | 255 | -1.16 | 269 | 75 | -1.40 | 916 | 45 | -1.45 | 1231 | 0 | -1.85 | 1923 | 195 | -1.78 |
| 222 | 270 | -1.97 | 270 | 75 | -1.68 | 917 | 45 | -2.25 | 1232 | 0 | -1.78 | 1924 | 0 | -1.74 |
| 223 | 285 | -1.94 | 271 | 90 | -2.12 | 918 | 45 | -2.16 | 1233 | 0 | -1.75 | 1925 | 0 | -1.72 |
| 224 | 75 | -1.97 | 272 | 90 | -1.65 | 919 | 30 | -1.74 | 1234 | 0 | -1.84 | 1926 | 180 | -1.73 |

TABLE 8. ANSI 1972 EQUIVALENT LOCAL PEAK PRESSURE COEFFICIENTS :
CONFIGURATION A

| TAP | AZI- MUTH | ANSCPP | TAP | AZI- MUTH | ANSCPP | TAP | AZI- MUTH | ANSCPP |
|------|--------------|--------|------|--------------|--------|------|--------------|--------|
| 1927 | 0 | -.78 | 1933 | 0 | -.78 | 1936 | 0 | -.74 |
| 1928 | 165 | -.93 | 1934 | 180 | -.75 | 1937 | 150 | -1.44 |
| 1930 | 180 | -.75 | 1935 | 180 | -.73 | 1939 | 180 | -.75 |
| 1932 | 210 | -.78 | | | | | | |

SHUTTLE ASSEMBLY BUILDING-VANDENBERG

| TAP | AZI- MUTH | ANSCPP | TAP | AZI- MUTH | ANSCPP |
|------|--------------|--------|------|--------------|--------|
| 1941 | 0 | -.75 | 1944 | 0 | -.72 |
| 1942 | 180 | -.76 | 1945 | 15 | -.73 |
| 1943 | 240 | -.73 | 1946 | 150 | -.92 |

TABLE 8. ANSI 1972 EQUIVALENT LOCAL PEAK PRESSURE COEFFICIENTS :
CONFIGURATION B

SHUTTLE ASSEMBLY BUILDING-VANDENBERG

| TAP | AZI- MUTH | ANSCPP | TAP | AZI- MUTH | ANSCPP | TAP | AZI- MUTH | ANSCPP | TAP | AZI- MUTH | ANSCPP | TAP | AZI- MUTH | ANSCPP |
|-----|--------------|--------|-----|--------------|--------|-----|--------------|--------|------|--------------|--------|------|--------------|--------|
| 101 | 240 | -.45 | 225 | 285 | -.71 | 273 | 300 | -1.20 | 920 | 300 | -1.36 | 1235 | 240 | -.72 |
| 102 | 240 | -.34 | 226 | 285 | -.60 | 301 | 240 | -.61 | 921 | 300 | -1.71 | 1236 | 240 | -.69 |
| 103 | 255 | -.27 | 227 | 300 | -.68 | 302 | 240 | -.66 | 922 | 300 | -1.70 | 1239 | 240 | -.72 |
| 104 | 240 | -.27 | 228 | 300 | -.78 | 303 | 240 | -.65 | 923 | 270 | -.94 | 1240 | 255 | -.76 |
| 105 | 240 | -.32 | 229 | 270 | -1.37 | 304 | 240 | -.65 | 924 | 240 | -1.18 | 1241 | 240 | -.77 |
| 106 | 270 | -.51 | 230 | 270 | -1.16 | 305 | 255 | -.71 | 925 | 270 | -.82 | 1242 | 240 | -.78 |
| 107 | 240 | -.30 | 231 | 270 | -1.06 | 306 | 240 | -.70 | 926 | 270 | -.71 | 1243 | 240 | -.78 |
| 108 | 240 | -.09 | 232 | 270 | -.86 | 307 | 240 | -.77 | 927 | 270 | -.72 | 1244 | 240 | -.71 |
| 109 | 240 | -.14 | 233 | 285 | -.91 | 308 | 255 | -.78 | 928 | 270 | -.95 | 1245 | 240 | -.80 |
| 110 | 240 | -.05 | 234 | 285 | -.72 | 309 | 240 | -.83 | 929 | 285 | -1.05 | 1248 | 240 | -.83 |
| 111 | 255 | -.20 | 235 | 300 | -.76 | 310 | 300 | -.74 | 930 | 300 | -1.17 | 1249 | 255 | -.88 |
| 112 | 255 | -.30 | 236 | 300 | -.71 | 311 | 240 | -1.07 | 931 | 300 | -1.71 | 1250 | 240 | -.89 |
| 113 | 240 | -.30 | 237 | 300 | -.76 | 312 | 240 | -.89 | 932 | 240 | -.87 | 1251 | 255 | -.88 |
| 114 | 240 | -.28 | 238 | 270 | -1.43 | 313 | 240 | -.90 | 933 | 255 | -1.06 | 1252 | 240 | -.98 |
| 115 | 255 | -.68 | 239 | 270 | -1.39 | 314 | 255 | -.90 | 934 | 270 | -1.05 | 1253 | 240 | -.95 |
| 116 | 255 | -.37 | 240 | 285 | -1.00 | 401 | 300 | -1.07 | 935 | 270 | -.71 | 1254 | 240 | -.87 |
| 120 | 255 | -.52 | 241 | 285 | -.94 | 402 | 300 | -1.09 | 936 | 270 | -.72 | 1257 | 240 | -.95 |
| 121 | 255 | -.51 | 242 | 300 | -.93 | 403 | 300 | -1.08 | 937 | 270 | -.47 | 1258 | 240 | -.90 |
| 125 | 255 | -.61 | 243 | 300 | -.80 | 404 | 300 | -1.07 | 938 | 270 | -1.39 | 1259 | 240 | -1.08 |
| 126 | 240 | -.63 | 244 | 300 | -.78 | 405 | 240 | -.91 | 939 | 240 | -1.28 | 1260 | 240 | -.99 |
| 130 | 240 | -.66 | 245 | 300 | -.87 | 501 | 270 | -.73 | 940 | 240 | -1.82 | 1261 | 240 | -1.17 |
| 131 | 240 | -.64 | 246 | 300 | -.97 | 502 | 270 | -.73 | 941 | 240 | -1.18 | 1262 | 240 | -.98 |
| 133 | 240 | -.73 | 247 | 285 | -2.02 | 503 | 270 | -.82 | 942 | 255 | -1.69 | 1263 | 240 | -.94 |
| 136 | 240 | -.67 | 248 | 270 | -2.28 | 504 | 300 | -.73 | 943 | 255 | -1.41 | 1266 | 240 | -.92 |
| 201 | 255 | -1.17 | 249 | 285 | -1.20 | 505 | 270 | -.53 | 944 | 270 | -1.09 | 1267 | 255 | -.93 |
| 202 | 255 | -1.13 | 250 | 300 | -1.12 | 506 | 270 | -.40 | 945 | 270 | -1.29 | 1268 | 240 | -1.06 |
| 203 | 270 | -1.05 | 251 | 300 | -1.00 | 507 | 270 | -.55 | 946 | 270 | -.53 | 1269 | 255 | -.99 |
| 204 | 240 | -.84 | 252 | 300 | -1.02 | 508 | 270 | -.79 | 1107 | 240 | -.53 | 1270 | 240 | -1.04 |
| 205 | 285 | -.93 | 253 | 300 | -.91 | 509 | 270 | -.82 | 1108 | 240 | -.72 | 1271 | 240 | -1.24 |
| 206 | 285 | -.98 | 254 | 300 | -1.09 | 901 | 300 | -1.91 | 1109 | 240 | -.78 | 1272 | 240 | -.93 |
| 207 | 255 | -.89 | 255 | 300 | -1.50 | 902 | 300 | -1.60 | 1110 | 240 | -.64 | 1303 | 300 | -.53 |
| 208 | 285 | -.76 | 256 | 270 | -1.51 | 903 | 300 | -1.24 | 1111 | 240 | -.80 | 1305 | 300 | -.62 |
| 209 | 285 | -1.21 | 257 | 285 | -2.02 | 904 | 285 | -1.27 | 1116 | 270 | -.90 | 1307 | 300 | -.67 |
| 210 | 270 | -.95 | 258 | 300 | -1.43 | 905 | 270 | -1.12 | 1121 | 270 | -.88 | 1309 | 300 | -.80 |
| 211 | 285 | -1.19 | 259 | 300 | -1.43 | 906 | 270 | -1.25 | 1126 | 270 | -.85 | 1311 | 300 | -.86 |
| 212 | 285 | -1.00 | 260 | 300 | -1.15 | 907 | 270 | -.89 | 1136 | 300 | -.93 | 1313 | 300 | -.98 |
| 213 | 270 | -1.08 | 261 | 300 | -1.14 | 908 | 270 | -.80 | 1221 | 300 | -.72 | 1911 | 240 | -.55 |
| 214 | 285 | -1.01 | 262 | 300 | -1.01 | 909 | 255 | -1.04 | 1222 | 300 | -.65 | 1913 | 240 | -.68 |
| 215 | 285 | -1.06 | 263 | 300 | -1.09 | 910 | 300 | -2.02 | 1223 | 240 | -.62 | 1914 | 300 | -.55 |
| 216 | 270 | -.82 | 264 | 300 | -1.30 | 911 | 240 | -1.43 | 1224 | 240 | -.58 | 1915 | 300 | -.61 |
| 217 | 300 | -1.25 | 265 | 300 | -1.05 | 912 | 300 | -1.24 | 1225 | 240 | -.61 | 1916 | 300 | -.55 |
| 218 | 285 | -1.04 | 266 | 285 | -1.68 | 913 | 285 | -1.00 | 1226 | 240 | -.53 | 1917 | 300 | -.54 |
| 219 | 285 | -.85 | 267 | 300 | -1.69 | 914 | 285 | -1.25 | 1227 | 240 | -.60 | 1918 | 300 | -.52 |
| 220 | 255 | -.89 | 268 | 300 | -1.48 | 915 | 255 | -.95 | 1230 | 240 | -.63 | 1921 | 240 | -.58 |
| 221 | 255 | -1.09 | 269 | 300 | -1.28 | 916 | 300 | -.97 | 1231 | 240 | -.69 | 1923 | 240 | -.67 |
| 222 | 270 | -.89 | 270 | 300 | -1.15 | 917 | 300 | -.99 | 1232 | 240 | -.66 | 1924 | 240 | -.63 |
| 223 | 285 | -.79 | 271 | 300 | -1.07 | 918 | 270 | -.80 | 1233 | 240 | -.66 | 1925 | 300 | -.60 |
| 224 | 285 | -.87 | 272 | 300 | -1.08 | 919 | 240 | -.87 | 1234 | 240 | -.62 | 1926 | 300 | -.56 |

TABLE 8. ANSI 1972 EQUIVALENT LOCAL PEAK PRESSURE COEFFICIENTS :
CONFIGURATION B

| TAP | AZI- MUTH | ANSCPP | TAP | AZI- MUTH | ANSCPP | TAP | AZI- MUTH | ANSCPP |
|------|--------------|--------|------|--------------|--------|------|--------------|--------|
| 1927 | 300 | -.55 | 1933 | 240 | -.76 | 1936 | 300 | -.59 |
| 1928 | 300 | -.55 | 1934 | 300 | -.63 | 1937 | 240 | -.59 |
| 1930 | 240 | -.68 | 1935 | 300 | -.61 | 1939 | 240 | -.65 |
| 1932 | 240 | -.69 | | | | | | |

SHUTTLE ASSEMBLY BUILDING-VANDENBERG

| TAP | AZI- MUTH | ANSCPP | TAP | AZI- MUTH | ANSCPP |
|------|--------------|--------|------|--------------|--------|
| 1941 | 240 | -.68 | 1944 | 240 | -.67 |
| 1942 | 240 | -.70 | 1945 | 240 | -.60 |
| 1943 | 240 | -.68 | 1946 | 240 | -.60 |

TABLE 8. ANSI 1972 EQUIVALENT LOCAL PEAK PRESSURE COEFFICIENTS :
CONFIGURATION C

SHUTTLE ASSEMBLY BUILDING-VANDENBERG

| TAP | AZI- MUTH | ANSCPP | TAP | AZI- MUTH | ANSCPP | TAP | AZI- MUTH | ANSCPP | TAP | AZI- MUTH | ANSCPP | TAP | AZI- MUTH | ANSCPP |
|-----|--------------|--------|-----|--------------|--------|-----|--------------|--------|------|--------------|--------|------|--------------|--------|
| 101 | 345 | -1.32 | 225 | 270 | -1.89 | 273 | 90 | -1.73 | 920 | 315 | -2.00 | 1233 | 0 | -1.97 |
| 102 | 165 | -1.62 | 226 | 270 | -1.04 | 301 | 90 | -1.24 | 921 | 300 | -2.11 | 1236 | 180 | -1.93 |
| 103 | 150 | -1.39 | 227 | 105 | -1.02 | 302 | 90 | -1.42 | 922 | 180 | -1.54 | 1239 | 195 | -1.07 |
| 104 | 180 | -1.35 | 228 | 105 | -1.25 | 303 | 90 | -1.95 | 923 | 0 | -1.20 | 1240 | 180 | -1.99 |
| 105 | 0 | -1.29 | 229 | 0 | -1.73 | 304 | 90 | -1.32 | 924 | 15 | -1.22 | 1241 | 180 | -1.05 |
| 106 | 165 | -1.11 | 230 | 270 | -1.42 | 305 | 90 | -1.05 | 925 | 165 | -1.78 | 1242 | 195 | -1.06 |
| 107 | 165 | -1.15 | 231 | 270 | -1.35 | 306 | 90 | -1.61 | 926 | 0 | -1.37 | 1243 | 180 | -1.08 |
| 108 | 345 | -1.16 | 232 | 270 | -1.12 | 307 | 90 | -1.39 | 927 | 45 | -1.87 | 1244 | 195 | -1.97 |
| 109 | 0 | -1.13 | 233 | 270 | -1.10 | 308 | 90 | -1.58 | 928 | 345 | -1.43 | 1245 | 345 | -1.08 |
| 110 | 180 | -1.22 | 234 | 270 | -1.99 | 309 | 90 | -1.44 | 929 | 345 | -1.53 | 1248 | 345 | -1.15 |
| 111 | 240 | -1.49 | 235 | 75 | -1.90 | 310 | 90 | -2.34 | 930 | 315 | -1.70 | 1249 | 0 | -1.17 |
| 112 | 345 | -1.42 | 236 | 120 | -1.11 | 311 | 90 | -1.64 | 931 | 300 | -2.35 | 1250 | 180 | -1.13 |
| 113 | 0 | -1.05 | 237 | 105 | -1.48 | 312 | 90 | -2.27 | 932 | 240 | -1.26 | 1251 | 180 | -1.16 |
| 114 | 0 | -1.34 | 238 | 255 | -1.46 | 313 | 90 | -1.66 | 933 | 240 | -1.26 | 1252 | 0 | -1.18 |
| 115 | 180 | -1.31 | 239 | 270 | -1.43 | 314 | 105 | -1.99 | 934 | 165 | -1.49 | 1253 | 180 | -1.21 |
| 116 | 225 | -2.03 | 240 | 255 | -1.39 | 401 | 0 | -1.26 | 935 | 165 | -1.68 | 1254 | 0 | -1.10 |
| 120 | 180 | -1.58 | 241 | 270 | -1.34 | 402 | 180 | -1.69 | 936 | 30 | -1.45 | 1257 | 345 | -1.35 |
| 121 | 240 | -1.95 | 242 | 270 | -1.15 | 403 | 285 | -1.11 | 937 | 0 | -1.23 | 1258 | 180 | -1.29 |
| 125 | 180 | -1.98 | 243 | 75 | -1.99 | 404 | 300 | -1.21 | 938 | 180 | -1.27 | 1259 | 0 | -1.34 |
| 126 | 240 | -2.70 | 244 | 90 | -1.10 | 405 | 195 | -1.24 | 939 | 285 | -1.68 | 1260 | 345 | -1.29 |
| 130 | 345 | -2.54 | 245 | 105 | -1.45 | 501 | 195 | -1.18 | 940 | 240 | -2.25 | 1261 | 195 | -1.32 |
| 131 | 210 | -2.96 | 246 | 90 | -1.46 | 502 | 345 | -1.16 | 941 | 240 | -1.44 | 1262 | 345 | -1.36 |
| 135 | 180 | -2.30 | 247 | 270 | -1.67 | 503 | 345 | -1.21 | 942 | 240 | -1.81 | 1263 | 180 | -1.30 |
| 136 | 225 | -3.08 | 248 | 270 | -1.95 | 504 | 15 | -1.41 | 943 | 255 | -2.02 | 1266 | 345 | -1.51 |
| 201 | 285 | -1.70 | 249 | 270 | -1.81 | 505 | 180 | -1.11 | 944 | 15 | -1.89 | 1267 | 180 | -1.42 |
| 202 | 285 | -1.50 | 250 | 270 | -1.54 | 506 | 0 | -1.25 | 945 | 195 | -1.65 | 1268 | 15 | -1.28 |
| 203 | 285 | -1.63 | 251 | 270 | -1.80 | 507 | 0 | -1.39 | 946 | 165 | -1.19 | 1269 | 15 | -1.25 |
| 204 | 255 | -1.23 | 252 | 75 | -1.25 | 508 | 345 | -1.55 | 1107 | 180 | -1.97 | 1270 | 180 | -1.37 |
| 205 | 105 | -1.15 | 253 | 75 | -1.33 | 509 | 345 | -1.92 | 1108 | 180 | -1.93 | 1271 | 180 | -1.28 |
| 206 | 105 | -1.28 | 254 | 105 | -1.34 | 901 | 300 | -2.29 | 1109 | 195 | -1.89 | 1272 | 180 | -1.23 |
| 207 | 270 | -1.13 | 255 | 105 | -2.14 | 902 | 300 | -1.81 | 1110 | 180 | -1.97 | 1303 | 180 | -1.94 |
| 208 | 105 | -1.51 | 256 | 270 | -1.61 | 903 | 330 | -1.77 | 1111 | 195 | -1.98 | 1305 | 180 | -1.08 |
| 209 | 105 | -1.25 | 257 | 270 | -1.62 | 904 | 285 | -1.72 | 1116 | 195 | -1.26 | 1307 | 180 | -1.03 |
| 210 | 270 | -1.36 | 258 | 270 | -2.17 | 905 | 270 | -1.42 | 1121 | 195 | -1.18 | 1309 | 180 | -1.29 |
| 211 | 270 | -1.46 | 259 | 270 | -2.15 | 906 | 30 | -2.14 | 1126 | 195 | -1.46 | 1311 | 180 | -1.42 |
| 212 | 270 | -1.44 | 260 | 270 | -1.77 | 907 | 345 | -2.09 | 1136 | 195 | -1.50 | 1313 | 180 | -1.38 |
| 213 | 45 | -1.94 | 261 | 75 | -1.40 | 908 | 0 | -2.04 | 1221 | 345 | -1.87 | 1911 | 180 | -1.85 |
| 214 | 90 | -1.44 | 262 | 75 | -1.50 | 909 | 330 | -1.58 | 1222 | 195 | -1.85 | 1913 | 195 | -1.90 |
| 215 | 270 | -1.41 | 263 | 330 | -1.77 | 910 | 330 | -2.50 | 1223 | 345 | -1.83 | 1914 | 180 | -1.88 |
| 216 | 90 | -1.58 | 264 | 90 | -2.02 | 911 | 300 | -2.10 | 1224 | 195 | -1.86 | 1915 | 345 | -1.91 |
| 217 | 315 | -2.11 | 265 | 255 | -1.91 | 912 | 120 | -1.86 | 1225 | 345 | -1.89 | 1916 | 195 | -1.85 |
| 218 | 270 | -1.54 | 266 | 270 | -1.55 | 913 | 0 | -1.29 | 1226 | 180 | -1.86 | 1917 | 195 | -1.93 |
| 219 | 105 | -1.17 | 267 | 270 | -2.31 | 914 | 285 | -1.52 | 1227 | 195 | -1.83 | 1918 | 180 | -1.91 |
| 220 | 255 | -1.28 | 268 | 255 | -1.87 | 915 | 15 | -2.13 | 1230 | 345 | -1.02 | 1921 | 180 | -1.89 |
| 221 | 255 | -1.46 | 269 | 270 | -1.42 | 916 | 30 | -2.14 | 1231 | 180 | -1.95 | 1923 | 180 | -1.91 |
| 222 | 255 | -1.26 | 270 | 270 | -1.50 | 917 | 345 | -2.48 | 1232 | 345 | -1.98 | 1924 | 180 | -1.96 |
| 223 | 285 | -1.15 | 271 | 75 | -1.76 | 918 | 345 | -2.19 | 1233 | 180 | -1.93 | 1925 | 180 | -1.88 |
| 224 | 285 | -1.13 | 272 | 285 | -1.46 | 919 | 75 | -1.24 | 1234 | 180 | -1.90 | 1926 | 0 | -1.87 |

TABLE 8. ANSI 1972 EQUIVALENT LOCAL PEAK PRESSURE COEFFICIENTS :
CONFIGURATION C

| TAP | AZI- RUTH | ANSCPP | TAP | AZI- RUTH | ANSCPP | TAP | AZI- RUTH | ANSCPP |
|------|--------------|--------|------|--------------|--------|------|--------------|--------|
| 1927 | 195 | -.89 | 1933 | 180 | -.85 | 1936 | 195 | -.91 |
| 1928 | 195 | -.86 | 1934 | 195 | -.84 | 1937 | 165 | -.87 |
| 1930 | 195 | -.89 | 1935 | 180 | -.87 | 1939 | 195 | -.90 |
| 1932 | 195 | -.90 | | | | | | |

SHUTTLE ASSEMBLY BUILDING-VANDENBERG

| TAP | AZI- RUTH | ANSCPP | TAP | AZI- RUTH | ANSCPP |
|------|--------------|--------|------|--------------|--------|
| 1941 | 195 | -.88 | 1944 | 180 | -.99 |
| 1942 | 0 | -.85 | 1945 | 180 | -.94 |
| 1943 | 195 | -.93 | 1946 | 180 | -.86 |

TABLE B. ANGI 1972 EQUIVALENT LOCAL PEAK PRESSURE COEFFICIENTS :
CONFIGURATION D

| TAP | AZI- MUTH | ANSCPP | TAP | AZI- MUTH | ANSCPP | TAP | AZI- MUTH | ANSCPP |
|-----|--------------|--------|-----|--------------|--------|-----|--------------|--------|
| 101 | 345 | -1.49 | 139 | 180 | -2.23 | 237 | 105 | -1.52 |
| 102 | 165 | -1.69 | 201 | 255 | -1.46 | 238 | 255 | -1.44 |
| 103 | 0 | -1.45 | 202 | 285 | -1.40 | 239 | 255 | -1.30 |
| 104 | 180 | -1.58 | 203 | 285 | -1.56 | 240 | 270 | -1.32 |
| 105 | 180 | -1.46 | 204 | 270 | -1.46 | 241 | 270 | -1.53 |
| 106 | 345 | -1.19 | 205 | 255 | -1.09 | 242 | 270 | -1.49 |
| 107 | 345 | -1.44 | 206 | 120 | -1.27 | 243 | 270 | -1.20 |
| 108 | 345 | -1.39 | 207 | 255 | -1.70 | 244 | 90 | -1.12 |
| 109 | 0 | -1.18 | 208 | 120 | -1.41 | 245 | 90 | -1.12 |
| 110 | 180 | -1.06 | 209 | 105 | -1.51 | 246 | 105 | -1.46 |
| 111 | 0 | -1.22 | 210 | 270 | -1.60 | 247 | 255 | -1.54 |
| 112 | 345 | -1.53 | 211 | 270 | -1.54 | 248 | 255 | -1.58 |
| 113 | 0 | -1.25 | 212 | 285 | -1.56 | 249 | 270 | -1.77 |
| 114 | 0 | -1.17 | 213 | 45 | -2.04 | 250 | 270 | -2.03 |
| 115 | 0 | -1.58 | 214 | 270 | -1.54 | 251 | 270 | -1.49 |
| 116 | 210 | -1.18 | 215 | 270 | -1.40 | 252 | 270 | -1.30 |
| 117 | 345 | -1.21 | 216 | 90 | -1.77 | 253 | 75 | -1.40 |
| 118 | 345 | -1.37 | 217 | 90 | -1.83 | 254 | 105 | -1.43 |
| 119 | 195 | -1.52 | 218 | 270 | -1.54 | 255 | 105 | -2.04 |
| 120 | 180 | -1.42 | 219 | 105 | -1.37 | 256 | 255 | -1.39 |
| 121 | 345 | -1.33 | 220 | 255 | -1.22 | 257 | 270 | -1.61 |
| 122 | 180 | -1.45 | 221 | 255 | -1.36 | 258 | 270 | -2.35 |
| 123 | 180 | -1.30 | 222 | 255 | -1.25 | 259 | 270 | -2.25 |
| 124 | 345 | -1.29 | 223 | 270 | -1.10 | 260 | 270 | -1.84 |
| 125 | 180 | -1.97 | 224 | 270 | -1.13 | 261 | 270 | -1.58 |
| 126 | 345 | -1.93 | 225 | 75 | -1.95 | 262 | 75 | -1.89 |
| 127 | 345 | -1.79 | 226 | 90 | -1.94 | 263 | 270 | -1.69 |
| 128 | 180 | -1.56 | 227 | 105 | -1.41 | 264 | 270 | -2.06 |
| 129 | 180 | -1.77 | 228 | 105 | -1.30 | 265 | 270 | -1.81 |
| 130 | 180 | -2.29 | 229 | 75 | -1.29 | 266 | 255 | -2.67 |
| 131 | 345 | -2.14 | 230 | 255 | -1.03 | 267 | 270 | -1.85 |
| 132 | 345 | -1.89 | 231 | 255 | -1.50 | 268 | 270 | -2.12 |
| 133 | 180 | -2.00 | 232 | 270 | -1.21 | 269 | 270 | -2.15 |
| 134 | 180 | -2.03 | 233 | 270 | -1.11 | 270 | 75 | -1.53 |
| 135 | 165 | -2.36 | 234 | 270 | -1.99 | 271 | 75 | -1.59 |
| 136 | 345 | -1.88 | 235 | 90 | -1.99 | 272 | 270 | -1.67 |
| 137 | 45 | -2.03 | 236 | 90 | -1.08 | 273 | 270 | -1.61 |
| 138 | 0 | -2.57 | | | | | | |

SHUTTLE ASSEMBLY BUILDING-VANDENBERG

| TAP | AZI- MUTH | ANSCPP | TAP | AZI- MUTH | ANSCPP |
|-----|--------------|--------|-----|--------------|--------|
| 301 | 90 | -1.23 | 910 | 315 | -2.54 |
| 302 | 90 | -1.43 | 911 | 300 | -2.37 |
| 303 | 90 | -1.09 | 912 | 0 | -1.65 |
| 304 | 90 | -1.77 | 913 | 285 | -1.35 |
| 305 | 90 | -1.16 | 914 | 285 | -1.94 |
| 306 | 90 | -1.91 | 915 | 165 | -1.52 |
| 307 | 90 | -1.27 | 916 | 0 | -2.33 |
| 308 | 90 | -2.02 | 917 | 15 | -2.67 |
| 309 | 105 | -1.54 | 918 | 345 | -2.32 |
| 310 | 90 | -1.93 | 919 | 60 | -1.16 |
| 311 | 90 | -1.59 | 920 | 315 | -1.96 |
| 312 | 90 | -2.75 | 921 | 315 | -2.01 |
| 313 | 90 | -1.40 | 922 | 285 | -1.59 |
| 314 | 105 | -1.97 | 923 | 285 | -1.23 |
| 401 | 0 | -1.29 | 924 | 270 | -1.50 |
| 402 | 180 | -1.16 | 925 | 165 | -1.65 |
| 403 | 300 | -1.15 | 926 | 0 | -1.79 |
| 404 | 315 | -1.14 | 927 | 0 | -1.63 |
| 405 | 195 | -1.27 | 928 | 0 | -1.54 |
| 501 | 0 | -1.21 | 929 | 0 | -1.50 |
| 502 | 180 | -1.37 | 930 | 315 | -1.71 |
| 503 | 0 | -1.77 | 931 | 300 | -2.19 |
| 504 | 345 | -1.58 | 932 | 345 | -1.27 |
| 505 | 15 | -1.06 | 933 | 165 | -1.22 |
| 506 | 345 | -1.13 | 934 | 150 | -1.37 |
| 507 | 345 | -1.24 | 935 | 180 | -2.21 |
| 508 | 345 | -1.87 | 936 | 165 | -1.74 |
| 509 | 0 | -2.08 | 937 | 0 | -1.31 |
| 901 | 300 | -2.31 | 938 | 0 | -1.39 |
| 902 | 0 | -1.81 | 939 | 225 | -1.83 |
| 903 | 345 | -1.59 | 940 | 315 | -2.54 |
| 904 | 285 | -1.80 | 941 | 15 | -1.39 |
| 905 | 285 | -1.54 | 942 | 300 | -1.67 |
| 906 | 15 | -2.72 | 943 | 285 | -2.30 |
| 907 | 0 | -2.57 | 944 | 150 | -2.17 |
| 908 | 300 | -1.93 | 945 | 165 | -1.57 |
| 909 | 345 | -2.10 | 946 | 180 | -1.18 |

TABLE 6. ANSI 1972 EQUIVALENT LOCAL PEAK PRESSURE COEFFICIENTS :
CONFIGURATION E

SHUTTLE ASSEMBLY BUILDING-VANDENBERG

| TAP | AZI-MUTH | ANSCPP | TAP | AZI-MUTH | ANSCPP | TAP | AZI-MUTH | ANSCPP | TAP | AZI-MUTH | ANSCPP | TAP | AZI-MUTH | ANSCPP |
|-----|----------|--------|-----|----------|--------|-----|----------|--------|------|----------|--------|------|----------|--------|
| 101 | 0 | -1.35 | 210 | 0 | -.66 | 258 | 0 | -1.02 | 905 | 0 | -1.43 | 1121 | 0 | -.11 |
| 102 | 0 | -1.26 | 211 | 0 | -.72 | 259 | 0 | -.94 | 906 | 0 | -2.54 | 1126 | 0 | -.11 |
| 103 | 0 | -1.61 | 212 | 0 | -.56 | 260 | 0 | -.97 | 907 | 0 | -2.32 | 1136 | 0 | -.11 |
| 104 | 0 | -1.31 | 213 | 0 | -.63 | 261 | 0 | -.81 | 908 | 0 | -1.29 | 1221 | 0 | -.11 |
| 105 | 0 | -1.33 | 214 | 0 | -1.07 | 262 | 0 | -.89 | 909 | 0 | -.67 | 1222 | 0 | -.11 |
| 106 | 0 | -1.44 | 215 | 0 | -.76 | 263 | 0 | -.85 | 910 | 0 | -1.32 | 1223 | 0 | -.11 |
| 107 | 0 | -1.44 | 216 | 0 | -.64 | 264 | 0 | -.77 | 911 | 0 | -1.19 | 1224 | 0 | -.11 |
| 108 | 0 | -1.25 | 217 | 0 | -.62 | 265 | 0 | -1.11 | 912 | 0 | -1.39 | 1225 | 0 | -.11 |
| 109 | 0 | -1.22 | 218 | 0 | -.69 | 266 | 0 | -.96 | 913 | 0 | -1.06 | 1226 | 0 | -.11 |
| 110 | 0 | -1.18 | 219 | 0 | -.65 | 267 | 0 | -.89 | 914 | 0 | -1.14 | 1227 | 0 | -.11 |
| 111 | 0 | -1.18 | 220 | 0 | -.63 | 268 | 0 | -1.00 | 915 | 0 | -1.60 | 1230 | 0 | -.11 |
| 112 | 0 | -1.20 | 221 | 0 | -.63 | 269 | 0 | -.89 | 916 | 0 | -2.27 | 1231 | 0 | -.11 |
| 113 | 0 | -1.29 | 222 | 0 | -.60 | 270 | 0 | -.90 | 917 | 0 | -2.51 | 1232 | 0 | -.11 |
| 114 | 0 | -1.14 | 223 | 0 | -.56 | 271 | 0 | -.75 | 918 | 0 | -1.81 | 1233 | 0 | -.11 |
| 115 | 0 | -1.94 | 224 | 0 | -.57 | 272 | 0 | -.85 | 919 | 0 | -1.49 | 1234 | 0 | -.11 |
| 116 | 0 | -1.15 | 225 | 0 | -.59 | 273 | 0 | -.89 | 920 | 0 | -1.34 | 1235 | 0 | -.11 |
| 117 | 0 | -1.07 | 226 | 0 | -.60 | 301 | 0 | -.09 | 921 | 0 | -1.36 | 1236 | 0 | -.11 |
| 118 | 0 | -1.09 | 227 | 0 | -.61 | 302 | 0 | -.10 | 922 | 0 | -1.43 | 1239 | 0 | -.11 |
| 119 | 0 | -1.31 | 228 | 0 | -.64 | 303 | 0 | -.11 | 923 | 0 | -1.09 | 1240 | 0 | -.11 |
| 120 | 0 | -1.08 | 229 | 0 | -.93 | 304 | 0 | -.12 | 924 | 0 | -1.13 | 1241 | 0 | -.11 |
| 121 | 0 | -1.09 | 230 | 0 | -.76 | 305 | 0 | -.01 | 925 | 0 | -1.54 | 1242 | 0 | -.11 |
| 122 | 0 | -1.03 | 231 | 0 | -.64 | 306 | 0 | -.01 | 926 | 0 | -1.52 | 1243 | 0 | -.11 |
| 123 | 0 | -1.24 | 232 | 0 | -.65 | 307 | 0 | -.05 | 927 | 0 | -1.53 | 1244 | 0 | -.11 |
| 124 | 0 | -1.37 | 233 | 0 | -.61 | 308 | 0 | -.01 | 928 | 0 | -1.65 | 1245 | 0 | -.11 |
| 125 | 0 | -1.59 | 234 | 0 | -.60 | 309 | 0 | -.14 | 929 | 0 | -1.38 | 1248 | 0 | -.11 |
| 126 | 0 | -1.59 | 235 | 0 | -.64 | 310 | 0 | -.02 | 930 | 0 | -1.27 | 1249 | 0 | -.11 |
| 127 | 0 | -1.47 | 236 | 0 | -.60 | 311 | 0 | -.11 | 931 | 0 | -1.43 | 1250 | 0 | -.11 |
| 128 | 0 | -1.30 | 237 | 0 | -.58 | 312 | 0 | -.01 | 932 | 0 | -1.03 | 1251 | 0 | -.11 |
| 129 | 0 | -1.41 | 238 | 0 | -1.07 | 313 | 0 | -.13 | 933 | 0 | -1.17 | 1252 | 0 | -.11 |
| 130 | 0 | -1.44 | 239 | 0 | -.87 | 314 | 0 | -.07 | 934 | 0 | -1.14 | 1253 | 0 | -.11 |
| 131 | 0 | -1.66 | 240 | 0 | -.78 | 401 | 0 | -1.23 | 935 | 0 | -1.13 | 1254 | 0 | -.11 |
| 132 | 0 | -1.68 | 241 | 0 | -.78 | 402 | 0 | -.91 | 936 | 0 | -1.91 | 1257 | 0 | -.11 |
| 133 | 0 | -1.93 | 242 | 0 | -.66 | 403 | 0 | -1.09 | 937 | 0 | -1.19 | 1258 | 0 | -.11 |
| 134 | 0 | -2.46 | 243 | 0 | -.69 | 404 | 0 | -1.02 | 938 | 0 | -1.48 | 1259 | 0 | -.11 |
| 135 | 0 | -2.00 | 244 | 0 | -.70 | 405 | 0 | -.93 | 939 | 0 | -1.11 | 1260 | 0 | -.11 |
| 136 | 0 | -1.63 | 245 | 0 | -.70 | 501 | 0 | -1.14 | 940 | 0 | -1.54 | 1261 | 0 | -.11 |
| 137 | 0 | -1.89 | 246 | 0 | -.72 | 502 | 0 | -1.09 | 941 | 0 | -1.01 | 1262 | 0 | -.11 |
| 138 | 0 | -1.78 | 247 | 0 | -1.16 | 503 | 0 | -1.23 | 942 | 0 | -.95 | 1263 | 0 | -.11 |
| 139 | 0 | -1.66 | 248 | 0 | -1.00 | 504 | 0 | -2.03 | 943 | 0 | -1.16 | 1266 | 0 | -.11 |
| 201 | 0 | -1.71 | 249 | 0 | -.88 | 505 | 0 | -.96 | 944 | 0 | -1.58 | 1267 | 0 | -.11 |
| 202 | 0 | -1.56 | 250 | 0 | -.81 | 506 | 0 | -1.10 | 945 | 0 | -1.44 | 1268 | 0 | -.11 |
| 203 | 0 | -1.78 | 251 | 0 | -.76 | 507 | 0 | -1.06 | 946 | 0 | -.99 | 1269 | 0 | -.11 |
| 204 | 0 | -1.74 | 252 | 0 | -.78 | 508 | 0 | -1.49 | 1107 | 0 | -.29 | 1270 | 0 | -.11 |
| 205 | 0 | -1.64 | 253 | 0 | -.76 | 509 | 0 | -1.41 | 1108 | 0 | -.33 | 1271 | 0 | -.11 |
| 206 | 0 | -1.72 | 254 | 0 | -.77 | 901 | 0 | -1.42 | 1109 | 0 | -.28 | 1272 | 0 | -.11 |
| 207 | 0 | -1.71 | 255 | 0 | -1.10 | 902 | 0 | -1.64 | 1110 | 0 | -.29 | 1303 | 0 | -.11 |
| 208 | 0 | -1.70 | 256 | 0 | -1.22 | 903 | 0 | -1.60 | 1111 | 0 | -.31 | 1305 | 0 | -.11 |
| 209 | 0 | -1.80 | 257 | 0 | -.90 | 904 | 0 | -1.07 | 1116 | 0 | -.28 | 1307 | 0 | -.11 |

TABLE B. ANSI 1972 EQUIVALENT LOCAL PEAK PRESSURE COEFFICIENTS :
CONFIGURATION E

| TAP | AZI- MUTH | ANSCPP | TAP | AZI- MUTH | ANSCPP | TAP | AZI- MUTH | ANSCPP |
|------|--------------|--------|------|--------------|--------|------|--------------|--------|
| 1309 | 0 | -.48 | 1916 | 0 | -.28 | 1925 | 0 | -.32 |
| 1311 | 0 | -.41 | 1917 | 0 | -.26 | 1926 | 0 | -.28 |
| 1313 | 0 | -.43 | 1918 | 0 | -.32 | 1927 | 0 | -.29 |
| 1911 | 0 | -.17 | 1921 | 0 | -.27 | 1928 | 0 | -.28 |
| 1912 | 0 | -.29 | 1923 | 0 | -.34 | 1930 | 0 | -.35 |
| 1914 | 0 | -.35 | 1924 | 0 | -.32 | 1932 | 0 | -.30 |
| 1915 | 0 | -.33 | | | | | | |

SHUTTLE ASSEMBLY BUILDING-VANDBERG

| TAP | AZI- MUTH | ANSCPP | TAP | AZI- MUTH | ANSCPP |
|------|--------------|--------|------|--------------|--------|
| 1933 | 0 | -.28 | 1941 | 0 | -.28 |
| 1934 | 0 | -.25 | 1942 | 0 | -.29 |
| 1935 | 0 | -.25 | 1943 | 0 | -.25 |
| 1936 | 0 | -.30 | 1944 | 0 | -.30 |
| 1937 | 0 | -.26 | 1945 | 0 | -.25 |
| 1939 | 0 | -.28 | 1946 | 0 | -.28 |

TABLE 8. ANSI 1972 EQUIVALENT LOCAL PEAK PRESSURE COEFFICIENTS :
CONFIGURATION F

SHUTTLE ASSEMBLY BUILDING-VANDENBERG

| TAP | AZI-MUTH | ANSCPP | TAP | AZI-MUTH | ANSCPP | TAP | AZI-MUTH | ANSCPP | TAP | AZI-MUTH | ANSCPP | TAP | AZI-MUTH | ANSCPP |
|-----|----------|--------|-----|----------|--------|-----|----------|--------|------|----------|--------|------|----------|--------|
| 101 | 270 | -.31 | 210 | 270 | -.97 | 238 | 270 | -2.61 | 905 | 270 | -1.15 | 1121 | 270 | -.62 |
| 102 | 270 | -.27 | 211 | 270 | -1.10 | 239 | 270 | -2.13 | 906 | 270 | -1.29 | 1126 | 270 | -.62 |
| 103 | 270 | -.29 | 212 | 270 | -1.32 | 260 | 270 | -1.56 | 907 | 270 | -1.33 | 1136 | 270 | -.71 |
| 104 | 270 | -.25 | 213 | 270 | -1.12 | 261 | 270 | -2.13 | 908 | 270 | -.94 | 1221 | 270 | -.47 |
| 105 | 270 | -.28 | 214 | 270 | -1.08 | 262 | 270 | -1.25 | 909 | 270 | -.72 | 1222 | 270 | -.59 |
| 106 | 270 | -.35 | 215 | 270 | -1.53 | 263 | 270 | -1.78 | 910 | 270 | -.85 | 1223 | 270 | -.48 |
| 107 | 270 | -.16 | 216 | 270 | -1.53 | 264 | 270 | -1.82 | 911 | 270 | -.84 | 1224 | 270 | -.47 |
| 108 | 270 | -.02 | 217 | 270 | -1.71 | 265 | 270 | -1.64 | 912 | 270 | -.97 | 1225 | 270 | -.48 |
| 109 | 270 | -.03 | 218 | 270 | -1.32 | 266 | 270 | -1.41 | 913 | 270 | -.84 | 1226 | 270 | -.51 |
| 110 | 270 | -.06 | 219 | 270 | -.89 | 267 | 270 | -2.08 | 914 | 270 | -.90 | 1227 | 270 | -.45 |
| 111 | 270 | -.09 | 220 | 270 | -.94 | 268 | 270 | -2.21 | 915 | 270 | -1.13 | 1230 | 270 | -.56 |
| 112 | 270 | -.06 | 221 | 270 | -.90 | 269 | 270 | -1.80 | 916 | 270 | -1.28 | 1231 | 270 | -.48 |
| 113 | 270 | -.08 | 222 | 270 | -1.27 | 270 | 270 | -1.63 | 917 | 270 | -1.68 | 1232 | 270 | -.49 |
| 114 | 270 | -.05 | 223 | 270 | -1.04 | 271 | 270 | -1.32 | 918 | 270 | -.91 | 1233 | 270 | -.50 |
| 115 | 270 | -.78 | 224 | 270 | -1.09 | 272 | 270 | -1.96 | 919 | 270 | -.71 | 1234 | 270 | -.54 |
| 116 | 270 | -.18 | 225 | 270 | -1.14 | 273 | 270 | -1.46 | 920 | 270 | -.83 | 1235 | 270 | -.50 |
| 117 | 270 | -.04 | 226 | 270 | -1.12 | 301 | 270 | -.67 | 921 | 270 | -.90 | 1236 | 270 | -.53 |
| 118 | 270 | -.01 | 227 | 270 | -.69 | 302 | 270 | -.87 | 922 | 270 | -1.07 | 1239 | 270 | -.51 |
| 119 | 270 | -.01 | 228 | 270 | -.78 | 303 | 270 | -.84 | 923 | 270 | -.93 | 1240 | 270 | -.61 |
| 120 | 270 | -.46 | 229 | 270 | -1.02 | 304 | 270 | -.77 | 924 | 270 | -1.17 | 1241 | 270 | -.57 |
| 121 | 270 | -.22 | 230 | 270 | -.97 | 305 | 270 | -.89 | 925 | 270 | -1.16 | 1242 | 270 | -.63 |
| 122 | 270 | -.01 | 231 | 270 | -1.05 | 306 | 270 | -.79 | 926 | 270 | -1.13 | 1243 | 270 | -.56 |
| 123 | 270 | -.01 | 232 | 270 | -1.20 | 307 | 270 | -.83 | 927 | 270 | -1.15 | 1244 | 270 | -.56 |
| 124 | 270 | -.02 | 233 | 270 | -1.24 | 308 | 270 | -.99 | 928 | 270 | -.95 | 1245 | 270 | -.53 |
| 125 | 270 | -.81 | 234 | 270 | -1.63 | 309 | 270 | -1.00 | 929 | 270 | -.74 | 1248 | 270 | -.67 |
| 126 | 270 | -.49 | 235 | 270 | -.91 | 310 | 270 | -.88 | 930 | 270 | -.88 | 1249 | 270 | -.67 |
| 127 | 270 | -.02 | 236 | 270 | -1.03 | 311 | 270 | -1.22 | 931 | 270 | -.94 | 1250 | 270 | -.69 |
| 128 | 270 | -.07 | 237 | 270 | -1.41 | 312 | 270 | -1.32 | 932 | 270 | -.78 | 1251 | 270 | -.65 |
| 129 | 270 | -.09 | 238 | 270 | -1.34 | 313 | 270 | -1.34 | 933 | 270 | -.85 | 1252 | 270 | -.68 |
| 130 | 270 | -.82 | 239 | 270 | -1.33 | 314 | 270 | -1.00 | 934 | 270 | -1.05 | 1253 | 270 | -.65 |
| 131 | 270 | -.35 | 240 | 270 | -1.41 | 401 | 270 | -.84 | 935 | 270 | -.88 | 1254 | 270 | -.67 |
| 132 | 270 | -.04 | 241 | 270 | -1.33 | 402 | 270 | -.83 | 936 | 270 | -.94 | 1257 | 270 | -.71 |
| 133 | 270 | -.01 | 242 | 270 | -1.52 | 403 | 270 | -.80 | 937 | 270 | -.68 | 1258 | 270 | -.79 |
| 134 | 270 | -.04 | 243 | 270 | -1.19 | 404 | 270 | -.81 | 938 | 270 | -.78 | 1259 | 270 | -.73 |
| 135 | 270 | -.89 | 244 | 270 | -1.08 | 405 | 270 | -.78 | 939 | 270 | -.86 | 1260 | 270 | -.70 |
| 136 | 270 | -.36 | 245 | 270 | -1.43 | 501 | 270 | -1.11 | 940 | 270 | -1.13 | 1261 | 270 | -.74 |
| 137 | 270 | -.04 | 246 | 270 | -1.48 | 502 | 270 | -1.10 | 941 | 270 | -.78 | 1262 | 270 | -.72 |
| 138 | 270 | -.01 | 247 | 270 | -1.43 | 503 | 270 | -.85 | 942 | 270 | -.90 | 1263 | 270 | -.79 |
| 139 | 270 | -.05 | 248 | 270 | -1.40 | 504 | 270 | -1.09 | 943 | 270 | -1.12 | 1266 | 270 | -.75 |
| 201 | 270 | -1.00 | 249 | 270 | -1.53 | 505 | 270 | -.85 | 944 | 270 | -1.25 | 1267 | 270 | -.84 |
| 202 | 270 | -1.08 | 250 | 270 | -1.67 | 506 | 270 | -.93 | 945 | 270 | -1.53 | 1268 | 270 | -.75 |
| 203 | 270 | -1.04 | 251 | 270 | -1.44 | 507 | 270 | -.99 | 946 | 270 | -1.23 | 1269 | 270 | -.72 |
| 204 | 270 | -.96 | 252 | 270 | -1.24 | 508 | 270 | -1.00 | 1107 | 270 | -.48 | 1270 | 270 | -.70 |
| 205 | 270 | -.71 | 253 | 270 | -1.14 | 509 | 270 | -1.10 | 1108 | 270 | -.54 | 1271 | 270 | -.76 |
| 206 | 270 | -.75 | 254 | 270 | -1.40 | 501 | 270 | -.93 | 1109 | 270 | -.49 | 1272 | 270 | -.78 |
| 207 | 270 | -.91 | 255 | 270 | -1.64 | 902 | 270 | -.94 | 1110 | 270 | -.51 | 1303 | 270 | -.49 |
| 208 | 270 | -.65 | 256 | 270 | -1.46 | 903 | 270 | -.86 | 1111 | 270 | -.46 | 1305 | 270 | -.59 |
| 209 | 270 | -.64 | 257 | 270 | -1.43 | 904 | 270 | -1.24 | 1116 | 270 | -.56 | 1307 | 270 | -.57 |

TABLE B. ANSI 1972 EQUIVALENT LOCAL PEAK PRESSURE COEFFICIENTS ;
CONFIGURATION F

SHUTTLE ASSEMBLY BUILDING-VANDENBERG

| TAP | AZI- MUTH | ANSCPP | TAP | AZI- MUTH | ANSCPP | TAP | AZI- MUTH | ANSCPP | TAP | AZI- MUTH | ANSCPP | TAP | AZI- MUTH | ANSCPP |
|------|--------------|--------|------|--------------|--------|------|--------------|--------|------|--------------|--------|------|--------------|--------|
| 1309 | 270 | -.69 | 1916 | 270 | -.49 | 1925 | 270 | -.50 | 1933 | 270 | -.47 | 1941 | 270 | -.53 |
| 1311 | 270 | -.71 | 1917 | 270 | -.50 | 1926 | 270 | -.47 | 1934 | 270 | -.48 | 1942 | 270 | -.49 |
| 1313 | 270 | -.71 | 1918 | 270 | -.48 | 1927 | 270 | -.50 | 1935 | 270 | -.51 | 1943 | 270 | -.45 |
| 1911 | 270 | -.46 | 1921 | 270 | -.48 | 1928 | 270 | -.48 | 1936 | 270 | -.48 | 1944 | 270 | -.53 |
| 1913 | 270 | -.53 | 1923 | 270 | -.61 | 1930 | 270 | -.56 | 1937 | 270 | -.50 | 1945 | 270 | -.45 |
| 1914 | 270 | -.50 | 1924 | 270 | -.47 | 1932 | 270 | -.45 | 1939 | 270 | -.48 | 1946 | 270 | -.59 |
| 1915 | 270 | -.46 | | | | | | | | | | | | |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION A

| TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM |
|-----|----------|--------|-----|----------|--------|-----|----------|--------|------|----------|--------|------|----------|--------|
| 101 | 0 | 61 | 225 | 0 | 26 | 273 | 0 | 43 | 920 | 0 | 64 | 1235 | 0 | 50 |
| 102 | 0 | 63 | 226 | 0 | 26 | 301 | 0 | 50 | 921 | 0 | 64 | 1236 | 0 | 50 |
| 103 | 0 | 63 | 227 | 0 | 27 | 302 | 0 | 47 | 922 | 0 | 70 | 1239 | 0 | 56 |
| 104 | 0 | 51 | 228 | 0 | 30 | 303 | 0 | 53 | 923 | 0 | 61 | 1240 | 0 | 57 |
| 105 | 0 | 42 | 229 | 0 | 35 | 304 | 0 | 48 | 924 | 0 | 66 | 1241 | 0 | 56 |
| 106 | 0 | 63 | 230 | 0 | 30 | 305 | 0 | 57 | 925 | 0 | 63 | 1242 | 0 | 57 |
| 107 | 0 | 62 | 231 | 0 | 28 | 306 | 0 | 48 | 926 | 0 | 66 | 1243 | 0 | 55 |
| 108 | 0 | 62 | 232 | 0 | 27 | 307 | 0 | 56 | 927 | 0 | 66 | 1244 | 0 | 55 |
| 109 | 0 | 61 | 233 | 0 | 27 | 308 | 0 | 52 | 928 | 0 | 66 | 1245 | 0 | 58 |
| 110 | 0 | 52 | 234 | 0 | 29 | 309 | 0 | 64 | 929 | 0 | 55 | 1248 | 0 | 66 |
| 111 | 0 | 64 | 235 | 0 | 29 | 310 | 0 | 62 | 930 | 0 | 59 | 1249 | 0 | 67 |
| 112 | 0 | 64 | 236 | 0 | 31 | 311 | 0 | 78 | 931 | 0 | 60 | 1250 | 0 | 63 |
| 113 | 0 | 51 | 237 | 0 | 36 | 312 | 0 | 68 | 932 | 0 | 62 | 1251 | 0 | 64 |
| 114 | 0 | 55 | 238 | 0 | 36 | 313 | 0 | 66 | 933 | 0 | 63 | 1252 | 0 | 66 |
| 115 | 0 | 55 | 239 | 0 | 34 | 314 | 0 | 99 | 934 | 0 | 63 | 1253 | 0 | 66 |
| 116 | 0 | 55 | 240 | 0 | 31 | 401 | 0 | 67 | 935 | 0 | 62 | 1254 | 0 | 66 |
| 120 | 0 | 55 | 241 | 0 | 29 | 402 | 0 | 51 | 936 | 0 | 60 | 1257 | 0 | 71 |
| 121 | 0 | 59 | 242 | 0 | 28 | 403 | 0 | 61 | 937 | 0 | 57 | 1258 | 0 | 73 |
| 125 | 0 | 69 | 243 | 0 | 30 | 404 | 0 | 51 | 938 | 0 | 44 | 1259 | 0 | 69 |
| 126 | 0 | 71 | 244 | 0 | 30 | 405 | 0 | 54 | 939 | 0 | 44 | 1260 | 0 | 70 |
| 130 | 0 | 88 | 245 | 0 | 32 | 501 | 0 | 43 | 940 | 0 | 52 | 1261 | 0 | 68 |
| 131 | 0 | 10 | 246 | 0 | 32 | 502 | 0 | 47 | 941 | 0 | 53 | 1262 | 0 | 69 |
| 135 | 0 | 14 | 247 | 0 | 46 | 503 | 0 | 63 | 942 | 0 | 53 | 1263 | 0 | 72 |
| 136 | 0 | 16 | 248 | 0 | 38 | 504 | 0 | 77 | 943 | 0 | 52 | 1266 | 0 | 98 |
| 201 | 0 | 25 | 249 | 0 | 34 | 505 | 0 | 43 | 944 | 0 | 52 | 1267 | 0 | 98 |
| 202 | 0 | 24 | 250 | 0 | 29 | 506 | 0 | 54 | 945 | 0 | 52 | 1268 | 0 | 93 |
| 203 | 0 | 27 | 251 | 0 | 28 | 507 | 0 | 58 | 946 | 0 | 45 | 1269 | 0 | 96 |
| 204 | 0 | 30 | 252 | 0 | 29 | 508 | 0 | 63 | 1107 | 0 | 46 | 1270 | 0 | 96 |
| 205 | 0 | 27 | 253 | 0 | 30 | 509 | 0 | 62 | 1108 | 0 | 46 | 1271 | 0 | 00 |
| 206 | 0 | 27 | 254 | 0 | 31 | 901 | 0 | 85 | 1109 | 0 | 44 | 1272 | 0 | 01 |
| 207 | 0 | 28 | 255 | 0 | 31 | 902 | 0 | 73 | 1110 | 0 | 48 | 1303 | 0 | 47 |
| 208 | 0 | 27 | 256 | 0 | 42 | 903 | 0 | 75 | 1111 | 0 | 47 | 1305 | 0 | 50 |
| 209 | 0 | 26 | 257 | 0 | 37 | 904 | 0 | 62 | 1116 | 0 | 51 | 1307 | 0 | 52 |
| 210 | 0 | 24 | 258 | 0 | 34 | 905 | 0 | 68 | 1121 | 0 | 52 | 1309 | 0 | 61 |
| 211 | 0 | 25 | 259 | 0 | 31 | 906 | 0 | 68 | 1126 | 0 | 54 | 1311 | 0 | 67 |
| 212 | 0 | 27 | 260 | 0 | 29 | 907 | 0 | 58 | 1136 | 0 | 53 | 1313 | 0 | 04 |
| 213 | 0 | 27 | 261 | 0 | 27 | 908 | 0 | 55 | 1221 | 0 | 47 | 1911 | 0 | 40 |
| 214 | 0 | 26 | 262 | 0 | 34 | 909 | 0 | 37 | 1222 | 0 | 47 | 1913 | 0 | 46 |
| 215 | 0 | 26 | 263 | 0 | 34 | 910 | 0 | 83 | 1223 | 0 | 46 | 1914 | 0 | 44 |
| 216 | 0 | 26 | 264 | 0 | 32 | 911 | 0 | 80 | 1224 | 0 | 48 | 1915 | 0 | 46 |
| 217 | 0 | 26 | 265 | 0 | 53 | 912 | 0 | 74 | 1225 | 0 | 49 | 1916 | 0 | 43 |
| 218 | 0 | 26 | 266 | 0 | 50 | 913 | 0 | 62 | 1226 | 0 | 48 | 1917 | 0 | 46 |
| 219 | 0 | 26 | 267 | 0 | 48 | 914 | 0 | 62 | 1227 | 0 | 48 | 1918 | 0 | 47 |
| 220 | 0 | 26 | 268 | 0 | 41 | 915 | 0 | 61 | 1230 | 0 | 51 | 1921 | 0 | 47 |
| 221 | 0 | 27 | 269 | 0 | 40 | 916 | 0 | 56 | 1231 | 0 | 50 | 1923 | 0 | 47 |
| 222 | 0 | 26 | 270 | 0 | 43 | 917 | 0 | 61 | 1232 | 0 | 49 | 1924 | 0 | 48 |
| 223 | 0 | 24 | 271 | 0 | 45 | 918 | 0 | 67 | 1233 | 0 | 50 | 1925 | 0 | 45 |
| 224 | 0 | 25 | 272 | 0 | 46 | 919 | 0 | 57 | 1234 | 0 | 50 | 1926 | 0 | 48 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION A

| TAP | AZI- RUTH | ANSCPM | TAP | AZI- RUTH | ANSCPM | TAP | AZI- RUTH | ANSCPM | TAP | AZI- RUTH | ANSCPM | TAP | AZI- RUTH | ANSCPM |
|-------|--------------|--------|-----|--------------|--------|-----|--------------|--------|------|--------------|--------|------|--------------|--------|
| 19227 | 0 | - .46 | 209 | 15 | - .32 | 257 | 15 | - .37 | 904 | 15 | - .75 | 1116 | 15 | - .41 |
| 19228 | 0 | - .48 | 210 | 15 | - .34 | 258 | 15 | - .38 | 905 | 15 | - .64 | 1121 | 15 | - .46 |
| 19330 | 0 | - .48 | 211 | 15 | - .33 | 259 | 15 | - .34 | 906 | 15 | - .58 | 1126 | 15 | - .53 |
| 19332 | 0 | - .47 | 212 | 15 | - .33 | 260 | 15 | - .43 | 907 | 15 | - .62 | 1135 | 15 | - .58 |
| 19333 | 0 | - .47 | 213 | 15 | - .31 | 261 | 15 | - .43 | 908 | 15 | - .49 | 1221 | 15 | - .44 |
| 19334 | 0 | - .47 | 214 | 15 | - .28 | 262 | 15 | - .40 | 909 | 15 | - .48 | 1222 | 15 | - .47 |
| 19335 | 0 | - .46 | 215 | 15 | - .30 | 263 | 15 | - .38 | 910 | 15 | - .64 | 1223 | 15 | - .68 |
| 19336 | 0 | - .46 | 216 | 15 | - .29 | 264 | 15 | - .36 | 911 | 15 | - .59 | 1224 | 15 | - .68 |
| 19337 | 0 | - .49 | 217 | 15 | - .29 | 265 | 15 | - .61 | 912 | 15 | - .53 | 1225 | 15 | - .68 |
| 19339 | 0 | - .47 | 218 | 15 | - .29 | 266 | 15 | - .53 | 913 | 15 | - .79 | 1226 | 15 | - .68 |
| 1941 | 0 | - .44 | 219 | 15 | - .27 | 267 | 15 | - .53 | 914 | 15 | - .75 | 1227 | 15 | - .68 |
| 1942 | 0 | - .48 | 220 | 15 | - .33 | 268 | 15 | - .55 | 915 | 15 | - .69 | 1228 | 15 | - .68 |
| 1944 | 0 | - .48 | 221 | 15 | - .34 | 269 | 15 | - .57 | 916 | 15 | - .62 | 1229 | 15 | - .68 |
| 1945 | 0 | - .46 | 222 | 15 | - .32 | 270 | 15 | - .63 | 917 | 15 | - .62 | 1230 | 15 | - .68 |
| 1946 | 0 | - .48 | 223 | 15 | - .30 | 271 | 15 | - .72 | 918 | 15 | - .65 | 1231 | 15 | - .68 |
| 101 | 15 | - .43 | 224 | 15 | - .29 | 272 | 15 | - .44 | 919 | 15 | - .71 | 1232 | 15 | - .68 |
| 102 | 15 | - .44 | 225 | 15 | - .29 | 273 | 15 | - .50 | 920 | 15 | - .66 | 1233 | 15 | - .68 |
| 103 | 15 | - .43 | 226 | 15 | - .28 | 301 | 15 | - .50 | 921 | 15 | - .56 | 1234 | 15 | - .68 |
| 104 | 15 | - .43 | 227 | 15 | - .27 | 302 | 15 | - .52 | 922 | 15 | - .55 | 1235 | 15 | - .68 |
| 105 | 15 | - .43 | 228 | 15 | - .27 | 303 | 15 | - .52 | 923 | 15 | - .53 | 1236 | 15 | - .68 |
| 106 | 15 | - .45 | 229 | 15 | - .40 | 304 | 15 | - .55 | 924 | 15 | - .74 | 1237 | 15 | - .68 |
| 107 | 15 | - .42 | 230 | 15 | - .37 | 305 | 15 | - .51 | 925 | 15 | - .71 | 1238 | 15 | - .68 |
| 108 | 15 | - .43 | 231 | 15 | - .35 | 306 | 15 | - .46 | 926 | 15 | - .63 | 1239 | 15 | - .68 |
| 109 | 15 | - .44 | 232 | 15 | - .33 | 307 | 15 | - .52 | 927 | 15 | - .65 | 1240 | 15 | - .68 |
| 110 | 15 | - .43 | 233 | 15 | - .33 | 308 | 15 | - .52 | 928 | 15 | - .63 | 1241 | 15 | - .68 |
| 111 | 15 | - .41 | 234 | 15 | - .32 | 309 | 15 | - .62 | 929 | 15 | - .54 | 1242 | 15 | - .68 |
| 112 | 15 | - .44 | 235 | 15 | - .42 | 310 | 15 | - .68 | 930 | 15 | - .53 | 1243 | 15 | - .68 |
| 113 | 15 | - .45 | 236 | 15 | - .30 | 311 | 15 | - .73 | 931 | 15 | - .50 | 1244 | 15 | - .68 |
| 114 | 15 | - .46 | 237 | 15 | - .30 | 312 | 15 | - .68 | 932 | 15 | - .49 | 1245 | 15 | - .68 |
| 115 | 15 | - .43 | 238 | 15 | - .37 | 313 | 15 | - .97 | 933 | 15 | - .54 | 1246 | 15 | - .68 |
| 116 | 15 | - .38 | 239 | 15 | - .36 | 314 | 15 | - .93 | 934 | 15 | - .62 | 1247 | 15 | - .68 |
| 120 | 15 | - .41 | 240 | 15 | - .35 | 401 | 15 | - .60 | 935 | 15 | - .63 | 1248 | 15 | - .68 |
| 121 | 15 | - .41 | 241 | 15 | - .34 | 402 | 15 | - .47 | 936 | 15 | - .62 | 1249 | 15 | - .68 |
| 125 | 15 | - .44 | 242 | 15 | - .37 | 403 | 15 | - .59 | 937 | 15 | - .58 | 1250 | 15 | - .68 |
| 126 | 15 | - .49 | 243 | 15 | - .35 | 404 | 15 | - .48 | 938 | 15 | - .51 | 1251 | 15 | - .68 |
| 130 | 15 | - .53 | 244 | 15 | - .40 | 405 | 15 | - .41 | 939 | 15 | - .47 | 1252 | 15 | - .68 |
| 131 | 15 | - .79 | 245 | 15 | - .31 | 501 | 15 | - .50 | 940 | 15 | - .48 | 1253 | 15 | - .68 |
| 133 | 15 | - .63 | 246 | 15 | - .51 | 502 | 15 | - .55 | 941 | 15 | - .46 | 1254 | 15 | - .68 |
| 135 | 15 | - .62 | 247 | 15 | - .45 | 503 | 15 | - .68 | 942 | 15 | - .44 | 1255 | 15 | - .68 |
| 136 | 15 | - .61 | 248 | 15 | - .35 | 504 | 15 | - .77 | 943 | 15 | - .47 | 1256 | 15 | - .68 |
| 201 | 15 | - .34 | 249 | 15 | - .34 | 505 | 15 | - .48 | 944 | 15 | - .49 | 1257 | 15 | - .68 |
| 202 | 15 | - .33 | 250 | 15 | - .32 | 506 | 15 | - .50 | 945 | 15 | - .53 | 1258 | 15 | - .68 |
| 203 | 15 | - .36 | 251 | 15 | - .36 | 507 | 15 | - .62 | 946 | 15 | - .48 | 1259 | 15 | - .68 |
| 204 | 15 | - .36 | 252 | 15 | - .37 | 508 | 15 | - .64 | 1107 | 15 | - .38 | 1270 | 15 | - .68 |
| 205 | 15 | - .30 | 253 | 15 | - .38 | 509 | 15 | - .64 | 1108 | 15 | - .38 | 1271 | 15 | - .68 |
| 206 | 15 | - .29 | 254 | 15 | - .33 | 901 | 15 | - .55 | 1109 | 15 | - .39 | 1272 | 15 | - .68 |
| 207 | 15 | - .36 | 255 | 15 | - .33 | 902 | 15 | - .55 | 1110 | 15 | - .37 | 1303 | 15 | - .68 |
| 208 | 15 | - .32 | 256 | 15 | - .45 | 903 | 15 | - .55 | 1111 | 15 | - .38 | 1304 | 15 | - .68 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION A

| TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM |
|------|----------|--------|------|----------|--------|-----|----------|--------|-----|----------|--------|------|----------|--------|
| 1307 | 15 | .45 | 1120 | 30 | .24 | 241 | 30 | .47 | 402 | 30 | .35 | 936 | 30 | .50 |
| 1309 | 15 | .37 | 1121 | 30 | .25 | 242 | 30 | .46 | 403 | 30 | .56 | 937 | 30 | .54 |
| 1311 | 15 | .39 | 1122 | 30 | .25 | 243 | 30 | .46 | 404 | 30 | .39 | 938 | 30 | .41 |
| 1313 | 15 | .31 | 1123 | 30 | .29 | 244 | 30 | .46 | 405 | 30 | .35 | 939 | 30 | .39 |
| 1911 | 15 | .38 | 1124 | 30 | .42 | 245 | 30 | .44 | 501 | 30 | .86 | 940 | 30 | .40 |
| 1913 | 15 | .34 | 1125 | 30 | .46 | 246 | 30 | .44 | 502 | 30 | .74 | 941 | 30 | .36 |
| 1914 | 15 | .41 | 1126 | 30 | .43 | 247 | 30 | .44 | 503 | 30 | .82 | 942 | 30 | .37 |
| 1915 | 15 | .39 | 1127 | 30 | .43 | 248 | 30 | .49 | 504 | 30 | .79 | 943 | 30 | .40 |
| 1916 | 15 | .42 | 2001 | 30 | .38 | 249 | 30 | .51 | 505 | 30 | .46 | 944 | 30 | .45 |
| 1917 | 15 | .38 | 2002 | 30 | .41 | 250 | 30 | .51 | 506 | 30 | .43 | 945 | 30 | .52 |
| 1918 | 15 | .38 | 2003 | 30 | .47 | 251 | 30 | .52 | 507 | 30 | .70 | 946 | 30 | .45 |
| 1921 | 15 | .38 | 2004 | 30 | .41 | 252 | 30 | .54 | 508 | 30 | .91 | 1107 | 30 | .13 |
| 1923 | 15 | .38 | 2005 | 30 | .41 | 253 | 30 | .44 | 509 | 30 | .93 | 1108 | 30 | .19 |
| 1924 | 15 | .38 | 2006 | 30 | .42 | 254 | 30 | .44 | 901 | 30 | .59 | 1109 | 30 | .23 |
| 1925 | 15 | .39 | 2007 | 30 | .51 | 255 | 30 | .52 | 902 | 30 | .50 | 1110 | 30 | .17 |
| 1926 | 15 | .39 | 2008 | 30 | .43 | 256 | 30 | .57 | 903 | 30 | .59 | 1111 | 30 | .19 |
| 1927 | 15 | .42 | 2009 | 30 | .44 | 257 | 30 | .60 | 904 | 30 | .65 | 1112 | 30 | .27 |
| 1928 | 15 | .43 | 2101 | 30 | .42 | 258 | 30 | .60 | 905 | 30 | .55 | 1121 | 30 | .30 |
| 1930 | 15 | .38 | 2102 | 30 | .41 | 259 | 30 | .60 | 906 | 30 | .62 | 1126 | 30 | .37 |
| 1932 | 15 | .39 | 2103 | 30 | .39 | 260 | 30 | .62 | 907 | 30 | .91 | 1136 | 30 | .59 |
| 1933 | 15 | .39 | 2104 | 30 | .37 | 261 | 30 | .61 | 908 | 30 | .68 | 1221 | 30 | .65 |
| 1934 | 15 | .41 | 2105 | 30 | .39 | 262 | 30 | .61 | 909 | 30 | .83 | 1222 | 30 | .69 |
| 1935 | 15 | .42 | 2106 | 30 | .38 | 263 | 30 | .61 | 910 | 30 | .57 | 1223 | 30 | .16 |
| 1936 | 15 | .43 | 2107 | 30 | .39 | 264 | 30 | .61 | 911 | 30 | .54 | 1224 | 30 | .14 |
| 1937 | 15 | .41 | 2108 | 30 | .38 | 265 | 30 | .61 | 912 | 30 | .48 | 1225 | 30 | .04 |
| 1939 | 15 | .38 | 2109 | 30 | .40 | 266 | 30 | .61 | 913 | 30 | .64 | 1226 | 30 | .17 |
| 1941 | 15 | .39 | 2201 | 30 | .40 | 267 | 30 | .64 | 914 | 30 | .65 | 1227 | 30 | .32 |
| 1942 | 15 | .41 | 2202 | 30 | .46 | 268 | 30 | .66 | 915 | 30 | .58 | 1230 | 30 | .26 |
| 1943 | 15 | .39 | 2203 | 30 | .39 | 269 | 30 | .66 | 916 | 30 | .66 | 1231 | 30 | .20 |
| 1944 | 15 | .40 | 2204 | 30 | .38 | 270 | 30 | .66 | 917 | 30 | .96 | 1232 | 30 | .22 |
| 1945 | 15 | .42 | 2205 | 30 | .39 | 271 | 30 | .64 | 918 | 30 | .96 | 1233 | 30 | .13 |
| 1946 | 15 | .41 | 2206 | 30 | .36 | 272 | 30 | .61 | 919 | 30 | .11 | 1234 | 30 | .07 |
| 101 | 30 | .39 | 2207 | 30 | .39 | 273 | 30 | .62 | 920 | 30 | .53 | 1235 | 30 | .12 |
| 102 | 30 | .40 | 2208 | 30 | .38 | 301 | 30 | .67 | 921 | 30 | .49 | 1236 | 30 | .29 |
| 103 | 30 | .41 | 2209 | 30 | .39 | 302 | 30 | .64 | 922 | 30 | .49 | 1239 | 30 | .18 |
| 104 | 30 | .39 | 2210 | 30 | .42 | 303 | 30 | .64 | 923 | 30 | .45 | 1240 | 30 | .25 |
| 105 | 30 | .39 | 2211 | 30 | .42 | 304 | 30 | .64 | 924 | 30 | .66 | 1241 | 30 | .26 |
| 106 | 30 | .43 | 2212 | 30 | .42 | 305 | 30 | .48 | 925 | 30 | .60 | 1242 | 30 | .22 |
| 107 | 30 | .41 | 2213 | 30 | .42 | 306 | 30 | .49 | 926 | 30 | .64 | 1243 | 30 | .13 |
| 108 | 30 | .40 | 2214 | 30 | .42 | 307 | 30 | .46 | 927 | 30 | .61 | 1244 | 30 | .13 |
| 109 | 30 | .41 | 2215 | 30 | .42 | 308 | 30 | .54 | 928 | 30 | .84 | 1245 | 30 | .23 |
| 110 | 30 | .40 | 2216 | 30 | .42 | 309 | 30 | .54 | 929 | 30 | .47 | 1248 | 30 | .26 |
| 111 | 30 | .43 | 2217 | 30 | .46 | 310 | 30 | .60 | 930 | 30 | .44 | 1249 | 30 | .27 |
| 112 | 30 | .39 | 2218 | 30 | .41 | 311 | 30 | .60 | 931 | 30 | .44 | 1250 | 30 | .30 |
| 113 | 30 | .41 | 2219 | 30 | .46 | 312 | 30 | .60 | 932 | 30 | .38 | 1251 | 30 | .22 |
| 114 | 30 | .41 | 2220 | 30 | .47 | 313 | 30 | .47 | 933 | 30 | .47 | 1252 | 30 | .14 |
| 115 | 30 | .23 | 2221 | 30 | .47 | 314 | 30 | .84 | 934 | 30 | .53 | 1253 | 30 | .04 |
| 116 | 30 | .26 | 2222 | 30 | .47 | 315 | 30 | .84 | 935 | 30 | .51 | 1254 | 30 | .22 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION A

| TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM |
|------|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|------|----------|--------|
| 1257 | 30 | -.29 | 101 | 45 | -.50 | 225 | 45 | -.43 | 273 | 45 | -.78 | 920 | 45 | -.45 |
| 1258 | 30 | -.33 | 102 | 45 | -.49 | 226 | 45 | -.42 | 301 | 45 | -.14 | 921 | 45 | -.49 |
| 1259 | 30 | -.32 | 103 | 45 | -.49 | 227 | 45 | -.40 | 302 | 45 | -.09 | 922 | 45 | -.59 |
| 1260 | 30 | -.28 | 104 | 45 | -.49 | 228 | 45 | -.41 | 303 | 45 | -.03 | 923 | 45 | -.34 |
| 1261 | 30 | -.16 | 105 | 45 | -.56 | 229 | 45 | -.53 | 304 | 45 | -.01 | 924 | 45 | -.51 |
| 1262 | 30 | -.06 | 106 | 45 | -.61 | 230 | 45 | -.48 | 305 | 45 | -.07 | 925 | 45 | -.62 |
| 1263 | 30 | -.27 | 107 | 45 | -.57 | 231 | 45 | -.46 | 306 | 45 | -.17 | 926 | 45 | -.52 |
| 1266 | 30 | -.59 | 108 | 45 | -.56 | 232 | 45 | -.47 | 307 | 45 | -.14 | 927 | 45 | -.49 |
| 1267 | 30 | -.16 | 109 | 45 | -.54 | 233 | 45 | -.48 | 308 | 45 | -.29 | 928 | 45 | -1.06 |
| 1268 | 30 | -.46 | 110 | 45 | -.50 | 234 | 45 | -.44 | 309 | 45 | -.18 | 929 | 45 | -.47 |
| 1269 | 30 | -.42 | 111 | 45 | -.63 | 235 | 45 | -.44 | 310 | 45 | -.40 | 930 | 45 | -.54 |
| 1270 | 30 | -.21 | 112 | 45 | -.61 | 236 | 45 | -.45 | 311 | 45 | -.26 | 931 | 45 | -.57 |
| 1271 | 30 | -.19 | 113 | 45 | -.54 | 237 | 45 | -.45 | 312 | 45 | -.33 | 932 | 45 | -.22 |
| 1272 | 30 | -.48 | 114 | 45 | -.54 | 238 | 45 | -.53 | 313 | 45 | -.49 | 933 | 45 | -.42 |
| 1303 | 30 | -.30 | 115 | 45 | -.25 | 239 | 45 | -.52 | 314 | 45 | -.55 | 934 | 45 | -.34 |
| 1305 | 30 | -.33 | 116 | 45 | -.27 | 240 | 45 | -.52 | 401 | 45 | -.04 | 935 | 45 | -.29 |
| 1307 | 30 | -.36 | 120 | 45 | -.22 | 241 | 45 | -.51 | 402 | 45 | -.27 | 936 | 45 | -.32 |
| 1309 | 30 | -.44 | 121 | 45 | -.23 | 242 | 45 | -.51 | 403 | 45 | -.36 | 937 | 45 | -.49 |
| 1311 | 30 | -.43 | 125 | 45 | -.24 | 243 | 45 | -.51 | 404 | 45 | -.23 | 938 | 45 | -.48 |
| 1313 | 30 | -.69 | 126 | 45 | -.25 | 244 | 45 | -.50 | 405 | 45 | -.08 | 939 | 45 | -.50 |
| 1911 | 30 | -.06 | 130 | 45 | -.38 | 245 | 45 | -.48 | 501 | 45 | -.17 | 940 | 45 | -.66 |
| 1913 | 30 | -.17 | 131 | 45 | -.43 | 246 | 45 | -.47 | 502 | 45 | -.15 | 941 | 45 | -.08 |
| 1914 | 30 | -.23 | 135 | 45 | -.41 | 247 | 45 | -.54 | 503 | 45 | -.18 | 942 | 45 | -.30 |
| 1915 | 30 | -.30 | 136 | 45 | -.36 | 248 | 45 | -.52 | 504 | 45 | -.28 | 943 | 45 | -.38 |
| 1916 | 30 | -.31 | 201 | 45 | -.44 | 249 | 45 | -.55 | 505 | 45 | -.46 | 944 | 45 | -.53 |
| 1917 | 30 | -.31 | 202 | 45 | -.44 | 250 | 45 | -.55 | 506 | 45 | -.56 | 945 | 45 | -.75 |
| 1918 | 30 | -.30 | 203 | 45 | -.49 | 251 | 45 | -.57 | 507 | 45 | -.89 | 946 | 45 | -.67 |
| 1921 | 30 | -.15 | 204 | 45 | -.45 | 252 | 45 | -.56 | 508 | 45 | -.31 | 1107 | 45 | -.03 |
| 1923 | 30 | -.24 | 205 | 45 | -.46 | 253 | 45 | -.54 | 509 | 45 | -.44 | 1108 | 45 | -.04 |
| 1924 | 30 | -.30 | 206 | 45 | -.45 | 254 | 45 | -.51 | 901 | 45 | -.71 | 1109 | 45 | -.05 |
| 1925 | 30 | -.31 | 207 | 45 | -.47 | 255 | 45 | -.51 | 902 | 45 | -.66 | 1110 | 45 | -.08 |
| 1926 | 30 | -.32 | 208 | 45 | -.44 | 256 | 45 | -.57 | 903 | 45 | -.45 | 1111 | 45 | -.09 |
| 1927 | 30 | -.32 | 209 | 45 | -.45 | 257 | 45 | -.54 | 904 | 45 | -.51 | 1116 | 45 | -.21 |
| 1928 | 30 | -.31 | 210 | 45 | -.47 | 258 | 45 | -.56 | 905 | 45 | -.60 | 1121 | 45 | -.29 |
| 1930 | 30 | -.21 | 211 | 45 | -.48 | 259 | 45 | -.60 | 906 | 45 | -.93 | 1126 | 45 | -.32 |
| 1932 | 30 | -.27 | 212 | 45 | -.46 | 260 | 45 | -.63 | 907 | 45 | -.35 | 1136 | 45 | -.56 |
| 1933 | 30 | -.31 | 213 | 45 | -.42 | 261 | 45 | -.62 | 908 | 45 | -.14 | 1221 | 45 | -.21 |
| 1934 | 30 | -.32 | 214 | 45 | -.43 | 262 | 45 | -.59 | 909 | 45 | -.21 | 1222 | 45 | -.09 |
| 1935 | 30 | -.31 | 215 | 45 | -.43 | 263 | 45 | -.55 | 910 | 45 | -.66 | 1223 | 45 | -.05 |
| 1936 | 30 | -.32 | 216 | 45 | -.43 | 264 | 45 | -.55 | 911 | 45 | -.66 | 1224 | 45 | -.08 |
| 1937 | 30 | -.34 | 217 | 45 | -.42 | 265 | 45 | -.74 | 912 | 45 | -.64 | 1225 | 45 | -.16 |
| 1939 | 30 | -.18 | 218 | 45 | -.42 | 266 | 45 | -.75 | 913 | 45 | -.48 | 1226 | 45 | -.30 |
| 1941 | 30 | -.22 | 219 | 45 | -.41 | 267 | 45 | -.81 | 914 | 45 | -.52 | 1227 | 45 | -.39 |
| 1942 | 30 | -.27 | 220 | 45 | -.49 | 268 | 45 | -.85 | 915 | 45 | -.62 | 1230 | 45 | -.06 |
| 1943 | 30 | -.32 | 221 | 45 | -.49 | 269 | 45 | -.89 | 916 | 45 | -.93 | 1231 | 45 | -.00 |
| 1944 | 30 | -.33 | 222 | 45 | -.44 | 270 | 45 | -.89 | 917 | 45 | -.59 | 1232 | 45 | -.00 |
| 1945 | 30 | -.33 | 223 | 45 | -.43 | 271 | 45 | -.83 | 918 | 45 | -.17 | 1233 | 45 | -.10 |
| 1946 | 30 | -.38 | 224 | 45 | -.43 | 272 | 45 | -.76 | 919 | 45 | -.10 | 1234 | 45 | -.16 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION A

| TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM |
|-------|----------|--------|------|----------|--------|-----|----------|--------|-----|----------|--------|------|----------|--------|
| 1233 | 45 | .30 | 1927 | 45 | -.27 | 209 | 60 | -.38 | 257 | 60 | -.63 | 904 | 60 | -.32 |
| 12335 | 45 | .40 | 1928 | 45 | -.26 | 210 | 60 | -.43 | 258 | 60 | -.62 | 905 | 60 | -.57 |
| 12336 | 45 | .01 | 1930 | 45 | -.01 | 211 | 60 | -.42 | 259 | 60 | -.62 | 906 | 60 | -.05 |
| 1240 | 45 | .00 | 1932 | 45 | -.14 | 212 | 60 | -.41 | 260 | 60 | -.58 | 907 | 60 | -.12 |
| 1241 | 45 | .02 | 1933 | 45 | -.19 | 213 | 60 | -.42 | 261 | 60 | -.55 | 908 | 60 | -.92 |
| 1242 | 45 | .05 | 1934 | 45 | -.23 | 214 | 60 | -.41 | 262 | 60 | -.53 | 909 | 60 | -.36 |
| 1243 | 45 | .20 | 1935 | 45 | -.26 | 215 | 60 | -.41 | 263 | 60 | -.50 | 910 | 60 | -.40 |
| 1244 | 45 | .34 | 1936 | 45 | -.26 | 216 | 60 | -.39 | 264 | 60 | -.50 | 911 | 60 | -.46 |
| 12445 | 45 | .41 | 1937 | 45 | -.46 | 217 | 60 | -.36 | 265 | 60 | -.97 | 912 | 60 | -.91 |
| 1248 | 45 | .00 | 1939 | 45 | -.04 | 218 | 60 | -.36 | 266 | 60 | -.85 | 913 | 60 | -.15 |
| 1249 | 45 | .04 | 1941 | 45 | -.01 | 219 | 60 | -.35 | 267 | 60 | -.87 | 914 | 60 | -.33 |
| 1250 | 45 | .04 | 1942 | 45 | -.09 | 220 | 60 | -.44 | 268 | 60 | -.88 | 915 | 60 | -.65 |
| 12505 | 45 | .09 | 1943 | 45 | -.15 | 221 | 60 | -.41 | 269 | 60 | -.84 | 916 | 60 | -.75 |
| 12509 | 45 | .20 | 1944 | 45 | -.17 | 222 | 60 | -.40 | 270 | 60 | -.79 | 917 | 60 | -.20 |
| 12511 | 45 | .32 | 1945 | 45 | -.15 | 223 | 60 | -.40 | 271 | 60 | -.76 | 918 | 60 | -.51 |
| 12512 | 45 | .42 | 1946 | 45 | -.37 | 224 | 60 | -.39 | 272 | 60 | -.70 | 919 | 60 | -.51 |
| 12513 | 45 | .62 | 101 | 60 | -.53 | 225 | 60 | -.37 | 273 | 60 | -.71 | 920 | 60 | -.47 |
| 12514 | 45 | .82 | 102 | 60 | -.53 | 226 | 60 | -.34 | 301 | 60 | -.30 | 921 | 60 | -.62 |
| 12515 | 45 | .99 | 103 | 60 | -.49 | 227 | 60 | -.35 | 302 | 60 | -.36 | 922 | 60 | -.77 |
| 12516 | 45 | 1.19 | 104 | 60 | -.52 | 228 | 60 | -.36 | 303 | 60 | -.30 | 923 | 60 | -.04 |
| 12517 | 45 | 1.33 | 105 | 60 | -.50 | 229 | 60 | -.43 | 304 | 60 | -.46 | 924 | 60 | -.29 |
| 12518 | 45 | 1.41 | 106 | 60 | -.61 | 230 | 60 | -.45 | 305 | 60 | -.28 | 925 | 60 | -.32 |
| 12519 | 45 | 1.60 | 107 | 60 | -.61 | 231 | 60 | -.46 | 306 | 60 | -.45 | 926 | 60 | -.32 |
| 12520 | 45 | 1.80 | 108 | 60 | -.61 | 232 | 60 | -.44 | 307 | 60 | -.24 | 927 | 60 | -.52 |
| 12521 | 45 | 2.00 | 109 | 60 | -.55 | 233 | 60 | -.44 | 308 | 60 | -.41 | 928 | 60 | -.99 |
| 12522 | 45 | 2.27 | 110 | 60 | -.49 | 234 | 60 | -.41 | 309 | 60 | -.22 | 929 | 60 | -.40 |
| 12523 | 45 | 2.53 | 111 | 60 | -.64 | 235 | 60 | -.42 | 310 | 60 | -.41 | 930 | 60 | -.55 |
| 12524 | 45 | 2.77 | 112 | 60 | -.63 | 236 | 60 | -.40 | 311 | 60 | -.22 | 931 | 60 | -.90 |
| 12525 | 45 | 3.03 | 113 | 60 | -.59 | 237 | 60 | -.38 | 312 | 60 | -.41 | 932 | 60 | -.23 |
| 12526 | 45 | 3.28 | 114 | 60 | -.50 | 238 | 60 | -.58 | 313 | 60 | -.19 | 933 | 60 | -.07 |
| 12527 | 45 | 3.53 | 115 | 60 | -.30 | 239 | 60 | -.50 | 314 | 60 | -.34 | 934 | 60 | -.14 |
| 12528 | 45 | 3.79 | 116 | 60 | -.33 | 240 | 60 | -.50 | 401 | 60 | -.16 | 935 | 60 | -.30 |
| 12529 | 45 | 4.04 | 120 | 60 | -.22 | 241 | 60 | -.47 | 402 | 60 | -.11 | 936 | 60 | -.83 |
| 12530 | 45 | 4.29 | 121 | 60 | -.25 | 242 | 60 | -.48 | 403 | 60 | -.02 | 937 | 60 | -.86 |
| 12531 | 45 | 4.54 | 125 | 60 | -.23 | 243 | 60 | -.44 | 404 | 60 | -.24 | 938 | 60 | -.42 |
| 12532 | 45 | 4.79 | 126 | 60 | -.26 | 244 | 60 | -.42 | 405 | 60 | -.01 | 939 | 60 | -.56 |
| 12533 | 45 | 5.04 | 130 | 60 | -.36 | 245 | 60 | -.40 | 501 | 60 | -.85 | 940 | 60 | -.83 |
| 12534 | 45 | 5.29 | 131 | 60 | -.38 | 246 | 60 | -.40 | 502 | 60 | -.91 | 941 | 60 | -.13 |
| 12535 | 45 | 5.54 | 135 | 60 | -.32 | 247 | 60 | -.63 | 503 | 60 | -.95 | 942 | 60 | -.20 |
| 12536 | 45 | 5.79 | 136 | 60 | -.39 | 248 | 60 | -.56 | 504 | 60 | -.96 | 943 | 60 | -.32 |
| 12537 | 45 | 6.04 | 201 | 60 | -.39 | 249 | 60 | -.53 | 505 | 60 | -.72 | 944 | 60 | -.53 |
| 12538 | 45 | 6.29 | 202 | 60 | -.38 | 250 | 60 | -.57 | 506 | 60 | -.89 | 945 | 60 | -.89 |
| 12539 | 45 | 6.54 | 203 | 60 | -.38 | 251 | 60 | -.52 | 507 | 60 | -.94 | 946 | 60 | -.72 |
| 12540 | 45 | 6.79 | 204 | 60 | -.38 | 252 | 60 | -.50 | 508 | 60 | -.07 | 1107 | 60 | -.10 |
| 12541 | 45 | 7.04 | 205 | 60 | -.36 | 253 | 60 | -.46 | 509 | 60 | -.14 | 1108 | 60 | -.06 |
| 12542 | 45 | 7.29 | 206 | 60 | -.35 | 254 | 60 | -.44 | 901 | 60 | -.58 | 1109 | 60 | -.08 |
| 12543 | 45 | 7.54 | 207 | 60 | -.39 | 255 | 60 | -.44 | 902 | 60 | -.94 | 1110 | 60 | -.17 |
| 12544 | 45 | 7.79 | 208 | 60 | -.37 | 256 | 60 | -.73 | 903 | 60 | -.19 | 1111 | 60 | -.02 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-YANDBERG CONFIGURATION A

| TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM |
|------|----------|--------|------|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|
| 1116 | 60 | .14 | 1307 | 60 | .21 | 120 | 75 | .27 | 241 | 75 | .44 | 402 | 75 | .02 |
| 1121 | 60 | .19 | 1309 | 60 | .26 | 121 | 75 | .28 | 242 | 75 | .48 | 403 | 75 | .16 |
| 1126 | 60 | .21 | 1311 | 60 | .24 | 123 | 75 | .26 | 243 | 75 | .46 | 404 | 75 | .19 |
| 1136 | 60 | .30 | 1313 | 60 | .45 | 126 | 75 | .30 | 244 | 75 | .43 | 405 | 75 | .15 |
| 1221 | 60 | .27 | 1911 | 60 | .21 | 130 | 75 | .40 | 245 | 75 | .42 | 501 | 75 | .62 |
| 1222 | 60 | .14 | 1913 | 60 | .09 | 131 | 75 | .43 | 246 | 75 | .41 | 502 | 75 | .64 |
| 1223 | 60 | .12 | 1914 | 60 | .00 | 133 | 75 | .37 | 247 | 75 | .47 | 503 | 75 | .63 |
| 1224 | 60 | .13 | 1915 | 60 | .09 | 136 | 75 | .40 | 248 | 75 | .45 | 504 | 75 | .64 |
| 1223 | 60 | .19 | 1916 | 60 | .11 | 201 | 75 | .37 | 249 | 75 | .48 | 505 | 75 | .66 |
| 1226 | 60 | .29 | 1917 | 60 | .18 | 202 | 75 | .36 | 250 | 75 | .51 | 506 | 75 | .64 |
| 1227 | 60 | .34 | 1918 | 60 | .19 | 203 | 75 | .35 | 251 | 75 | .57 | 507 | 75 | .65 |
| 1230 | 60 | .01 | 1921 | 60 | .12 | 204 | 75 | .44 | 252 | 75 | .56 | 508 | 75 | .62 |
| 1231 | 60 | .07 | 1923 | 60 | .03 | 205 | 75 | .43 | 253 | 75 | .52 | 509 | 75 | .60 |
| 1232 | 60 | .06 | 1924 | 60 | .03 | 206 | 75 | .47 | 254 | 75 | .49 | 901 | 75 | .27 |
| 1233 | 60 | .13 | 1925 | 60 | .08 | 207 | 75 | .40 | 255 | 75 | .49 | 902 | 75 | .58 |
| 1234 | 60 | .20 | 1926 | 60 | .14 | 208 | 75 | .43 | 256 | 75 | .51 | 903 | 75 | .03 |
| 1235 | 60 | .32 | 1927 | 60 | .17 | 209 | 75 | .44 | 257 | 75 | .50 | 904 | 75 | .19 |
| 1236 | 60 | .33 | 1928 | 60 | .21 | 210 | 75 | .38 | 258 | 75 | .52 | 905 | 75 | .40 |
| 1239 | 60 | .09 | 1930 | 60 | .10 | 211 | 75 | .34 | 259 | 75 | .56 | 906 | 75 | .64 |
| 1240 | 60 | .06 | 1932 | 60 | .02 | 212 | 75 | .36 | 260 | 75 | .62 | 907 | 75 | .62 |
| 1241 | 60 | .06 | 1933 | 60 | .02 | 213 | 75 | .35 | 261 | 75 | .62 | 908 | 75 | .40 |
| 1242 | 60 | .14 | 1934 | 60 | .06 | 214 | 75 | .36 | 262 | 75 | .61 | 909 | 75 | .56 |
| 1243 | 60 | .20 | 1935 | 60 | .10 | 215 | 75 | .42 | 263 | 75 | .58 | 910 | 75 | .14 |
| 1244 | 60 | .33 | 1936 | 60 | .12 | 216 | 75 | .43 | 264 | 75 | .55 | 911 | 75 | .28 |
| 1245 | 60 | .33 | 1937 | 60 | .27 | 217 | 75 | .41 | 265 | 75 | .71 | 912 | 75 | .63 |
| 1248 | 60 | .07 | 1939 | 60 | .16 | 218 | 75 | .40 | 266 | 75 | .69 | 913 | 75 | .01 |
| 1249 | 60 | .04 | 1941 | 60 | .13 | 219 | 75 | .39 | 267 | 75 | .73 | 914 | 75 | .18 |
| 1250 | 60 | .06 | 1942 | 60 | .08 | 220 | 75 | .38 | 268 | 75 | .78 | 915 | 75 | .40 |
| 1251 | 60 | .15 | 1943 | 60 | .03 | 221 | 75 | .35 | 269 | 75 | .82 | 916 | 75 | .50 |
| 1252 | 60 | .23 | 1944 | 60 | .01 | 222 | 75 | .36 | 270 | 75 | .85 | 917 | 75 | .42 |
| 1253 | 60 | .36 | 1945 | 60 | .03 | 223 | 75 | .37 | 271 | 75 | .83 | 918 | 75 | .35 |
| 1254 | 60 | .36 | 1946 | 60 | .26 | 224 | 75 | .39 | 272 | 75 | .75 | 919 | 75 | .53 |
| 1257 | 60 | .06 | 101 | 75 | .33 | 225 | 75 | .41 | 273 | 75 | .80 | 920 | 75 | .22 |
| 1258 | 60 | .06 | 102 | 75 | .35 | 226 | 75 | .43 | 301 | 75 | .39 | 921 | 75 | .31 |
| 1259 | 60 | .10 | 103 | 75 | .34 | 227 | 75 | .38 | 302 | 75 | .32 | 922 | 75 | .66 |
| 1260 | 60 | .15 | 104 | 75 | .34 | 228 | 75 | .38 | 303 | 75 | .50 | 923 | 75 | .13 |
| 1261 | 60 | .23 | 105 | 75 | .32 | 229 | 75 | .38 | 304 | 75 | .42 | 924 | 75 | .07 |
| 1262 | 60 | .33 | 106 | 75 | .37 | 230 | 75 | .35 | 305 | 75 | .47 | 925 | 75 | .21 |
| 1263 | 60 | .40 | 107 | 75 | .36 | 231 | 75 | .35 | 306 | 75 | .42 | 926 | 75 | .47 |
| 1266 | 60 | .03 | 108 | 75 | .36 | 232 | 75 | .40 | 307 | 75 | .48 | 927 | 75 | .61 |
| 1267 | 60 | .28 | 109 | 75 | .34 | 233 | 75 | .42 | 308 | 75 | .47 | 928 | 75 | .61 |
| 1268 | 60 | .15 | 110 | 75 | .34 | 234 | 75 | .43 | 309 | 75 | .50 | 929 | 75 | .20 |
| 1269 | 60 | .22 | 111 | 75 | .37 | 235 | 75 | .40 | 310 | 75 | .46 | 930 | 75 | .31 |
| 1270 | 60 | .32 | 112 | 75 | .36 | 236 | 75 | .37 | 311 | 75 | .52 | 931 | 75 | .65 |
| 1271 | 60 | .44 | 113 | 75 | .37 | 237 | 75 | .39 | 312 | 75 | .47 | 932 | 75 | .16 |
| 1272 | 60 | .56 | 114 | 75 | .34 | 238 | 75 | .43 | 313 | 75 | .53 | 933 | 75 | .04 |
| 1303 | 60 | .18 | 115 | 75 | .27 | 239 | 75 | .41 | 314 | 75 | .48 | 934 | 75 | .32 |
| 1305 | 60 | .19 | 116 | 75 | .27 | 240 | 75 | .41 | 401 | 75 | .20 | 935 | 75 | .61 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION A

| TAP | AZI-NUTH | ANSCPM | TAP | AZI-NUTH | ANSCPM | TAP | AZI-NUTH | ANSCPM | TAP | AZI-NUTH | ANSCPM | TAP | AZI-NUTH | ANSCPM |
|------|----------|--------|------|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|
| 936 | 75 | .66 | 1257 | 75 | .15 | 101 | 90 | -.18 | 225 | 90 | -.32 | 273 | 90 | -1.09 |
| 937 | 75 | .64 | 1258 | 75 | .17 | 102 | 90 | -.18 | 226 | 90 | -.57 | 301 | 90 | .29 |
| 938 | 75 | .26 | 1259 | 75 | .18 | 103 | 90 | -.19 | 227 | 90 | -.59 | 302 | 90 | .17 |
| 939 | 75 | .23 | 1260 | 75 | .25 | 104 | 90 | -.18 | 228 | 90 | -.62 | 303 | 90 | .52 |
| 940 | 75 | .43 | 1261 | 75 | .29 | 105 | 90 | -.20 | 229 | 90 | -.28 | 304 | 90 | .20 |
| 941 | 75 | .31 | 1262 | 75 | .34 | 106 | 90 | -.18 | 230 | 90 | -.13 | 305 | 90 | .51 |
| 942 | 75 | .33 | 1263 | 75 | .35 | 107 | 90 | -.19 | 231 | 90 | -.13 | 306 | 90 | .19 |
| 943 | 75 | .36 | 1264 | 75 | .20 | 108 | 90 | -.18 | 232 | 90 | -.15 | 307 | 90 | .54 |
| 944 | 75 | .67 | 1265 | 75 | .35 | 109 | 90 | -.18 | 233 | 90 | -.25 | 308 | 90 | .21 |
| 945 | 75 | .64 | 1266 | 75 | .28 | 110 | 90 | -.18 | 234 | 90 | -.45 | 309 | 90 | .57 |
| 946 | 75 | .62 | 1267 | 75 | .32 | 111 | 90 | -.18 | 235 | 90 | -.56 | 310 | 90 | .21 |
| 1107 | 75 | .19 | 1268 | 75 | .38 | 112 | 90 | -.18 | 236 | 90 | -.54 | 311 | 90 | .55 |
| 1108 | 75 | .16 | 1269 | 75 | .42 | 113 | 90 | -.16 | 237 | 90 | -.53 | 312 | 90 | .15 |
| 1109 | 75 | .19 | 1270 | 75 | .49 | 114 | 90 | -.16 | 238 | 90 | -.15 | 313 | 90 | .42 |
| 1110 | 75 | .25 | 1271 | 75 | .01 | 115 | 90 | -.18 | 239 | 90 | -.13 | 314 | 90 | .01 |
| 1111 | 75 | .08 | 1303 | 75 | .01 | 116 | 90 | -.18 | 240 | 90 | -.14 | 401 | 90 | .26 |
| 1116 | 75 | .02 | 1307 | 75 | .02 | 120 | 90 | -.20 | 241 | 90 | -.18 | 402 | 90 | .12 |
| 1121 | 75 | .00 | 1309 | 75 | .00 | 121 | 90 | -.19 | 242 | 90 | -.30 | 403 | 90 | .15 |
| 1126 | 75 | .01 | 1311 | 75 | .05 | 123 | 90 | -.21 | 243 | 90 | -.48 | 404 | 90 | .21 |
| 1136 | 75 | .03 | 1313 | 75 | .01 | 125 | 90 | -.22 | 244 | 90 | -.60 | 405 | 90 | .19 |
| 1221 | 75 | .33 | 1911 | 75 | .27 | 130 | 90 | -.35 | 245 | 90 | -.55 | 501 | 90 | .39 |
| 1222 | 75 | .22 | 1913 | 75 | .16 | 131 | 90 | -.35 | 246 | 90 | -.55 | 502 | 90 | .33 |
| 1223 | 75 | .22 | 1914 | 75 | .18 | 135 | 90 | -.35 | 247 | 90 | -.20 | 503 | 90 | .41 |
| 1224 | 75 | .20 | 1915 | 75 | .14 | 136 | 90 | -.30 | 248 | 90 | -.14 | 504 | 90 | .43 |
| 1225 | 75 | .25 | 1916 | 75 | .15 | 201 | 90 | -.15 | 249 | 90 | -.14 | 505 | 90 | .39 |
| 1226 | 75 | .35 | 1917 | 75 | .11 | 202 | 90 | -.11 | 250 | 90 | -.20 | 506 | 90 | .41 |
| 1227 | 75 | .31 | 1918 | 75 | .05 | 203 | 90 | -.17 | 251 | 90 | -.30 | 507 | 90 | .41 |
| 1230 | 75 | .08 | 1921 | 75 | .21 | 204 | 90 | -.49 | 252 | 90 | -.54 | 508 | 90 | .44 |
| 1231 | 75 | .16 | 1923 | 75 | .16 | 205 | 90 | -.58 | 253 | 90 | -.71 | 509 | 90 | .42 |
| 1232 | 75 | .15 | 1924 | 75 | .14 | 206 | 90 | -.82 | 254 | 90 | -.66 | 901 | 90 | .05 |
| 1233 | 75 | .21 | 1925 | 75 | .13 | 207 | 90 | -.31 | 255 | 90 | -.68 | 902 | 90 | .38 |
| 1234 | 75 | .24 | 1926 | 75 | .12 | 208 | 90 | -.70 | 256 | 90 | -.16 | 903 | 90 | .06 |
| 1235 | 75 | .32 | 1927 | 75 | .07 | 209 | 90 | -.75 | 257 | 90 | -.15 | 904 | 90 | .29 |
| 1236 | 75 | .27 | 1928 | 75 | .01 | 210 | 90 | -.09 | 258 | 90 | -.16 | 905 | 90 | .47 |
| 1237 | 75 | .16 | 1930 | 75 | .21 | 211 | 90 | -.09 | 259 | 90 | -.19 | 906 | 90 | .45 |
| 1240 | 75 | .15 | 1932 | 75 | .16 | 212 | 90 | -.10 | 260 | 90 | -.31 | 907 | 90 | .41 |
| 1241 | 75 | .15 | 1933 | 75 | .15 | 213 | 90 | -.12 | 261 | 90 | -.34 | 908 | 90 | .43 |
| 1242 | 75 | .20 | 1934 | 75 | .14 | 214 | 90 | -.21 | 262 | 90 | -.77 | 909 | 90 | .66 |
| 1243 | 75 | .25 | 1935 | 75 | .11 | 215 | 90 | -.37 | 263 | 90 | -.81 | 910 | 90 | .03 |
| 1244 | 75 | .29 | 1936 | 75 | .08 | 216 | 90 | -.43 | 264 | 90 | -.77 | 911 | 90 | .13 |
| 1245 | 75 | .28 | 1937 | 75 | .00 | 217 | 90 | -.55 | 265 | 90 | -.22 | 912 | 90 | .46 |
| 1246 | 75 | .15 | 1939 | 75 | .23 | 218 | 90 | -.62 | 266 | 90 | -.22 | 913 | 90 | .14 |
| 1249 | 75 | .15 | 1941 | 75 | .22 | 219 | 90 | -.59 | 267 | 90 | -.23 | 914 | 90 | .25 |
| 1250 | 75 | .15 | 1942 | 75 | .20 | 220 | 90 | -.04 | 268 | 90 | -.29 | 915 | 90 | .40 |
| 1251 | 75 | .22 | 1943 | 75 | .18 | 221 | 90 | -.08 | 269 | 90 | -.34 | 916 | 90 | .43 |
| 1252 | 75 | .27 | 1944 | 75 | .15 | 222 | 90 | -.11 | 270 | 90 | -.57 | 917 | 90 | .41 |
| 1253 | 75 | .33 | 1945 | 75 | .12 | 223 | 90 | -.14 | 271 | 90 | -.60 | 918 | 90 | .36 |
| 1254 | 75 | .31 | 1946 | 75 | .03 | 224 | 90 | -.19 | 272 | 90 | -.67 | 919 | 90 | .68 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION A

| TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM |
|------|----------|--------|------|----------|--------|------|----------|--------|-----|----------|--------|-----|----------|--------|
| 920 | 90 | .09 | 1235 | 90 | .29 | 1927 | 90 | .25 | 209 | 105 | -.49 | 257 | 105 | -.13 |
| 921 | 90 | -.15 | 1236 | 90 | .24 | 1928 | 90 | .17 | 210 | 105 | -.13 | 258 | 105 | -.05 |
| 922 | 90 | -.25 | 1239 | 90 | .21 | 1930 | 90 | .28 | 211 | 105 | -.10 | 259 | 105 | -.03 |
| 923 | 90 | -.12 | 1240 | 90 | .20 | 1932 | 90 | .29 | 212 | 105 | -.06 | 260 | 105 | -.01 |
| 924 | 90 | -.31 | 1241 | 90 | .20 | 1933 | 90 | .26 | 213 | 105 | -.05 | 261 | 105 | -.04 |
| 925 | 90 | -.46 | 1242 | 90 | .23 | 1934 | 90 | .25 | 214 | 105 | -.08 | 262 | 105 | -.02 |
| 926 | 90 | -.52 | 1243 | 90 | .25 | 1935 | 90 | .24 | 215 | 105 | -.19 | 263 | 105 | -.31 |
| 927 | 90 | -.40 | 1244 | 90 | .28 | 1936 | 90 | .26 | 216 | 105 | -.16 | 264 | 105 | -.28 |
| 928 | 90 | -.45 | 1245 | 90 | .25 | 1937 | 90 | .14 | 217 | 105 | -.11 | 265 | 105 | -.19 |
| 929 | 90 | -.14 | 1248 | 90 | .20 | 1939 | 90 | .31 | 218 | 105 | -.40 | 266 | 105 | -.15 |
| 930 | 90 | -.16 | 1249 | 90 | .20 | 1941 | 90 | .28 | 219 | 105 | -.41 | 267 | 105 | -.07 |
| 931 | 90 | -.21 | 1250 | 90 | .22 | 1942 | 90 | .26 | 220 | 105 | -.09 | 268 | 105 | -.05 |
| 932 | 90 | -.19 | 1251 | 90 | .26 | 1943 | 90 | .26 | 221 | 105 | -.11 | 269 | 105 | -.01 |
| 933 | 90 | -.34 | 1252 | 90 | .28 | 1944 | 90 | .23 | 222 | 105 | -.06 | 270 | 105 | -.06 |
| 934 | 90 | -.47 | 1253 | 90 | .28 | 1945 | 90 | .24 | 223 | 105 | -.02 | 271 | 105 | -.07 |
| 935 | 90 | -.54 | 1254 | 90 | .28 | 1946 | 90 | .14 | 224 | 105 | -.03 | 272 | 105 | -.27 |
| 936 | 90 | -.49 | 1257 | 90 | .22 | 101 | 105 | -.33 | 225 | 105 | -.03 | 273 | 105 | -.28 |
| 937 | 90 | -.43 | 1258 | 90 | .24 | 102 | 105 | -.31 | 226 | 105 | -.05 | 301 | 105 | -.19 |
| 938 | 90 | -.19 | 1259 | 90 | .25 | 103 | 105 | -.27 | 227 | 105 | -.34 | 302 | 105 | -.09 |
| 939 | 90 | -.18 | 1260 | 90 | .29 | 104 | 105 | -.25 | 228 | 105 | -.33 | 303 | 105 | -.39 |
| 940 | 90 | -.24 | 1261 | 90 | .31 | 105 | 105 | -.26 | 229 | 105 | -.34 | 304 | 105 | -.07 |
| 941 | 90 | -.21 | 1262 | 90 | .33 | 106 | 105 | -.28 | 230 | 105 | -.15 | 305 | 105 | -.44 |
| 942 | 90 | -.39 | 1263 | 90 | .30 | 107 | 105 | -.29 | 231 | 105 | -.07 | 306 | 105 | -.08 |
| 943 | 90 | -.47 | 1266 | 90 | .32 | 108 | 105 | -.28 | 232 | 105 | -.03 | 307 | 105 | -.44 |
| 944 | 90 | -.50 | 1267 | 90 | .40 | 109 | 105 | -.27 | 233 | 105 | -.01 | 308 | 105 | -.11 |
| 945 | 90 | -.47 | 1268 | 90 | .36 | 110 | 105 | -.26 | 234 | 105 | -.01 | 309 | 105 | -.43 |
| 946 | 90 | -.38 | 1269 | 90 | .43 | 111 | 105 | -.28 | 235 | 105 | -.02 | 310 | 105 | -.08 |
| 1107 | 90 | -.32 | 1270 | 90 | .42 | 112 | 105 | -.28 | 236 | 105 | -.35 | 311 | 105 | -.44 |
| 1108 | 90 | -.31 | 1271 | 90 | .43 | 113 | 105 | -.27 | 237 | 105 | -.36 | 312 | 105 | -.05 |
| 1109 | 90 | -.30 | 1272 | 90 | .49 | 114 | 105 | -.28 | 238 | 105 | -.20 | 313 | 105 | -.32 |
| 1110 | 90 | -.29 | 1303 | 90 | .27 | 115 | 105 | -.27 | 239 | 105 | -.12 | 314 | 105 | -.00 |
| 1111 | 90 | -.26 | 1305 | 90 | .24 | 116 | 105 | -.23 | 240 | 105 | -.06 | 401 | 105 | -.22 |
| 1116 | 90 | -.13 | 1307 | 90 | .26 | 120 | 105 | -.27 | 241 | 105 | -.03 | 402 | 105 | -.32 |
| 1121 | 90 | -.22 | 1309 | 90 | .28 | 121 | 105 | -.26 | 242 | 105 | -.00 | 403 | 105 | -.19 |
| 1126 | 90 | -.16 | 1311 | 90 | .36 | 125 | 105 | -.32 | 243 | 105 | -.02 | 404 | 105 | -.03 |
| 1136 | 90 | -.25 | 1313 | 90 | .38 | 126 | 105 | -.29 | 244 | 105 | -.00 | 405 | 105 | -.09 |
| 1221 | 90 | -.36 | 1911 | 90 | .35 | 130 | 105 | -.49 | 245 | 105 | -.30 | 501 | 105 | -.56 |
| 1222 | 90 | -.27 | 1913 | 90 | .29 | 131 | 105 | -.45 | 246 | 105 | -.29 | 502 | 105 | -.53 |
| 1223 | 90 | -.26 | 1914 | 90 | .29 | 135 | 105 | -.46 | 247 | 105 | -.21 | 503 | 105 | -.51 |
| 1224 | 90 | -.23 | 1915 | 90 | .25 | 136 | 105 | -.42 | 248 | 105 | -.13 | 504 | 105 | -.50 |
| 1225 | 90 | -.27 | 1916 | 90 | .26 | 201 | 105 | -.20 | 249 | 105 | -.05 | 505 | 105 | -.58 |
| 1226 | 90 | -.34 | 1917 | 90 | .28 | 202 | 105 | -.14 | 250 | 105 | -.03 | 506 | 105 | -.52 |
| 1227 | 90 | -.26 | 1918 | 90 | .33 | 203 | 105 | -.19 | 251 | 105 | -.06 | 507 | 105 | -.47 |
| 1230 | 90 | -.16 | 1921 | 90 | .30 | 204 | 105 | -.40 | 252 | 105 | -.03 | 508 | 105 | -.42 |
| 1231 | 90 | -.21 | 1923 | 90 | .27 | 205 | 105 | -.22 | 253 | 105 | -.01 | 509 | 105 | -.40 |
| 1232 | 90 | -.21 | 1924 | 90 | .27 | 206 | 105 | -.24 | 254 | 105 | -.34 | 901 | 105 | -.23 |
| 1233 | 90 | -.24 | 1925 | 90 | .24 | 207 | 105 | -.26 | 255 | 105 | -.32 | 902 | 105 | -.20 |
| 1234 | 90 | -.27 | 1926 | 90 | .26 | 208 | 105 | -.42 | 256 | 105 | -.16 | 903 | 105 | -.19 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION A

| TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM |
|------|----------|--------|------|----------|--------|------|----------|--------|-----|----------|--------|-----|----------|--------|
| 904 | 105 | .31 | 1116 | 105 | .08 | 1307 | 105 | .28 | 120 | 120 | .41 | 241 | 120 | .10 |
| 905 | 105 | .36 | 1121 | 105 | .24 | 1309 | 105 | .29 | 121 | 120 | .39 | 242 | 120 | .16 |
| 906 | 105 | .41 | 1126 | 105 | .11 | 1311 | 105 | .37 | 123 | 120 | .40 | 243 | 120 | .22 |
| 907 | 105 | .42 | 1136 | 105 | .16 | 1313 | 105 | .43 | 126 | 120 | .37 | 244 | 120 | .28 |
| 908 | 105 | .42 | 1221 | 105 | .20 | 1911 | 105 | .31 | 130 | 120 | .58 | 245 | 120 | .39 |
| 909 | 105 | .47 | 1222 | 105 | .18 | 1913 | 105 | .25 | 131 | 120 | .56 | 246 | 120 | .27 |
| 910 | 105 | .17 | 1223 | 105 | .16 | 1914 | 105 | .24 | 135 | 120 | .66 | 247 | 120 | .20 |
| 911 | 105 | .22 | 1224 | 105 | .14 | 1915 | 105 | .20 | 136 | 120 | .55 | 248 | 120 | .06 |
| 912 | 105 | .23 | 1225 | 105 | .14 | 1916 | 105 | .23 | 201 | 120 | .33 | 249 | 120 | .06 |
| 913 | 105 | .20 | 1226 | 105 | .13 | 1917 | 105 | .27 | 202 | 120 | .23 | 250 | 120 | .12 |
| 914 | 105 | .34 | 1227 | 105 | .01 | 1918 | 105 | .31 | 203 | 120 | .15 | 251 | 120 | .18 |
| 915 | 105 | .40 | 1230 | 105 | .06 | 1921 | 105 | .25 | 204 | 120 | .37 | 252 | 120 | .26 |
| 916 | 105 | .42 | 1231 | 105 | .08 | 1923 | 105 | .24 | 205 | 120 | .03 | 253 | 120 | .30 |
| 917 | 105 | .43 | 1232 | 105 | .09 | 1924 | 105 | .21 | 206 | 120 | .27 | 254 | 120 | .34 |
| 918 | 105 | .40 | 1233 | 105 | .10 | 1925 | 105 | .19 | 207 | 120 | .29 | 255 | 120 | .25 |
| 919 | 105 | .44 | 1234 | 105 | .09 | 1926 | 105 | .20 | 208 | 120 | .18 | 256 | 120 | .13 |
| 920 | 105 | .09 | 1235 | 105 | .04 | 1927 | 105 | .23 | 209 | 120 | .33 | 257 | 120 | .06 |
| 921 | 105 | .12 | 1236 | 105 | .03 | 1928 | 105 | .19 | 210 | 120 | .26 | 258 | 120 | .09 |
| 922 | 105 | .16 | 1239 | 105 | .05 | 1930 | 105 | .24 | 211 | 120 | .12 | 259 | 120 | .14 |
| 923 | 105 | .14 | 1240 | 105 | .05 | 1932 | 105 | .23 | 212 | 120 | .04 | 260 | 120 | .22 |
| 924 | 105 | .31 | 1241 | 105 | .05 | 1933 | 105 | .18 | 213 | 120 | .07 | 261 | 120 | .27 |
| 925 | 105 | .44 | 1242 | 105 | .06 | 1934 | 105 | .18 | 214 | 120 | .08 | 262 | 120 | .35 |
| 926 | 105 | .30 | 1243 | 105 | .06 | 1935 | 105 | .18 | 215 | 120 | .25 | 263 | 120 | .40 |
| 927 | 105 | .51 | 1244 | 105 | .04 | 1936 | 105 | .19 | 216 | 120 | .22 | 264 | 120 | .26 |
| 928 | 105 | .47 | 1245 | 105 | .04 | 1937 | 105 | .06 | 217 | 120 | .13 | 265 | 120 | .12 |
| 929 | 105 | .09 | 1246 | 105 | .05 | 1939 | 105 | .24 | 218 | 120 | .09 | 266 | 120 | .04 |
| 930 | 105 | .09 | 1249 | 105 | .05 | 1941 | 105 | .21 | 219 | 120 | .03 | 267 | 120 | .12 |
| 931 | 105 | .09 | 1250 | 105 | .05 | 1942 | 105 | .18 | 220 | 120 | .22 | 268 | 120 | .24 |
| 932 | 105 | .02 | 1251 | 105 | .05 | 1943 | 105 | .17 | 221 | 120 | .16 | 269 | 120 | .31 |
| 933 | 105 | .21 | 1252 | 105 | .04 | 1944 | 105 | .15 | 222 | 120 | .00 | 270 | 120 | .43 |
| 934 | 105 | .43 | 1253 | 105 | .03 | 1945 | 105 | .13 | 223 | 120 | .03 | 271 | 120 | .52 |
| 935 | 105 | .54 | 1254 | 105 | .05 | 1946 | 105 | .02 | 224 | 120 | .07 | 272 | 120 | .53 |
| 936 | 105 | .30 | 1257 | 105 | .06 | 101 | 120 | .37 | 225 | 120 | .10 | 273 | 120 | .44 |
| 937 | 105 | .30 | 1258 | 105 | .07 | 102 | 120 | .37 | 226 | 120 | .15 | 301 | 120 | .07 |
| 938 | 105 | .18 | 1259 | 105 | .06 | 103 | 120 | .41 | 227 | 120 | .26 | 302 | 120 | .00 |
| 939 | 105 | .16 | 1260 | 105 | .06 | 104 | 120 | .43 | 228 | 120 | .22 | 303 | 120 | .22 |
| 940 | 105 | .32 | 1261 | 105 | .06 | 105 | 120 | .46 | 229 | 120 | .41 | 304 | 120 | .04 |
| 941 | 105 | .21 | 1262 | 105 | .04 | 106 | 120 | .40 | 230 | 120 | .14 | 305 | 120 | .31 |
| 942 | 105 | .39 | 1263 | 105 | .03 | 107 | 120 | .40 | 231 | 120 | .01 | 306 | 120 | .04 |
| 943 | 105 | .64 | 1266 | 105 | .11 | 108 | 120 | .43 | 232 | 120 | .07 | 307 | 120 | .32 |
| 944 | 105 | .64 | 1267 | 105 | .12 | 109 | 120 | .45 | 233 | 120 | .13 | 308 | 120 | .04 |
| 945 | 105 | .58 | 1268 | 105 | .10 | 110 | 120 | .46 | 234 | 120 | .19 | 309 | 120 | .28 |
| 946 | 105 | .60 | 1269 | 105 | .10 | 111 | 120 | .40 | 235 | 120 | .23 | 310 | 120 | .04 |
| 1107 | 105 | .29 | 1270 | 105 | .08 | 112 | 120 | .43 | 236 | 120 | .35 | 311 | 120 | .26 |
| 1108 | 105 | .30 | 1271 | 105 | .07 | 113 | 120 | .42 | 237 | 120 | .33 | 312 | 120 | .08 |
| 1109 | 105 | .24 | 1272 | 105 | .05 | 114 | 120 | .45 | 238 | 120 | .16 | 313 | 120 | .07 |
| 1110 | 105 | .26 | 1303 | 105 | .29 | 115 | 120 | .36 | 239 | 120 | .06 | 314 | 120 | .11 |
| 1111 | 105 | .22 | 1305 | 105 | .28 | 116 | 120 | .36 | 240 | 120 | .05 | 401 | 120 | .03 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION A

| TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM |
|-----|----------|--------|------|----------|--------|------|----------|--------|-----|----------|--------|-----|----------|--------|
| 462 | 120 | .01 | 936 | 120 | -.68 | 1257 | 120 | -.15 | 101 | 135 | -.47 | 225 | 135 | .22 |
| 463 | 120 | .10 | 937 | 120 | -.60 | 1258 | 120 | -.21 | 102 | 135 | -.50 | 226 | 135 | .29 |
| 464 | 120 | .07 | 938 | 120 | -.38 | 1259 | 120 | -.26 | 103 | 135 | -.53 | 227 | 135 | .45 |
| 465 | 120 | .00 | 939 | 120 | -.43 | 1260 | 120 | -.29 | 104 | 135 | -.56 | 228 | 135 | .44 |
| 501 | 120 | -.77 | 940 | 120 | -.81 | 1261 | 120 | -.28 | 105 | 135 | -.52 | 229 | 135 | .33 |
| 502 | 120 | -.70 | 941 | 120 | -.68 | 1262 | 120 | -.27 | 106 | 135 | -.48 | 230 | 135 | .06 |
| 503 | 120 | -.63 | 942 | 120 | -.24 | 1263 | 120 | -.27 | 107 | 135 | -.48 | 231 | 135 | .12 |
| 504 | 120 | -.62 | 943 | 120 | -.35 | 1264 | 120 | -.26 | 108 | 135 | -.49 | 232 | 135 | .21 |
| 505 | 120 | -.67 | 944 | 120 | -.56 | 1265 | 120 | -.32 | 109 | 135 | -.46 | 233 | 135 | .26 |
| 506 | 120 | -.61 | 945 | 120 | -.93 | 1266 | 120 | -.37 | 110 | 135 | -.47 | 234 | 135 | .32 |
| 507 | 120 | -.55 | 946 | 120 | -.69 | 1267 | 120 | -.39 | 111 | 135 | -.40 | 235 | 135 | .41 |
| 508 | 120 | -.45 | 1107 | 120 | .23 | 1268 | 120 | -.39 | 112 | 135 | -.42 | 236 | 135 | .50 |
| 509 | 120 | -.43 | 1108 | 120 | .27 | 1271 | 120 | -.40 | 113 | 135 | -.46 | 237 | 135 | .47 |
| 901 | 120 | -.22 | 1109 | 120 | .18 | 1272 | 120 | -.39 | 114 | 135 | -.51 | 238 | 135 | .14 |
| 902 | 120 | -.19 | 1110 | 120 | .17 | 1303 | 120 | .33 | 115 | 135 | -.43 | 239 | 135 | .01 |
| 903 | 120 | -.08 | 1111 | 120 | .13 | 1305 | 120 | .32 | 116 | 135 | -.39 | 240 | 135 | .15 |
| 904 | 120 | -.29 | 1116 | 120 | -.02 | 1307 | 120 | .35 | 120 | 135 | -.50 | 241 | 135 | .24 |
| 905 | 120 | -.38 | 1121 | 120 | .21 | 1309 | 120 | .35 | 121 | 135 | -.48 | 242 | 135 | .28 |
| 906 | 120 | -.42 | 1126 | 120 | .02 | 1311 | 120 | .42 | 125 | 135 | -.51 | 243 | 135 | .35 |
| 907 | 120 | -.38 | 1136 | 120 | .00 | 1313 | 120 | .41 | 126 | 135 | -.46 | 244 | 135 | .42 |
| 908 | 120 | -.38 | 1221 | 120 | .12 | 1911 | 120 | .27 | 130 | 135 | -.73 | 245 | 135 | .49 |
| 909 | 120 | -.41 | 1222 | 120 | .02 | 1913 | 120 | .19 | 131 | 135 | -.68 | 246 | 135 | .44 |
| 910 | 120 | -.11 | 1223 | 120 | -.03 | 1914 | 120 | .16 | 135 | 135 | -.68 | 247 | 135 | .17 |
| 911 | 120 | -.18 | 1224 | 120 | -.10 | 1915 | 120 | .12 | 136 | 135 | -.66 | 248 | 135 | .01 |
| 912 | 120 | -.26 | 1225 | 120 | -.15 | 1916 | 120 | .17 | 201 | 135 | -.29 | 249 | 135 | .18 |
| 913 | 120 | -.03 | 1226 | 120 | -.18 | 1917 | 120 | .22 | 202 | 135 | -.17 | 250 | 135 | .24 |
| 914 | 120 | -.19 | 1227 | 120 | -.19 | 1918 | 120 | .30 | 203 | 135 | -.03 | 251 | 135 | .32 |
| 915 | 120 | -.38 | 1230 | 120 | -.08 | 1921 | 120 | .19 | 204 | 135 | -.25 | 252 | 135 | .36 |
| 916 | 120 | -.51 | 1231 | 120 | -.10 | 1923 | 120 | .15 | 205 | 135 | -.22 | 253 | 135 | .45 |
| 917 | 120 | -.45 | 1232 | 120 | -.13 | 1924 | 120 | .12 | 206 | 135 | -.12 | 254 | 135 | .48 |
| 918 | 120 | -.41 | 1233 | 120 | -.18 | 1925 | 120 | .11 | 207 | 135 | -.40 | 255 | 135 | .46 |
| 919 | 120 | -.39 | 1234 | 120 | -.19 | 1926 | 120 | .12 | 208 | 135 | -.24 | 256 | 135 | .10 |
| 920 | 120 | -.13 | 1235 | 120 | -.18 | 1927 | 120 | .16 | 209 | 135 | -.08 | 257 | 135 | .01 |
| 921 | 120 | -.17 | 1236 | 120 | -.18 | 1928 | 120 | .20 | 210 | 135 | -.22 | 258 | 135 | .21 |
| 922 | 120 | -.41 | 1239 | 120 | -.17 | 1930 | 120 | .18 | 211 | 135 | -.02 | 259 | 135 | .29 |
| 923 | 120 | -.07 | 1240 | 120 | -.18 | 1932 | 120 | .16 | 212 | 135 | -.05 | 260 | 135 | .38 |
| 924 | 120 | -.03 | 1241 | 120 | -.19 | 1933 | 120 | .09 | 213 | 135 | -.04 | 261 | 135 | .43 |
| 925 | 120 | -.21 | 1242 | 120 | -.21 | 1934 | 120 | .08 | 214 | 135 | -.10 | 262 | 135 | .48 |
| 926 | 120 | -.55 | 1243 | 120 | -.21 | 1935 | 120 | .08 | 215 | 135 | -.20 | 263 | 135 | .48 |
| 927 | 120 | -.59 | 1244 | 120 | -.20 | 1936 | 120 | .10 | 216 | 135 | -.19 | 264 | 135 | .44 |
| 928 | 120 | -.52 | 1245 | 120 | -.20 | 1937 | 120 | .07 | 217 | 135 | -.12 | 265 | 135 | .08 |
| 929 | 120 | -.24 | 1248 | 120 | -.17 | 1939 | 120 | .14 | 218 | 135 | -.22 | 266 | 135 | .07 |
| 930 | 120 | -.26 | 1249 | 120 | -.18 | 1941 | 120 | .12 | 219 | 135 | -.32 | 267 | 135 | .33 |
| 931 | 120 | -.59 | 1250 | 120 | -.22 | 1942 | 120 | .06 | 220 | 135 | -.19 | 268 | 135 | .49 |
| 932 | 120 | -.06 | 1251 | 120 | -.23 | 1943 | 120 | .03 | 221 | 135 | -.07 | 269 | 135 | .55 |
| 933 | 120 | -.01 | 1252 | 120 | -.26 | 1944 | 120 | .00 | 222 | 135 | -.10 | 270 | 135 | .65 |
| 934 | 120 | -.09 | 1253 | 120 | -.24 | 1945 | 120 | .03 | 223 | 135 | -.14 | 271 | 135 | .73 |
| 935 | 120 | -.40 | 1254 | 120 | -.23 | 1946 | 120 | .19 | 224 | 135 | -.17 | 272 | 135 | .65 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION A

| TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM |
|-----|----------|--------|------|----------|--------|------|----------|--------|------|----------|--------|-----|----------|--------|
| 273 | 135 | .40 | 920 | 135 | .24 | 1235 | 135 | .25 | 1927 | 135 | .14 | 209 | 150 | .22 |
| 301 | 135 | .18 | 921 | 135 | .27 | 1236 | 135 | .26 | 1928 | 135 | .20 | 210 | 150 | .11 |
| 302 | 135 | .12 | 922 | 135 | .32 | 1239 | 135 | .23 | 1930 | 135 | .09 | 211 | 150 | .09 |
| 303 | 135 | .36 | 923 | 135 | .00 | 1240 | 135 | .25 | 1932 | 135 | .06 | 212 | 150 | .14 |
| 304 | 135 | .16 | 924 | 135 | .12 | 1241 | 135 | .28 | 1933 | 135 | .03 | 213 | 150 | .02 |
| 305 | 135 | .26 | 925 | 135 | .15 | 1242 | 135 | .29 | 1934 | 135 | .05 | 214 | 150 | .07 |
| 306 | 135 | .18 | 926 | 135 | .28 | 1243 | 135 | .28 | 1935 | 135 | .03 | 215 | 150 | .15 |
| 307 | 135 | .22 | 927 | 135 | .61 | 1244 | 135 | .28 | 1936 | 135 | .02 | 216 | 150 | .05 |
| 308 | 135 | .20 | 928 | 135 | .57 | 1245 | 135 | .27 | 1937 | 135 | .07 | 217 | 150 | .05 |
| 309 | 135 | .29 | 929 | 135 | .36 | 1248 | 135 | .31 | 1939 | 135 | .04 | 218 | 150 | .26 |
| 310 | 135 | .23 | 930 | 135 | .35 | 1249 | 135 | .32 | 1941 | 135 | .01 | 219 | 150 | .24 |
| 311 | 135 | .33 | 931 | 135 | .59 | 1250 | 135 | .32 | 1942 | 135 | .11 | 220 | 150 | .07 |
| 312 | 135 | .32 | 932 | 135 | .94 | 1251 | 135 | .33 | 1943 | 135 | .16 | 221 | 150 | .04 |
| 313 | 135 | .78 | 933 | 135 | .12 | 1252 | 135 | .33 | 1944 | 135 | .17 | 222 | 150 | .18 |
| 314 | 135 | .54 | 934 | 135 | .14 | 1253 | 135 | .33 | 1945 | 135 | .16 | 223 | 150 | .25 |
| 404 | 135 | .08 | 935 | 135 | .19 | 1254 | 135 | .32 | 1946 | 135 | .35 | 224 | 150 | .27 |
| 405 | 135 | .06 | 936 | 135 | .58 | 1257 | 135 | .34 | 101 | 150 | .38 | 225 | 150 | .33 |
| 406 | 135 | .04 | 937 | 135 | .56 | 1258 | 135 | .35 | 102 | 150 | .38 | 226 | 150 | .41 |
| 407 | 135 | .01 | 938 | 135 | .48 | 1259 | 135 | .36 | 103 | 150 | .37 | 227 | 150 | .43 |
| 408 | 135 | .10 | 939 | 135 | .50 | 1260 | 135 | .37 | 104 | 150 | .35 | 228 | 150 | .31 |
| 501 | 135 | .14 | 940 | 135 | .65 | 1261 | 135 | .36 | 105 | 150 | .37 | 229 | 150 | .29 |
| 502 | 135 | .97 | 941 | 135 | .14 | 1262 | 135 | .37 | 106 | 150 | .36 | 230 | 150 | .04 |
| 503 | 135 | .80 | 942 | 135 | .31 | 1263 | 135 | .36 | 107 | 150 | .35 | 231 | 150 | .24 |
| 504 | 135 | .74 | 943 | 135 | .40 | 1266 | 135 | .47 | 108 | 150 | .37 | 232 | 150 | .31 |
| 505 | 135 | .68 | 944 | 135 | .61 | 1267 | 135 | .53 | 109 | 150 | .38 | 233 | 150 | .39 |
| 506 | 135 | .57 | 945 | 135 | .85 | 1268 | 135 | .50 | 110 | 150 | .37 | 234 | 150 | .44 |
| 507 | 135 | .53 | 946 | 135 | .71 | 1269 | 135 | .53 | 111 | 150 | .38 | 235 | 150 | .48 |
| 508 | 135 | .53 | 1107 | 135 | .19 | 1270 | 135 | .50 | 112 | 150 | .40 | 236 | 150 | .44 |
| 509 | 135 | .49 | 1108 | 135 | .21 | 1271 | 135 | .51 | 113 | 150 | .39 | 237 | 150 | .24 |
| 510 | 135 | .33 | 1109 | 135 | .18 | 1272 | 135 | .52 | 114 | 150 | .40 | 238 | 150 | .16 |
| 511 | 135 | .33 | 1110 | 135 | .06 | 1303 | 135 | .40 | 115 | 150 | .37 | 239 | 150 | .08 |
| 512 | 135 | .19 | 1111 | 135 | .06 | 1305 | 135 | .41 | 116 | 150 | .38 | 240 | 150 | .25 |
| 513 | 135 | .34 | 1116 | 135 | .10 | 1307 | 135 | .43 | 120 | 150 | .42 | 241 | 150 | .35 |
| 514 | 135 | .37 | 1121 | 135 | .16 | 1309 | 135 | .39 | 121 | 150 | .44 | 242 | 150 | .41 |
| 515 | 135 | .43 | 1126 | 135 | .05 | 1311 | 135 | .45 | 125 | 150 | .46 | 243 | 150 | .47 |
| 516 | 135 | .48 | 1136 | 135 | .14 | 1313 | 135 | .54 | 126 | 150 | .45 | 244 | 150 | .49 |
| 517 | 135 | .47 | 1221 | 135 | .03 | 1911 | 135 | .21 | 130 | 150 | .73 | 245 | 150 | .46 |
| 518 | 135 | .53 | 1222 | 135 | .12 | 1913 | 135 | .12 | 131 | 150 | .70 | 246 | 150 | .27 |
| 519 | 135 | .22 | 1223 | 135 | .19 | 1914 | 135 | .09 | 135 | 150 | .73 | 247 | 150 | .17 |
| 520 | 135 | .29 | 1224 | 135 | .04 | 1915 | 135 | .04 | 136 | 150 | .69 | 248 | 150 | .06 |
| 521 | 135 | .44 | 1225 | 135 | .24 | 1916 | 135 | .11 | 201 | 150 | .19 | 249 | 150 | .27 |
| 522 | 135 | .11 | 1226 | 135 | .24 | 1917 | 135 | .19 | 202 | 150 | .08 | 250 | 150 | .36 |
| 523 | 135 | .23 | 1227 | 135 | .22 | 1918 | 135 | .31 | 203 | 150 | .08 | 251 | 150 | .43 |
| 524 | 135 | .27 | 1230 | 135 | .16 | 1921 | 135 | .15 | 204 | 150 | .20 | 252 | 150 | .46 |
| 525 | 135 | .43 | 1231 | 135 | .20 | 1923 | 135 | .08 | 205 | 150 | .42 | 253 | 150 | .48 |
| 526 | 135 | .55 | 1232 | 135 | .24 | 1924 | 135 | .04 | 206 | 150 | .45 | 254 | 150 | .47 |
| 527 | 135 | .50 | 1233 | 135 | .26 | 1925 | 135 | .01 | 207 | 150 | .40 | 255 | 150 | .36 |
| 528 | 135 | .20 | 1234 | 135 | .24 | 1926 | 135 | .06 | 208 | 150 | .27 | 256 | 150 | .10 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION A

| TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM |
|-----|----------|--------|------|----------|--------|------|----------|--------|------|----------|--------|-----|----------|--------|
| 257 | 150 | .07 | 904 | 150 | .30 | 1116 | 150 | .26 | 1307 | 150 | .21 | 120 | 165 | .51 |
| 258 | 150 | .31 | 905 | 150 | .32 | 1121 | 150 | .10 | 1309 | 150 | .21 | 121 | 165 | .48 |
| 259 | 150 | .42 | 906 | 150 | .34 | 1126 | 150 | .31 | 1311 | 150 | .24 | 125 | 165 | .61 |
| 260 | 150 | .51 | 907 | 150 | .37 | 1130 | 150 | .49 | 1313 | 150 | .18 | 126 | 165 | .57 |
| 261 | 150 | .53 | 908 | 150 | .42 | 1221 | 150 | .13 | 1911 | 150 | .06 | 130 | 165 | .01 |
| 262 | 150 | .34 | 909 | 150 | .52 | 1222 | 150 | .24 | 1913 | 150 | .07 | 131 | 165 | .87 |
| 263 | 150 | .42 | 910 | 150 | .27 | 1223 | 150 | .29 | 1914 | 150 | .12 | 135 | 165 | .98 |
| 264 | 150 | .30 | 911 | 150 | .29 | 1224 | 150 | .30 | 1915 | 150 | .17 | 136 | 165 | .84 |
| 265 | 150 | .06 | 912 | 150 | .30 | 1225 | 150 | .31 | 1916 | 150 | .13 | 201 | 165 | .11 |
| 266 | 150 | .19 | 913 | 150 | .21 | 1226 | 150 | .30 | 1917 | 150 | .00 | 202 | 165 | .00 |
| 267 | 150 | .31 | 914 | 150 | .28 | 1227 | 150 | .28 | 1918 | 150 | .15 | 203 | 165 | .06 |
| 268 | 150 | .68 | 915 | 150 | .29 | 1230 | 150 | .24 | 1921 | 150 | .03 | 204 | 165 | .19 |
| 269 | 150 | .75 | 916 | 150 | .30 | 1231 | 150 | .26 | 1923 | 150 | .16 | 205 | 165 | .33 |
| 270 | 150 | .85 | 917 | 150 | .41 | 1232 | 150 | .29 | 1924 | 150 | .18 | 206 | 165 | .35 |
| 271 | 150 | .81 | 918 | 150 | .49 | 1233 | 150 | .33 | 1925 | 150 | .22 | 207 | 165 | .35 |
| 272 | 150 | .60 | 919 | 150 | .55 | 1234 | 150 | .34 | 1926 | 150 | .20 | 208 | 165 | .20 |
| 273 | 150 | .19 | 920 | 150 | .28 | 1235 | 150 | .33 | 1927 | 150 | .13 | 209 | 165 | .23 |
| 301 | 150 | .11 | 921 | 150 | .29 | 1236 | 150 | .31 | 1928 | 150 | .10 | 210 | 165 | .06 |
| 302 | 150 | .19 | 922 | 150 | .33 | 1239 | 150 | .27 | 1930 | 150 | .10 | 211 | 165 | .18 |
| 303 | 150 | .54 | 923 | 150 | .21 | 1240 | 150 | .31 | 1932 | 150 | .17 | 212 | 165 | .21 |
| 304 | 150 | .22 | 924 | 150 | .25 | 1241 | 150 | .35 | 1933 | 150 | .24 | 213 | 165 | .04 |
| 305 | 150 | .33 | 925 | 150 | .26 | 1242 | 150 | .36 | 1934 | 150 | .27 | 214 | 165 | .03 |
| 306 | 150 | .24 | 926 | 150 | .26 | 1243 | 150 | .36 | 1935 | 150 | .27 | 215 | 165 | .11 |
| 307 | 150 | .26 | 927 | 150 | .39 | 1244 | 150 | .35 | 1936 | 150 | .27 | 216 | 165 | .00 |
| 308 | 150 | .25 | 928 | 150 | .47 | 1245 | 150 | .36 | 1937 | 150 | .35 | 217 | 165 | .09 |
| 309 | 150 | .00 | 929 | 150 | .33 | 1248 | 150 | .34 | 1939 | 150 | .19 | 218 | 165 | .20 |
| 310 | 150 | .33 | 930 | 150 | .33 | 1249 | 150 | .36 | 1941 | 150 | .23 | 219 | 165 | .12 |
| 311 | 150 | .43 | 931 | 150 | .33 | 1250 | 150 | .38 | 1942 | 150 | .36 | 220 | 165 | .02 |
| 312 | 150 | .41 | 932 | 150 | .26 | 1251 | 150 | .40 | 1943 | 150 | .31 | 221 | 165 | .15 |
| 313 | 150 | .83 | 933 | 150 | .30 | 1252 | 150 | .40 | 1944 | 150 | .32 | 222 | 165 | .30 |
| 314 | 150 | .99 | 934 | 150 | .30 | 1253 | 150 | .40 | 1945 | 150 | .32 | 223 | 165 | .29 |
| 401 | 150 | .00 | 935 | 150 | .33 | 1254 | 150 | .41 | 1946 | 150 | .41 | 224 | 165 | .33 |
| 402 | 150 | .17 | 936 | 150 | .42 | 1301 | 150 | .39 | 101 | 165 | .42 | 225 | 165 | .34 |
| 403 | 150 | .22 | 937 | 150 | .40 | 1303 | 150 | .39 | 102 | 165 | .39 | 226 | 165 | .40 |
| 404 | 150 | .22 | 938 | 150 | .37 | 1260 | 150 | .46 | 103 | 165 | .41 | 227 | 165 | .34 |
| 405 | 150 | .06 | 939 | 150 | .38 | 1261 | 150 | .47 | 104 | 165 | .42 | 228 | 165 | .15 |
| 501 | 150 | .93 | 940 | 150 | .40 | 1262 | 150 | .45 | 105 | 165 | .44 | 229 | 165 | .36 |
| 502 | 150 | .70 | 941 | 150 | .38 | 1265 | 150 | .47 | 106 | 165 | .42 | 230 | 165 | .10 |
| 503 | 150 | .53 | 942 | 150 | .39 | 1266 | 150 | .48 | 107 | 165 | .41 | 231 | 165 | .33 |
| 504 | 150 | .66 | 943 | 150 | .42 | 1267 | 150 | .53 | 108 | 165 | .38 | 232 | 165 | .38 |
| 505 | 150 | .49 | 944 | 150 | .47 | 1268 | 150 | .59 | 109 | 165 | .42 | 233 | 165 | .43 |
| 506 | 150 | .40 | 945 | 150 | .51 | 1269 | 150 | .66 | 110 | 165 | .41 | 234 | 165 | .47 |
| 507 | 150 | .42 | 946 | 150 | .50 | 1280 | 150 | .63 | 111 | 165 | .41 | 235 | 165 | .47 |
| 508 | 150 | .40 | 1107 | 150 | .01 | 1270 | 150 | .65 | 112 | 165 | .42 | 236 | 165 | .37 |
| 509 | 150 | .41 | 1108 | 150 | .08 | 1271 | 150 | .65 | 113 | 165 | .43 | 237 | 165 | .09 |
| 901 | 150 | .11 | 1109 | 150 | .11 | 1272 | 150 | .64 | 114 | 165 | .41 | 238 | 165 | .27 |
| 902 | 150 | .19 | 1110 | 150 | .19 | 1303 | 150 | .27 | 115 | 165 | .46 | 239 | 165 | .11 |
| 903 | 150 | .13 | 1111 | 150 | .13 | 1305 | 150 | .29 | 116 | 165 | .43 | 240 | 165 | .36 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION A

| TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM |
|-----|----------|--------|-----|----------|--------|------|----------|--------|------|----------|--------|-----|----------|--------|
| 241 | 165 | .42 | 402 | 165 | .27 | 936 | 165 | .43 | 1257 | 165 | .52 | 101 | 180 | .27 |
| 242 | 165 | .44 | 403 | 165 | .30 | 937 | 165 | .39 | 1258 | 165 | .55 | 102 | 180 | .24 |
| 243 | 165 | .50 | 404 | 165 | .38 | 938 | 165 | .47 | 1259 | 165 | .57 | 103 | 180 | .29 |
| 244 | 165 | .51 | 405 | 165 | .45 | 939 | 165 | .44 | 1260 | 165 | .57 | 104 | 180 | .35 |
| 245 | 165 | .38 | 501 | 165 | .49 | 940 | 165 | .46 | 1261 | 165 | .57 | 105 | 180 | .41 |
| 246 | 165 | .13 | 502 | 165 | .45 | 941 | 165 | .47 | 1262 | 165 | .56 | 106 | 180 | .26 |
| 247 | 165 | .31 | 503 | 165 | .42 | 942 | 165 | .45 | 1263 | 165 | .55 | 107 | 180 | .26 |
| 248 | 165 | .09 | 504 | 165 | .39 | 943 | 165 | .51 | 1266 | 165 | .77 | 108 | 180 | .31 |
| 249 | 165 | .34 | 505 | 165 | .47 | 944 | 165 | .54 | 1267 | 165 | .80 | 109 | 180 | .44 |
| 250 | 165 | .44 | 506 | 165 | .42 | 945 | 165 | .53 | 1268 | 165 | .78 | 110 | 180 | .52 |
| 251 | 165 | .49 | 507 | 165 | .36 | 946 | 165 | .49 | 1269 | 165 | .80 | 111 | 180 | .30 |
| 252 | 165 | .49 | 508 | 165 | .32 | 1107 | 165 | .36 | 1270 | 165 | .79 | 112 | 180 | .42 |
| 253 | 165 | .50 | 509 | 165 | .33 | 1108 | 165 | .32 | 1271 | 165 | .80 | 113 | 180 | .52 |
| 254 | 165 | .37 | 901 | 165 | .33 | 1109 | 165 | .37 | 1272 | 165 | .83 | 114 | 180 | .52 |
| 255 | 165 | .29 | 902 | 165 | .33 | 1110 | 165 | .38 | 1303 | 165 | .35 | 115 | 180 | .45 |
| 256 | 165 | .23 | 903 | 165 | .29 | 1111 | 165 | .38 | 1305 | 165 | .36 | 116 | 180 | .46 |
| 257 | 165 | .07 | 904 | 165 | .29 | 1116 | 165 | .40 | 1307 | 165 | .43 | 120 | 180 | .48 |
| 258 | 165 | .40 | 905 | 165 | .29 | 1121 | 165 | .44 | 1309 | 165 | .50 | 121 | 180 | .47 |
| 259 | 165 | .50 | 906 | 165 | .28 | 1126 | 165 | .52 | 1311 | 165 | .48 | 125 | 180 | .57 |
| 260 | 165 | .57 | 907 | 165 | .28 | 1136 | 165 | .81 | 1313 | 165 | .82 | 126 | 180 | .56 |
| 261 | 165 | .56 | 908 | 165 | .44 | 1221 | 165 | .34 | 1911 | 165 | .28 | 130 | 180 | .79 |
| 262 | 165 | .50 | 909 | 165 | .44 | 1222 | 165 | .36 | 1913 | 165 | .37 | 131 | 180 | .80 |
| 263 | 165 | .30 | 910 | 165 | .36 | 1223 | 165 | .36 | 1914 | 165 | .35 | 135 | 180 | .75 |
| 264 | 165 | .19 | 911 | 165 | .30 | 1224 | 165 | .33 | 1915 | 165 | .37 | 136 | 180 | .71 |
| 265 | 165 | .22 | 912 | 165 | .31 | 1225 | 165 | .37 | 1916 | 165 | .35 | 201 | 180 | .07 |
| 266 | 165 | .19 | 913 | 165 | .26 | 1226 | 165 | .38 | 1917 | 165 | .36 | 202 | 180 | .02 |
| 267 | 165 | .63 | 914 | 165 | .39 | 1227 | 165 | .37 | 1918 | 165 | .33 | 203 | 180 | .02 |
| 268 | 165 | .78 | 915 | 165 | .27 | 1230 | 165 | .37 | 1921 | 165 | .36 | 204 | 180 | .17 |
| 269 | 165 | .86 | 916 | 165 | .27 | 1231 | 165 | .36 | 1923 | 165 | .37 | 205 | 180 | .17 |
| 270 | 165 | .84 | 917 | 165 | .34 | 1232 | 165 | .36 | 1924 | 165 | .38 | 206 | 180 | .08 |
| 271 | 165 | .80 | 918 | 165 | .34 | 1233 | 165 | .39 | 1925 | 165 | .40 | 207 | 180 | .41 |
| 272 | 165 | .44 | 919 | 165 | .38 | 1234 | 165 | .40 | 1926 | 165 | .41 | 208 | 180 | .31 |
| 273 | 165 | .04 | 920 | 165 | .44 | 1235 | 165 | .41 | 1927 | 165 | .44 | 209 | 180 | .29 |
| 301 | 165 | .16 | 921 | 165 | .44 | 1236 | 165 | .41 | 1928 | 165 | .45 | 210 | 180 | .05 |
| 302 | 165 | .15 | 922 | 165 | .36 | 1239 | 165 | .39 | 1930 | 165 | .39 | 211 | 180 | .24 |
| 303 | 165 | .13 | 923 | 165 | .30 | 1240 | 165 | .41 | 1932 | 165 | .38 | 212 | 180 | .28 |
| 304 | 165 | .18 | 924 | 165 | .32 | 1241 | 165 | .41 | 1933 | 165 | .39 | 213 | 180 | .07 |
| 305 | 165 | .18 | 925 | 165 | .33 | 1242 | 165 | .41 | 1934 | 165 | .39 | 214 | 180 | .03 |
| 306 | 165 | .21 | 926 | 165 | .33 | 1243 | 165 | .44 | 1935 | 165 | .41 | 215 | 180 | .09 |
| 307 | 165 | .24 | 927 | 165 | .35 | 1244 | 165 | .45 | 1936 | 165 | .41 | 216 | 180 | .01 |
| 308 | 165 | .26 | 928 | 165 | .35 | 1245 | 165 | .44 | 1937 | 165 | .43 | 217 | 180 | .04 |
| 309 | 165 | .27 | 929 | 165 | .42 | 1248 | 165 | .49 | 1939 | 165 | .38 | 218 | 180 | .13 |
| 310 | 165 | .31 | 930 | 165 | .41 | 1249 | 165 | .45 | 1941 | 165 | .38 | 219 | 180 | .04 |
| 311 | 165 | .28 | 931 | 165 | .41 | 1250 | 165 | .50 | 1942 | 165 | .39 | 220 | 180 | .04 |
| 312 | 165 | .30 | 932 | 165 | .41 | 1251 | 165 | .50 | 1943 | 165 | .40 | 221 | 180 | .22 |
| 313 | 165 | .27 | 933 | 165 | .41 | 1252 | 165 | .50 | 1944 | 165 | .40 | 222 | 180 | .36 |
| 314 | 165 | .42 | 934 | 165 | .49 | 1253 | 165 | .50 | 1945 | 165 | .39 | 223 | 180 | .38 |
| 401 | 165 | .26 | 935 | 165 | .43 | 1254 | 165 | .51 | 1946 | 165 | .41 | 224 | 180 | .36 |

TABLE 9 ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION A

| TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM |
|-----|----------|--------|-----|----------|--------|------|----------|--------|------|----------|--------|------|----------|--------|
| 225 | 180 | .37 | 273 | 180 | -.09 | 920 | 180 | -.26 | 1235 | 180 | -.48 | 1927 | 180 | -.47 |
| 226 | 180 | .36 | 301 | 180 | -.26 | 921 | 180 | -.24 | 1236 | 180 | -.47 | 1928 | 180 | -.48 |
| 227 | 180 | .24 | 302 | 180 | -.23 | 922 | 180 | -.29 | 1239 | 180 | -.53 | 1930 | 180 | -.45 |
| 228 | 180 | .01 | 303 | 180 | -.29 | 923 | 180 | -.31 | 1240 | 180 | -.53 | 1932 | 180 | -.46 |
| 229 | 180 | .40 | 304 | 180 | -.26 | 924 | 180 | -.32 | 1241 | 180 | -.53 | 1933 | 180 | -.46 |
| 230 | 180 | .18 | 305 | 180 | -.40 | 925 | 180 | -.33 | 1242 | 180 | -.52 | 1934 | 180 | -.46 |
| 231 | 180 | .41 | 306 | 180 | -.43 | 926 | 180 | -.33 | 1243 | 180 | -.52 | 1935 | 180 | -.43 |
| 232 | 180 | .47 | 307 | 180 | -.32 | 927 | 180 | -.33 | 1244 | 180 | -.54 | 1936 | 180 | -.46 |
| 233 | 180 | .46 | 308 | 180 | -.51 | 928 | 180 | -.33 | 1245 | 180 | -.52 | 1937 | 180 | -.47 |
| 234 | 180 | .49 | 309 | 180 | -.57 | 929 | 180 | -.34 | 1248 | 180 | -.63 | 1938 | 180 | -.45 |
| 235 | 180 | .42 | 310 | 180 | -.60 | 930 | 180 | -.33 | 1249 | 180 | -.63 | 1941 | 180 | -.47 |
| 236 | 180 | .23 | 311 | 180 | -.54 | 931 | 180 | -.36 | 1250 | 180 | -.62 | 1942 | 180 | -.46 |
| 237 | 180 | .11 | 312 | 180 | -.63 | 932 | 180 | -.41 | 1251 | 180 | -.63 | 1943 | 180 | -.46 |
| 238 | 180 | .30 | 313 | 180 | -.68 | 933 | 180 | -.41 | 1252 | 180 | -.61 | 1944 | 180 | -.43 |
| 239 | 180 | .20 | 314 | 180 | -.70 | 934 | 180 | -.41 | 1253 | 180 | -.61 | 1945 | 180 | -.47 |
| 240 | 180 | .44 | 401 | 180 | -.27 | 935 | 180 | -.42 | 1254 | 180 | -.61 | 1946 | 180 | -.50 |
| 241 | 180 | .49 | 402 | 180 | -.28 | 936 | 180 | -.41 | 1257 | 180 | -.71 | 101 | 195 | -.22 |
| 242 | 180 | .51 | 403 | 180 | -.31 | 937 | 180 | -.36 | 1258 | 180 | -.72 | 102 | 195 | -.16 |
| 243 | 180 | .49 | 404 | 180 | -.42 | 938 | 180 | -.42 | 1259 | 180 | -.69 | 103 | 195 | -.13 |
| 244 | 180 | .45 | 405 | 180 | -.52 | 939 | 180 | -.44 | 1260 | 180 | -.70 | 104 | 195 | -.18 |
| 245 | 180 | .23 | 501 | 180 | -.45 | 940 | 180 | -.50 | 1261 | 180 | -.70 | 105 | 195 | -.20 |
| 246 | 180 | .03 | 502 | 180 | -.39 | 941 | 180 | -.56 | 1262 | 180 | -.70 | 106 | 195 | -.23 |
| 247 | 180 | .34 | 503 | 180 | -.37 | 942 | 180 | -.51 | 1263 | 180 | -.70 | 107 | 195 | -.19 |
| 248 | 180 | .15 | 504 | 180 | -.39 | 943 | 180 | -.53 | 1266 | 180 | -.97 | 108 | 195 | -.14 |
| 249 | 180 | .44 | 505 | 180 | -.46 | 944 | 180 | -.51 | 1267 | 180 | -1.00 | 109 | 195 | -.18 |
| 250 | 180 | .51 | 506 | 180 | -.37 | 945 | 180 | -.53 | 1268 | 180 | -1.00 | 110 | 195 | -.22 |
| 251 | 180 | .53 | 507 | 180 | -.34 | 946 | 180 | -.47 | 1269 | 180 | -.98 | 111 | 195 | -.09 |
| 252 | 180 | .50 | 508 | 180 | -.30 | 1107 | 180 | -.48 | 1270 | 180 | -1.00 | 112 | 195 | -.24 |
| 253 | 180 | .44 | 509 | 180 | -.29 | 1108 | 180 | -.47 | 1271 | 180 | -.97 | 113 | 195 | -.32 |
| 254 | 180 | .25 | 901 | 180 | -.24 | 1109 | 180 | -.46 | 1272 | 180 | -.99 | 114 | 195 | -.36 |
| 255 | 180 | .19 | 902 | 180 | -.17 | 1110 | 180 | -.47 | 1303 | 180 | -.49 | 115 | 195 | -.31 |
| 256 | 180 | .27 | 903 | 180 | -.28 | 1111 | 180 | -.45 | 1305 | 180 | -.49 | 116 | 195 | -.15 |
| 257 | 180 | .15 | 904 | 180 | -.24 | 1116 | 180 | -.51 | 1307 | 180 | -.53 | 120 | 195 | -.27 |
| 258 | 180 | .49 | 905 | 180 | -.27 | 1121 | 180 | -.55 | 1309 | 180 | -.65 | 121 | 195 | -.21 |
| 259 | 180 | .57 | 906 | 180 | -.27 | 1126 | 180 | -.67 | 1311 | 180 | -.70 | 125 | 195 | -.00 |
| 260 | 180 | .60 | 907 | 180 | -.27 | 1136 | 180 | -1.03 | 1313 | 180 | -1.07 | 126 | 195 | -.21 |
| 261 | 180 | .57 | 908 | 180 | -.29 | 1221 | 180 | -.44 | 1911 | 180 | -.38 | 130 | 195 | -.42 |
| 262 | 180 | .48 | 909 | 180 | -.26 | 1222 | 180 | -.45 | 1913 | 180 | -.47 | 131 | 195 | -.27 |
| 263 | 180 | .23 | 910 | 180 | -.22 | 1223 | 180 | -.45 | 1914 | 180 | -.42 | 135 | 195 | -.51 |
| 264 | 180 | .11 | 911 | 180 | -.19 | 1224 | 180 | -.45 | 1915 | 180 | -.46 | 136 | 195 | -.50 |
| 265 | 180 | .29 | 912 | 180 | -.23 | 1225 | 180 | -.44 | 1916 | 180 | -.45 | 201 | 195 | -.07 |
| 266 | 180 | .26 | 913 | 180 | -.26 | 1226 | 180 | -.46 | 1917 | 180 | -.45 | 202 | 195 | -.08 |
| 267 | 180 | .78 | 914 | 180 | -.24 | 1227 | 180 | -.47 | 1918 | 180 | -.47 | 203 | 195 | -.04 |
| 268 | 180 | .93 | 915 | 180 | -.26 | 1230 | 180 | -.48 | 1921 | 180 | -.45 | 204 | 195 | -.12 |
| 269 | 180 | .92 | 916 | 180 | -.26 | 1231 | 180 | -.47 | 1923 | 180 | -.45 | 205 | 195 | -.08 |
| 270 | 180 | .90 | 917 | 180 | -.26 | 1232 | 180 | -.48 | 1924 | 180 | -.46 | 206 | 195 | -.09 |
| 271 | 180 | .74 | 918 | 180 | -.29 | 1233 | 180 | -.47 | 1925 | 180 | -.45 | 207 | 195 | -.09 |
| 272 | 180 | .50 | 919 | 180 | -.31 | 1234 | 180 | -.49 | 1926 | 180 | -.47 | 208 | 195 | -.33 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION A

| TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM |
|-----|----------|--------|-----|----------|--------|------|----------|--------|------|----------|--------|------|----------|--------|
| 209 | 195 | .28 | 257 | 195 | .29 | 904 | 195 | .29 | 1116 | 195 | .39 | 1307 | 195 | .43 |
| 210 | 195 | .10 | 258 | 195 | .32 | 905 | 195 | .26 | 1121 | 195 | .45 | 1309 | 195 | .51 |
| 211 | 195 | .32 | 259 | 195 | .58 | 906 | 195 | .27 | 1126 | 195 | .49 | 1311 | 195 | .53 |
| 212 | 195 | .29 | 260 | 195 | .57 | 907 | 195 | .29 | 1136 | 195 | .70 | 1313 | 195 | .83 |
| 213 | 195 | .09 | 261 | 195 | .59 | 908 | 195 | .30 | 1221 | 195 | .38 | 1911 | 195 | .31 |
| 214 | 195 | .00 | 262 | 195 | .39 | 909 | 195 | .36 | 1222 | 195 | .49 | 1913 | 195 | .39 |
| 215 | 195 | .12 | 263 | 195 | .15 | 910 | 195 | .30 | 1223 | 195 | .46 | 1914 | 195 | .35 |
| 216 | 195 | .05 | 264 | 195 | .15 | 911 | 195 | .24 | 1224 | 195 | .39 | 1915 | 195 | .40 |
| 217 | 195 | .00 | 265 | 195 | .13 | 912 | 195 | .20 | 1225 | 195 | .37 | 1916 | 195 | .38 |
| 218 | 195 | .03 | 266 | 195 | .47 | 913 | 195 | .20 | 1226 | 195 | .38 | 1917 | 195 | .40 |
| 219 | 195 | .09 | 267 | 195 | .86 | 914 | 195 | .18 | 1227 | 195 | .38 | 1918 | 195 | .40 |
| 220 | 195 | .10 | 268 | 195 | .85 | 915 | 195 | .25 | 1230 | 195 | .45 | 1921 | 195 | .39 |
| 221 | 195 | .35 | 269 | 195 | .80 | 916 | 195 | .27 | 1231 | 195 | .43 | 1923 | 195 | .41 |
| 222 | 195 | .41 | 270 | 195 | .75 | 917 | 195 | .29 | 1232 | 195 | .44 | 1924 | 195 | .39 |
| 223 | 195 | .38 | 271 | 195 | .54 | 918 | 195 | .35 | 1233 | 195 | .41 | 1925 | 195 | .40 |
| 224 | 195 | .34 | 272 | 195 | .20 | 919 | 195 | .37 | 1234 | 195 | .41 | 1926 | 195 | .40 |
| 225 | 195 | .36 | 273 | 195 | .01 | 920 | 195 | .34 | 1235 | 195 | .40 | 1927 | 195 | .39 |
| 226 | 195 | .29 | 301 | 195 | .39 | 921 | 195 | .28 | 1236 | 195 | .41 | 1928 | 195 | .40 |
| 227 | 195 | .13 | 302 | 195 | .40 | 922 | 195 | .24 | 1239 | 195 | .49 | 1930 | 195 | .40 |
| 228 | 195 | .08 | 303 | 195 | .40 | 923 | 195 | .24 | 1240 | 195 | .49 | 1932 | 195 | .40 |
| 229 | 195 | .15 | 304 | 195 | .41 | 924 | 195 | .17 | 1241 | 195 | .47 | 1933 | 195 | .39 |
| 230 | 195 | .34 | 305 | 195 | .46 | 925 | 195 | .25 | 1242 | 195 | .47 | 1934 | 195 | .41 |
| 231 | 195 | .47 | 306 | 195 | .46 | 926 | 195 | .28 | 1243 | 195 | .44 | 1935 | 195 | .39 |
| 232 | 195 | .49 | 307 | 195 | .48 | 927 | 195 | .31 | 1244 | 195 | .45 | 1936 | 195 | .39 |
| 233 | 195 | .45 | 308 | 195 | .49 | 928 | 195 | .29 | 1245 | 195 | .45 | 1937 | 195 | .40 |
| 234 | 195 | .40 | 309 | 195 | .55 | 929 | 195 | .38 | 1248 | 195 | .54 | 1939 | 195 | .49 |
| 235 | 195 | .34 | 310 | 195 | .58 | 930 | 195 | .30 | 1249 | 195 | .58 | 1941 | 195 | .53 |
| 236 | 195 | .12 | 311 | 195 | .65 | 931 | 195 | .36 | 1250 | 195 | .66 | 1942 | 195 | .62 |
| 237 | 195 | .17 | 312 | 195 | .67 | 932 | 195 | .30 | 1251 | 195 | .54 | 1943 | 195 | .58 |
| 238 | 195 | .13 | 313 | 195 | .90 | 933 | 195 | .24 | 1252 | 195 | .52 | 1944 | 195 | .59 |
| 239 | 195 | .34 | 314 | 195 | .84 | 934 | 195 | .33 | 1253 | 195 | .49 | 1945 | 195 | .59 |
| 240 | 195 | .48 | 401 | 195 | .16 | 935 | 195 | .34 | 1254 | 195 | .48 | 1946 | 195 | .41 |
| 241 | 195 | .47 | 402 | 195 | .26 | 936 | 195 | .34 | 1257 | 195 | .64 | 101 | 210 | .25 |
| 242 | 195 | .49 | 403 | 195 | .25 | 937 | 195 | .30 | 1258 | 195 | .62 | 102 | 210 | .18 |
| 243 | 195 | .42 | 404 | 195 | .34 | 938 | 195 | .41 | 1259 | 195 | .69 | 103 | 210 | .17 |
| 244 | 195 | .34 | 405 | 195 | .49 | 939 | 195 | .33 | 1260 | 195 | .61 | 104 | 210 | .17 |
| 245 | 195 | .17 | 501 | 195 | .40 | 940 | 195 | .36 | 1261 | 195 | .58 | 105 | 210 | .16 |
| 246 | 195 | .06 | 502 | 195 | .34 | 941 | 195 | .32 | 1262 | 195 | .56 | 106 | 210 | .28 |
| 247 | 195 | .12 | 503 | 195 | .34 | 942 | 195 | .45 | 1263 | 195 | .55 | 107 | 210 | .16 |
| 248 | 195 | .28 | 504 | 195 | .37 | 943 | 195 | .44 | 1266 | 195 | .80 | 108 | 210 | .01 |
| 249 | 195 | .50 | 505 | 195 | .39 | 944 | 195 | .45 | 1267 | 195 | .80 | 109 | 210 | .00 |
| 250 | 195 | .53 | 506 | 195 | .31 | 945 | 195 | .43 | 1268 | 195 | .80 | 110 | 210 | .00 |
| 251 | 195 | .49 | 507 | 195 | .31 | 946 | 195 | .38 | 1269 | 195 | .82 | 111 | 210 | .03 |
| 252 | 195 | .43 | 508 | 195 | .27 | 1107 | 195 | .38 | 1270 | 195 | .82 | 112 | 210 | .04 |
| 253 | 195 | .36 | 509 | 195 | .28 | 1108 | 195 | .39 | 1271 | 195 | .73 | 113 | 210 | .15 |
| 254 | 195 | .18 | 901 | 195 | .27 | 1109 | 195 | .41 | 1272 | 195 | .78 | 114 | 210 | .16 |
| 255 | 195 | .18 | 902 | 195 | .15 | 1110 | 195 | .39 | 1303 | 195 | .59 | 115 | 210 | .00 |
| 256 | 195 | .08 | 903 | 195 | .17 | 1111 | 195 | .41 | 1305 | 195 | .43 | 116 | 210 | .00 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION A

| TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM |
|-----|----------|--------|-----|----------|--------|-----|----------|--------|------|----------|--------|------|----------|--------|
| 1 | 210 | .26 | 241 | 210 | .48 | 402 | 210 | .28 | 936 | 210 | .27 | 1257 | 210 | .59 |
| 2 | 210 | .20 | 242 | 210 | .43 | 403 | 210 | .37 | 937 | 210 | .22 | 1258 | 210 | .60 |
| 3 | 210 | .34 | 243 | 210 | .37 | 404 | 210 | .38 | 938 | 210 | .65 | 1259 | 210 | .59 |
| 4 | 210 | .19 | 244 | 210 | .27 | 405 | 210 | .38 | 939 | 210 | .74 | 1260 | 210 | .59 |
| 5 | 210 | .52 | 245 | 210 | .13 | 501 | 210 | .29 | 940 | 210 | .36 | 1261 | 210 | .60 |
| 6 | 210 | .41 | 246 | 210 | .09 | 502 | 210 | .26 | 941 | 210 | .48 | 1262 | 210 | .54 |
| 7 | 210 | .70 | 247 | 210 | .10 | 503 | 210 | .26 | 942 | 210 | .28 | 1263 | 210 | .52 |
| 8 | 210 | .48 | 248 | 210 | .41 | 504 | 210 | .31 | 943 | 210 | .36 | 1264 | 210 | .81 |
| 9 | 210 | .21 | 249 | 210 | .53 | 505 | 210 | .28 | 944 | 210 | .35 | 1265 | 210 | .77 |
| 10 | 210 | .12 | 250 | 210 | .50 | 506 | 210 | .24 | 945 | 210 | .34 | 1266 | 210 | .81 |
| 11 | 210 | .01 | 251 | 210 | .45 | 507 | 210 | .23 | 946 | 210 | .26 | 1267 | 210 | .82 |
| 12 | 210 | .08 | 252 | 210 | .40 | 508 | 210 | .23 | 1107 | 210 | .11 | 1268 | 210 | .83 |
| 13 | 210 | .37 | 253 | 210 | .28 | 509 | 210 | .25 | 1108 | 210 | .31 | 1269 | 210 | .81 |
| 14 | 210 | .31 | 254 | 210 | .18 | 901 | 210 | .36 | 1109 | 210 | .38 | 1270 | 210 | .70 |
| 15 | 210 | .29 | 255 | 210 | .19 | 902 | 210 | .37 | 1110 | 210 | .37 | 1271 | 210 | .25 |
| 16 | 210 | .42 | 256 | 210 | .13 | 903 | 210 | .25 | 1111 | 210 | .36 | 1272 | 210 | .30 |
| 17 | 210 | .32 | 257 | 210 | .45 | 904 | 210 | .27 | 1116 | 210 | .04 | 1307 | 210 | .21 |
| 18 | 210 | .42 | 258 | 210 | .61 | 905 | 210 | .34 | 1121 | 210 | .16 | 1309 | 210 | .36 |
| 19 | 210 | .28 | 259 | 210 | .56 | 906 | 210 | .34 | 1126 | 210 | .14 | 1311 | 210 | .31 |
| 20 | 210 | .08 | 260 | 210 | .53 | 907 | 210 | .35 | 1136 | 210 | .20 | 1313 | 210 | .37 |
| 21 | 210 | .01 | 261 | 210 | .47 | 908 | 210 | .36 | 1221 | 210 | .31 | 1911 | 210 | .03 |
| 22 | 210 | .12 | 262 | 210 | .34 | 909 | 210 | .38 | 1222 | 210 | .36 | 1913 | 210 | .17 |
| 23 | 210 | .06 | 263 | 210 | .16 | 910 | 210 | .38 | 1223 | 210 | .36 | 1914 | 210 | .04 |
| 24 | 210 | .03 | 264 | 210 | .20 | 911 | 210 | .40 | 1224 | 210 | .35 | 1915 | 210 | .20 |
| 25 | 210 | .15 | 265 | 210 | .06 | 912 | 210 | .40 | 1225 | 210 | .36 | 1916 | 210 | .26 |
| 26 | 210 | .32 | 266 | 210 | .61 | 913 | 210 | .27 | 1226 | 210 | .33 | 1917 | 210 | .30 |
| 27 | 210 | .46 | 267 | 210 | .88 | 914 | 210 | .23 | 1227 | 210 | .36 | 1918 | 210 | .28 |
| 28 | 210 | .42 | 268 | 210 | .85 | 915 | 210 | .28 | 1230 | 210 | .38 | 1921 | 210 | .26 |
| 29 | 210 | .35 | 269 | 210 | .77 | 916 | 210 | .29 | 1231 | 210 | .39 | 1923 | 210 | .28 |
| 30 | 210 | .29 | 270 | 210 | .67 | 917 | 210 | .30 | 1232 | 210 | .38 | 1924 | 210 | .23 |
| 31 | 210 | .19 | 271 | 210 | .53 | 918 | 210 | .36 | 1233 | 210 | .39 | 1925 | 210 | .27 |
| 32 | 210 | .04 | 272 | 210 | .23 | 919 | 210 | .42 | 1234 | 210 | .38 | 1926 | 210 | .30 |
| 33 | 210 | .13 | 273 | 210 | .11 | 920 | 210 | .48 | 1235 | 210 | .37 | 1927 | 210 | .34 |
| 34 | 210 | .06 | 301 | 210 | .38 | 921 | 210 | .53 | 1236 | 210 | .33 | 1928 | 210 | .35 |
| 35 | 210 | .44 | 302 | 210 | .38 | 922 | 210 | .49 | 1239 | 210 | .45 | 1929 | 210 | .35 |
| 36 | 210 | .49 | 303 | 210 | .35 | 923 | 210 | .28 | 1240 | 210 | .43 | 1932 | 210 | .39 |
| 37 | 210 | .44 | 304 | 210 | .36 | 924 | 210 | .18 | 1241 | 210 | .43 | 1933 | 210 | .38 |
| 38 | 210 | .49 | 305 | 210 | .39 | 925 | 210 | .21 | 1242 | 210 | .43 | 1934 | 210 | .37 |
| 39 | 210 | .46 | 306 | 210 | .38 | 926 | 210 | .24 | 1243 | 210 | .44 | 1935 | 210 | .36 |
| 40 | 210 | .40 | 307 | 210 | .47 | 927 | 210 | .27 | 1244 | 210 | .42 | 1936 | 210 | .36 |
| 41 | 210 | .34 | 308 | 210 | .44 | 928 | 210 | .27 | 1245 | 210 | .44 | 1937 | 210 | .35 |
| 42 | 210 | .25 | 309 | 210 | .46 | 929 | 210 | .60 | 1248 | 210 | .51 | 1939 | 210 | .36 |
| 43 | 210 | .44 | 310 | 210 | .44 | 930 | 210 | .66 | 1249 | 210 | .52 | 1941 | 210 | .37 |
| 44 | 210 | .49 | 311 | 210 | .50 | 931 | 210 | .44 | 1250 | 210 | .52 | 1942 | 210 | .37 |
| 45 | 210 | .20 | 312 | 210 | .49 | 932 | 210 | .31 | 1251 | 210 | .51 | 1943 | 210 | .37 |
| 46 | 210 | .06 | 313 | 210 | .69 | 933 | 210 | .13 | 1252 | 210 | .51 | 1944 | 210 | .37 |
| 47 | 210 | .45 | 314 | 210 | .72 | 934 | 210 | .19 | 1253 | 210 | .49 | 1945 | 210 | .37 |
| 48 | 210 | .49 | 401 | 210 | .23 | 935 | 210 | .25 | 1254 | 210 | .48 | 1946 | 210 | .37 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION A

| TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM |
|-----|----------|--------|-----|----------|--------|-----|----------|--------|------|----------|--------|------|----------|--------|
| 101 | 225 | .23 | 225 | 225 | .16 | 273 | 225 | .00 | 920 | 225 | .55 | 1235 | 225 | .40 |
| 102 | 225 | .12 | 226 | 225 | .10 | 301 | 225 | .42 | 921 | 225 | .58 | 1236 | 225 | .41 |
| 103 | 225 | .05 | 227 | 225 | .06 | 302 | 225 | .39 | 922 | 225 | .42 | 1239 | 225 | .47 |
| 104 | 225 | .03 | 228 | 225 | .19 | 303 | 225 | .40 | 923 | 225 | .32 | 1240 | 225 | .47 |
| 105 | 225 | .06 | 229 | 225 | .41 | 304 | 225 | .43 | 924 | 225 | .14 | 1241 | 225 | .47 |
| 106 | 225 | .23 | 230 | 225 | .49 | 305 | 225 | .42 | 925 | 225 | .15 | 1242 | 225 | .46 |
| 107 | 225 | .06 | 231 | 225 | .34 | 306 | 225 | .00 | 926 | 225 | .16 | 1243 | 225 | .46 |
| 108 | 225 | .15 | 232 | 225 | .31 | 307 | 225 | .47 | 927 | 225 | .65 | 1244 | 225 | .45 |
| 109 | 225 | .18 | 233 | 225 | .21 | 308 | 225 | .49 | 928 | 225 | .47 | 1245 | 225 | .52 |
| 110 | 225 | .19 | 234 | 225 | .13 | 309 | 225 | .07 | 929 | 225 | .11 | 1248 | 225 | .54 |
| 111 | 225 | .03 | 235 | 225 | .57 | 310 | 225 | .09 | 930 | 225 | .08 | 1249 | 225 | .55 |
| 112 | 225 | .02 | 236 | 225 | .51 | 311 | 225 | .33 | 931 | 225 | .10 | 1250 | 225 | .54 |
| 113 | 225 | .23 | 237 | 225 | .48 | 312 | 225 | .16 | 932 | 225 | .72 | 1251 | 225 | .52 |
| 114 | 225 | .23 | 238 | 225 | .33 | 313 | 225 | .42 | 933 | 225 | .36 | 1252 | 225 | .54 |
| 115 | 225 | .19 | 239 | 225 | .23 | 314 | 225 | .38 | 934 | 225 | .26 | 1253 | 225 | .54 |
| 116 | 225 | .15 | 240 | 225 | .16 | 401 | 225 | .14 | 935 | 225 | .37 | 1254 | 225 | .56 |
| 120 | 225 | .27 | 241 | 225 | .04 | 402 | 225 | .12 | 936 | 225 | .26 | 1257 | 225 | .63 |
| 121 | 225 | .00 | 242 | 225 | .03 | 403 | 225 | .13 | 937 | 225 | .21 | 1258 | 225 | .62 |
| 125 | 225 | .42 | 243 | 225 | .38 | 404 | 225 | .07 | 938 | 225 | .09 | 1259 | 225 | .60 |
| 126 | 225 | .00 | 244 | 225 | .42 | 405 | 225 | .05 | 939 | 225 | .15 | 1260 | 225 | .63 |
| 130 | 225 | .60 | 245 | 225 | .34 | 501 | 225 | .11 | 940 | 225 | .32 | 1261 | 225 | .60 |
| 131 | 225 | .00 | 246 | 225 | .28 | 502 | 225 | .14 | 941 | 225 | .37 | 1262 | 225 | .61 |
| 135 | 225 | .27 | 247 | 225 | .19 | 503 | 225 | .36 | 942 | 225 | .33 | 1263 | 225 | .63 |
| 136 | 225 | .07 | 248 | 225 | .09 | 504 | 225 | .40 | 943 | 225 | .21 | 1266 | 225 | .66 |
| 201 | 225 | .21 | 249 | 225 | .46 | 505 | 225 | .37 | 944 | 225 | .39 | 1267 | 225 | .65 |
| 202 | 225 | .16 | 250 | 225 | .42 | 506 | 225 | .44 | 945 | 225 | .35 | 1268 | 225 | .66 |
| 203 | 225 | .20 | 251 | 225 | .29 | 507 | 225 | .37 | 946 | 225 | .29 | 1269 | 225 | .67 |
| 204 | 225 | .08 | 252 | 225 | .20 | 508 | 225 | .44 | 1107 | 225 | .37 | 1270 | 225 | .67 |
| 205 | 225 | .08 | 253 | 225 | .08 | 509 | 225 | .35 | 1108 | 225 | .32 | 1271 | 225 | .90 |
| 206 | 225 | .33 | 254 | 225 | .09 | 901 | 225 | .50 | 1109 | 225 | .37 | 1272 | 225 | .85 |
| 207 | 225 | .25 | 255 | 225 | .14 | 902 | 225 | .51 | 1110 | 225 | .36 | 1303 | 225 | .17 |
| 208 | 225 | .22 | 256 | 225 | .40 | 903 | 225 | .34 | 1111 | 225 | .36 | 1305 | 225 | .20 |
| 209 | 225 | .43 | 257 | 225 | .55 | 904 | 225 | .46 | 1116 | 225 | .00 | 1307 | 225 | .11 |
| 210 | 225 | .39 | 258 | 225 | .53 | 905 | 225 | .36 | 1121 | 225 | .26 | 1309 | 225 | .19 |
| 211 | 225 | .20 | 259 | 225 | .46 | 906 | 225 | .37 | 1126 | 225 | .29 | 1311 | 225 | .15 |
| 212 | 225 | .02 | 260 | 225 | .42 | 907 | 225 | .39 | 1136 | 225 | .40 | 1313 | 225 | .09 |
| 213 | 225 | .01 | 261 | 225 | .29 | 908 | 225 | .44 | 1221 | 225 | .32 | 1911 | 225 | .11 |
| 214 | 225 | .10 | 262 | 225 | .20 | 909 | 225 | .35 | 1222 | 225 | .35 | 1913 | 225 | .22 |
| 215 | 225 | .05 | 263 | 225 | .08 | 910 | 225 | .35 | 1223 | 225 | .37 | 1914 | 225 | .08 |
| 216 | 225 | .06 | 264 | 225 | .13 | 911 | 225 | .46 | 1224 | 225 | .37 | 1915 | 225 | .08 |
| 217 | 225 | .10 | 265 | 225 | .31 | 912 | 225 | .35 | 1225 | 225 | .36 | 1916 | 225 | .13 |
| 218 | 225 | .20 | 266 | 225 | .74 | 913 | 225 | .44 | 1226 | 225 | .35 | 1917 | 225 | .21 |
| 219 | 225 | .49 | 267 | 225 | .81 | 914 | 225 | .35 | 1227 | 225 | .35 | 1918 | 225 | .23 |
| 220 | 225 | .43 | 268 | 225 | .68 | 915 | 225 | .40 | 1230 | 225 | .40 | 1921 | 225 | .27 |
| 221 | 225 | .32 | 269 | 225 | .60 | 916 | 225 | .41 | 1231 | 225 | .40 | 1923 | 225 | .30 |
| 222 | 225 | .26 | 270 | 225 | .48 | 917 | 225 | .40 | 1232 | 225 | .40 | 1924 | 225 | .14 |
| 223 | 225 | .22 | 271 | 225 | .30 | 918 | 225 | .44 | 1233 | 225 | .40 | 1925 | 225 | .10 |
| 224 | 225 | .05 | 272 | 225 | .05 | 919 | 225 | .44 | 1234 | 225 | .40 | 1926 | 225 | .15 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION A

| TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM |
|------|----------|--------|-----|----------|--------|-----|----------|--------|------|----------|--------|------|----------|--------|
| 1927 | 225 | .22 | 209 | 240 | .19 | 257 | 240 | .44 | 904 | 240 | .40 | 1116 | 240 | .19 |
| 1928 | 225 | .31 | 210 | 240 | .08 | 258 | 240 | .36 | 905 | 240 | .38 | 1121 | 240 | .06 |
| 1930 | 225 | .33 | 211 | 240 | .13 | 259 | 240 | .29 | 906 | 240 | .31 | 1126 | 240 | .11 |
| 1932 | 225 | .40 | 212 | 240 | .04 | 260 | 240 | .23 | 907 | 240 | .35 | 1136 | 240 | .21 |
| 1933 | 225 | .38 | 213 | 240 | .05 | 261 | 240 | .14 | 908 | 240 | .42 | 1221 | 240 | .36 |
| 1934 | 225 | .29 | 214 | 240 | .01 | 262 | 240 | .08 | 909 | 240 | .45 | 1222 | 240 | .38 |
| 1935 | 225 | .27 | 215 | 240 | .08 | 263 | 240 | .01 | 910 | 240 | .44 | 1223 | 240 | .39 |
| 1936 | 225 | .32 | 216 | 240 | .02 | 264 | 240 | .08 | 911 | 240 | .44 | 1224 | 240 | .40 |
| 1937 | 225 | .35 | 217 | 240 | .01 | 265 | 240 | .57 | 912 | 240 | .49 | 1225 | 240 | .38 |
| 1939 | 225 | .35 | 218 | 240 | .15 | 266 | 240 | .63 | 913 | 240 | .28 | 1226 | 240 | .37 |
| 1941 | 225 | .40 | 219 | 240 | .22 | 267 | 240 | .55 | 914 | 240 | .51 | 1227 | 240 | .37 |
| 1942 | 225 | .39 | 220 | 240 | .10 | 268 | 240 | .41 | 915 | 240 | .33 | 1230 | 240 | .44 |
| 1943 | 225 | .37 | 221 | 240 | .23 | 269 | 240 | .31 | 916 | 240 | .27 | 1231 | 240 | .45 |
| 1944 | 225 | .37 | 222 | 240 | .17 | 270 | 240 | .23 | 917 | 240 | .21 | 1232 | 240 | .44 |
| 1945 | 225 | .37 | 223 | 240 | .14 | 271 | 240 | .13 | 918 | 240 | .36 | 1233 | 240 | .44 |
| 1946 | 225 | .37 | 224 | 240 | .10 | 272 | 240 | .02 | 919 | 240 | .43 | 1234 | 240 | .44 |
| 101 | 240 | .12 | 225 | 240 | .07 | 273 | 240 | .02 | 920 | 240 | .51 | 1235 | 240 | .43 |
| 102 | 240 | .00 | 226 | 240 | .01 | 301 | 240 | .39 | 921 | 240 | .53 | 1236 | 240 | .42 |
| 103 | 240 | .07 | 227 | 240 | .13 | 302 | 240 | .40 | 922 | 240 | .59 | 1239 | 240 | .49 |
| 104 | 240 | .07 | 228 | 240 | .23 | 303 | 240 | .39 | 923 | 240 | .59 | 1240 | 240 | .51 |
| 105 | 240 | .05 | 229 | 240 | .35 | 304 | 240 | .39 | 924 | 240 | .59 | 1241 | 240 | .48 |
| 106 | 240 | .12 | 230 | 240 | .37 | 305 | 240 | .40 | 925 | 240 | .12 | 1242 | 240 | .51 |
| 107 | 240 | .09 | 231 | 240 | .27 | 306 | 240 | .40 | 926 | 240 | .01 | 1243 | 240 | .52 |
| 108 | 240 | .29 | 232 | 240 | .22 | 307 | 240 | .40 | 927 | 240 | .09 | 1244 | 240 | .48 |
| 109 | 240 | .34 | 233 | 240 | .15 | 308 | 240 | .42 | 928 | 240 | .19 | 1245 | 240 | .49 |
| 110 | 240 | .35 | 234 | 240 | .09 | 309 | 240 | .43 | 929 | 240 | .62 | 1248 | 240 | .57 |
| 111 | 240 | .33 | 235 | 240 | .01 | 310 | 240 | .44 | 930 | 240 | .65 | 1249 | 240 | .57 |
| 112 | 240 | .10 | 236 | 240 | .15 | 311 | 240 | .48 | 931 | 240 | .68 | 1250 | 240 | .57 |
| 113 | 240 | .04 | 237 | 240 | .29 | 312 | 240 | .51 | 932 | 240 | .59 | 1251 | 240 | .58 |
| 114 | 240 | .06 | 238 | 240 | .41 | 313 | 240 | .67 | 933 | 240 | .48 | 1252 | 240 | .58 |
| 115 | 240 | .05 | 239 | 240 | .40 | 314 | 240 | .71 | 934 | 240 | .05 | 1253 | 240 | .56 |
| 116 | 240 | .45 | 240 | 240 | .30 | 401 | 240 | .23 | 935 | 240 | .07 | 1254 | 240 | .54 |
| 120 | 240 | .04 | 241 | 240 | .23 | 402 | 240 | .26 | 936 | 240 | .11 | 1257 | 240 | .67 |
| 121 | 240 | .43 | 242 | 240 | .18 | 403 | 240 | .35 | 937 | 240 | .21 | 1258 | 240 | .67 |
| 125 | 240 | .08 | 243 | 240 | .10 | 404 | 240 | .53 | 938 | 240 | .73 | 1259 | 240 | .69 |
| 126 | 240 | .40 | 244 | 240 | .03 | 405 | 240 | .57 | 939 | 240 | .77 | 1260 | 240 | .66 |
| 130 | 240 | .08 | 245 | 240 | .04 | 501 | 240 | .17 | 940 | 240 | .73 | 1261 | 240 | .68 |
| 131 | 240 | .58 | 246 | 240 | .01 | 502 | 240 | .16 | 941 | 240 | .77 | 1262 | 240 | .63 |
| 133 | 240 | .36 | 247 | 240 | .47 | 503 | 240 | .08 | 942 | 240 | .34 | 1263 | 240 | .53 |
| 136 | 240 | .43 | 248 | 240 | .42 | 504 | 240 | .07 | 943 | 240 | .10 | 1266 | 240 | .91 |
| 201 | 240 | .17 | 249 | 240 | .32 | 505 | 240 | .24 | 944 | 240 | .02 | 1267 | 240 | .92 |
| 202 | 240 | .08 | 250 | 240 | .26 | 506 | 240 | .23 | 945 | 240 | .11 | 1268 | 240 | .96 |
| 203 | 240 | .27 | 251 | 240 | .18 | 507 | 240 | .14 | 946 | 240 | .24 | 1269 | 240 | .95 |
| 204 | 240 | .36 | 252 | 240 | .13 | 508 | 240 | .01 | 1107 | 240 | .33 | 1270 | 240 | .94 |
| 205 | 240 | .19 | 253 | 240 | .07 | 509 | 240 | .08 | 1108 | 240 | .38 | 1271 | 240 | .89 |
| 206 | 240 | .15 | 254 | 240 | .03 | 901 | 240 | .43 | 1109 | 240 | .39 | 1272 | 240 | .72 |
| 207 | 240 | .37 | 255 | 240 | .68 | 902 | 240 | .45 | 1110 | 240 | .37 | 1303 | 240 | .21 |
| 208 | 240 | .23 | 256 | 240 | .51 | 903 | 240 | .24 | 1111 | 240 | .41 | 1305 | 240 | .20 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION R

| TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM |
|------|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|------|----------|--------|
| 1307 | 240 | .07 | 120 | 255 | .12 | 241 | 255 | .06 | 402 | 255 | .29 | 936 | 255 | .22 |
| 1309 | 240 | .18 | 121 | 255 | .52 | 242 | 255 | .03 | 403 | 255 | .28 | 937 | 255 | .29 |
| 1311 | 240 | .14 | 125 | 255 | .05 | 243 | 255 | .00 | 404 | 255 | .41 | 938 | 255 | .60 |
| 1313 | 240 | .08 | 126 | 255 | .53 | 244 | 255 | .03 | 405 | 255 | .46 | 939 | 255 | .62 |
| 1911 | 240 | .27 | 130 | 255 | .05 | 245 | 255 | .06 | 501 | 255 | .36 | 940 | 255 | .73 |
| 1913 | 240 | .35 | 131 | 255 | .78 | 246 | 255 | .01 | 502 | 255 | .00 | 941 | 255 | .56 |
| 1914 | 240 | .17 | 135 | 255 | .20 | 247 | 255 | .14 | 503 | 255 | .22 | 942 | 255 | .88 |
| 1915 | 240 | .15 | 136 | 255 | .55 | 248 | 255 | .01 | 504 | 255 | .06 | 943 | 255 | .23 |
| 1916 | 240 | .14 | 201 | 255 | .61 | 249 | 255 | .10 | 505 | 255 | .33 | 944 | 255 | .11 |
| 1917 | 240 | .21 | 202 | 255 | .47 | 250 | 255 | .07 | 506 | 255 | .31 | 945 | 255 | .26 |
| 1918 | 240 | .23 | 203 | 255 | .42 | 251 | 255 | .04 | 507 | 255 | .21 | 946 | 255 | .36 |
| 1921 | 240 | .37 | 204 | 255 | .42 | 252 | 255 | .00 | 508 | 255 | .08 | 1107 | 255 | .32 |
| 1923 | 240 | .40 | 205 | 255 | .25 | 253 | 255 | .01 | 509 | 255 | .00 | 1108 | 255 | .33 |
| 1924 | 240 | .34 | 206 | 255 | .18 | 254 | 255 | .00 | 901 | 255 | .44 | 1109 | 255 | .33 |
| 1925 | 240 | .21 | 207 | 255 | .34 | 255 | 255 | .07 | 902 | 255 | .47 | 1110 | 255 | .30 |
| 1926 | 240 | .18 | 208 | 255 | .21 | 256 | 255 | .14 | 903 | 255 | .34 | 1111 | 255 | .34 |
| 1927 | 240 | .22 | 209 | 255 | .14 | 257 | 255 | .02 | 904 | 255 | .45 | 1116 | 255 | .24 |
| 1928 | 240 | .30 | 210 | 255 | .41 | 258 | 255 | .14 | 905 | 255 | .45 | 1121 | 255 | .10 |
| 1930 | 240 | .37 | 211 | 255 | .41 | 259 | 255 | .09 | 906 | 255 | .32 | 1126 | 255 | .06 |
| 1932 | 240 | .40 | 212 | 255 | .41 | 260 | 255 | .05 | 907 | 255 | .32 | 1136 | 255 | .04 |
| 1933 | 240 | .40 | 213 | 255 | .15 | 261 | 255 | .01 | 908 | 255 | .33 | 1221 | 255 | .29 |
| 1934 | 240 | .36 | 214 | 255 | .02 | 262 | 255 | .01 | 909 | 255 | .35 | 1222 | 255 | .32 |
| 1935 | 240 | .30 | 215 | 255 | .04 | 263 | 255 | .00 | 910 | 255 | .40 | 1223 | 255 | .31 |
| 1936 | 240 | .29 | 216 | 255 | .03 | 264 | 255 | .07 | 911 | 255 | .41 | 1224 | 255 | .32 |
| 1937 | 240 | .31 | 217 | 255 | .06 | 265 | 255 | .03 | 912 | 255 | .48 | 1225 | 255 | .31 |
| 1939 | 240 | .39 | 218 | 255 | .16 | 266 | 255 | .14 | 913 | 255 | .33 | 1226 | 255 | .29 |
| 1941 | 240 | .39 | 219 | 255 | .19 | 267 | 255 | .17 | 914 | 255 | .46 | 1227 | 255 | .29 |
| 1942 | 240 | .41 | 220 | 255 | .41 | 268 | 255 | .12 | 915 | 255 | .43 | 1230 | 255 | .40 |
| 1943 | 240 | .40 | 221 | 255 | .06 | 269 | 255 | .05 | 916 | 255 | .29 | 1231 | 255 | .37 |
| 1944 | 240 | .37 | 222 | 255 | .05 | 270 | 255 | .03 | 917 | 255 | .17 | 1232 | 255 | .35 |
| 1945 | 240 | .36 | 223 | 255 | .05 | 271 | 255 | .01 | 918 | 255 | .20 | 1233 | 255 | .33 |
| 1946 | 240 | .35 | 224 | 255 | .04 | 272 | 255 | .03 | 919 | 255 | .38 | 1234 | 255 | .33 |
| 101 | 255 | .02 | 225 | 255 | .01 | 273 | 255 | .05 | 920 | 255 | .40 | 1235 | 255 | .32 |
| 102 | 255 | .12 | 226 | 255 | .04 | 274 | 255 | .01 | 921 | 255 | .42 | 1236 | 255 | .33 |
| 103 | 255 | .19 | 227 | 255 | .14 | 275 | 255 | .00 | 922 | 255 | .30 | 1239 | 255 | .43 |
| 104 | 255 | .21 | 228 | 255 | .21 | 276 | 255 | .00 | 923 | 255 | .30 | 1240 | 255 | .42 |
| 105 | 255 | .15 | 229 | 255 | .30 | 277 | 255 | .00 | 924 | 255 | .00 | 1241 | 255 | .40 |
| 106 | 255 | .03 | 230 | 255 | .23 | 278 | 255 | .05 | 925 | 255 | .42 | 1242 | 255 | .38 |
| 107 | 255 | .24 | 231 | 255 | .05 | 279 | 255 | .03 | 926 | 255 | .12 | 1243 | 255 | .37 |
| 108 | 255 | .44 | 232 | 255 | .05 | 280 | 255 | .07 | 927 | 255 | .05 | 1244 | 255 | .35 |
| 109 | 255 | .46 | 233 | 255 | .03 | 281 | 255 | .03 | 928 | 255 | .02 | 1245 | 255 | .31 |
| 110 | 255 | .48 | 234 | 255 | .02 | 282 | 255 | .03 | 929 | 255 | .45 | 1248 | 255 | .47 |
| 111 | 255 | .40 | 235 | 255 | .06 | 283 | 255 | .10 | 930 | 255 | .48 | 1249 | 255 | .48 |
| 112 | 255 | .19 | 236 | 255 | .17 | 284 | 255 | .40 | 931 | 255 | .48 | 1250 | 255 | .47 |
| 113 | 255 | .14 | 237 | 255 | .27 | 285 | 255 | .40 | 932 | 255 | .30 | 1251 | 255 | .46 |
| 114 | 255 | .14 | 238 | 255 | .17 | 286 | 255 | .40 | 933 | 255 | .34 | 1252 | 255 | .41 |
| 115 | 255 | .09 | 239 | 255 | .09 | 287 | 255 | .14 | 934 | 255 | .32 | 1253 | 255 | .31 |
| 116 | 255 | .00 | 240 | 255 | .09 | 288 | 255 | .01 | 935 | 255 | .03 | 1254 | 255 | .27 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION A

| TAP | AZI- MUTH | ANSCPM | TAP | AZI- MUTH | ANSCPM | TAP | AZI- MUTH | ANSCPM | TAP | AZI- MUTH | ANSCPM | TAP | AZI- MUTH | ANSCPM |
|------|--------------|--------|-----|--------------|--------|-----|--------------|--------|-----|--------------|--------|------|--------------|--------|
| 1257 | 2 | .55 | 101 | 270 | .12 | 225 | 270 | -.10 | 273 | 270 | -.03 | 920 | 270 | -.33 |
| 1258 | 2 | .55 | 102 | 270 | .25 | 226 | 270 | -.07 | 301 | 270 | -.16 | 921 | 270 | -.35 |
| 1259 | 2 | .55 | 103 | 270 | .28 | 227 | 270 | -.09 | 302 | 270 | -.15 | 922 | 270 | -.38 |
| 1260 | 2 | .53 | 104 | 270 | .26 | 228 | 270 | -.11 | 303 | 270 | -.17 | 923 | 270 | -.39 |
| 1261 | 2 | .48 | 105 | 270 | .25 | 229 | 270 | -.50 | 304 | 270 | -.14 | 924 | 270 | -.39 |
| 1262 | 2 | .35 | 106 | 270 | .13 | 230 | 270 | -.49 | 305 | 270 | -.17 | 925 | 270 | -.38 |
| 1263 | 2 | .26 | 107 | 270 | .36 | 231 | 270 | -.46 | 306 | 270 | -.17 | 926 | 270 | -.30 |
| 1266 | 2 | .78 | 108 | 270 | .51 | 232 | 270 | -.37 | 307 | 270 | -.20 | 927 | 270 | -.16 |
| 1267 | 2 | .75 | 109 | 270 | .53 | 233 | 270 | -.19 | 308 | 270 | -.19 | 928 | 270 | -.08 |
| 1268 | 2 | .77 | 110 | 270 | .49 | 234 | 270 | -.11 | 309 | 270 | -.23 | 929 | 270 | -.30 |
| 1269 | 2 | .72 | 111 | 270 | .47 | 235 | 270 | -.08 | 310 | 270 | -.22 | 930 | 270 | -.34 |
| 1270 | 2 | .62 | 112 | 270 | .28 | 236 | 270 | -.10 | 311 | 270 | -.25 | 931 | 270 | -.36 |
| 1271 | 2 | .47 | 113 | 270 | .23 | 237 | 270 | -.15 | 312 | 270 | -.26 | 932 | 270 | -.28 |
| 1272 | 2 | .36 | 114 | 270 | .20 | 238 | 270 | -.37 | 313 | 270 | -.36 | 933 | 270 | -.38 |
| 1303 | 2 | .22 | 115 | 270 | .22 | 239 | 270 | -.56 | 314 | 270 | -.35 | 934 | 270 | -.41 |
| 1305 | 2 | .20 | 116 | 270 | .49 | 240 | 270 | -.51 | 401 | 270 | -.32 | 935 | 270 | -.30 |
| 1307 | 2 | .10 | 120 | 270 | .21 | 241 | 270 | -.31 | 402 | 270 | -.33 | 936 | 270 | -.18 |
| 1309 | 2 | .16 | 121 | 270 | .49 | 242 | 270 | -.18 | 403 | 270 | -.30 | 937 | 270 | -.00 |
| 1311 | 2 | .12 | 125 | 270 | .18 | 243 | 270 | -.10 | 404 | 270 | -.26 | 938 | 270 | -.31 |
| 1313 | 2 | .05 | 126 | 270 | .49 | 244 | 270 | -.08 | 405 | 270 | -.28 | 939 | 270 | -.34 |
| 1911 | 2 | .25 | 130 | 270 | .23 | 245 | 270 | -.05 | 501 | 270 | -.05 | 940 | 270 | -.42 |
| 1913 | 2 | .33 | 131 | 270 | .70 | 246 | 270 | -.01 | 502 | 270 | -.05 | 941 | 270 | -.31 |
| 1914 | 2 | .27 | 135 | 270 | -.05 | 247 | 270 | -.63 | 503 | 270 | -.04 | 942 | 270 | -.38 |
| 1915 | 2 | .25 | 136 | 270 | .58 | 248 | 270 | -.64 | 504 | 270 | -.04 | 943 | 270 | -.41 |
| 1916 | 2 | .19 | 201 | 270 | -.43 | 249 | 270 | -.55 | 505 | 270 | -.01 | 944 | 270 | -.35 |
| 1917 | 2 | .21 | 202 | 270 | -.45 | 250 | 270 | -.29 | 506 | 270 | -.00 | 945 | 270 | -.23 |
| 1918 | 2 | .22 | 203 | 270 | -.41 | 251 | 270 | -.17 | 507 | 270 | -.03 | 946 | 270 | -.00 |
| 1921 | 2 | .32 | 204 | 270 | -.10 | 252 | 270 | -.10 | 508 | 270 | -.04 | 1107 | 270 | -.17 |
| 1923 | 2 | .32 | 205 | 270 | -.05 | 253 | 270 | -.08 | 509 | 270 | -.06 | 1108 | 270 | -.16 |
| 1924 | 2 | .34 | 206 | 270 | -.01 | 254 | 270 | -.03 | 901 | 270 | -.39 | 1109 | 270 | -.16 |
| 1925 | 2 | .28 | 207 | 270 | -.08 | 255 | 270 | -.02 | 902 | 270 | -.39 | 1110 | 270 | -.16 |
| 1926 | 2 | .24 | 208 | 270 | -.01 | 256 | 270 | -.07 | 903 | 270 | -.34 | 1111 | 270 | -.18 |
| 1927 | 2 | .23 | 209 | 270 | -.01 | 257 | 270 | -.69 | 904 | 270 | -.43 | 1116 | 270 | -.18 |
| 1928 | 2 | .25 | 210 | 270 | -.44 | 258 | 270 | -.55 | 905 | 270 | -.41 | 1121 | 270 | -.14 |
| 1930 | 2 | .32 | 211 | 270 | -.44 | 259 | 270 | -.32 | 906 | 270 | -.31 | 1126 | 270 | -.14 |
| 1932 | 2 | .33 | 212 | 270 | -.43 | 260 | 270 | -.20 | 907 | 270 | -.20 | 1136 | 270 | -.23 |
| 1933 | 2 | .33 | 213 | 270 | -.43 | 261 | 270 | -.12 | 908 | 270 | -.14 | 1221 | 270 | -.16 |
| 1934 | 2 | .32 | 214 | 270 | -.40 | 262 | 270 | -.07 | 909 | 270 | -.13 | 1222 | 270 | -.18 |
| 1935 | 2 | .29 | 215 | 270 | -.27 | 263 | 270 | -.03 | 910 | 270 | -.35 | 1223 | 270 | -.18 |
| 1936 | 2 | .27 | 216 | 270 | -.13 | 264 | 270 | -.01 | 911 | 270 | -.37 | 1224 | 270 | -.15 |
| 1937 | 2 | .27 | 217 | 270 | -.10 | 265 | 270 | -.86 | 912 | 270 | -.41 | 1225 | 270 | -.13 |
| 1939 | 2 | .32 | 218 | 270 | -.10 | 266 | 270 | -.90 | 913 | 270 | -.34 | 1226 | 270 | -.12 |
| 1941 | 2 | .32 | 219 | 270 | -.11 | 267 | 270 | -.63 | 914 | 270 | -.40 | 1227 | 270 | -.13 |
| 1942 | 2 | .34 | 220 | 270 | -.41 | 268 | 270 | -.39 | 915 | 270 | -.40 | 1230 | 270 | -.17 |
| 1943 | 2 | .34 | 221 | 270 | -.42 | 269 | 270 | -.24 | 916 | 270 | -.27 | 1231 | 270 | -.10 |
| 1944 | 2 | .32 | 222 | 270 | -.45 | 270 | 270 | -.16 | 917 | 270 | -.18 | 1232 | 270 | -.08 |
| 1945 | 2 | .31 | 223 | 270 | -.36 | 271 | 270 | -.13 | 918 | 270 | -.12 | 1233 | 270 | -.13 |
| 1946 | 2 | .29 | 224 | 270 | -.21 | 272 | 270 | -.10 | 919 | 270 | -.13 | 1234 | 270 | -.13 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION A

| TAP | AZI-MUTH | ANSCPN | TAP | AZI-MUTH | ANSCPN | TAP | AZI-MUTH | ANSCPN | TAP | AZI-MUTH | ANSCPN | TAP | AZI-MUTH | ANSCPN |
|-------|----------|--------|------|----------|--------|-----|----------|--------|-----|----------|--------|------|----------|--------|
| 1233 | 270 | .12 | 1927 | 270 | .14 | 209 | 285 | .35 | 257 | 285 | .56 | 904 | 285 | .54 |
| 1236 | 270 | .12 | 1928 | 270 | .13 | 210 | 285 | .43 | 258 | 285 | .66 | 905 | 285 | .18 |
| 1239 | 270 | .14 | 1930 | 270 | .16 | 211 | 285 | .49 | 259 | 285 | .63 | 906 | 285 | .03 |
| 1240 | 270 | .14 | 1932 | 270 | .17 | 212 | 285 | .57 | 260 | 285 | .58 | 907 | 285 | .05 |
| 1241 | 270 | .09 | 1933 | 270 | .18 | 213 | 285 | .56 | 261 | 285 | .49 | 908 | 285 | .14 |
| 1242 | 270 | .10 | 1934 | 270 | .18 | 214 | 285 | .50 | 262 | 285 | .41 | 909 | 285 | .23 |
| 1243 | 270 | .10 | 1935 | 270 | .16 | 215 | 285 | .43 | 263 | 285 | .40 | 910 | 285 | .87 |
| 1244 | 270 | .10 | 1936 | 270 | .15 | 216 | 285 | .38 | 264 | 285 | .43 | 911 | 285 | .85 |
| 1244a | 270 | .08 | 1937 | 270 | .14 | 217 | 285 | .31 | 265 | 285 | .85 | 912 | 285 | .69 |
| 1248 | 270 | .15 | 1939 | 270 | .16 | 218 | 285 | .31 | 266 | 285 | .83 | 913 | 285 | .63 |
| 1249 | 270 | .14 | 1941 | 270 | .17 | 219 | 285 | .31 | 267 | 285 | .89 | 914 | 285 | .39 |
| 1250 | 270 | .11 | 1942 | 270 | .18 | 220 | 285 | .45 | 268 | 285 | .87 | 915 | 285 | .17 |
| 1251 | 270 | .07 | 1943 | 270 | .18 | 221 | 285 | .45 | 269 | 285 | .70 | 916 | 285 | .04 |
| 1252 | 270 | .07 | 1944 | 270 | .16 | 222 | 285 | .51 | 270 | 285 | .66 | 917 | 285 | .05 |
| 1253 | 270 | .05 | 1945 | 270 | .14 | 223 | 285 | .51 | 271 | 285 | .54 | 918 | 285 | .22 |
| 1254 | 270 | .06 | 1946 | 270 | .13 | 224 | 285 | .46 | 272 | 285 | .53 | 919 | 285 | .20 |
| 1255 | 270 | .17 | 101 | 285 | .22 | 225 | 285 | .39 | 273 | 285 | .56 | 920 | 285 | .77 |
| 1258 | 270 | .17 | 102 | 285 | .24 | 226 | 285 | .34 | 301 | 285 | .24 | 921 | 285 | .80 |
| 1259 | 270 | .08 | 103 | 285 | .19 | 227 | 285 | .30 | 302 | 285 | .23 | 922 | 285 | .79 |
| 1260 | 270 | .05 | 104 | 285 | .19 | 228 | 285 | .30 | 303 | 285 | .24 | 923 | 285 | .54 |
| 1261 | 270 | .05 | 105 | 285 | .19 | 229 | 285 | .46 | 304 | 285 | .22 | 924 | 285 | .17 |
| 1262 | 270 | .04 | 106 | 285 | .31 | 230 | 285 | .45 | 305 | 285 | .29 | 925 | 285 | .12 |
| 1263 | 270 | .05 | 107 | 285 | .50 | 231 | 285 | .47 | 306 | 285 | .26 | 926 | 285 | .17 |
| 1266 | 270 | .20 | 108 | 285 | .53 | 232 | 285 | .46 | 307 | 285 | .32 | 927 | 285 | .28 |
| 1267 | 270 | .16 | 109 | 285 | .52 | 233 | 285 | .42 | 308 | 285 | .28 | 928 | 285 | .33 |
| 1268 | 270 | .14 | 110 | 285 | .48 | 234 | 285 | .34 | 309 | 285 | .30 | 929 | 285 | .66 |
| 1269 | 270 | .09 | 111 | 285 | .47 | 235 | 285 | .30 | 310 | 285 | .27 | 930 | 285 | .69 |
| 1270 | 270 | .06 | 112 | 285 | .35 | 236 | 285 | .27 | 311 | 285 | .32 | 931 | 285 | .74 |
| 1271 | 270 | .01 | 113 | 285 | .17 | 237 | 285 | .26 | 312 | 285 | .31 | 932 | 285 | .45 |
| 1272 | 270 | .05 | 114 | 285 | .15 | 238 | 285 | .47 | 313 | 285 | .41 | 933 | 285 | .48 |
| 1302 | 270 | .13 | 115 | 285 | .42 | 239 | 285 | .47 | 314 | 285 | .35 | 934 | 285 | .05 |
| 1303 | 270 | .11 | 116 | 285 | .34 | 240 | 285 | .50 | 401 | 285 | .68 | 935 | 285 | .23 |
| 1307 | 270 | .07 | 120 | 285 | .48 | 241 | 285 | .48 | 402 | 285 | .64 | 936 | 285 | .34 |
| 1309 | 270 | .04 | 121 | 285 | .34 | 242 | 285 | .47 | 403 | 285 | .63 | 937 | 285 | .48 |
| 1311 | 270 | .05 | 123 | 285 | .45 | 243 | 285 | .39 | 404 | 285 | .47 | 938 | 285 | .48 |
| 1313 | 270 | .04 | 126 | 285 | .27 | 244 | 285 | .36 | 405 | 285 | .40 | 939 | 285 | .51 |
| 1911 | 270 | .11 | 130 | 285 | .69 | 245 | 285 | .32 | 501 | 285 | .37 | 940 | 285 | .67 |
| 1913 | 270 | .17 | 131 | 285 | .46 | 246 | 285 | .32 | 502 | 285 | .38 | 941 | 285 | .48 |
| 1914 | 270 | .14 | 135 | 285 | .32 | 247 | 285 | .52 | 503 | 285 | .45 | 942 | 285 | .71 |
| 1915 | 270 | .17 | 136 | 285 | .31 | 248 | 285 | .53 | 504 | 285 | .44 | 943 | 285 | .42 |
| 1916 | 270 | .14 | 201 | 285 | .53 | 249 | 285 | .56 | 505 | 285 | .32 | 944 | 285 | .03 |
| 1917 | 270 | .14 | 202 | 285 | .53 | 250 | 285 | .58 | 506 | 285 | .47 | 945 | 285 | .22 |
| 1918 | 270 | .14 | 203 | 285 | .60 | 251 | 285 | .52 | 507 | 285 | .45 | 946 | 285 | .31 |
| 1921 | 270 | .18 | 204 | 285 | .32 | 252 | 285 | .45 | 508 | 285 | .30 | 1107 | 285 | .29 |
| 1923 | 270 | .18 | 205 | 285 | .34 | 253 | 285 | .59 | 509 | 285 | .22 | 1108 | 285 | .29 |
| 1924 | 270 | .17 | 206 | 285 | .37 | 254 | 285 | .36 | 901 | 285 | .92 | 1109 | 285 | .30 |
| 1925 | 270 | .17 | 207 | 285 | .31 | 255 | 285 | .39 | 902 | 285 | .87 | 1110 | 285 | .30 |
| 1926 | 270 | .16 | 208 | 285 | .33 | 256 | 285 | .60 | 903 | 285 | .72 | 1111 | 285 | .31 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION A

| TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM |
|------|----------|--------|------|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|
| 1116 | 285 | .35 | 1307 | 285 | .27 | 120 | 300 | .46 | 241 | 300 | .43 | 402 | 300 | .71 |
| 1121 | 285 | .40 | 1309 | 285 | .19 | 121 | 300 | .09 | 242 | 300 | .44 | 403 | 300 | .61 |
| 1126 | 285 | .47 | 1311 | 285 | .08 | 125 | 300 | .47 | 243 | 300 | .46 | 404 | 300 | .63 |
| 1136 | 285 | .76 | 1313 | 285 | .31 | 126 | 300 | .03 | 244 | 300 | .45 | 405 | 300 | .56 |
| 1221 | 285 | .25 | 1911 | 285 | .24 | 130 | 300 | .54 | 245 | 300 | .48 | 501 | 300 | .24 |
| 1222 | 285 | .30 | 1913 | 285 | .28 | 131 | 300 | .02 | 246 | 300 | .50 | 502 | 300 | .20 |
| 1223 | 285 | .27 | 1914 | 285 | .27 | 135 | 300 | .43 | 247 | 300 | .44 | 503 | 300 | .21 |
| 1224 | 285 | .22 | 1915 | 285 | .30 | 136 | 300 | .01 | 248 | 300 | .46 | 504 | 300 | .25 |
| 1225 | 285 | .20 | 1916 | 285 | .26 | 201 | 300 | .35 | 249 | 300 | .48 | 505 | 300 | .28 |
| 1226 | 285 | .20 | 1917 | 285 | .27 | 202 | 300 | .39 | 250 | 300 | .50 | 506 | 300 | .26 |
| 1227 | 285 | .20 | 1918 | 285 | .26 | 203 | 300 | .41 | 251 | 300 | .52 | 507 | 300 | .13 |
| 1230 | 285 | .26 | 1921 | 285 | .30 | 204 | 300 | .39 | 252 | 300 | .52 | 508 | 300 | .02 |
| 1231 | 285 | .11 | 1923 | 285 | .30 | 205 | 300 | .38 | 253 | 300 | .51 | 509 | 300 | .07 |
| 1232 | 285 | .07 | 1924 | 285 | .29 | 206 | 300 | .41 | 254 | 300 | .54 | 901 | 300 | .22 |
| 1233 | 285 | .18 | 1925 | 285 | .30 | 207 | 300 | .39 | 255 | 300 | .52 | 902 | 300 | .88 |
| 1234 | 285 | .18 | 1926 | 285 | .28 | 208 | 300 | .39 | 256 | 300 | .51 | 903 | 300 | .78 |
| 1235 | 285 | .17 | 1927 | 285 | .28 | 209 | 300 | .41 | 257 | 300 | .53 | 904 | 300 | .45 |
| 1236 | 285 | .18 | 1928 | 285 | .27 | 210 | 300 | .38 | 258 | 300 | .55 | 905 | 300 | .28 |
| 1239 | 285 | .08 | 1930 | 285 | .31 | 211 | 300 | .38 | 259 | 300 | .54 | 906 | 300 | .19 |
| 1240 | 285 | .02 | 1932 | 285 | .30 | 212 | 300 | .37 | 260 | 300 | .60 | 907 | 300 | .10 |
| 1241 | 285 | .01 | 1933 | 285 | .30 | 213 | 300 | .38 | 261 | 300 | .59 | 908 | 300 | .09 |
| 1242 | 285 | .08 | 1934 | 285 | .30 | 214 | 300 | .38 | 262 | 300 | .59 | 909 | 300 | .30 |
| 1243 | 285 | .11 | 1935 | 285 | .29 | 215 | 300 | .39 | 263 | 300 | .64 | 910 | 300 | .83 |
| 1244 | 285 | .12 | 1936 | 285 | .29 | 216 | 300 | .37 | 264 | 300 | .74 | 911 | 300 | .47 |
| 1245 | 285 | .12 | 1937 | 285 | .26 | 217 | 300 | .37 | 265 | 300 | .72 | 912 | 300 | .57 |
| 1248 | 285 | .05 | 1939 | 285 | .30 | 218 | 300 | .36 | 266 | 300 | .72 | 913 | 300 | .68 |
| 1249 | 285 | .06 | 1941 | 285 | .31 | 219 | 300 | .40 | 267 | 300 | .79 | 914 | 300 | .50 |
| 1250 | 285 | .01 | 1942 | 285 | .31 | 220 | 300 | .38 | 268 | 300 | .83 | 915 | 300 | .30 |
| 1251 | 285 | .06 | 1943 | 285 | .30 | 221 | 300 | .35 | 269 | 300 | .83 | 916 | 300 | .19 |
| 1252 | 285 | .11 | 1944 | 285 | .29 | 222 | 300 | .39 | 270 | 300 | .85 | 917 | 300 | .10 |
| 1253 | 285 | .12 | 1945 | 285 | .27 | 223 | 300 | .40 | 271 | 300 | .80 | 918 | 300 | .21 |
| 1254 | 285 | .15 | 1946 | 285 | .26 | 224 | 300 | .40 | 272 | 300 | .86 | 919 | 300 | .29 |
| 1257 | 285 | .02 | 101 | 300 | .29 | 225 | 300 | .38 | 273 | 300 | .88 | 920 | 300 | .00 |
| 1258 | 285 | .00 | 102 | 300 | .15 | 226 | 300 | .39 | 301 | 300 | .30 | 921 | 300 | .12 |
| 1259 | 285 | .02 | 103 | 300 | .07 | 227 | 300 | .39 | 302 | 300 | .28 | 922 | 300 | .70 |
| 1260 | 285 | .08 | 104 | 300 | .09 | 228 | 300 | .39 | 303 | 300 | .31 | 923 | 300 | .49 |
| 1261 | 285 | .11 | 105 | 300 | .06 | 229 | 300 | .39 | 304 | 300 | .30 | 924 | 300 | .02 |
| 1262 | 285 | .12 | 106 | 300 | .52 | 230 | 300 | .39 | 305 | 300 | .37 | 925 | 300 | .12 |
| 1263 | 285 | .13 | 107 | 300 | .53 | 231 | 300 | .41 | 306 | 300 | .33 | 926 | 300 | .11 |
| 1266 | 285 | .02 | 108 | 300 | .43 | 232 | 300 | .43 | 307 | 300 | .41 | 927 | 300 | .05 |
| 1267 | 285 | .04 | 109 | 300 | .39 | 233 | 300 | .43 | 308 | 300 | .38 | 928 | 300 | .05 |
| 1268 | 285 | .02 | 110 | 300 | .38 | 234 | 300 | .41 | 309 | 300 | .38 | 929 | 300 | .79 |
| 1269 | 285 | .08 | 111 | 300 | .36 | 235 | 300 | .40 | 310 | 300 | .36 | 930 | 300 | .80 |
| 1270 | 285 | .11 | 112 | 300 | .16 | 236 | 300 | .40 | 311 | 300 | .41 | 931 | 300 | .85 |
| 1271 | 285 | .02 | 113 | 300 | .10 | 237 | 300 | .42 | 312 | 300 | .39 | 932 | 300 | .42 |
| 1272 | 285 | .19 | 114 | 300 | .07 | 238 | 300 | .41 | 313 | 300 | .49 | 933 | 300 | .02 |
| 1303 | 285 | .27 | 115 | 300 | .51 | 239 | 300 | .41 | 314 | 300 | .45 | 934 | 300 | .07 |
| 1305 | 285 | .30 | 116 | 300 | .13 | 240 | 300 | .42 | 401 | 300 | .77 | 935 | 300 | .06 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDEBERG CONFIGURATION A

| TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM |
|------|----------|--------|------|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|
| 936 | 300 | .16 | 1257 | 300 | .15 | 101 | 315 | .11 | 225 | 315 | .37 | 273 | 315 | .89 |
| 937 | 300 | .26 | 1258 | 300 | .15 | 102 | 315 | .01 | 226 | 315 | .38 | 301 | 315 | .33 |
| 938 | 300 | .68 | 1259 | 300 | .02 | 103 | 315 | .04 | 227 | 315 | .39 | 302 | 315 | .00 |
| 939 | 300 | .73 | 1260 | 300 | .08 | 104 | 315 | .01 | 228 | 315 | .41 | 303 | 315 | .00 |
| 940 | 300 | .74 | 1261 | 300 | .16 | 105 | 315 | .05 | 229 | 315 | .40 | 304 | 315 | .00 |
| 941 | 300 | .74 | 1262 | 300 | .19 | 106 | 315 | .26 | 230 | 315 | .39 | 305 | 315 | .55 |
| 942 | 300 | .43 | 1263 | 300 | .19 | 107 | 315 | .32 | 231 | 315 | .41 | 306 | 315 | .84 |
| 943 | 300 | .09 | 1266 | 300 | .28 | 108 | 315 | .24 | 232 | 315 | .40 | 307 | 315 | .88 |
| 944 | 300 | .00 | 1267 | 300 | .18 | 109 | 315 | .23 | 233 | 315 | .41 | 308 | 315 | .66 |
| 945 | 300 | .13 | 1268 | 300 | .07 | 110 | 315 | .22 | 234 | 315 | .41 | 309 | 315 | .99 |
| 946 | 300 | .30 | 1269 | 300 | .12 | 111 | 315 | .33 | 235 | 315 | .41 | 310 | 315 | .66 |
| 1107 | 300 | .37 | 1270 | 300 | .20 | 112 | 315 | .02 | 236 | 315 | .42 | 311 | 315 | .22 |
| 1108 | 300 | .37 | 1271 | 300 | .05 | 113 | 315 | .00 | 237 | 315 | .41 | 312 | 315 | .40 |
| 1109 | 300 | .37 | 1272 | 300 | .43 | 114 | 315 | .02 | 238 | 315 | .42 | 313 | 315 | .57 |
| 1110 | 300 | .36 | 1303 | 300 | .33 | 115 | 315 | .04 | 239 | 315 | .42 | 314 | 315 | .77 |
| 1111 | 300 | .39 | 1305 | 300 | .42 | 116 | 315 | .13 | 240 | 315 | .44 | 401 | 315 | .77 |
| 1116 | 300 | .44 | 1307 | 300 | .43 | 120 | 315 | .17 | 241 | 315 | .45 | 402 | 315 | .75 |
| 1121 | 300 | .47 | 1309 | 300 | .47 | 121 | 315 | .13 | 242 | 315 | .45 | 403 | 315 | .54 |
| 1126 | 300 | .59 | 1311 | 300 | .45 | 125 | 315 | .39 | 243 | 315 | .46 | 404 | 315 | .54 |
| 1136 | 300 | .91 | 1313 | 300 | .77 | 126 | 315 | .27 | 244 | 315 | .46 | 405 | 315 | .54 |
| 1221 | 300 | .30 | 1911 | 300 | .30 | 130 | 315 | .70 | 245 | 315 | .52 | 501 | 315 | .00 |
| 1222 | 300 | .34 | 1913 | 300 | .34 | 131 | 315 | .37 | 246 | 315 | .52 | 502 | 315 | .80 |
| 1223 | 300 | .18 | 1914 | 300 | .34 | 135 | 315 | .47 | 247 | 315 | .49 | 503 | 315 | .07 |
| 1224 | 300 | .18 | 1915 | 300 | .37 | 136 | 315 | .35 | 248 | 315 | .48 | 504 | 315 | .01 |
| 1225 | 300 | .21 | 1916 | 300 | .35 | 201 | 315 | .38 | 249 | 315 | .48 | 505 | 315 | .44 |
| 1226 | 300 | .23 | 1917 | 300 | .36 | 202 | 315 | .39 | 250 | 315 | .51 | 506 | 315 | .00 |
| 1227 | 300 | .23 | 1918 | 300 | .35 | 203 | 315 | .41 | 251 | 315 | .52 | 507 | 315 | .15 |
| 1230 | 300 | .22 | 1921 | 300 | .35 | 204 | 315 | .42 | 252 | 315 | .53 | 508 | 315 | .66 |
| 1231 | 300 | .18 | 1923 | 300 | .38 | 205 | 315 | .30 | 253 | 315 | .53 | 509 | 315 | .30 |
| 1232 | 300 | .02 | 1924 | 300 | .40 | 206 | 315 | .41 | 254 | 315 | .52 | 901 | 315 | .10 |
| 1233 | 300 | .17 | 1925 | 300 | .38 | 207 | 315 | .42 | 255 | 315 | .51 | 902 | 315 | .91 |
| 1234 | 300 | .18 | 1926 | 300 | .38 | 208 | 315 | .39 | 256 | 315 | .54 | 903 | 315 | .33 |
| 1235 | 300 | .18 | 1927 | 300 | .47 | 209 | 315 | .42 | 257 | 315 | .55 | 904 | 315 | .63 |
| 1236 | 300 | .19 | 1928 | 300 | .44 | 210 | 315 | .38 | 258 | 315 | .55 | 905 | 315 | .44 |
| 1239 | 300 | .07 | 1930 | 300 | .46 | 211 | 315 | .38 | 259 | 315 | .55 | 906 | 315 | .88 |
| 1240 | 300 | .20 | 1932 | 300 | .40 | 212 | 315 | .38 | 260 | 315 | .58 | 907 | 315 | .36 |
| 1241 | 300 | .06 | 1933 | 300 | .41 | 213 | 315 | .37 | 261 | 315 | .58 | 908 | 315 | .77 |
| 1242 | 300 | .07 | 1934 | 300 | .39 | 214 | 315 | .38 | 262 | 315 | .55 | 909 | 315 | .22 |
| 1243 | 300 | .15 | 1935 | 300 | .39 | 215 | 315 | .38 | 263 | 315 | .55 | 910 | 315 | .72 |
| 1244 | 300 | .15 | 1936 | 300 | .37 | 216 | 315 | .38 | 264 | 315 | .62 | 911 | 315 | .02 |
| 1245 | 300 | .14 | 1937 | 300 | .35 | 217 | 315 | .38 | 265 | 315 | .69 | 912 | 315 | .92 |
| 1248 | 300 | .13 | 1939 | 300 | .33 | 218 | 315 | .39 | 266 | 315 | .74 | 913 | 315 | .44 |
| 1249 | 300 | .20 | 1941 | 300 | .40 | 219 | 315 | .40 | 267 | 315 | .81 | 914 | 315 | .99 |
| 1250 | 300 | .04 | 1942 | 300 | .41 | 220 | 315 | .37 | 268 | 315 | .83 | 915 | 315 | .47 |
| 1251 | 300 | .07 | 1943 | 300 | .39 | 221 | 315 | .38 | 269 | 315 | .85 | 916 | 315 | .60 |
| 1252 | 300 | .15 | 1944 | 300 | .36 | 222 | 315 | .38 | 270 | 315 | .83 | 917 | 315 | .50 |
| 1253 | 300 | .18 | 1945 | 300 | .32 | 223 | 315 | .37 | 271 | 315 | .79 | 918 | 315 | .54 |
| 1254 | 300 | .19 | 1946 | 300 | .31 | 224 | 315 | .38 | 272 | 315 | .83 | 919 | 315 | .44 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP | SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION A

| TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM |
|------|----------|--------|------|----------|--------|------|----------|--------|-----|----------|--------|-----|----------|--------|
| 920 | 315 | -1.12 | 1235 | 315 | .19 | 1927 | 315 | .35 | 209 | 330 | .36 | 257 | 330 | .48 |
| 921 | 330 | .75 | 1236 | 330 | .21 | 1928 | 315 | .35 | 210 | 330 | .34 | 258 | 330 | .48 |
| 922 | 330 | .37 | 1239 | 330 | .25 | 1930 | 315 | .35 | 211 | 330 | .35 | 259 | 330 | .51 |
| 923 | 330 | .56 | 1240 | 330 | .30 | 1932 | 315 | .35 | 212 | 330 | .35 | 260 | 330 | .51 |
| 924 | 330 | .42 | 1241 | 330 | .10 | 1933 | 315 | .35 | 213 | 330 | .34 | 261 | 330 | .52 |
| 925 | 330 | .46 | 1242 | 330 | .06 | 1934 | 315 | .35 | 214 | 330 | .32 | 262 | 330 | .52 |
| 926 | 330 | .37 | 1243 | 330 | .17 | 1935 | 315 | .35 | 215 | 330 | .34 | 263 | 330 | .52 |
| 927 | 330 | .29 | 1244 | 330 | .17 | 1936 | 315 | .35 | 216 | 330 | .35 | 264 | 330 | .53 |
| 928 | 330 | .28 | 1245 | 330 | .16 | 1937 | 315 | .35 | 217 | 330 | .35 | 265 | 330 | .53 |
| 929 | 330 | .76 | 1248 | 330 | .28 | 1939 | 315 | .35 | 218 | 330 | .35 | 266 | 330 | .53 |
| 930 | 330 | .96 | 1249 | 330 | .27 | 1941 | 315 | .35 | 219 | 330 | .35 | 267 | 330 | .54 |
| 931 | 330 | .32 | 1250 | 330 | .07 | 1942 | 315 | .35 | 220 | 330 | .34 | 268 | 330 | .54 |
| 932 | 330 | .11 | 1251 | 330 | .06 | 1943 | 315 | .35 | 221 | 330 | .33 | 269 | 330 | .54 |
| 933 | 330 | .00 | 1252 | 330 | .18 | 1944 | 315 | .35 | 222 | 330 | .33 | 270 | 330 | .54 |
| 934 | 330 | .18 | 1253 | 330 | .19 | 1945 | 315 | .35 | 223 | 330 | .33 | 271 | 330 | .54 |
| 935 | 330 | .23 | 1254 | 330 | .22 | 1946 | 315 | .35 | 224 | 330 | .33 | 272 | 330 | .54 |
| 936 | 330 | .18 | 1255 | 330 | .30 | 101 | 330 | .42 | 225 | 330 | .34 | 273 | 330 | .54 |
| 937 | 330 | .08 | 1256 | 330 | .24 | 102 | 330 | .26 | 226 | 330 | .33 | 301 | 330 | .56 |
| 938 | 330 | .66 | 1257 | 330 | .06 | 103 | 330 | .12 | 227 | 330 | .35 | 302 | 330 | .56 |
| 939 | 330 | .72 | 1258 | 330 | .08 | 104 | 330 | .13 | 228 | 330 | .35 | 303 | 330 | .56 |
| 940 | 330 | .82 | 1261 | 330 | .18 | 105 | 330 | .15 | 229 | 330 | .35 | 304 | 330 | .56 |
| 941 | 330 | .54 | 1262 | 330 | .20 | 106 | 330 | .41 | 230 | 330 | .35 | 305 | 330 | .56 |
| 942 | 330 | .27 | 1263 | 330 | .21 | 107 | 330 | .43 | 231 | 330 | .36 | 306 | 330 | .56 |
| 943 | 330 | .22 | 1264 | 330 | .48 | 108 | 330 | .04 | 232 | 330 | .37 | 307 | 330 | .56 |
| 944 | 330 | .17 | 1265 | 330 | .26 | 109 | 330 | .02 | 233 | 330 | .38 | 308 | 330 | .56 |
| 945 | 330 | .09 | 1266 | 330 | .09 | 110 | 330 | .02 | 234 | 330 | .38 | 309 | 330 | .56 |
| 946 | 330 | .02 | 1269 | 330 | .13 | 111 | 330 | .28 | 235 | 330 | .37 | 310 | 330 | .56 |
| 1107 | 330 | .33 | 1270 | 330 | .20 | 112 | 330 | .15 | 236 | 330 | .36 | 311 | 330 | .56 |
| 1108 | 330 | .66 | 1271 | 330 | .10 | 113 | 330 | .14 | 237 | 330 | .36 | 312 | 330 | .56 |
| 1109 | 330 | .35 | 1272 | 330 | .48 | 114 | 330 | .14 | 238 | 330 | .39 | 313 | 330 | .56 |
| 1110 | 330 | .35 | 1303 | 330 | .34 | 115 | 330 | .74 | 239 | 330 | .40 | 314 | 330 | .56 |
| 1111 | 330 | .36 | 1305 | 330 | .40 | 116 | 330 | .41 | 240 | 330 | .40 | 401 | 330 | .56 |
| 1116 | 330 | .42 | 1307 | 330 | .43 | 120 | 330 | .68 | 241 | 330 | .40 | 402 | 330 | .56 |
| 1121 | 330 | .45 | 1309 | 330 | .55 | 121 | 330 | .52 | 242 | 330 | .41 | 403 | 330 | .56 |
| 1126 | 330 | .52 | 1311 | 330 | .57 | 125 | 330 | .70 | 243 | 330 | .40 | 404 | 330 | .56 |
| 1136 | 330 | .84 | 1313 | 330 | .92 | 126 | 330 | .59 | 244 | 330 | .42 | 405 | 330 | .56 |
| 1221 | 330 | .24 | 1313 | 330 | .25 | 130 | 330 | .16 | 245 | 330 | .44 | 501 | 330 | .56 |
| 1222 | 330 | .19 | 1913 | 330 | .33 | 131 | 330 | .89 | 246 | 330 | .47 | 502 | 330 | .56 |
| 1223 | 330 | .07 | 1914 | 330 | .33 | 133 | 330 | .06 | 247 | 330 | .43 | 503 | 330 | .56 |
| 1224 | 330 | .16 | 1915 | 330 | .36 | 136 | 330 | .83 | 248 | 330 | .43 | 504 | 330 | .56 |
| 1225 | 330 | .21 | 1916 | 330 | .34 | 201 | 330 | .22 | 249 | 330 | .44 | 505 | 330 | .56 |
| 1226 | 330 | .24 | 1917 | 330 | .33 | 202 | 330 | .44 | 250 | 330 | .48 | 506 | 330 | .56 |
| 1227 | 330 | .21 | 1918 | 330 | .35 | 203 | 330 | .66 | 251 | 330 | .47 | 507 | 330 | .56 |
| 1230 | 330 | .04 | 1921 | 330 | .33 | 204 | 330 | .36 | 252 | 330 | .46 | 508 | 330 | .56 |
| 1231 | 330 | .24 | 1923 | 330 | .36 | 205 | 330 | .36 | 253 | 330 | .47 | 509 | 330 | .56 |
| 1232 | 330 | .05 | 1924 | 330 | .38 | 206 | 330 | .36 | 254 | 330 | .46 | 901 | 330 | .56 |
| 1233 | 330 | .14 | 1925 | 330 | .38 | 207 | 330 | .47 | 255 | 330 | .66 | 902 | 330 | .91 |
| 1234 | 330 | .19 | 1926 | 330 | .36 | 208 | 330 | .45 | 256 | 330 | .49 | 903 | 330 | .88 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION A

| TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM |
|------|----------|--------|------|----------|--------|------|----------|--------|-----|----------|--------|-----|----------|--------|
| 904 | 330 | .68 | 1116 | 330 | .36 | 1307 | 330 | .40 | 120 | 345 | .51 | 241 | 345 | .29 |
| 905 | 330 | .60 | 1121 | 330 | .43 | 1309 | 330 | .50 | 121 | 345 | .53 | 242 | 345 | .32 |
| 906 | 330 | .50 | 1126 | 330 | .49 | 1311 | 330 | .48 | 125 | 345 | .57 | 243 | 345 | .30 |
| 907 | 330 | .45 | 1136 | 330 | .80 | 1313 | 330 | .81 | 126 | 345 | .62 | 244 | 345 | .30 |
| 908 | 330 | .42 | 1221 | 330 | .21 | 1911 | 330 | .24 | 130 | 345 | .99 | 245 | 345 | .31 |
| 909 | 330 | .27 | 1222 | 330 | .17 | 1913 | 330 | .11 | 131 | 345 | .00 | 246 | 345 | .34 |
| 910 | 330 | .30 | 1223 | 330 | .16 | 1914 | 330 | .00 | 135 | 345 | .98 | 247 | 345 | .34 |
| 911 | 330 | .04 | 1224 | 330 | .25 | 1915 | 330 | .00 | 136 | 345 | .97 | 248 | 345 | .66 |
| 912 | 330 | .93 | 1225 | 330 | .29 | 1916 | 330 | .25 | 201 | 345 | .24 | 249 | 345 | .66 |
| 913 | 330 | .72 | 1226 | 330 | .28 | 1917 | 330 | .00 | 202 | 345 | .25 | 250 | 345 | .66 |
| 914 | 330 | .68 | 1227 | 330 | .27 | 1918 | 330 | .00 | 203 | 345 | .27 | 251 | 345 | .66 |
| 915 | 330 | .63 | 1230 | 330 | .09 | 1921 | 330 | .44 | 204 | 345 | .38 | 252 | 345 | .66 |
| 916 | 330 | .51 | 1231 | 330 | .19 | 1923 | 330 | .33 | 205 | 345 | .33 | 253 | 345 | .66 |
| 917 | 330 | .48 | 1232 | 330 | .06 | 1924 | 330 | .33 | 206 | 345 | .33 | 254 | 345 | .66 |
| 918 | 330 | .51 | 1233 | 330 | .29 | 1925 | 330 | .33 | 207 | 345 | .40 | 255 | 345 | .66 |
| 919 | 330 | .34 | 1234 | 330 | .31 | 1926 | 330 | .33 | 208 | 345 | .32 | 256 | 345 | .66 |
| 920 | 330 | .84 | 1235 | 330 | .29 | 1927 | 330 | .44 | 209 | 345 | .32 | 257 | 345 | .77 |
| 921 | 330 | .29 | 1236 | 330 | .28 | 1928 | 330 | .33 | 210 | 345 | .24 | 258 | 345 | .41 |
| 922 | 330 | .42 | 1239 | 330 | .24 | 1930 | 330 | .33 | 211 | 345 | .23 | 259 | 345 | .41 |
| 923 | 330 | .68 | 1240 | 330 | .17 | 1932 | 330 | .66 | 212 | 345 | .25 | 260 | 345 | .41 |
| 924 | 330 | .63 | 1241 | 330 | .06 | 1933 | 330 | .77 | 213 | 345 | .25 | 261 | 345 | .41 |
| 925 | 330 | .82 | 1242 | 330 | .23 | 1934 | 330 | .34 | 214 | 345 | .25 | 262 | 345 | .44 |
| 926 | 330 | .51 | 1243 | 330 | .28 | 1935 | 330 | .33 | 215 | 345 | .25 | 263 | 345 | .44 |
| 927 | 330 | .49 | 1244 | 330 | .28 | 1936 | 330 | .44 | 216 | 345 | .26 | 264 | 345 | .44 |
| 928 | 330 | .47 | 1245 | 330 | .23 | 1937 | 330 | .33 | 217 | 345 | .25 | 265 | 345 | .44 |
| 929 | 330 | .70 | 1248 | 330 | .19 | 1939 | 330 | .33 | 218 | 345 | .30 | 266 | 345 | .44 |
| 930 | 330 | .65 | 1249 | 330 | .06 | 1941 | 330 | .33 | 219 | 345 | .31 | 267 | 345 | .44 |
| 931 | 330 | .28 | 1250 | 330 | .14 | 1942 | 330 | .36 | 220 | 345 | .23 | 268 | 345 | .44 |
| 932 | 330 | .41 | 1251 | 330 | .26 | 1943 | 330 | .66 | 221 | 345 | .26 | 269 | 345 | .44 |
| 933 | 330 | .36 | 1252 | 330 | .30 | 1944 | 330 | .44 | 222 | 345 | .28 | 270 | 345 | .44 |
| 934 | 330 | .42 | 1253 | 330 | .30 | 1945 | 330 | .34 | 223 | 345 | .28 | 271 | 345 | .44 |
| 935 | 330 | .42 | 1254 | 330 | .32 | 1946 | 330 | .34 | 224 | 345 | .28 | 272 | 345 | .44 |
| 936 | 330 | .38 | 1257 | 330 | .16 | 101 | 345 | .66 | 225 | 345 | .28 | 273 | 345 | .44 |
| 937 | 330 | .29 | 1258 | 330 | .03 | 102 | 345 | .65 | 226 | 345 | .29 | 301 | 345 | .36 |
| 938 | 330 | .62 | 1259 | 330 | .16 | 103 | 345 | .99 | 227 | 345 | .34 | 302 | 345 | .36 |
| 939 | 330 | .76 | 1260 | 330 | .28 | 104 | 345 | .19 | 228 | 345 | .33 | 303 | 345 | .36 |
| 940 | 330 | .32 | 1261 | 330 | .35 | 105 | 345 | .18 | 229 | 345 | .30 | 304 | 345 | .36 |
| 941 | 330 | .40 | 1262 | 330 | .35 | 106 | 345 | .56 | 230 | 345 | .29 | 305 | 345 | .36 |
| 942 | 330 | .26 | 1263 | 330 | .31 | 107 | 345 | .97 | 231 | 345 | .31 | 306 | 345 | .36 |
| 943 | 330 | .22 | 1266 | 330 | .35 | 108 | 345 | .47 | 232 | 345 | .29 | 307 | 345 | .41 |
| 944 | 330 | .29 | 1267 | 330 | .04 | 109 | 345 | .29 | 233 | 345 | .29 | 308 | 345 | .40 |
| 945 | 330 | .28 | 1268 | 330 | .21 | 110 | 345 | .18 | 234 | 345 | .31 | 309 | 345 | .48 |
| 946 | 330 | .22 | 1269 | 330 | .40 | 111 | 345 | .56 | 235 | 345 | .30 | 310 | 345 | .44 |
| 1107 | 330 | .31 | 1270 | 330 | .45 | 112 | 345 | .52 | 236 | 345 | .32 | 311 | 345 | .55 |
| 1108 | 330 | .32 | 1271 | 330 | .11 | 113 | 345 | .40 | 237 | 345 | .37 | 312 | 345 | .54 |
| 1109 | 330 | .33 | 1272 | 330 | .65 | 114 | 345 | .34 | 238 | 345 | .30 | 313 | 345 | .55 |
| 1110 | 330 | .36 | 1303 | 330 | .34 | 115 | 345 | .49 | 239 | 345 | .29 | 314 | 345 | .78 |
| 1111 | 330 | .33 | 1305 | 330 | .35 | 116 | 345 | .48 | 240 | 345 | .30 | 301 | 345 | .81 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION A

| TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM |
|-----|----------|--------|-----|----------|--------|------|----------|--------|------|----------|--------|------|----------|--------|
| 400 | 345 | .67 | 917 | 345 | .56 | 946 | 345 | .36 | 1244 | 345 | .40 | 1911 | 345 | .32 |
| 400 | 345 | .66 | 918 | 345 | .55 | 1107 | 345 | .38 | 1245 | 345 | .42 | 1913 | 345 | .38 |
| 404 | 345 | .47 | 919 | 345 | .43 | 1108 | 345 | .37 | 1249 | 345 | .45 | 1914 | 345 | .36 |
| 405 | 345 | .47 | 920 | 345 | .43 | 1109 | 345 | .38 | 1250 | 345 | .45 | 1915 | 345 | .40 |
| 501 | 345 | .37 | 921 | 345 | .50 | 1110 | 345 | .38 | 1251 | 345 | .50 | 1916 | 345 | .36 |
| 502 | 345 | .41 | 922 | 345 | .66 | 1111 | 345 | .39 | 1252 | 345 | .51 | 1917 | 345 | .36 |
| 503 | 345 | .45 | 923 | 345 | .68 | 1116 | 345 | .42 | 1253 | 345 | .54 | 1918 | 345 | .37 |
| 504 | 345 | .92 | 924 | 345 | .67 | 1121 | 345 | .45 | 1254 | 345 | .52 | 1921 | 345 | .39 |
| 505 | 345 | .33 | 925 | 345 | .67 | 1126 | 345 | .54 | 1255 | 345 | .52 | 1922 | 345 | .38 |
| 506 | 345 | .43 | 926 | 345 | .64 | 1136 | 345 | .87 | 1256 | 345 | .50 | 1924 | 345 | .38 |
| 507 | 345 | .50 | 927 | 345 | .59 | 1221 | 345 | .37 | 1258 | 345 | .51 | 1925 | 345 | .39 |
| 508 | 345 | .54 | 928 | 345 | .54 | 1222 | 345 | .40 | 1259 | 345 | .59 | 1926 | 345 | .40 |
| 509 | 345 | .58 | 929 | 345 | .44 | 1223 | 345 | .40 | 1260 | 345 | .57 | 1927 | 345 | .36 |
| 901 | 345 | .94 | 930 | 345 | .33 | 1224 | 345 | .38 | 1261 | 345 | .58 | 1928 | 345 | .36 |
| 902 | 345 | .79 | 931 | 345 | .42 | 1225 | 345 | .38 | 1262 | 345 | .57 | 1930 | 345 | .38 |
| 903 | 345 | .82 | 932 | 345 | .63 | 1226 | 345 | .40 | 1263 | 345 | .57 | 1932 | 345 | .38 |
| 904 | 345 | .68 | 933 | 345 | .58 | 1227 | 345 | .40 | 1266 | 345 | .67 | 1933 | 345 | .39 |
| 905 | 345 | .61 | 934 | 345 | .58 | 1230 | 345 | .49 | 1268 | 345 | .77 | 1934 | 345 | .38 |
| 906 | 345 | .57 | 935 | 345 | .57 | 1231 | 345 | .28 | 1269 | 345 | .80 | 1935 | 345 | .39 |
| 907 | 345 | .53 | 936 | 345 | .52 | 1232 | 345 | .35 | 1268 | 345 | .87 | 1936 | 345 | .38 |
| 908 | 345 | .51 | 937 | 345 | .48 | 1233 | 345 | .39 | 1270 | 345 | .82 | 1937 | 345 | .40 |
| 909 | 345 | .33 | 938 | 345 | .44 | 1234 | 345 | .39 | 1271 | 345 | .73 | 1939 | 345 | .39 |
| 910 | 345 | .32 | 939 | 345 | .33 | 1235 | 345 | .38 | 1272 | 345 | .81 | 1941 | 345 | .39 |
| 911 | 345 | .88 | 940 | 345 | .34 | 1236 | 345 | .38 | 1303 | 345 | .37 | 1942 | 345 | .39 |
| 912 | 345 | .83 | 941 | 345 | .47 | 1239 | 345 | .38 | 1305 | 345 | .38 | 1943 | 345 | .38 |
| 913 | 345 | .70 | 942 | 345 | .42 | 1240 | 345 | .34 | 1307 | 345 | .41 | 1944 | 345 | .39 |
| 914 | 345 | .71 | 943 | 345 | .39 | 1241 | 345 | .38 | 1309 | 345 | .48 | 1945 | 345 | .39 |
| 915 | 345 | .64 | 944 | 345 | .43 | 1242 | 345 | .41 | 1311 | 345 | .50 | 1946 | 345 | .39 |
| 916 | 345 | .47 | 945 | 345 | .42 | 1243 | 345 | .42 | 1313 | 345 | .79 | | | |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDBERG CONFIGURATION 8

| TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM |
|-----|----------|--------|-----|----------|--------|-----|----------|--------|------|----------|--------|------|----------|--------|
| 101 | 240 | .15 | 223 | 240 | .05 | 273 | 240 | .01 | 920 | 240 | -.33 | 1235 | 240 | -.41 |
| 102 | 240 | -.02 | 226 | 240 | .00 | 301 | 240 | -.38 | 921 | 240 | -.55 | 1236 | 240 | -.40 |
| 103 | 240 | -.03 | 227 | 240 | .12 | 302 | 240 | -.41 | 922 | 240 | -.61 | 1239 | 240 | -.47 |
| 104 | 240 | -.06 | 228 | 240 | .22 | 303 | 240 | -.41 | 923 | 240 | -.38 | 1240 | 240 | -.48 |
| 105 | 240 | -.02 | 229 | 240 | .31 | 304 | 240 | -.38 | 924 | 240 | -.61 | 1241 | 240 | -.46 |
| 106 | 240 | -.17 | 230 | 240 | .33 | 305 | 240 | -.42 | 925 | 240 | -.13 | 1242 | 240 | -.47 |
| 107 | 240 | -.04 | 231 | 240 | .26 | 306 | 240 | -.40 | 926 | 240 | -.03 | 1243 | 240 | -.47 |
| 108 | 240 | -.25 | 232 | 240 | .20 | 307 | 240 | -.44 | 927 | 240 | -.03 | 1244 | 240 | -.45 |
| 109 | 240 | -.28 | 233 | 240 | .13 | 308 | 240 | -.43 | 928 | 240 | -.13 | 1245 | 240 | -.47 |
| 110 | 240 | -.33 | 234 | 240 | .07 | 309 | 240 | -.45 | 929 | 240 | -.57 | 1248 | 240 | -.53 |
| 111 | 240 | -.27 | 235 | 240 | .00 | 310 | 240 | -.44 | 930 | 240 | -.70 | 1249 | 240 | -.55 |
| 112 | 240 | -.06 | 236 | 240 | .14 | 311 | 240 | -.51 | 931 | 240 | -.73 | 1250 | 240 | -.55 |
| 114 | 240 | -.01 | 237 | 240 | .28 | 312 | 240 | -.49 | 932 | 240 | -.52 | 1251 | 240 | -.55 |
| 114 | 240 | -.04 | 238 | 240 | .40 | 313 | 240 | -.66 | 933 | 240 | -.51 | 1252 | 240 | -.56 |
| 114 | 240 | -.13 | 239 | 240 | .38 | 401 | 240 | -.66 | 934 | 240 | -.02 | 1253 | 240 | -.53 |
| 116 | 240 | -.39 | 240 | 240 | .30 | 402 | 240 | -.64 | 935 | 240 | -.04 | 1254 | 240 | -.53 |
| 120 | 240 | -.33 | 241 | 240 | .23 | 403 | 240 | -.68 | 936 | 240 | -.08 | 1255 | 240 | -.53 |
| 121 | 240 | -.34 | 242 | 240 | .16 | 404 | 240 | -.67 | 937 | 240 | -.17 | 1258 | 240 | -.62 |
| 123 | 240 | -.21 | 243 | 240 | .09 | 405 | 240 | -.57 | 938 | 240 | -.75 | 1259 | 240 | -.65 |
| 125 | 240 | -.22 | 244 | 240 | .03 | 501 | 240 | -.14 | 939 | 240 | -.80 | 1260 | 240 | -.62 |
| 126 | 240 | -.20 | 245 | 240 | .04 | 502 | 240 | -.14 | 940 | 240 | -.81 | 1261 | 240 | -.67 |
| 130 | 240 | -.44 | 246 | 240 | .02 | 503 | 240 | -.14 | 941 | 240 | -.78 | 1262 | 240 | -.60 |
| 131 | 240 | -.50 | 247 | 240 | .44 | 504 | 240 | -.05 | 942 | 240 | -.35 | 1263 | 240 | -.55 |
| 135 | 240 | -.75 | 248 | 240 | .40 | 505 | 240 | -.09 | 943 | 240 | -.15 | 1266 | 240 | -.89 |
| 201 | 240 | -.77 | 249 | 240 | .34 | 506 | 240 | -.21 | 944 | 240 | -.06 | 1267 | 240 | -.88 |
| 202 | 240 | -.09 | 250 | 240 | .23 | 507 | 240 | -.00 | 945 | 240 | -.07 | 1268 | 240 | -.89 |
| 203 | 240 | -.28 | 251 | 240 | .17 | 508 | 240 | -.11 | 946 | 240 | -.22 | 1269 | 240 | -.89 |
| 204 | 240 | -.32 | 252 | 240 | .12 | 901 | 240 | -.03 | 1107 | 240 | -.31 | 1270 | 240 | -.87 |
| 205 | 240 | -.19 | 253 | 240 | .06 | 902 | 240 | -.10 | 1108 | 240 | -.38 | 1271 | 240 | -.90 |
| 206 | 240 | -.14 | 254 | 240 | .02 | 903 | 240 | -.47 | 1109 | 240 | -.38 | 1272 | 240 | -.75 |
| 207 | 240 | -.33 | 255 | 240 | .07 | 904 | 240 | -.50 | 1110 | 240 | -.58 | 1303 | 240 | -.20 |
| 208 | 240 | -.22 | 256 | 240 | .48 | 905 | 240 | -.41 | 1111 | 240 | -.40 | 1305 | 240 | -.20 |
| 209 | 240 | -.19 | 257 | 240 | .43 | 906 | 240 | -.38 | 1116 | 240 | -.17 | 1307 | 240 | -.09 |
| 210 | 240 | -.05 | 258 | 240 | .35 | 907 | 240 | -.33 | 1121 | 240 | -.14 | 1309 | 240 | -.17 |
| 211 | 240 | -.11 | 259 | 240 | .28 | 908 | 240 | -.35 | 1126 | 240 | -.19 | 1311 | 240 | -.16 |
| 212 | 240 | -.03 | 260 | 240 | .20 | 909 | 240 | -.44 | 1136 | 240 | -.27 | 1313 | 240 | -.09 |
| 213 | 240 | -.07 | 261 | 240 | .13 | 910 | 240 | -.45 | 1221 | 240 | -.25 | 1911 | 240 | -.25 |
| 214 | 240 | -.04 | 262 | 240 | .08 | 911 | 240 | -.47 | 1222 | 240 | -.38 | 1913 | 240 | -.36 |
| 215 | 240 | -.08 | 263 | 240 | .01 | 912 | 240 | -.47 | 1223 | 240 | -.37 | 1914 | 240 | -.12 |
| 216 | 240 | -.03 | 264 | 240 | .07 | 913 | 240 | -.47 | 1224 | 240 | -.37 | 1915 | 240 | -.15 |
| 217 | 240 | -.03 | 265 | 240 | .53 | 914 | 240 | -.51 | 1225 | 240 | -.36 | 1916 | 240 | -.14 |
| 218 | 240 | -.14 | 266 | 240 | .59 | 915 | 240 | -.53 | 1226 | 240 | -.33 | 1917 | 240 | -.21 |
| 219 | 240 | -.21 | 267 | 240 | .54 | 916 | 240 | -.53 | 1227 | 240 | -.35 | 1918 | 240 | -.24 |
| 220 | 240 | -.11 | 268 | 240 | .40 | 917 | 240 | -.53 | 1230 | 240 | -.40 | 1921 | 240 | -.35 |
| 221 | 240 | -.23 | 269 | 240 | .29 | 918 | 240 | -.53 | 1231 | 240 | -.42 | 1923 | 240 | -.39 |
| 222 | 240 | -.17 | 270 | 240 | .21 | 919 | 240 | -.42 | 1232 | 240 | -.42 | 1924 | 240 | -.31 |
| 223 | 240 | -.12 | 271 | 240 | .11 | 920 | 240 | -.49 | 1233 | 240 | -.40 | 1925 | 240 | -.19 |
| 224 | 240 | -.09 | 272 | 240 | .02 | 921 | 240 | -.44 | 1234 | 240 | -.40 | 1926 | 240 | -.18 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION B

| TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM |
|------|----------|--------|-----|----------|--------|-----|----------|--------|------|----------|--------|------|----------|--------|
| 1927 | 240 | .24 | 209 | 255 | .13 | 257 | 255 | .18 | 904 | 255 | .41 | 1116 | 255 | .20 |
| 1928 | 240 | .31 | 210 | 255 | .35 | 258 | 255 | .16 | 905 | 255 | .39 | 1121 | 255 | .03 |
| 1930 | 240 | .37 | 211 | 255 | .33 | 259 | 255 | .12 | 906 | 255 | .34 | 1126 | 255 | .10 |
| 1932 | 240 | .40 | 212 | 255 | .28 | 260 | 255 | .07 | 907 | 255 | .33 | 1136 | 255 | .15 |
| 1933 | 240 | .47 | 213 | 255 | .11 | 261 | 255 | .03 | 908 | 255 | .31 | 1221 | 255 | .29 |
| 1934 | 240 | .35 | 214 | 255 | .02 | 262 | 255 | .02 | 909 | 255 | .31 | 1222 | 255 | .31 |
| 1935 | 240 | .29 | 215 | 255 | .04 | 263 | 255 | .01 | 910 | 255 | .38 | 1223 | 255 | .31 |
| 1936 | 240 | .29 | 216 | 255 | .02 | 264 | 255 | .09 | 911 | 255 | .40 | 1224 | 255 | .30 |
| 1937 | 240 | .33 | 217 | 255 | .05 | 265 | 255 | .17 | 912 | 255 | .40 | 1225 | 255 | .29 |
| 1939 | 240 | .38 | 218 | 255 | .15 | 266 | 255 | .27 | 913 | 255 | .30 | 1226 | 255 | .27 |
| 1941 | 240 | .39 | 219 | 255 | .16 | 267 | 255 | .24 | 914 | 255 | .41 | 1227 | 255 | .28 |
| 1942 | 240 | .41 | 220 | 255 | .24 | 268 | 255 | .17 | 915 | 255 | .39 | 1230 | 255 | .38 |
| 1943 | 240 | .40 | 221 | 255 | .38 | 269 | 255 | .07 | 916 | 255 | .24 | 1231 | 255 | .35 |
| 1944 | 240 | .40 | 222 | 255 | .07 | 270 | 255 | .06 | 917 | 255 | .13 | 1232 | 255 | .35 |
| 1945 | 240 | .36 | 223 | 255 | .05 | 271 | 255 | .02 | 918 | 255 | .25 | 1233 | 255 | .32 |
| 1946 | 240 | .38 | 224 | 255 | .04 | 272 | 255 | .00 | 919 | 255 | .34 | 1234 | 255 | .32 |
| 101 | 255 | .03 | 225 | 255 | .01 | 273 | 255 | .08 | 920 | 255 | .38 | 1235 | 255 | .31 |
| 102 | 255 | .13 | 226 | 255 | .02 | 301 | 255 | .26 | 921 | 255 | .38 | 1236 | 255 | .32 |
| 103 | 255 | .21 | 227 | 255 | .12 | 302 | 255 | .28 | 922 | 255 | .47 | 1239 | 255 | .41 |
| 104 | 255 | .23 | 228 | 255 | .19 | 303 | 255 | .27 | 923 | 255 | .28 | 1240 | 255 | .40 |
| 105 | 255 | .18 | 229 | 255 | .22 | 304 | 255 | .26 | 924 | 255 | .44 | 1241 | 255 | .41 |
| 106 | 255 | .08 | 230 | 255 | .08 | 305 | 255 | .32 | 925 | 255 | .35 | 1242 | 255 | .38 |
| 107 | 255 | .15 | 231 | 255 | .09 | 306 | 255 | .31 | 926 | 255 | .05 | 1243 | 255 | .36 |
| 108 | 255 | .35 | 232 | 255 | .07 | 307 | 255 | .32 | 927 | 255 | .05 | 1244 | 255 | .37 |
| 109 | 255 | .39 | 233 | 255 | .05 | 308 | 255 | .33 | 928 | 255 | .01 | 1245 | 255 | .34 |
| 110 | 255 | .44 | 234 | 255 | .00 | 309 | 255 | .33 | 929 | 255 | .41 | 1248 | 255 | .45 |
| 111 | 255 | .27 | 235 | 255 | .04 | 310 | 255 | .32 | 930 | 255 | .44 | 1249 | 255 | .48 |
| 112 | 255 | .07 | 236 | 255 | .13 | 311 | 255 | .36 | 931 | 255 | .49 | 1250 | 255 | .45 |
| 113 | 255 | .07 | 237 | 255 | .25 | 312 | 255 | .37 | 932 | 255 | .34 | 1251 | 255 | .44 |
| 114 | 255 | .08 | 238 | 255 | .06 | 313 | 255 | .49 | 933 | 255 | .50 | 1252 | 255 | .45 |
| 115 | 255 | .11 | 239 | 255 | .08 | 314 | 255 | .49 | 934 | 255 | .25 | 1253 | 255 | .36 |
| 116 | 255 | .31 | 240 | 255 | .11 | 401 | 255 | .28 | 935 | 255 | .12 | 1254 | 255 | .34 |
| 120 | 255 | .14 | 241 | 255 | .09 | 402 | 255 | .28 | 936 | 255 | .23 | 1257 | 255 | .51 |
| 121 | 255 | .21 | 242 | 255 | .05 | 403 | 255 | .27 | 937 | 255 | .28 | 1258 | 255 | .52 |
| 125 | 255 | .17 | 243 | 255 | .01 | 404 | 255 | .37 | 938 | 255 | .57 | 1259 | 255 | .54 |
| 126 | 255 | .24 | 244 | 255 | .02 | 405 | 255 | .41 | 939 | 255 | .60 | 1260 | 255 | .53 |
| 130 | 255 | .21 | 245 | 255 | .05 | 501 | 255 | .32 | 940 | 255 | .69 | 1261 | 255 | .46 |
| 131 | 255 | .39 | 246 | 255 | .01 | 502 | 255 | .30 | 941 | 255 | .51 | 1262 | 255 | .37 |
| 135 | 255 | .39 | 247 | 255 | .06 | 503 | 255 | .22 | 942 | 255 | .79 | 1263 | 255 | .30 |
| 136 | 255 | .28 | 248 | 255 | .14 | 504 | 255 | .08 | 943 | 255 | .18 | 1266 | 255 | .75 |
| 201 | 255 | .59 | 249 | 255 | .15 | 505 | 255 | .33 | 944 | 255 | .12 | 1267 | 255 | .71 |
| 202 | 255 | .38 | 250 | 255 | .10 | 506 | 255 | .29 | 945 | 255 | .24 | 1268 | 255 | .74 |
| 203 | 255 | .39 | 251 | 255 | .06 | 507 | 255 | .19 | 946 | 255 | .33 | 1269 | 255 | .74 |
| 204 | 255 | .39 | 252 | 255 | .02 | 508 | 255 | .07 | 1107 | 255 | .32 | 1270 | 255 | .66 |
| 205 | 255 | .23 | 253 | 255 | .01 | 509 | 255 | .01 | 1108 | 255 | .32 | 1271 | 255 | .52 |
| 206 | 255 | .15 | 254 | 255 | .01 | 901 | 255 | .44 | 1109 | 255 | .50 | 1272 | 255 | .38 |
| 207 | 255 | .32 | 255 | 255 | .09 | 902 | 255 | .41 | 1110 | 255 | .31 | 1303 | 255 | .19 |
| 208 | 255 | .20 | 256 | 255 | .05 | 903 | 255 | .29 | 1111 | 255 | .32 | 1305 | 255 | .17 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION B

| TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM |
|------|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|------|----------|--------|
| 1307 | 270 | .08 | 120 | 270 | .24 | 241 | 270 | -.10 | 402 | 270 | -.33 | 936 | 270 | -.11 |
| 1309 | 270 | .11 | 121 | 270 | .37 | 242 | 270 | -.07 | 403 | 270 | -.29 | 937 | 270 | -.10 |
| 1311 | 270 | .06 | 123 | 270 | .11 | 243 | 270 | -.07 | 404 | 270 | -.29 | 938 | 270 | -.36 |
| 1313 | 270 | .02 | 126 | 270 | .23 | 244 | 270 | -.06 | 405 | 270 | -.29 | 939 | 270 | -.40 |
| 1911 | 270 | .21 | 130 | 270 | .04 | 245 | 270 | -.04 | 501 | 270 | .10 | 940 | 270 | -.46 |
| 1913 | 270 | .31 | 131 | 270 | .29 | 246 | 270 | -.01 | 502 | 270 | .08 | 941 | 270 | -.32 |
| 1914 | 270 | .24 | 135 | 270 | .07 | 247 | 270 | -.31 | 503 | 270 | .08 | 942 | 270 | -.39 |
| 1915 | 270 | .22 | 136 | 270 | .28 | 248 | 270 | -.43 | 504 | 270 | .05 | 943 | 270 | -.38 |
| 1916 | 270 | .18 | 201 | 270 | .46 | 249 | 270 | -.12 | 505 | 270 | .10 | 944 | 270 | -.28 |
| 1917 | 270 | .20 | 202 | 270 | .43 | 250 | 270 | -.09 | 506 | 270 | .11 | 945 | 270 | -.13 |
| 1918 | 270 | .21 | 203 | 270 | .37 | 251 | 270 | -.09 | 507 | 270 | .06 | 946 | 270 | -.10 |
| 1921 | 270 | .29 | 204 | 270 | .14 | 252 | 270 | -.07 | 508 | 270 | .00 | 1107 | 270 | -.19 |
| 1923 | 270 | .30 | 205 | 270 | .07 | 253 | 270 | -.06 | 509 | 270 | .00 | 1108 | 270 | -.21 |
| 1924 | 270 | .31 | 206 | 270 | .04 | 254 | 270 | -.02 | 901 | 270 | .43 | 1109 | 270 | -.19 |
| 1925 | 270 | .26 | 207 | 270 | .14 | 255 | 270 | -.04 | 902 | 270 | .43 | 1110 | 270 | -.20 |
| 1926 | 270 | .22 | 208 | 270 | .04 | 256 | 270 | -.48 | 903 | 270 | .35 | 1111 | 270 | -.22 |
| 1927 | 270 | .21 | 209 | 270 | .01 | 257 | 270 | -.37 | 904 | 270 | .42 | 1116 | 270 | -.25 |
| 1928 | 270 | .22 | 210 | 270 | .42 | 258 | 270 | -.11 | 905 | 270 | .36 | 1121 | 270 | -.22 |
| 1930 | 270 | .31 | 211 | 270 | .43 | 259 | 270 | -.10 | 906 | 270 | .22 | 1126 | 270 | -.26 |
| 1932 | 270 | .31 | 212 | 270 | .41 | 260 | 270 | -.09 | 907 | 270 | .13 | 1136 | 270 | -.31 |
| 1933 | 270 | .33 | 213 | 270 | .40 | 261 | 270 | -.09 | 908 | 270 | .16 | 1221 | 270 | -.16 |
| 1934 | 270 | .32 | 214 | 270 | .32 | 262 | 270 | -.07 | 909 | 270 | .17 | 1222 | 270 | -.18 |
| 1935 | 270 | .28 | 215 | 270 | .16 | 263 | 270 | -.03 | 910 | 270 | .40 | 1223 | 270 | -.18 |
| 1936 | 270 | .25 | 216 | 270 | .09 | 264 | 270 | -.02 | 911 | 270 | .41 | 1224 | 270 | -.17 |
| 1937 | 270 | .26 | 217 | 270 | .11 | 265 | 270 | -.39 | 912 | 270 | .46 | 1225 | 270 | -.15 |
| 1939 | 270 | .32 | 218 | 270 | .10 | 266 | 270 | -.34 | 913 | 270 | .38 | 1226 | 270 | -.14 |
| 1941 | 270 | .31 | 219 | 270 | .11 | 267 | 270 | -.11 | 914 | 270 | .43 | 1227 | 270 | -.15 |
| 1942 | 270 | .33 | 220 | 270 | .38 | 268 | 270 | -.11 | 915 | 270 | .32 | 1230 | 270 | -.20 |
| 1943 | 270 | .32 | 221 | 270 | .39 | 269 | 270 | -.12 | 916 | 270 | .22 | 1231 | 270 | -.16 |
| 1944 | 270 | .31 | 222 | 270 | .42 | 270 | 270 | -.11 | 917 | 270 | .11 | 1232 | 270 | -.15 |
| 1945 | 270 | .30 | 223 | 270 | .27 | 271 | 270 | -.09 | 918 | 270 | .16 | 1233 | 270 | -.16 |
| 1946 | 270 | .29 | 224 | 270 | .11 | 272 | 270 | -.07 | 919 | 270 | .18 | 1234 | 270 | -.15 |
| 101 | 270 | .17 | 225 | 270 | .07 | 273 | 270 | -.63 | 920 | 270 | .34 | 1235 | 270 | -.15 |
| 102 | 270 | .34 | 226 | 270 | .07 | 301 | 270 | -.16 | 921 | 270 | .40 | 1236 | 270 | -.15 |
| 103 | 270 | .37 | 227 | 270 | .10 | 302 | 270 | -.16 | 922 | 270 | .44 | 1239 | 270 | -.17 |
| 104 | 270 | .35 | 228 | 270 | .12 | 303 | 270 | -.20 | 923 | 270 | .32 | 1240 | 270 | -.14 |
| 105 | 270 | .33 | 229 | 270 | .52 | 304 | 270 | -.15 | 924 | 270 | .40 | 1241 | 270 | -.14 |
| 106 | 270 | .19 | 230 | 270 | .33 | 305 | 270 | -.22 | 925 | 270 | .34 | 1242 | 270 | -.13 |
| 107 | 270 | .38 | 231 | 270 | .38 | 306 | 270 | -.16 | 926 | 270 | .21 | 1243 | 270 | -.13 |
| 108 | 270 | .53 | 232 | 270 | .19 | 307 | 270 | -.25 | 927 | 270 | .12 | 1244 | 270 | -.13 |
| 109 | 270 | .55 | 233 | 270 | .08 | 308 | 270 | -.18 | 928 | 270 | .01 | 1245 | 270 | -.12 |
| 110 | 270 | .52 | 234 | 270 | .06 | 309 | 270 | -.27 | 929 | 270 | .33 | 1248 | 270 | -.15 |
| 111 | 270 | .47 | 235 | 270 | .08 | 310 | 270 | -.20 | 930 | 270 | .35 | 1249 | 270 | -.12 |
| 112 | 270 | .22 | 236 | 270 | .11 | 311 | 270 | -.30 | 931 | 270 | .43 | 1250 | 270 | -.10 |
| 113 | 270 | .14 | 237 | 270 | .16 | 312 | 270 | -.26 | 932 | 270 | .31 | 1251 | 270 | -.06 |
| 114 | 270 | .12 | 238 | 270 | .62 | 313 | 270 | -.42 | 933 | 270 | .38 | 1252 | 270 | -.08 |
| 115 | 270 | .25 | 239 | 270 | .61 | 314 | 270 | -.33 | 934 | 270 | .36 | 1253 | 270 | -.08 |
| 116 | 270 | .41 | 240 | 270 | .19 | 401 | 270 | -.33 | 935 | 270 | .23 | 1254 | 270 | -.08 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION B

| TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM |
|------|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|------|----------|--------|
| 1257 | 270 | .12 | 101 | 285 | .24 | 225 | 285 | .34 | 273 | 285 | .27 | 920 | 285 | .66 |
| 1258 | 270 | .12 | 102 | 285 | .25 | 226 | 285 | .29 | 301 | 285 | .22 | 921 | 285 | .66 |
| 1259 | 270 | .07 | 103 | 285 | .29 | 227 | 285 | .26 | 302 | 285 | .21 | 922 | 285 | .48 |
| 1260 | 270 | .06 | 104 | 285 | .19 | 228 | 285 | .26 | 303 | 285 | .22 | 923 | 285 | .18 |
| 1261 | 270 | .07 | 105 | 285 | .19 | 229 | 285 | .43 | 304 | 285 | .20 | 924 | 285 | .08 |
| 1262 | 270 | .07 | 106 | 285 | .32 | 230 | 285 | .41 | 305 | 285 | .25 | 925 | 285 | .17 |
| 1263 | 270 | .07 | 107 | 285 | .49 | 231 | 285 | .42 | 306 | 285 | .24 | 926 | 285 | .27 |
| 1266 | 270 | .10 | 108 | 285 | .48 | 232 | 285 | .41 | 307 | 285 | .30 | 927 | 285 | .31 |
| 1267 | 270 | .11 | 109 | 285 | .46 | 233 | 285 | .36 | 308 | 285 | .29 | 928 | 285 | .56 |
| 1268 | 270 | .08 | 110 | 285 | .42 | 234 | 285 | .29 | 309 | 285 | .28 | 929 | 285 | .59 |
| 1269 | 270 | .07 | 111 | 285 | .43 | 235 | 285 | .27 | 310 | 285 | .25 | 930 | 285 | .41 |
| 1270 | 270 | .07 | 112 | 285 | .21 | 236 | 285 | .25 | 311 | 285 | .30 | 931 | 285 | .39 |
| 1271 | 270 | .07 | 113 | 285 | .14 | 237 | 285 | .50 | 312 | 285 | .29 | 932 | 285 | .41 |
| 1272 | 270 | .09 | 114 | 285 | .10 | 238 | 285 | .48 | 313 | 285 | .36 | 933 | 285 | .02 |
| 1303 | 270 | .18 | 115 | 285 | .43 | 239 | 285 | .48 | 314 | 285 | .31 | 934 | 285 | .22 |
| 1305 | 270 | .18 | 116 | 285 | .30 | 240 | 285 | .50 | 401 | 285 | .62 | 935 | 285 | .33 |
| 1307 | 270 | .16 | 120 | 285 | .44 | 241 | 285 | .41 | 402 | 285 | .58 | 936 | 285 | .44 |
| 1309 | 270 | .09 | 121 | 285 | .25 | 242 | 285 | .36 | 403 | 285 | .54 | 937 | 285 | .42 |
| 1311 | 270 | .02 | 123 | 285 | .45 | 243 | 285 | .28 | 404 | 285 | .44 | 938 | 285 | .46 |
| 1313 | 270 | .06 | 126 | 285 | .19 | 244 | 285 | .23 | 405 | 285 | .33 | 939 | 285 | .66 |
| 1911 | 270 | .13 | 130 | 285 | .58 | 245 | 285 | .20 | 501 | 285 | .32 | 940 | 285 | .37 |
| 1913 | 270 | .21 | 131 | 285 | .30 | 246 | 285 | .20 | 502 | 285 | .38 | 941 | 285 | .37 |
| 1914 | 270 | .18 | 133 | 285 | .47 | 247 | 285 | .59 | 503 | 285 | .44 | 942 | 285 | .36 |
| 1915 | 270 | .20 | 136 | 285 | .20 | 248 | 285 | .63 | 504 | 285 | .41 | 943 | 285 | .05 |
| 1916 | 270 | .18 | 201 | 285 | .44 | 249 | 285 | .42 | 505 | 285 | .29 | 944 | 285 | .19 |
| 1917 | 270 | .18 | 202 | 285 | .43 | 250 | 285 | .41 | 506 | 285 | .43 | 945 | 285 | .28 |
| 1918 | 270 | .19 | 203 | 285 | .48 | 251 | 285 | .32 | 507 | 285 | .43 | 946 | 285 | .28 |
| 1921 | 270 | .21 | 204 | 285 | .27 | 252 | 285 | .25 | 508 | 285 | .29 | 1107 | 285 | .27 |
| 1923 | 270 | .20 | 205 | 285 | .31 | 253 | 285 | .21 | 509 | 285 | .19 | 1108 | 285 | .27 |
| 1924 | 270 | .21 | 206 | 285 | .31 | 254 | 285 | .17 | 901 | 285 | .85 | 1109 | 285 | .27 |
| 1925 | 270 | .20 | 207 | 285 | .28 | 255 | 285 | .14 | 902 | 285 | .78 | 1110 | 285 | .38 |
| 1926 | 270 | .19 | 208 | 285 | .28 | 256 | 285 | .62 | 903 | 285 | .66 | 1111 | 285 | .32 |
| 1927 | 270 | .19 | 209 | 285 | .30 | 257 | 285 | .62 | 904 | 285 | .47 | 1116 | 285 | .41 |
| 1928 | 270 | .18 | 210 | 285 | .37 | 258 | 285 | .55 | 905 | 285 | .18 | 1121 | 285 | .34 |
| 1930 | 270 | .19 | 211 | 285 | .42 | 259 | 285 | .42 | 906 | 285 | .05 | 1126 | 285 | .69 |
| 1932 | 270 | .21 | 212 | 285 | .45 | 260 | 285 | .31 | 907 | 285 | .04 | 1136 | 285 | .27 |
| 1933 | 270 | .20 | 213 | 285 | .44 | 261 | 285 | .26 | 908 | 285 | .14 | 1221 | 285 | .27 |
| 1934 | 270 | .21 | 214 | 285 | .41 | 262 | 285 | .23 | 909 | 285 | .20 | 1222 | 285 | .28 |
| 1935 | 270 | .20 | 215 | 285 | .36 | 263 | 285 | .20 | 910 | 285 | .75 | 1223 | 285 | .24 |
| 1936 | 270 | .20 | 216 | 285 | .32 | 264 | 285 | .15 | 911 | 285 | .74 | 1224 | 285 | .19 |
| 1937 | 270 | .19 | 217 | 285 | .27 | 265 | 285 | .72 | 912 | 285 | .60 | 1225 | 285 | .18 |
| 1939 | 270 | .20 | 218 | 285 | .27 | 266 | 285 | .79 | 913 | 285 | .62 | 1226 | 285 | .17 |
| 1941 | 270 | .20 | 219 | 285 | .28 | 267 | 285 | .68 | 914 | 285 | .42 | 1227 | 285 | .18 |
| 1942 | 270 | .21 | 220 | 285 | .38 | 268 | 285 | .54 | 915 | 285 | .16 | 1230 | 285 | .22 |
| 1943 | 270 | .21 | 221 | 285 | .40 | 269 | 285 | .41 | 916 | 285 | .06 | 1231 | 285 | .15 |
| 1944 | 270 | .20 | 222 | 285 | .42 | 270 | 285 | .34 | 917 | 285 | .04 | 1232 | 285 | .05 |
| 1945 | 270 | .20 | 223 | 285 | .43 | 271 | 285 | .30 | 918 | 285 | .21 | 1233 | 285 | .15 |
| 1946 | 270 | .19 | 224 | 285 | .38 | 272 | 285 | .28 | 919 | 285 | .19 | 1234 | 285 | .15 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION B

| TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM |
|-------|----------|--------|------|----------|--------|-----|----------|--------|-----|----------|--------|------|----------|--------|
| 12335 | 285 | .14 | 1927 | 285 | .23 | 209 | 300 | .41 | 257 | 300 | .60 | 904 | 300 | .47 |
| 12336 | 285 | .15 | 1928 | 285 | .24 | 210 | 300 | .38 | 258 | 300 | .64 | 905 | 300 | .30 |
| 12339 | 285 | .03 | 1930 | 285 | .27 | 211 | 300 | .37 | 259 | 300 | .64 | 906 | 300 | .21 |
| 1240 | 285 | .14 | 1932 | 285 | .27 | 212 | 300 | .38 | 260 | 300 | .66 | 907 | 300 | .14 |
| 1241 | 285 | .04 | 1933 | 285 | .27 | 213 | 300 | .38 | 261 | 300 | .62 | 908 | 300 | .11 |
| 1242 | 285 | .03 | 1934 | 285 | .29 | 214 | 300 | .39 | 262 | 300 | .58 | 909 | 300 | .28 |
| 1243 | 285 | .08 | 1935 | 285 | .27 | 215 | 300 | .39 | 263 | 300 | .59 | 910 | 300 | 1.85 |
| 1244 | 285 | .07 | 1936 | 285 | .27 | 216 | 300 | .39 | 264 | 300 | .62 | 911 | 300 | .47 |
| 1245 | 285 | .06 | 1937 | 285 | .24 | 217 | 300 | .43 | 265 | 300 | .83 | 912 | 300 | .63 |
| 1248 | 285 | .09 | 1939 | 285 | .27 | 218 | 300 | .38 | 266 | 300 | .88 | 913 | 300 | .66 |
| 1249 | 285 | .09 | 1941 | 285 | .28 | 219 | 300 | .41 | 267 | 300 | .84 | 914 | 300 | .51 |
| 1250 | 285 | .02 | 1942 | 285 | .29 | 220 | 300 | .38 | 268 | 300 | .93 | 915 | 300 | .33 |
| 1251 | 285 | .03 | 1943 | 285 | .28 | 221 | 300 | .40 | 269 | 300 | .92 | 916 | 300 | .21 |
| 1252 | 285 | .09 | 1944 | 285 | .27 | 222 | 300 | .39 | 270 | 300 | .87 | 917 | 300 | .14 |
| 1253 | 285 | .10 | 1945 | 285 | .24 | 223 | 300 | .37 | 271 | 300 | .79 | 918 | 300 | .20 |
| 1254 | 285 | .10 | 1946 | 285 | .23 | 224 | 300 | .39 | 272 | 300 | .77 | 919 | 300 | .27 |
| 1257 | 285 | .08 | 101 | 300 | .24 | 225 | 300 | .41 | 273 | 300 | .83 | 920 | 300 | .96 |
| 1258 | 285 | .07 | 102 | 300 | .10 | 226 | 300 | .39 | 274 | 300 | .82 | 921 | 300 | .09 |
| 1259 | 285 | .00 | 103 | 300 | .04 | 227 | 300 | .39 | 275 | 300 | .86 | 922 | 300 | .63 |
| 1260 | 285 | .06 | 104 | 300 | .06 | 228 | 300 | .42 | 276 | 300 | .89 | 923 | 300 | .50 |
| 1261 | 285 | .09 | 105 | 300 | .02 | 229 | 300 | .40 | 277 | 300 | .92 | 924 | 300 | .08 |
| 1262 | 285 | .11 | 106 | 300 | .46 | 230 | 300 | .43 | 278 | 300 | .92 | 925 | 300 | .15 |
| 1263 | 285 | .12 | 107 | 300 | .46 | 231 | 300 | .42 | 279 | 300 | .96 | 926 | 300 | .15 |
| 1266 | 285 | .15 | 108 | 300 | .37 | 232 | 300 | .43 | 280 | 300 | .95 | 927 | 300 | .11 |
| 1267 | 285 | .09 | 109 | 300 | .34 | 233 | 300 | .43 | 281 | 300 | .97 | 928 | 300 | .10 |
| 1268 | 285 | .02 | 110 | 300 | .31 | 234 | 300 | .42 | 282 | 300 | .96 | 929 | 300 | .75 |
| 1269 | 285 | .07 | 111 | 300 | .30 | 235 | 300 | .42 | 283 | 300 | .95 | 930 | 300 | .79 |
| 1270 | 285 | .11 | 112 | 300 | .12 | 236 | 300 | .43 | 284 | 300 | .98 | 931 | 300 | .85 |
| 1271 | 285 | .00 | 113 | 300 | .07 | 237 | 300 | .43 | 285 | 300 | .99 | 932 | 300 | .39 |
| 1272 | 285 | .20 | 114 | 300 | .04 | 238 | 300 | .45 | 286 | 300 | .98 | 933 | 300 | .00 |
| 1303 | 285 | .26 | 115 | 300 | .43 | 239 | 300 | .45 | 287 | 300 | .97 | 934 | 300 | .02 |
| 1305 | 285 | .28 | 116 | 300 | .08 | 240 | 300 | .46 | 288 | 300 | .93 | 935 | 300 | .02 |
| 1307 | 285 | .27 | 120 | 300 | .42 | 241 | 300 | .48 | 289 | 300 | .96 | 936 | 300 | .08 |
| 1309 | 285 | .19 | 121 | 300 | .06 | 242 | 300 | .50 | 290 | 300 | .95 | 937 | 300 | .18 |
| 1311 | 285 | .15 | 123 | 300 | .38 | 243 | 300 | .48 | 291 | 300 | .94 | 938 | 300 | .65 |
| 1313 | 285 | .36 | 126 | 300 | .06 | 244 | 300 | .46 | 292 | 300 | .92 | 939 | 300 | .69 |
| 1911 | 285 | .20 | 130 | 300 | .43 | 245 | 300 | .49 | 293 | 300 | .88 | 940 | 300 | .74 |
| 1913 | 285 | .27 | 131 | 300 | .04 | 246 | 300 | .52 | 294 | 300 | .84 | 941 | 300 | .69 |
| 1914 | 285 | .25 | 135 | 300 | .32 | 247 | 300 | .52 | 295 | 300 | .84 | 942 | 300 | .39 |
| 1915 | 285 | .25 | 136 | 300 | .08 | 248 | 300 | .54 | 296 | 300 | .86 | 943 | 300 | .12 |
| 1916 | 285 | .25 | 201 | 300 | .39 | 249 | 300 | .54 | 297 | 300 | .86 | 944 | 300 | .03 |
| 1917 | 285 | .26 | 202 | 300 | .39 | 250 | 300 | .58 | 298 | 300 | .88 | 945 | 300 | .08 |
| 1918 | 285 | .25 | 203 | 300 | .39 | 251 | 300 | .58 | 299 | 300 | .88 | 946 | 300 | .22 |
| 1921 | 285 | .26 | 204 | 300 | .37 | 252 | 300 | .55 | 300 | 300 | .87 | 1107 | 300 | .32 |
| 1923 | 285 | .27 | 205 | 300 | .39 | 253 | 300 | .52 | 301 | 300 | .89 | 1108 | 300 | .35 |
| 1924 | 285 | .28 | 206 | 300 | .40 | 254 | 300 | .52 | 302 | 300 | .85 | 1109 | 300 | .35 |
| 1925 | 285 | .27 | 207 | 300 | .38 | 255 | 300 | .66 | 303 | 300 | .85 | 1110 | 300 | .33 |
| 1926 | 285 | .28 | 208 | 300 | .41 | 256 | 300 | .61 | 304 | 300 | .86 | 1111 | 300 | .35 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP 1 SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION B

| TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM |
|------|----------|--------|------|----------|--------|------|----------|--------|------|----------|--------|------|----------|--------|
| 1116 | 300 | -.40 | 1235 | 300 | -.17 | 1257 | 300 | .20 | 1307 | 300 | -.42 | 1927 | 300 | -.32 |
| 1121 | 300 | -.44 | 1236 | 300 | -.19 | 1258 | 300 | .17 | 1309 | 300 | -.45 | 1928 | 300 | -.31 |
| 1126 | 300 | -.51 | 1239 | 300 | -.14 | 1259 | 300 | .03 | 1311 | 300 | -.46 | 1930 | 300 | -.34 |
| 1136 | 300 | -.83 | 1240 | 300 | .26 | 1260 | 300 | -.08 | 1313 | 300 | -.77 | 1932 | 300 | -.45 |
| 1221 | 300 | -.31 | 1241 | 300 | .08 | 1261 | 300 | -.15 | 1911 | 300 | -.25 | 1933 | 300 | -.46 |
| 1222 | 300 | -.30 | 1242 | 300 | -.05 | 1262 | 300 | -.18 | 1913 | 300 | -.33 | 1934 | 300 | -.45 |
| 1223 | 300 | -.14 | 1243 | 300 | -.14 | 1263 | 300 | -.18 | 1914 | 300 | -.31 | 1935 | 300 | -.45 |
| 1224 | 300 | -.16 | 1244 | 300 | -.14 | 1266 | 300 | .34 | 1915 | 300 | -.34 | 1936 | 300 | -.44 |
| 1225 | 300 | -.20 | 1245 | 300 | -.13 | 1267 | 300 | .19 | 1916 | 300 | -.31 | 1937 | 300 | -.43 |
| 1226 | 300 | -.22 | 1248 | 300 | .18 | 1268 | 300 | .06 | 1917 | 300 | -.33 | 1939 | 300 | -.43 |
| 1227 | 300 | -.21 | 1249 | 300 | .22 | 1269 | 300 | .12 | 1918 | 300 | -.31 | 1941 | 300 | -.43 |
| 1230 | 300 | -.12 | 1250 | 300 | .06 | 1270 | 300 | -.17 | 1921 | 300 | -.32 | 1942 | 300 | -.46 |
| 1231 | 300 | -.19 | 1251 | 300 | -.06 | 1271 | 300 | -.06 | 1923 | 300 | -.34 | 1943 | 300 | -.44 |
| 1232 | 300 | -.02 | 1252 | 300 | -.14 | 1272 | 300 | -.41 | 1924 | 300 | -.36 | 1944 | 300 | -.43 |
| 1233 | 300 | -.14 | 1253 | 300 | -.16 | 1303 | 300 | -.33 | 1925 | 300 | -.35 | 1945 | 300 | -.43 |
| 1234 | 300 | -.17 | 1254 | 300 | -.19 | 1305 | 300 | -.37 | 1926 | 300 | -.34 | 1946 | 300 | -.42 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION C

| TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM |
|-----|----------|--------|-----|----------|--------|-----|----------|--------|------|----------|--------|------|----------|--------|
| 101 | 0 | - | 225 | 0 | -.32 | 273 | 0 | -.65 | 920 | 0 | -.63 | 1235 | 0 | -.54 |
| 102 | 0 | - | 226 | 0 | -.34 | 271 | 0 | -.38 | 921 | 0 | -.64 | 1236 | 0 | -.53 |
| 103 | 0 | - | 227 | 0 | -.35 | 302 | 0 | -.31 | 922 | 0 | -.64 | 1239 | 0 | -.58 |
| 104 | 0 | - | 228 | 0 | -.35 | 303 | 0 | -.41 | 923 | 0 | -.58 | 1240 | 0 | -.58 |
| 105 | 0 | - | 229 | 0 | -.42 | 304 | 0 | -.38 | 924 | 0 | -.69 | 1241 | 0 | -.57 |
| 106 | 0 | - | 230 | 0 | -.36 | 305 | 0 | -.43 | 925 | 0 | -.76 | 1242 | 0 | -.55 |
| 107 | 0 | - | 231 | 0 | -.35 | 306 | 0 | -.42 | 926 | 0 | -.72 | 1243 | 0 | -.57 |
| 108 | 0 | - | 232 | 0 | -.35 | 307 | 0 | -.44 | 927 | 0 | -.53 | 1244 | 0 | -.57 |
| 109 | 0 | - | 233 | 0 | -.35 | 308 | 0 | -.40 | 928 | 0 | -.72 | 1245 | 0 | -.56 |
| 110 | 0 | - | 234 | 0 | -.35 | 309 | 0 | -.44 | 929 | 0 | -.59 | 1248 | 0 | -.67 |
| 111 | 0 | - | 235 | 0 | -.36 | 310 | 0 | -.42 | 930 | 0 | -.59 | 1249 | 0 | -.65 |
| 112 | 0 | - | 236 | 0 | -.37 | 311 | 0 | -.32 | 931 | 0 | -.60 | 1250 | 0 | -.65 |
| 113 | 0 | - | 237 | 0 | -.37 | 312 | 0 | -.50 | 932 | 0 | -.66 | 1251 | 0 | -.66 |
| 114 | 0 | - | 238 | 0 | -.48 | 313 | 0 | -.78 | 933 | 0 | -.63 | 1252 | 0 | -.68 |
| 115 | 0 | - | 239 | 0 | -.42 | 314 | 0 | -.72 | 934 | 0 | -.64 | 1253 | 0 | -.64 |
| 116 | 0 | - | 240 | 0 | -.40 | 401 | 0 | -.59 | 935 | 0 | -.58 | 1254 | 0 | -.68 |
| 117 | 0 | - | 241 | 0 | -.39 | 402 | 0 | -.50 | 936 | 0 | -.63 | 1257 | 0 | -.76 |
| 120 | 0 | - | 242 | 0 | -.35 | 403 | 0 | -.55 | 937 | 0 | -.66 | 1258 | 0 | -.74 |
| 121 | 0 | - | 243 | 0 | -.36 | 404 | 0 | -.55 | 938 | 0 | -.53 | 1259 | 0 | -.75 |
| 122 | 0 | - | 244 | 0 | -.35 | 405 | 0 | -.44 | 939 | 0 | -.52 | 1260 | 0 | -.74 |
| 123 | 0 | - | 245 | 0 | -.37 | 501 | 0 | -.62 | 940 | 0 | -.57 | 1261 | 0 | -.73 |
| 130 | 0 | - | 246 | 0 | -.32 | 502 | 0 | -.64 | 941 | 0 | -.45 | 1262 | 0 | -.73 |
| 131 | 0 | - | 247 | 0 | -.60 | 503 | 0 | -.67 | 942 | 0 | -.54 | 1263 | 0 | -.73 |
| 132 | 0 | - | 248 | 0 | -.49 | 504 | 0 | -.66 | 943 | 0 | -.53 | 1266 | 0 | -.65 |
| 133 | 0 | - | 249 | 0 | -.44 | 505 | 0 | -.58 | 944 | 0 | -.68 | 1267 | 0 | -.66 |
| 201 | 0 | - | 250 | 0 | -.42 | 506 | 0 | -.66 | 945 | 0 | -.68 | 1268 | 0 | -.65 |
| 202 | 0 | - | 251 | 0 | -.40 | 507 | 0 | -.67 | 946 | 0 | -.56 | 1269 | 0 | -.62 |
| 203 | 0 | - | 252 | 0 | -.39 | 508 | 0 | -.74 | 1107 | 0 | -.51 | 1270 | 0 | -.67 |
| 204 | 0 | - | 253 | 0 | -.39 | 509 | 0 | -.78 | 1108 | 0 | -.48 | 1271 | 0 | -.97 |
| 205 | 0 | - | 254 | 0 | -.40 | 901 | 0 | -.73 | 1109 | 0 | -.52 | 1272 | 0 | -.63 |
| 206 | 0 | - | 255 | 0 | -.40 | 902 | 0 | -.69 | 1110 | 0 | -.48 | 1303 | 0 | -.49 |
| 207 | 0 | - | 256 | 0 | -.62 | 903 | 0 | -.76 | 1111 | 0 | -.51 | 1305 | 0 | -.56 |
| 208 | 0 | - | 257 | 0 | -.52 | 904 | 0 | -.65 | 1116 | 0 | -.54 | 1307 | 0 | -.55 |
| 209 | 0 | - | 258 | 0 | -.46 | 905 | 0 | -.70 | 1121 | 0 | -.56 | 1309 | 0 | -.66 |
| 210 | 0 | - | 259 | 0 | -.45 | 906 | 0 | -.93 | 1126 | 0 | -.69 | 1311 | 0 | -.70 |
| 211 | 0 | - | 260 | 0 | -.42 | 907 | 0 | -.39 | 1136 | 0 | -.12 | 1313 | 0 | -.68 |
| 212 | 0 | - | 261 | 0 | -.42 | 908 | 0 | -.78 | 1221 | 0 | -.45 | 1911 | 0 | -.41 |
| 213 | 0 | - | 262 | 0 | -.41 | 909 | 0 | -.15 | 1222 | 0 | -.45 | 1913 | 0 | -.48 |
| 214 | 0 | - | 263 | 0 | -.44 | 910 | 0 | -.72 | 1223 | 0 | -.46 | 1914 | 0 | -.47 |
| 215 | 0 | - | 264 | 0 | -.42 | 911 | 0 | -.69 | 1224 | 0 | -.48 | 1915 | 0 | -.51 |
| 216 | 0 | - | 265 | 0 | -.73 | 912 | 0 | -.74 | 1225 | 0 | -.47 | 1916 | 0 | -.49 |
| 217 | 0 | - | 266 | 0 | -.72 | 913 | 0 | -.65 | 1226 | 0 | -.47 | 1917 | 0 | -.49 |
| 218 | 0 | - | 267 | 0 | -.66 | 914 | 0 | -.68 | 1227 | 0 | -.49 | 1918 | 0 | -.49 |
| 219 | 0 | - | 268 | 0 | -.64 | 915 | 0 | -.76 | 1230 | 0 | -.51 | 1921 | 0 | -.49 |
| 220 | 0 | - | 269 | 0 | -.60 | 916 | 0 | -.61 | 1231 | 0 | -.51 | 1923 | 0 | -.50 |
| 221 | 0 | - | 270 | 0 | -.64 | 917 | 0 | -.53 | 1232 | 0 | -.50 | 1924 | 0 | -.51 |
| 222 | 0 | - | 271 | 0 | -.59 | 918 | 0 | -.82 | 1233 | 0 | -.52 | 1925 | 0 | -.50 |
| 223 | 0 | - | 272 | 0 | -.62 | 919 | 0 | -.69 | 1234 | 0 | -.53 | 1926 | 0 | -.50 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION C

| TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM |
|-------|----------|--------|-----|----------|--------|-----|----------|--------|------|----------|--------|------|----------|--------|
| 19227 | 0 | .50 | 209 | 15 | .46 | 257 | 15 | .45 | 964 | 15 | .55 | 1116 | 15 | .45 |
| 19228 | 0 | .49 | 210 | 15 | .49 | 258 | 15 | .46 | 965 | 15 | .51 | 1121 | 15 | .48 |
| 19330 | 0 | .49 | 211 | 15 | .49 | 259 | 15 | .46 | 966 | 15 | .20 | 1126 | 15 | .59 |
| 19332 | 0 | .50 | 212 | 15 | .49 | 260 | 15 | .43 | 967 | 15 | .35 | 1136 | 15 | .95 |
| 19334 | 0 | .49 | 213 | 15 | .49 | 261 | 15 | .46 | 968 | 15 | .82 | 1221 | 15 | .42 |
| 19335 | 0 | .52 | 214 | 15 | .49 | 262 | 15 | .53 | 969 | 15 | .01 | 1222 | 15 | .42 |
| 19336 | 0 | .49 | 215 | 15 | .49 | 263 | 15 | .51 | 970 | 15 | .60 | 1223 | 15 | .41 |
| 19337 | 0 | .48 | 216 | 15 | .49 | 264 | 15 | .47 | 971 | 15 | .57 | 1224 | 15 | .42 |
| 19339 | 0 | .51 | 217 | 15 | .48 | 265 | 15 | .74 | 972 | 15 | .52 | 1225 | 15 | .42 |
| 19441 | 0 | .49 | 218 | 15 | .49 | 266 | 15 | .62 | 973 | 15 | .50 | 1226 | 15 | .42 |
| 19442 | 0 | .50 | 219 | 15 | .49 | 267 | 15 | .64 | 974 | 15 | .59 | 1227 | 15 | .42 |
| 19443 | 0 | .50 | 220 | 15 | .49 | 268 | 15 | .66 | 975 | 15 | .72 | 1230 | 15 | .44 |
| 19444 | 0 | .50 | 221 | 15 | .49 | 269 | 15 | .70 | 976 | 15 | .98 | 1231 | 15 | .41 |
| 19446 | 0 | .51 | 222 | 15 | .49 | 270 | 15 | .76 | 977 | 15 | .59 | 1232 | 15 | .43 |
| 101 | 15 | .42 | 223 | 15 | .49 | 271 | 15 | .70 | 978 | 15 | .63 | 1233 | 15 | .43 |
| 102 | 15 | .43 | 224 | 15 | .49 | 272 | 15 | .71 | 979 | 15 | .00 | 1234 | 15 | .45 |
| 103 | 15 | .43 | 225 | 15 | .49 | 273 | 15 | .72 | 980 | 15 | .55 | 1235 | 15 | .42 |
| 104 | 15 | .46 | 226 | 15 | .49 | 273 | 15 | .72 | 981 | 15 | .51 | 1236 | 15 | .44 |
| 105 | 15 | .45 | 227 | 15 | .49 | 301 | 15 | .34 | 982 | 15 | .49 | 1239 | 15 | .47 |
| 106 | 15 | .42 | 228 | 15 | .49 | 302 | 15 | .31 | 983 | 15 | .44 | 1240 | 15 | .48 |
| 107 | 15 | .42 | 229 | 15 | .49 | 303 | 15 | .47 | 984 | 15 | .61 | 1241 | 15 | .49 |
| 108 | 15 | .44 | 230 | 15 | .49 | 304 | 15 | .41 | 985 | 15 | .69 | 1242 | 15 | .48 |
| 109 | 15 | .44 | 231 | 15 | .49 | 305 | 15 | .48 | 986 | 15 | .58 | 1243 | 15 | .49 |
| 110 | 15 | .45 | 232 | 15 | .49 | 306 | 15 | .46 | 987 | 15 | .54 | 1244 | 15 | .48 |
| 111 | 15 | .44 | 233 | 15 | .49 | 307 | 15 | .47 | 988 | 15 | .62 | 1245 | 15 | .48 |
| 112 | 15 | .43 | 234 | 15 | .49 | 308 | 15 | .47 | 989 | 15 | .53 | 1248 | 15 | .56 |
| 113 | 15 | .46 | 235 | 15 | .49 | 310 | 15 | .51 | 990 | 15 | .51 | 1249 | 15 | .57 |
| 114 | 15 | .43 | 236 | 15 | .49 | 311 | 15 | .61 | 991 | 15 | .51 | 1250 | 15 | .57 |
| 115 | 15 | .45 | 237 | 15 | .49 | 312 | 15 | .61 | 992 | 15 | .58 | 1251 | 15 | .54 |
| 116 | 15 | .43 | 238 | 15 | .49 | 313 | 15 | .94 | 993 | 15 | .51 | 1252 | 15 | .58 |
| 117 | 15 | .45 | 239 | 15 | .49 | 314 | 15 | .88 | 994 | 15 | .56 | 1253 | 15 | .56 |
| 118 | 15 | .43 | 240 | 15 | .49 | 401 | 15 | .29 | 995 | 15 | .53 | 1254 | 15 | .58 |
| 120 | 15 | .48 | 241 | 15 | .49 | 402 | 15 | .33 | 996 | 15 | .61 | 1257 | 15 | .65 |
| 121 | 15 | .47 | 242 | 15 | .49 | 403 | 15 | .48 | 997 | 15 | .60 | 1258 | 15 | .65 |
| 123 | 15 | .53 | 243 | 15 | .49 | 404 | 15 | .37 | 998 | 15 | .52 | 1259 | 15 | .63 |
| 125 | 15 | .58 | 244 | 15 | .40 | 405 | 15 | .32 | 999 | 15 | .52 | 1260 | 15 | .65 |
| 130 | 15 | .92 | 245 | 15 | .40 | 501 | 15 | .61 | 940 | 15 | .51 | 1261 | 15 | .65 |
| 131 | 15 | .94 | 246 | 15 | .40 | 502 | 15 | .60 | 941 | 15 | .55 | 1262 | 15 | .62 |
| 133 | 15 | .90 | 247 | 15 | .44 | 503 | 15 | .58 | 942 | 15 | .50 | 1263 | 15 | .63 |
| 136 | 15 | .94 | 248 | 15 | .44 | 504 | 15 | .58 | 943 | 15 | .61 | 1266 | 15 | .89 |
| 201 | 15 | .38 | 249 | 15 | .39 | 505 | 15 | .65 | 944 | 15 | .69 | 1267 | 15 | .89 |
| 202 | 15 | .37 | 250 | 15 | .41 | 506 | 15 | .60 | 945 | 15 | .63 | 1268 | 15 | .91 |
| 203 | 15 | .42 | 251 | 15 | .43 | 507 | 15 | .59 | 946 | 15 | .61 | 1269 | 15 | .98 |
| 204 | 15 | .37 | 252 | 15 | .42 | 508 | 15 | .61 | 1107 | 15 | .42 | 1270 | 15 | .91 |
| 205 | 15 | .37 | 253 | 15 | .46 | 509 | 15 | .62 | 1108 | 15 | .42 | 1271 | 15 | .90 |
| 206 | 15 | .38 | 254 | 15 | .41 | 901 | 15 | .62 | 1109 | 15 | .42 | 1272 | 15 | .87 |
| 207 | 15 | .41 | 255 | 15 | .43 | 902 | 15 | .58 | 1110 | 15 | .43 | 1303 | 15 | .43 |
| 208 | 15 | .46 | 256 | 15 | .50 | 903 | 15 | .58 | 1111 | 15 | .43 | 1305 | 15 | .44 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDEBERG CONFIGURATION C

| TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM |
|------|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|-------|----------|--------|
| 1307 | 15 | .48 | 120 | 30 | .43 | 241 | 30 | .49 | 402 | 30 | .22 | 936 | 30 | .67 |
| 1309 | 15 | .37 | 121 | 30 | .44 | 242 | 30 | .47 | 403 | 30 | .41 | 937 | 30 | .63 |
| 1311 | 15 | .39 | 125 | 30 | .30 | 243 | 30 | .50 | 404 | 30 | .24 | 938 | 30 | .49 |
| 1313 | 15 | .34 | 126 | 30 | .53 | 244 | 30 | .49 | 405 | 30 | .21 | 939 | 30 | .47 |
| 1911 | 15 | .36 | 130 | 30 | .81 | 245 | 30 | .47 | 501 | 30 | .60 | 940 | 30 | .48 |
| 1913 | 15 | .41 | 131 | 30 | .84 | 246 | 30 | .48 | 502 | 30 | .62 | 941 | 30 | .30 |
| 1914 | 15 | .39 | 135 | 30 | .82 | 247 | 30 | .53 | 503 | 30 | .59 | 942 | 30 | .53 |
| 1915 | 15 | .41 | 136 | 30 | .85 | 248 | 30 | .49 | 504 | 30 | .58 | 943 | 30 | .61 |
| 1916 | 15 | .39 | 201 | 30 | .41 | 249 | 30 | .60 | 505 | 30 | .60 | 944 | 30 | .62 |
| 1917 | 15 | .42 | 202 | 30 | .39 | 250 | 30 | .60 | 506 | 30 | .63 | 945 | 30 | .63 |
| 1918 | 15 | .44 | 203 | 30 | .37 | 251 | 30 | .63 | 507 | 30 | .62 | 946 | 30 | .61 |
| 1920 | 15 | .41 | 204 | 30 | .44 | 252 | 30 | .44 | 508 | 30 | .63 | 1107 | 30 | .42 |
| 1922 | 15 | .43 | 205 | 30 | .44 | 253 | 30 | .53 | 509 | 30 | .63 | 1108 | 30 | .41 |
| 1924 | 15 | .44 | 206 | 30 | .46 | 254 | 30 | .53 | 901 | 30 | .59 | 1109 | 30 | .40 |
| 1925 | 15 | .43 | 207 | 30 | .49 | 255 | 30 | .49 | 902 | 30 | .48 | 1110 | 30 | .41 |
| 1926 | 15 | .41 | 208 | 30 | .45 | 256 | 30 | .69 | 903 | 30 | .40 | 1111 | 30 | .41 |
| 1927 | 15 | .43 | 209 | 30 | .47 | 257 | 30 | .52 | 904 | 30 | .52 | 1112 | 30 | .43 |
| 1928 | 15 | .41 | 210 | 30 | .43 | 258 | 30 | .52 | 905 | 30 | .70 | 11121 | 30 | .46 |
| 1930 | 15 | .42 | 211 | 30 | .41 | 259 | 30 | .54 | 906 | 30 | .33 | 11126 | 30 | .56 |
| 1932 | 15 | .42 | 212 | 30 | .39 | 260 | 30 | .77 | 907 | 30 | .36 | 11136 | 30 | .89 |
| 1933 | 15 | .41 | 213 | 30 | .39 | 261 | 30 | .66 | 908 | 30 | .90 | 1222 | 30 | .38 |
| 1934 | 15 | .44 | 214 | 30 | .40 | 262 | 30 | .61 | 909 | 30 | .23 | 12222 | 30 | .39 |
| 1935 | 15 | .42 | 215 | 30 | .47 | 263 | 30 | .56 | 910 | 30 | .57 | 1223 | 30 | .77 |
| 1936 | 15 | .43 | 216 | 30 | .51 | 264 | 30 | .66 | 911 | 30 | .52 | 1224 | 30 | .39 |
| 1937 | 15 | .42 | 217 | 30 | .50 | 265 | 30 | .77 | 912 | 30 | .49 | 1225 | 30 | .39 |
| 1938 | 15 | .43 | 218 | 30 | .43 | 266 | 30 | .71 | 913 | 30 | .38 | 1226 | 30 | .40 |
| 1941 | 15 | .43 | 219 | 30 | .44 | 267 | 30 | .74 | 914 | 30 | .53 | 1227 | 30 | .39 |
| 1942 | 15 | .40 | 220 | 30 | .42 | 268 | 30 | .80 | 915 | 30 | .79 | 1230 | 30 | .42 |
| 1943 | 15 | .42 | 221 | 30 | .42 | 269 | 30 | .81 | 916 | 30 | .63 | 1231 | 30 | .42 |
| 1944 | 15 | .42 | 222 | 30 | .39 | 270 | 30 | .85 | 917 | 30 | .56 | 1232 | 30 | .42 |
| 1945 | 15 | .44 | 223 | 30 | .39 | 271 | 30 | .85 | 918 | 30 | .41 | 1233 | 30 | .43 |
| 1946 | 15 | .42 | 224 | 30 | .43 | 272 | 30 | .80 | 919 | 30 | .27 | 1234 | 30 | .42 |
| 101 | 30 | .42 | 225 | 30 | .46 | 273 | 30 | .80 | 920 | 30 | .49 | 1235 | 30 | .41 |
| 102 | 30 | .42 | 226 | 30 | .43 | 301 | 30 | .26 | 921 | 30 | .48 | 1236 | 30 | .46 |
| 103 | 30 | .41 | 227 | 30 | .44 | 302 | 30 | .28 | 922 | 30 | .48 | 1239 | 30 | .46 |
| 104 | 30 | .41 | 228 | 30 | .42 | 303 | 30 | .46 | 923 | 30 | .37 | 1240 | 30 | .44 |
| 105 | 30 | .42 | 229 | 30 | .46 | 304 | 30 | .43 | 924 | 30 | .57 | 1241 | 30 | .47 |
| 106 | 30 | .41 | 230 | 30 | .44 | 305 | 30 | .52 | 925 | 30 | .64 | 1242 | 30 | .45 |
| 107 | 30 | .42 | 231 | 30 | .44 | 306 | 30 | .43 | 926 | 30 | .49 | 1243 | 30 | .45 |
| 108 | 30 | .42 | 232 | 30 | .45 | 307 | 30 | .49 | 927 | 30 | .62 | 1244 | 30 | .46 |
| 109 | 30 | .42 | 233 | 30 | .46 | 308 | 30 | .47 | 928 | 30 | .63 | 1245 | 30 | .47 |
| 110 | 30 | .42 | 234 | 30 | .45 | 309 | 30 | .57 | 929 | 30 | .47 | 1248 | 30 | .54 |
| 111 | 30 | .42 | 235 | 30 | .46 | 310 | 30 | .54 | 930 | 30 | .46 | 1249 | 30 | .54 |
| 112 | 30 | .42 | 236 | 30 | .45 | 311 | 30 | .59 | 931 | 30 | .45 | 1250 | 30 | .54 |
| 113 | 30 | .42 | 237 | 30 | .45 | 312 | 30 | .59 | 932 | 30 | .31 | 1251 | 30 | .53 |
| 114 | 30 | .43 | 238 | 30 | .47 | 313 | 30 | .93 | 933 | 30 | .45 | 1252 | 30 | .53 |
| 115 | 30 | .41 | 239 | 30 | .46 | 314 | 30 | .85 | 934 | 30 | .46 | 1253 | 30 | .54 |
| 116 | 30 | .42 | 240 | 30 | .46 | 401 | 30 | .63 | 935 | 30 | .61 | 1254 | 30 | .55 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION C

| TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM |
|-------|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|------|----------|--------|
| 12557 | 30 | .60 | 101 | 45 | .40 | 225 | 45 | .48 | 273 | 45 | .85 | 920 | 45 | .44 |
| 12558 | 30 | .62 | 102 | 45 | .39 | 226 | 45 | .48 | 301 | 45 | .13 | 921 | 45 | .46 |
| 12559 | 30 | .62 | 103 | 45 | .39 | 227 | 45 | .46 | 302 | 45 | .23 | 922 | 45 | .52 |
| 12600 | 30 | .60 | 104 | 45 | .41 | 228 | 45 | .46 | 303 | 45 | .42 | 923 | 45 | .31 |
| 12601 | 30 | .61 | 105 | 45 | .42 | 229 | 45 | .51 | 304 | 45 | .38 | 924 | 45 | .53 |
| 12602 | 30 | .61 | 106 | 45 | .42 | 230 | 45 | .53 | 305 | 45 | .48 | 925 | 45 | .50 |
| 12603 | 30 | .59 | 107 | 45 | .41 | 231 | 45 | .49 | 306 | 45 | .42 | 926 | 45 | .59 |
| 12604 | 30 | .85 | 108 | 45 | .40 | 232 | 45 | .51 | 307 | 45 | .50 | 927 | 45 | .71 |
| 12605 | 30 | .88 | 109 | 45 | .41 | 233 | 45 | .51 | 308 | 45 | .46 | 928 | 45 | .63 |
| 12606 | 30 | .88 | 110 | 45 | .43 | 234 | 45 | .53 | 309 | 45 | .56 | 929 | 45 | .45 |
| 12607 | 30 | .84 | 111 | 45 | .42 | 235 | 45 | .50 | 310 | 45 | .48 | 930 | 45 | .46 |
| 12608 | 30 | .88 | 112 | 45 | .43 | 236 | 45 | .49 | 311 | 45 | .61 | 931 | 45 | .50 |
| 12609 | 30 | .84 | 113 | 45 | .44 | 237 | 45 | .51 | 312 | 45 | .53 | 932 | 45 | .14 |
| 12700 | 30 | .84 | 114 | 45 | .43 | 238 | 45 | .53 | 313 | 45 | .94 | 933 | 45 | .36 |
| 13000 | 30 | .40 | 115 | 45 | .41 | 239 | 45 | .53 | 314 | 45 | .79 | 934 | 45 | .44 |
| 13001 | 30 | .43 | 116 | 45 | .43 | 240 | 45 | .54 | 401 | 45 | .09 | 935 | 45 | .64 |
| 13002 | 30 | .43 | 120 | 45 | .43 | 241 | 45 | .54 | 402 | 45 | .20 | 936 | 45 | .68 |
| 13003 | 30 | .54 | 121 | 45 | .43 | 242 | 45 | .55 | 403 | 45 | .36 | 937 | 45 | .61 |
| 13100 | 30 | .56 | 125 | 45 | .48 | 243 | 45 | .54 | 404 | 45 | .11 | 938 | 45 | .45 |
| 13101 | 30 | .93 | 126 | 45 | .50 | 244 | 45 | .56 | 405 | 45 | .14 | 939 | 45 | .51 |
| 13102 | 30 | .33 | 130 | 45 | .80 | 245 | 45 | .62 | 501 | 45 | .61 | 940 | 45 | .54 |
| 19100 | 30 | .40 | 131 | 45 | .81 | 246 | 45 | .62 | 502 | 45 | .64 | 941 | 45 | .27 |
| 19101 | 30 | .37 | 135 | 45 | .81 | 247 | 45 | .53 | 503 | 45 | .64 | 942 | 45 | .46 |
| 19102 | 30 | .41 | 136 | 45 | .83 | 248 | 45 | .53 | 504 | 45 | .62 | 943 | 45 | .45 |
| 19103 | 30 | .38 | 201 | 45 | .48 | 249 | 45 | .57 | 505 | 45 | .56 | 944 | 45 | .52 |
| 19104 | 30 | .40 | 202 | 45 | .45 | 250 | 45 | .53 | 506 | 45 | .60 | 945 | 45 | .67 |
| 19105 | 30 | .39 | 203 | 45 | .46 | 251 | 45 | .58 | 507 | 45 | .64 | 946 | 45 | .57 |
| 19200 | 30 | .41 | 204 | 45 | .47 | 252 | 45 | .58 | 508 | 45 | .66 | 1107 | 45 | .41 |
| 19201 | 30 | .39 | 205 | 45 | .45 | 253 | 45 | .58 | 509 | 45 | .62 | 1108 | 45 | .39 |
| 19202 | 30 | .41 | 206 | 45 | .47 | 254 | 45 | .56 | 901 | 45 | .62 | 1109 | 45 | .39 |
| 19203 | 30 | .41 | 207 | 45 | .48 | 255 | 45 | .53 | 902 | 45 | .56 | 1110 | 45 | .41 |
| 19204 | 30 | .40 | 208 | 45 | .50 | 256 | 45 | .55 | 903 | 45 | .37 | 1111 | 45 | .41 |
| 19205 | 30 | .39 | 209 | 45 | .48 | 257 | 45 | .55 | 904 | 45 | .48 | 1116 | 45 | .44 |
| 19206 | 30 | .41 | 210 | 45 | .49 | 258 | 45 | .56 | 905 | 45 | .67 | 1121 | 45 | .47 |
| 19300 | 30 | .41 | 211 | 45 | .48 | 259 | 45 | .50 | 906 | 45 | .17 | 1126 | 45 | .56 |
| 19301 | 30 | .41 | 212 | 45 | .47 | 260 | 45 | .61 | 907 | 45 | .20 | 1136 | 45 | .68 |
| 19302 | 30 | .41 | 213 | 45 | .50 | 261 | 45 | .63 | 908 | 45 | .95 | 1221 | 45 | .37 |
| 19303 | 30 | .41 | 214 | 45 | .48 | 262 | 45 | .64 | 909 | 45 | .51 | 1222 | 45 | .38 |
| 19304 | 30 | .40 | 215 | 45 | .48 | 263 | 45 | .64 | 910 | 45 | .53 | 1223 | 45 | .39 |
| 19305 | 30 | .40 | 216 | 45 | .51 | 264 | 45 | .61 | 911 | 45 | .55 | 1224 | 45 | .38 |
| 19306 | 30 | .41 | 217 | 45 | .48 | 265 | 45 | .77 | 912 | 45 | .53 | 1225 | 45 | .38 |
| 19307 | 30 | .41 | 218 | 45 | .48 | 266 | 45 | .76 | 913 | 45 | .38 | 1226 | 45 | .38 |
| 19308 | 30 | .41 | 219 | 45 | .46 | 267 | 45 | .78 | 914 | 45 | .48 | 1227 | 45 | .38 |
| 19400 | 30 | .40 | 220 | 45 | .51 | 268 | 45 | .83 | 915 | 45 | .72 | 1230 | 45 | .43 |
| 19401 | 30 | .40 | 221 | 45 | .49 | 269 | 45 | .90 | 916 | 45 | .07 | 1231 | 45 | .41 |
| 19402 | 30 | .40 | 222 | 45 | .47 | 270 | 45 | .93 | 917 | 45 | .42 | 1232 | 45 | .41 |
| 19403 | 30 | .42 | 223 | 45 | .51 | 271 | 45 | .90 | 918 | 45 | .46 | 1233 | 45 | .40 |
| 19404 | 30 | .41 | 224 | 45 | .49 | 272 | 45 | .91 | 919 | 45 | .55 | 1234 | 45 | .42 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION C

| TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM |
|-------|----------|--------|------|----------|--------|-----|----------|--------|-----|----------|--------|------|----------|--------|
| 12335 | 45 | 40 | 1927 | 45 | 40 | 209 | 60 | 48 | 257 | 60 | 53 | 904 | 60 | 42 |
| 12336 | 45 | 40 | 1928 | 45 | 39 | 210 | 60 | 50 | 258 | 60 | 54 | 905 | 60 | 56 |
| 12339 | 45 | 45 | 1930 | 45 | 40 | 211 | 60 | 49 | 259 | 60 | 60 | 906 | 60 | 85 |
| 1240 | 45 | 45 | 1932 | 45 | 39 | 212 | 60 | 46 | 260 | 60 | 63 | 907 | 60 | 01 |
| 1241 | 45 | 44 | 1933 | 45 | 40 | 213 | 60 | 48 | 261 | 60 | 68 | 908 | 60 | 86 |
| 1242 | 45 | 45 | 1934 | 45 | 39 | 214 | 60 | 43 | 262 | 60 | 67 | 909 | 60 | 79 |
| 1243 | 45 | 45 | 1935 | 45 | 41 | 215 | 60 | 46 | 263 | 60 | 65 | 910 | 60 | 40 |
| 1244 | 45 | 46 | 1936 | 45 | 39 | 216 | 60 | 48 | 264 | 60 | 63 | 911 | 60 | 50 |
| 1245 | 45 | 45 | 1937 | 45 | 40 | 217 | 60 | 48 | 265 | 60 | 67 | 912 | 60 | 59 |
| 1246 | 45 | 44 | 1939 | 45 | 40 | 218 | 60 | 48 | 266 | 60 | 67 | 913 | 60 | 32 |
| 1249 | 45 | 55 | 1941 | 45 | 40 | 219 | 60 | 44 | 267 | 60 | 76 | 914 | 60 | 43 |
| 1250 | 45 | 52 | 1942 | 45 | 40 | 220 | 60 | 49 | 268 | 60 | 84 | 915 | 60 | 77 |
| 1251 | 45 | 52 | 1943 | 45 | 40 | 221 | 60 | 51 | 269 | 60 | 88 | 916 | 60 | 91 |
| 1253 | 45 | 52 | 1944 | 45 | 41 | 222 | 60 | 47 | 270 | 60 | 95 | 917 | 60 | 05 |
| 1254 | 45 | 53 | 1945 | 45 | 40 | 223 | 60 | 47 | 271 | 60 | 91 | 918 | 60 | 56 |
| 1257 | 45 | 53 | 1946 | 45 | 40 | 224 | 60 | 47 | 272 | 60 | 91 | 919 | 60 | 78 |
| 1258 | 45 | 61 | 101 | 60 | 34 | 225 | 60 | 48 | 273 | 60 | 88 | 920 | 60 | 32 |
| 1259 | 45 | 59 | 102 | 60 | 33 | 226 | 60 | 46 | 301 | 60 | 00 | 921 | 60 | 36 |
| 1260 | 45 | 60 | 103 | 60 | 34 | 227 | 60 | 47 | 302 | 60 | 18 | 922 | 60 | 47 |
| 1261 | 45 | 60 | 104 | 60 | 35 | 228 | 60 | 47 | 303 | 60 | 34 | 923 | 60 | 21 |
| 1262 | 45 | 59 | 105 | 60 | 37 | 229 | 60 | 47 | 304 | 60 | 29 | 924 | 60 | 38 |
| 1263 | 45 | 58 | 106 | 60 | 37 | 230 | 60 | 47 | 305 | 60 | 39 | 925 | 60 | 41 |
| 1266 | 45 | 62 | 107 | 60 | 36 | 231 | 60 | 47 | 306 | 60 | 31 | 926 | 60 | 55 |
| 1267 | 45 | 65 | 108 | 60 | 35 | 232 | 60 | 47 | 307 | 60 | 40 | 927 | 60 | 75 |
| 1268 | 45 | 66 | 109 | 60 | 37 | 233 | 60 | 47 | 308 | 60 | 36 | 928 | 60 | 72 |
| 1269 | 45 | 64 | 110 | 60 | 38 | 234 | 60 | 47 | 309 | 60 | 45 | 929 | 60 | 35 |
| 1270 | 45 | 66 | 111 | 60 | 37 | 235 | 60 | 47 | 310 | 60 | 36 | 930 | 60 | 41 |
| 1271 | 45 | 81 | 112 | 60 | 38 | 236 | 60 | 48 | 311 | 60 | 49 | 931 | 60 | 54 |
| 1272 | 45 | 83 | 113 | 60 | 39 | 237 | 60 | 48 | 312 | 60 | 40 | 932 | 60 | 01 |
| 1300 | 45 | 49 | 114 | 60 | 38 | 238 | 60 | 57 | 313 | 60 | 72 | 933 | 60 | 22 |
| 1305 | 45 | 43 | 115 | 60 | 36 | 239 | 60 | 52 | 314 | 60 | 54 | 934 | 60 | 31 |
| 1307 | 45 | 47 | 116 | 60 | 38 | 240 | 60 | 52 | 401 | 60 | 16 | 935 | 60 | 52 |
| 1309 | 45 | 55 | 120 | 60 | 37 | 241 | 60 | 54 | 402 | 60 | 16 | 936 | 60 | 71 |
| 1311 | 45 | 55 | 121 | 60 | 40 | 242 | 60 | 55 | 403 | 60 | 26 | 937 | 60 | 56 |
| 1313 | 45 | 91 | 125 | 60 | 40 | 243 | 60 | 52 | 404 | 60 | 02 | 938 | 60 | 55 |
| 1911 | 45 | 33 | 126 | 60 | 41 | 244 | 60 | 52 | 405 | 60 | 10 | 939 | 60 | 40 |
| 1913 | 45 | 39 | 130 | 60 | 66 | 245 | 60 | 52 | 501 | 60 | 60 | 940 | 60 | 63 |
| 1914 | 45 | 35 | 131 | 60 | 67 | 246 | 60 | 52 | 502 | 60 | 66 | 941 | 60 | 17 |
| 1915 | 45 | 40 | 135 | 60 | 67 | 247 | 60 | 52 | 503 | 60 | 69 | 942 | 60 | 24 |
| 1916 | 45 | 38 | 136 | 60 | 74 | 248 | 60 | 53 | 504 | 60 | 66 | 943 | 60 | 24 |
| 1917 | 45 | 41 | 201 | 60 | 52 | 249 | 60 | 53 | 505 | 60 | 52 | 944 | 60 | 41 |
| 1918 | 45 | 40 | 202 | 60 | 47 | 250 | 60 | 53 | 506 | 60 | 54 | 945 | 60 | 68 |
| 1921 | 45 | 40 | 203 | 60 | 46 | 251 | 60 | 53 | 507 | 60 | 64 | 946 | 60 | 53 |
| 1922 | 45 | 41 | 204 | 60 | 49 | 252 | 60 | 51 | 508 | 60 | 68 | 1107 | 60 | 37 |
| 1923 | 45 | 41 | 205 | 60 | 46 | 253 | 60 | 52 | 509 | 60 | 67 | 1108 | 60 | 36 |
| 1924 | 45 | 42 | 206 | 60 | 45 | 254 | 60 | 52 | 901 | 60 | 52 | 1109 | 60 | 37 |
| 1925 | 45 | 40 | 207 | 60 | 50 | 255 | 60 | 53 | 902 | 60 | 63 | 1110 | 60 | 38 |
| 1926 | 45 | 40 | 208 | 60 | 49 | 256 | 60 | 53 | 903 | 60 | 33 | 1111 | 60 | 38 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION C

| TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM |
|------|----------|--------|------|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|
| 1116 | 60 | .41 | 1307 | 60 | .42 | 120 | 75 | .27 | 241 | 75 | .40 | 402 | 75 | .02 |
| 1121 | 60 | .43 | 1309 | 60 | .50 | 121 | 75 | .28 | 242 | 75 | .47 | 403 | 75 | .07 |
| 1126 | 60 | .49 | 1311 | 60 | .52 | 123 | 75 | .30 | 243 | 75 | .51 | 404 | 75 | .03 |
| 1130 | 60 | .52 | 1313 | 60 | .54 | 126 | 75 | .29 | 244 | 75 | .52 | 405 | 75 | .03 |
| 1135 | 60 | .55 | 1315 | 60 | .59 | 130 | 75 | .47 | 245 | 75 | .49 | 501 | 75 | .45 |
| 1141 | 60 | .55 | 1317 | 60 | .64 | 131 | 75 | .49 | 246 | 75 | .49 | 502 | 75 | .49 |
| 1143 | 60 | .55 | 1319 | 60 | .66 | 133 | 75 | .50 | 247 | 75 | .42 | 503 | 75 | .49 |
| 1144 | 60 | .55 | 1321 | 60 | .66 | 135 | 75 | .54 | 248 | 75 | .42 | 504 | 75 | .49 |
| 1145 | 60 | .55 | 1323 | 60 | .66 | 136 | 75 | .54 | 249 | 75 | .43 | 505 | 75 | .49 |
| 1146 | 60 | .55 | 1324 | 60 | .66 | 201 | 75 | .44 | 250 | 75 | .49 | 506 | 75 | .49 |
| 1147 | 60 | .55 | 1325 | 60 | .66 | 202 | 75 | .41 | 251 | 75 | .55 | 507 | 75 | .47 |
| 1148 | 60 | .55 | 1326 | 60 | .66 | 203 | 75 | .36 | 252 | 75 | .58 | 508 | 75 | .50 |
| 1149 | 60 | .55 | 1327 | 60 | .66 | 204 | 75 | .54 | 253 | 75 | .60 | 509 | 75 | .50 |
| 1150 | 60 | .55 | 1328 | 60 | .66 | 205 | 75 | .51 | 254 | 75 | .58 | 901 | 75 | .22 |
| 1151 | 60 | .55 | 1329 | 60 | .66 | 206 | 75 | .50 | 255 | 75 | .57 | 902 | 75 | .22 |
| 1152 | 60 | .55 | 1330 | 60 | .66 | 207 | 75 | .55 | 256 | 75 | .49 | 903 | 75 | .08 |
| 1153 | 60 | .55 | 1331 | 60 | .66 | 208 | 75 | .50 | 257 | 75 | .47 | 904 | 75 | .24 |
| 1154 | 60 | .55 | 1332 | 60 | .66 | 209 | 75 | .47 | 258 | 75 | .50 | 905 | 75 | .35 |
| 1155 | 60 | .55 | 1333 | 60 | .66 | 210 | 75 | .42 | 259 | 75 | .54 | 906 | 75 | .44 |
| 1156 | 60 | .55 | 1334 | 60 | .66 | 211 | 75 | .42 | 260 | 75 | .61 | 907 | 75 | .44 |
| 1157 | 60 | .55 | 1335 | 60 | .66 | 212 | 75 | .40 | 261 | 75 | .68 | 908 | 75 | .44 |
| 1158 | 60 | .55 | 1336 | 60 | .66 | 213 | 75 | .39 | 262 | 75 | .70 | 909 | 75 | .59 |
| 1159 | 60 | .55 | 1337 | 60 | .66 | 214 | 75 | .40 | 263 | 75 | .71 | 910 | 75 | .13 |
| 1160 | 60 | .55 | 1338 | 60 | .66 | 215 | 75 | .43 | 264 | 75 | .65 | 911 | 75 | .26 |
| 1161 | 60 | .55 | 1339 | 60 | .66 | 216 | 75 | .48 | 265 | 75 | .66 | 912 | 75 | .49 |
| 1162 | 60 | .55 | 1340 | 60 | .66 | 217 | 75 | .48 | 266 | 75 | .66 | 913 | 75 | .09 |
| 1163 | 60 | .55 | 1341 | 60 | .66 | 218 | 75 | .50 | 267 | 75 | .67 | 914 | 75 | .24 |
| 1164 | 60 | .55 | 1342 | 60 | .66 | 219 | 75 | .49 | 268 | 75 | .74 | 915 | 75 | .36 |
| 1165 | 60 | .55 | 1343 | 60 | .66 | 220 | 75 | .40 | 269 | 75 | .83 | 916 | 75 | .55 |
| 1166 | 60 | .55 | 1344 | 60 | .66 | 221 | 75 | .42 | 270 | 75 | .89 | 917 | 75 | .62 |
| 1167 | 60 | .55 | 1345 | 60 | .66 | 222 | 75 | .41 | 271 | 75 | .89 | 918 | 75 | .48 |
| 1168 | 60 | .55 | 1346 | 60 | .66 | 223 | 75 | .40 | 272 | 75 | .89 | 919 | 75 | .55 |
| 1169 | 60 | .55 | 1347 | 60 | .66 | 224 | 75 | .43 | 273 | 75 | .97 | 920 | 75 | .17 |
| 1170 | 60 | .55 | 101 | 75 | .22 | 225 | 75 | .46 | 301 | 75 | .12 | 921 | 75 | .25 |
| 1171 | 60 | .55 | 102 | 75 | .22 | 226 | 75 | .48 | 302 | 75 | .02 | 922 | 75 | .36 |
| 1172 | 60 | .55 | 103 | 75 | .22 | 227 | 75 | .47 | 303 | 75 | .03 | 923 | 75 | .06 |
| 1173 | 60 | .55 | 104 | 75 | .22 | 228 | 75 | .45 | 304 | 75 | .06 | 924 | 75 | .16 |
| 1174 | 60 | .55 | 105 | 75 | .22 | 229 | 75 | .38 | 305 | 75 | .04 | 925 | 75 | .22 |
| 1175 | 60 | .55 | 106 | 75 | .22 | 230 | 75 | .38 | 306 | 75 | .03 | 926 | 75 | .08 |
| 1176 | 60 | .55 | 107 | 75 | .22 | 231 | 75 | .38 | 307 | 75 | .06 | 927 | 75 | .56 |
| 1177 | 60 | .55 | 108 | 75 | .22 | 232 | 75 | .41 | 308 | 75 | .04 | 928 | 75 | .56 |
| 1178 | 60 | .55 | 109 | 75 | .22 | 233 | 75 | .43 | 309 | 75 | .05 | 929 | 75 | .18 |
| 1179 | 60 | .55 | 110 | 75 | .22 | 234 | 75 | .47 | 310 | 75 | .01 | 930 | 75 | .25 |
| 1180 | 60 | .55 | 111 | 75 | .22 | 235 | 75 | .49 | 311 | 75 | .12 | 931 | 75 | .43 |
| 1181 | 60 | .55 | 112 | 75 | .22 | 236 | 75 | .51 | 312 | 75 | .09 | 932 | 75 | .04 |
| 1182 | 60 | .55 | 113 | 75 | .22 | 237 | 75 | .51 | 313 | 75 | .28 | 933 | 75 | .08 |
| 1183 | 60 | .55 | 114 | 75 | .22 | 238 | 75 | .40 | 314 | 75 | .20 | 934 | 75 | .18 |
| 1184 | 60 | .55 | 115 | 75 | .22 | 239 | 75 | .40 | 401 | 75 | .17 | 935 | 75 | .55 |
| 1185 | 60 | .55 | 116 | 75 | .22 | 240 | 75 | .41 | | | | | | |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION C

| TAP | AZI-NUTH | ANSCPM | TAP | AZI-NUTH | ANSCPM | TAP | AZI-NUTH | ANSCPM | TAP | AZI-NUTH | ANSCPM | TAP | AZI-NUTH | ANSCPM |
|------|----------|--------|------|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|
| 9336 | 75 | -.49 | 1237 | 75 | -.41 | 101 | 90 | -.20 | 225 | 90 | -.25 | 273 | 90 | -.83 |
| 9337 | 75 | -.41 | 1238 | 75 | -.43 | 102 | 90 | -.19 | 226 | 90 | -.32 | 301 | 90 | -.53 |
| 9338 | 75 | -.22 | 1239 | 75 | -.41 | 103 | 90 | -.19 | 227 | 90 | -.40 | 302 | 90 | -.59 |
| 9339 | 75 | -.20 | 1260 | 75 | -.42 | 104 | 90 | -.19 | 228 | 90 | -.46 | 303 | 90 | -.53 |
| 940 | 75 | -.33 | 1261 | 75 | -.42 | 105 | 90 | -.19 | 229 | 90 | -.21 | 304 | 90 | -.53 |
| 941 | 75 | -.02 | 1262 | 75 | -.40 | 106 | 90 | -.21 | 230 | 90 | -.15 | 305 | 90 | -.46 |
| 942 | 75 | -.08 | 1263 | 75 | -.40 | 107 | 90 | -.21 | 231 | 90 | -.15 | 306 | 90 | -.61 |
| 943 | 75 | -.13 | 1266 | 75 | -.61 | 108 | 90 | -.20 | 232 | 90 | -.15 | 307 | 90 | -.64 |
| 944 | 75 | -.34 | 1267 | 75 | -.57 | 109 | 90 | -.21 | 233 | 90 | -.21 | 308 | 90 | -.66 |
| 945 | 75 | -.49 | 1268 | 75 | -.59 | 110 | 90 | -.22 | 234 | 90 | -.26 | 309 | 90 | -.67 |
| 946 | 75 | -.36 | 1269 | 75 | -.60 | 111 | 90 | -.22 | 235 | 90 | -.36 | 310 | 90 | -.72 |
| 1107 | 75 | -.27 | 1270 | 75 | -.59 | 112 | 90 | -.21 | 236 | 90 | -.47 | 311 | 90 | -.61 |
| 1108 | 75 | -.27 | 1271 | 75 | -.57 | 113 | 90 | -.21 | 237 | 90 | -.51 | 312 | 90 | -.76 |
| 1109 | 75 | -.26 | 1272 | 75 | -.54 | 114 | 90 | -.22 | 238 | 90 | -.16 | 313 | 90 | -.62 |
| 1110 | 75 | -.26 | 1303 | 75 | -.26 | 115 | 90 | -.19 | 239 | 90 | -.16 | 314 | 90 | -.68 |
| 1111 | 75 | -.26 | 1305 | 75 | -.28 | 116 | 90 | -.20 | 240 | 90 | -.16 | 401 | 90 | -.04 |
| 1116 | 75 | -.28 | 1307 | 75 | -.29 | 120 | 90 | -.21 | 241 | 90 | -.17 | 402 | 90 | -.01 |
| 1121 | 75 | -.31 | 1309 | 75 | -.37 | 121 | 90 | -.21 | 242 | 90 | -.20 | 403 | 90 | -.03 |
| 1126 | 75 | -.35 | 1311 | 75 | -.36 | 125 | 90 | -.20 | 243 | 90 | -.29 | 404 | 90 | -.05 |
| 1136 | 75 | -.60 | 1313 | 75 | -.60 | 126 | 90 | -.20 | 244 | 90 | -.37 | 405 | 90 | -.08 |
| 1221 | 75 | -.25 | 1911 | 75 | -.21 | 130 | 90 | -.33 | 245 | 90 | -.46 | 501 | 90 | -.22 |
| 1222 | 75 | -.27 | 1913 | 75 | -.26 | 131 | 90 | -.32 | 246 | 90 | -.32 | 502 | 90 | -.23 |
| 1223 | 75 | -.26 | 1914 | 75 | -.24 | 135 | 90 | -.33 | 247 | 90 | -.20 | 503 | 90 | -.24 |
| 1224 | 75 | -.26 | 1915 | 75 | -.26 | 136 | 90 | -.33 | 248 | 90 | -.18 | 504 | 90 | -.25 |
| 1225 | 75 | -.26 | 1916 | 75 | -.25 | 201 | 90 | -.19 | 249 | 90 | -.17 | 505 | 90 | -.21 |
| 1226 | 75 | -.26 | 1917 | 75 | -.26 | 202 | 90 | -.17 | 250 | 90 | -.20 | 506 | 90 | -.20 |
| 1227 | 75 | -.26 | 1918 | 75 | -.27 | 203 | 90 | -.24 | 251 | 90 | -.23 | 507 | 90 | -.23 |
| 1230 | 75 | -.27 | 1921 | 75 | -.26 | 204 | 90 | -.33 | 252 | 90 | -.28 | 508 | 90 | -.25 |
| 1231 | 75 | -.28 | 1923 | 75 | -.28 | 205 | 90 | -.41 | 253 | 90 | -.33 | 509 | 90 | -.26 |
| 1232 | 75 | -.28 | 1924 | 75 | -.26 | 206 | 90 | -.39 | 254 | 90 | -.46 | 901 | 90 | -.08 |
| 1233 | 75 | -.27 | 1925 | 75 | -.26 | 207 | 90 | -.32 | 255 | 90 | -.54 | 902 | 90 | -.16 |
| 1234 | 75 | -.28 | 1926 | 75 | -.26 | 208 | 90 | -.33 | 256 | 90 | -.48 | 903 | 90 | -.00 |
| 1235 | 75 | -.28 | 1927 | 75 | -.26 | 209 | 90 | -.42 | 257 | 90 | -.19 | 904 | 90 | -.10 |
| 1236 | 75 | -.28 | 1928 | 75 | -.27 | 210 | 90 | -.13 | 258 | 90 | -.20 | 905 | 90 | -.15 |
| 1239 | 75 | -.32 | 1930 | 75 | -.26 | 211 | 90 | -.14 | 259 | 90 | -.22 | 906 | 90 | -.22 |
| 1240 | 75 | -.32 | 1932 | 75 | -.26 | 212 | 90 | -.20 | 260 | 90 | -.24 | 907 | 90 | -.27 |
| 1241 | 75 | -.30 | 1933 | 75 | -.26 | 213 | 90 | -.19 | 261 | 90 | -.32 | 908 | 90 | -.31 |
| 1242 | 75 | -.31 | 1934 | 75 | -.26 | 214 | 90 | -.17 | 262 | 90 | -.35 | 909 | 90 | -.48 |
| 1243 | 75 | -.31 | 1935 | 75 | -.26 | 215 | 90 | -.23 | 263 | 90 | -.51 | 910 | 90 | -.05 |
| 1244 | 75 | -.30 | 1936 | 75 | -.26 | 216 | 90 | -.27 | 264 | 90 | -.36 | 911 | 90 | -.10 |
| 1245 | 75 | -.30 | 1937 | 75 | -.26 | 217 | 90 | -.36 | 265 | 90 | -.23 | 912 | 90 | -.18 |
| 1248 | 75 | -.36 | 1939 | 75 | -.26 | 218 | 90 | -.43 | 266 | 90 | -.23 | 913 | 90 | -.02 |
| 1249 | 75 | -.37 | 1941 | 75 | -.26 | 219 | 90 | -.49 | 267 | 90 | -.25 | 914 | 90 | -.07 |
| 1250 | 75 | -.36 | 1942 | 75 | -.26 | 220 | 90 | -.09 | 268 | 90 | -.28 | 915 | 90 | -.14 |
| 1251 | 75 | -.36 | 1943 | 75 | -.26 | 221 | 90 | -.12 | 269 | 90 | -.32 | 916 | 90 | -.20 |
| 1252 | 75 | -.35 | 1944 | 75 | -.26 | 222 | 90 | -.12 | 270 | 90 | -.37 | 917 | 90 | -.26 |
| 1253 | 75 | -.35 | 1945 | 75 | -.26 | 223 | 90 | -.13 | 271 | 90 | -.40 | 918 | 90 | -.30 |
| 1254 | 75 | -.45 | 1946 | 75 | -.26 | 224 | 90 | -.18 | 272 | 90 | -.57 | 919 | 90 | -.48 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION C

| TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM |
|------|----------|--------|------|----------|--------|------|----------|--------|-----|----------|--------|-----|----------|--------|
| 920 | 90 | -.06 | 1235 | 90 | -.15 | 1927 | 90 | -.14 | 209 | 105 | -.54 | 257 | 105 | -.24 |
| 921 | 90 | -.08 | 1236 | 90 | -.15 | 1928 | 90 | -.16 | 210 | 105 | -.11 | 258 | 105 | -.18 |
| 922 | 90 | -.14 | 1239 | 90 | -.17 | 1930 | 90 | -.15 | 211 | 105 | -.10 | 259 | 105 | -.17 |
| 923 | 90 | -.01 | 1240 | 90 | -.17 | 1932 | 90 | -.15 | 212 | 105 | -.08 | 260 | 105 | -.15 |
| 924 | 90 | -.07 | 1241 | 90 | -.17 | 1933 | 90 | -.16 | 213 | 105 | -.10 | 261 | 105 | -.13 |
| 925 | 90 | -.15 | 1242 | 90 | -.16 | 1934 | 90 | -.15 | 214 | 105 | -.15 | 262 | 105 | -.13 |
| 926 | 90 | -.23 | 1243 | 90 | -.16 | 1935 | 90 | -.14 | 215 | 105 | -.27 | 263 | 105 | -.40 |
| 927 | 90 | -.27 | 1244 | 90 | -.16 | 1936 | 90 | -.13 | 216 | 105 | -.28 | 264 | 105 | -.49 |
| 928 | 90 | -.27 | 1245 | 90 | -.16 | 1937 | 90 | -.15 | 217 | 105 | -.28 | 265 | 105 | -.31 |
| 929 | 90 | -.10 | 1248 | 90 | -.20 | 1939 | 90 | -.15 | 218 | 105 | -.32 | 266 | 105 | -.32 |
| 930 | 90 | -.10 | 1249 | 90 | -.19 | 1941 | 90 | -.15 | 219 | 105 | -.45 | 267 | 105 | -.24 |
| 931 | 90 | -.13 | 1250 | 90 | -.19 | 1942 | 90 | -.16 | 220 | 105 | -.07 | 268 | 105 | -.23 |
| 932 | 90 | -.03 | 1251 | 90 | -.20 | 1943 | 90 | -.15 | 221 | 105 | -.12 | 269 | 105 | -.21 |
| 933 | 90 | -.10 | 1252 | 90 | -.18 | 1944 | 90 | -.15 | 222 | 105 | -.10 | 270 | 105 | -.17 |
| 934 | 90 | -.16 | 1253 | 90 | -.18 | 1945 | 90 | -.15 | 223 | 105 | -.10 | 271 | 105 | -.15 |
| 935 | 90 | -.22 | 1254 | 90 | -.19 | 1946 | 90 | -.15 | 224 | 105 | -.11 | 272 | 105 | -.47 |
| 936 | 90 | -.26 | 1257 | 90 | -.23 | 101 | 105 | -.31 | 225 | 105 | -.14 | 273 | 105 | -.73 |
| 937 | 90 | -.22 | 1258 | 90 | -.22 | 102 | 105 | -.32 | 226 | 105 | -.16 | 301 | 105 | -.52 |
| 938 | 90 | -.14 | 1259 | 90 | -.22 | 103 | 105 | -.29 | 227 | 105 | -.24 | 302 | 105 | -.47 |
| 939 | 90 | -.11 | 1260 | 90 | -.21 | 104 | 105 | -.27 | 228 | 105 | -.37 | 303 | 105 | -.49 |
| 940 | 90 | -.14 | 1261 | 90 | -.22 | 105 | 105 | -.26 | 229 | 105 | -.31 | 304 | 105 | -.51 |
| 941 | 90 | -.09 | 1262 | 90 | -.20 | 106 | 105 | -.33 | 230 | 105 | -.18 | 305 | 105 | -.54 |
| 942 | 90 | -.13 | 1263 | 90 | -.21 | 107 | 105 | -.31 | 231 | 105 | -.13 | 306 | 105 | -.52 |
| 943 | 90 | -.18 | 1266 | 90 | -.31 | 108 | 105 | -.30 | 232 | 105 | -.11 | 307 | 105 | -.56 |
| 944 | 90 | -.23 | 1267 | 90 | -.30 | 109 | 105 | -.29 | 233 | 105 | -.11 | 308 | 105 | -.56 |
| 945 | 90 | -.23 | 1268 | 90 | -.30 | 110 | 105 | -.27 | 234 | 105 | -.11 | 309 | 105 | -.66 |
| 946 | 90 | -.20 | 1269 | 90 | -.30 | 111 | 105 | -.33 | 235 | 105 | -.12 | 310 | 105 | -.66 |
| 1107 | 90 | -.15 | 1270 | 90 | -.31 | 112 | 105 | -.30 | 236 | 105 | -.20 | 311 | 105 | -.74 |
| 1108 | 90 | -.15 | 1271 | 90 | -.30 | 113 | 105 | -.28 | 237 | 105 | -.36 | 312 | 105 | -.74 |
| 1109 | 90 | -.15 | 1272 | 90 | -.28 | 114 | 105 | -.27 | 238 | 105 | -.22 | 313 | 105 | -.93 |
| 1110 | 90 | -.15 | 1303 | 90 | -.14 | 115 | 105 | -.35 | 239 | 105 | -.18 | 314 | 105 | -.66 |
| 1111 | 90 | -.15 | 1305 | 90 | -.13 | 116 | 105 | -.34 | 240 | 105 | -.15 | 401 | 105 | -.08 |
| 1116 | 90 | -.16 | 1307 | 90 | -.17 | 120 | 105 | -.36 | 241 | 105 | -.12 | 402 | 105 | -.05 |
| 1121 | 90 | -.18 | 1309 | 90 | -.21 | 121 | 105 | -.34 | 242 | 105 | -.11 | 403 | 105 | -.02 |
| 1126 | 90 | -.22 | 1311 | 90 | -.18 | 125 | 105 | -.41 | 243 | 105 | -.11 | 404 | 105 | -.02 |
| 1136 | 90 | -.34 | 1313 | 90 | -.36 | 126 | 105 | -.38 | 244 | 105 | -.13 | 405 | 105 | -.03 |
| 1221 | 90 | -.13 | 1911 | 90 | -.09 | 130 | 105 | -.62 | 245 | 105 | -.30 | 501 | 105 | -.43 |
| 1222 | 90 | -.14 | 1913 | 90 | -.13 | 131 | 105 | -.59 | 246 | 105 | -.43 | 502 | 105 | -.38 |
| 1223 | 90 | -.14 | 1914 | 90 | -.12 | 135 | 105 | -.64 | 247 | 105 | -.28 | 503 | 105 | -.39 |
| 1224 | 90 | -.14 | 1915 | 90 | -.13 | 136 | 105 | -.59 | 248 | 105 | -.22 | 504 | 105 | -.39 |
| 1225 | 90 | -.13 | 1916 | 90 | -.13 | 201 | 105 | -.20 | 249 | 105 | -.16 | 505 | 105 | -.33 |
| 1226 | 90 | -.13 | 1917 | 90 | -.14 | 202 | 105 | -.15 | 250 | 105 | -.15 | 506 | 105 | -.33 |
| 1227 | 90 | -.13 | 1918 | 90 | -.15 | 203 | 105 | -.18 | 251 | 105 | -.13 | 507 | 105 | -.29 |
| 1230 | 90 | -.15 | 1921 | 90 | -.15 | 204 | 105 | -.35 | 252 | 105 | -.12 | 508 | 105 | -.30 |
| 1231 | 90 | -.15 | 1923 | 90 | -.15 | 205 | 105 | -.30 | 253 | 105 | -.14 | 509 | 105 | -.30 |
| 1232 | 90 | -.16 | 1924 | 90 | -.15 | 206 | 105 | -.45 | 254 | 105 | -.35 | 901 | 105 | -.19 |
| 1233 | 90 | -.15 | 1925 | 90 | -.15 | 207 | 105 | -.33 | 255 | 105 | -.48 | 902 | 105 | -.15 |
| 1234 | 90 | -.15 | 1926 | 90 | -.15 | 208 | 105 | -.46 | 256 | 105 | -.24 | 903 | 105 | -.09 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION C

| TAP | AZI- MUTH | ANSCPM | TAP | AZI- MUTH | ANSCPM | TAP | AZI- MUTH | ANSCPM | TAP | AZI- MUTH | ANSCPM | TAP | AZI- MUTH | ANSCPM |
|------|--------------|--------|------|--------------|--------|------|--------------|--------|-----|--------------|--------|-----|--------------|--------|
| 9004 | 105 | .25 | 1116 | 105 | .27 | 1307 | 105 | .27 | 120 | 120 | .30 | 241 | 120 | .03 |
| 9005 | 105 | .30 | 1121 | 105 | .29 | 1309 | 105 | .37 | 121 | 120 | .48 | 242 | 120 | .00 |
| 9006 | 105 | .39 | 1126 | 105 | .35 | 1311 | 105 | .34 | 125 | 120 | .55 | 243 | 120 | .01 |
| 9007 | 105 | .44 | 1136 | 105 | .37 | 1313 | 105 | .56 | 126 | 120 | .52 | 244 | 120 | .05 |
| 9008 | 105 | .47 | 1221 | 105 | .24 | 1911 | 105 | .19 | 130 | 120 | .89 | 245 | 120 | .37 |
| 9009 | 105 | .50 | 1222 | 105 | .25 | 1913 | 105 | .25 | 131 | 120 | .78 | 246 | 120 | .32 |
| 9110 | 105 | .06 | 1223 | 105 | .25 | 1914 | 105 | .22 | 135 | 120 | .87 | 247 | 120 | .37 |
| 9111 | 105 | .07 | 1224 | 105 | .25 | 1915 | 105 | .25 | 136 | 120 | .79 | 248 | 120 | .24 |
| 9112 | 105 | .09 | 1225 | 105 | .25 | 1916 | 105 | .23 | 201 | 120 | .27 | 249 | 120 | .12 |
| 9113 | 105 | .02 | 1226 | 105 | .25 | 1917 | 105 | .25 | 202 | 120 | .20 | 250 | 120 | .06 |
| 9114 | 105 | .16 | 1227 | 105 | .24 | 1918 | 105 | .29 | 203 | 120 | .09 | 251 | 120 | .01 |
| 9115 | 105 | .26 | 1230 | 105 | .25 | 1921 | 105 | .25 | 204 | 120 | .48 | 252 | 120 | .02 |
| 9116 | 105 | .36 | 1231 | 105 | .27 | 1923 | 105 | .25 | 205 | 120 | .41 | 253 | 120 | .07 |
| 9117 | 105 | .44 | 1232 | 105 | .27 | 1924 | 105 | .25 | 206 | 120 | .57 | 254 | 120 | .34 |
| 9118 | 105 | .48 | 1233 | 105 | .26 | 1925 | 105 | .25 | 207 | 120 | .40 | 255 | 120 | .33 |
| 9119 | 105 | .51 | 1234 | 105 | .26 | 1926 | 105 | .24 | 208 | 120 | .68 | 256 | 120 | .32 |
| 9200 | 105 | .04 | 1235 | 105 | .25 | 1927 | 105 | .25 | 209 | 120 | .67 | 257 | 120 | .26 |
| 9201 | 105 | .05 | 1236 | 105 | .26 | 1928 | 105 | .24 | 210 | 120 | .16 | 258 | 120 | .12 |
| 9202 | 105 | .07 | 1239 | 105 | .30 | 1930 | 105 | .25 | 211 | 120 | .09 | 259 | 120 | .07 |
| 9203 | 105 | .09 | 1240 | 105 | .30 | 1932 | 105 | .25 | 212 | 120 | .06 | 260 | 120 | .00 |
| 9204 | 105 | .03 | 1241 | 105 | .29 | 1933 | 105 | .25 | 213 | 120 | .15 | 261 | 120 | .03 |
| 9205 | 105 | .16 | 1242 | 105 | .29 | 1934 | 105 | .25 | 214 | 120 | .20 | 262 | 120 | .04 |
| 9206 | 105 | .36 | 1243 | 105 | .29 | 1935 | 105 | .25 | 215 | 120 | .35 | 263 | 120 | .39 |
| 9207 | 105 | .41 | 1244 | 105 | .29 | 1936 | 105 | .25 | 216 | 120 | .32 | 264 | 120 | .33 |
| 9208 | 105 | .31 | 1245 | 105 | .29 | 1937 | 105 | .24 | 217 | 120 | .27 | 265 | 120 | .41 |
| 9209 | 105 | .15 | 1248 | 105 | .34 | 1939 | 105 | .25 | 218 | 120 | .53 | 266 | 120 | .34 |
| 9300 | 105 | .13 | 1249 | 105 | .33 | 1941 | 105 | .24 | 219 | 120 | .62 | 267 | 120 | .16 |
| 9301 | 105 | .21 | 1250 | 105 | .34 | 1942 | 105 | .24 | 220 | 120 | .11 | 268 | 120 | .06 |
| 9302 | 105 | .03 | 1251 | 105 | .33 | 1943 | 105 | .27 | 221 | 120 | .13 | 269 | 120 | .00 |
| 9303 | 105 | .04 | 1252 | 105 | .34 | 1944 | 105 | .25 | 222 | 120 | .08 | 270 | 120 | .07 |
| 9304 | 105 | .12 | 1253 | 105 | .32 | 1945 | 105 | .25 | 223 | 120 | .06 | 271 | 120 | .01 |
| 9305 | 105 | .25 | 1254 | 105 | .35 | 1946 | 105 | .26 | 224 | 120 | .05 | 272 | 120 | .43 |
| 9306 | 105 | .44 | 1257 | 105 | .38 | 101 | 120 | .40 | 225 | 120 | .06 | 273 | 120 | .40 |
| 9307 | 105 | .31 | 1258 | 105 | .37 | 102 | 120 | .39 | 226 | 120 | .06 | 301 | 120 | .47 |
| 9308 | 105 | .21 | 1259 | 105 | .38 | 103 | 120 | .37 | 227 | 120 | .44 | 302 | 120 | .46 |
| 9309 | 105 | .18 | 1260 | 105 | .39 | 104 | 120 | .35 | 228 | 120 | .46 | 303 | 120 | .48 |
| 9400 | 105 | .29 | 1261 | 105 | .38 | 105 | 120 | .34 | 229 | 120 | .43 | 304 | 120 | .48 |
| 9401 | 105 | .03 | 1262 | 105 | .38 | 106 | 120 | .42 | 230 | 120 | .22 | 305 | 120 | .51 |
| 9402 | 105 | .16 | 1263 | 105 | .38 | 107 | 120 | .42 | 231 | 120 | .09 | 306 | 120 | .52 |
| 9403 | 105 | .17 | 1266 | 105 | .33 | 108 | 120 | .38 | 232 | 120 | .05 | 307 | 120 | .54 |
| 9404 | 105 | .34 | 1267 | 105 | .34 | 109 | 120 | .37 | 233 | 120 | .01 | 308 | 120 | .55 |
| 9405 | 105 | .49 | 1268 | 105 | .35 | 110 | 120 | .36 | 234 | 120 | .01 | 309 | 120 | .63 |
| 9406 | 105 | .37 | 1269 | 105 | .37 | 111 | 120 | .43 | 235 | 120 | .00 | 310 | 120 | .60 |
| 1100 | 105 | .25 | 1270 | 105 | .35 | 112 | 120 | .41 | 236 | 120 | .40 | 311 | 120 | .73 |
| 1101 | 105 | .26 | 1271 | 105 | .35 | 113 | 120 | .39 | 237 | 120 | .44 | 312 | 120 | .70 |
| 1102 | 105 | .26 | 1302 | 105 | .35 | 114 | 120 | .37 | 238 | 120 | .29 | 313 | 120 | .95 |
| 1103 | 105 | .25 | 1303 | 105 | .25 | 115 | 120 | .46 | 239 | 120 | .21 | 314 | 120 | .99 |
| 1104 | 105 | .26 | 1305 | 105 | .27 | 116 | 120 | .48 | 240 | 120 | .10 | 401 | 120 | .03 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION C

| TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM |
|-----|----------|--------|------|----------|--------|------|----------|--------|-----|----------|--------|-----|----------|--------|
| 402 | 120 | .03 | 936 | 120 | -.63 | 1257 | 120 | -.52 | 101 | 135 | -.41 | 225 | 135 | .08 |
| 403 | 120 | .00 | 937 | 120 | -.44 | 1258 | 120 | -.51 | 102 | 135 | -.41 | 226 | 135 | .12 |
| 404 | 120 | -.11 | 938 | 120 | -.33 | 1259 | 120 | -.54 | 103 | 135 | -.39 | 227 | 135 | .16 |
| 405 | 120 | -.10 | 939 | 120 | -.37 | 1260 | 120 | -.53 | 104 | 135 | -.40 | 228 | 135 | .13 |
| 501 | 120 | -.58 | 940 | 120 | -.50 | 1261 | 120 | -.53 | 105 | 135 | -.39 | 229 | 135 | .47 |
| 502 | 120 | -.56 | 941 | 120 | -.12 | 1262 | 120 | -.54 | 106 | 135 | -.43 | 230 | 135 | .18 |
| 503 | 120 | -.55 | 942 | 120 | -.26 | 1263 | 120 | -.56 | 107 | 135 | -.41 | 231 | 135 | .01 |
| 504 | 120 | -.53 | 943 | 120 | -.26 | 1266 | 120 | -.73 | 108 | 135 | -.41 | 232 | 135 | .08 |
| 505 | 120 | -.49 | 944 | 120 | -.41 | 1267 | 120 | -.75 | 109 | 135 | -.41 | 233 | 135 | .14 |
| 506 | 120 | -.45 | 945 | 120 | -.67 | 1268 | 120 | -.76 | 110 | 135 | -.42 | 234 | 135 | .19 |
| 507 | 120 | -.42 | 946 | 120 | -.47 | 1269 | 120 | -.76 | 111 | 135 | -.42 | 235 | 135 | .21 |
| 508 | 120 | -.41 | 1107 | 120 | -.36 | 1270 | 120 | -.76 | 112 | 135 | -.42 | 236 | 135 | .00 |
| 509 | 120 | -.40 | 1108 | 120 | -.34 | 1271 | 120 | -.75 | 113 | 135 | -.42 | 237 | 135 | .06 |
| 901 | 120 | -.28 | 1109 | 120 | -.34 | 1272 | 120 | -.75 | 114 | 135 | -.41 | 238 | 135 | .35 |
| 902 | 120 | -.35 | 1110 | 120 | -.35 | 1303 | 120 | -.35 | 115 | 135 | -.50 | 239 | 135 | .17 |
| 903 | 120 | -.11 | 1111 | 120 | -.35 | 1305 | 120 | -.37 | 116 | 135 | -.51 | 240 | 135 | .00 |
| 904 | 120 | -.28 | 1116 | 120 | -.37 | 1307 | 120 | -.40 | 120 | 135 | -.52 | 241 | 135 | .08 |
| 905 | 120 | -.35 | 1121 | 120 | -.42 | 1309 | 120 | -.49 | 121 | 135 | -.51 | 242 | 135 | .15 |
| 906 | 120 | -.48 | 1126 | 120 | -.50 | 1311 | 120 | -.50 | 125 | 135 | -.59 | 243 | 135 | .21 |
| 907 | 120 | -.52 | 1136 | 120 | -.77 | 1313 | 120 | -.76 | 126 | 135 | -.58 | 244 | 135 | .22 |
| 908 | 120 | -.47 | 1221 | 120 | -.34 | 1911 | 120 | -.28 | 130 | 135 | -.96 | 245 | 135 | .01 |
| 909 | 120 | -.48 | 1222 | 120 | -.33 | 1913 | 120 | -.33 | 131 | 135 | -.91 | 246 | 135 | .00 |
| 910 | 120 | -.22 | 1223 | 120 | -.34 | 1914 | 120 | -.31 | 135 | 135 | -.60 | 247 | 135 | .45 |
| 911 | 120 | -.30 | 1224 | 120 | -.34 | 1915 | 120 | -.35 | 136 | 135 | -.91 | 248 | 135 | .22 |
| 912 | 120 | -.45 | 1225 | 120 | -.35 | 1916 | 120 | -.34 | 201 | 135 | -.29 | 249 | 135 | .01 |
| 913 | 120 | -.60 | 1226 | 120 | -.34 | 1917 | 120 | -.36 | 202 | 135 | -.20 | 250 | 135 | .07 |
| 914 | 120 | -.14 | 1227 | 120 | -.34 | 1918 | 120 | -.35 | 203 | 135 | -.04 | 251 | 135 | .15 |
| 915 | 120 | -.28 | 1230 | 120 | -.37 | 1921 | 120 | -.35 | 204 | 135 | -.33 | 252 | 135 | .23 |
| 916 | 120 | -.53 | 1231 | 120 | -.36 | 1923 | 120 | -.35 | 205 | 135 | -.26 | 253 | 135 | .23 |
| 917 | 120 | -.57 | 1232 | 120 | -.38 | 1924 | 120 | -.34 | 206 | 135 | -.45 | 254 | 135 | .02 |
| 918 | 120 | -.48 | 1233 | 120 | -.35 | 1925 | 120 | -.35 | 207 | 135 | -.20 | 255 | 135 | .04 |
| 919 | 120 | -.49 | 1234 | 120 | -.37 | 1926 | 120 | -.34 | 208 | 135 | -.49 | 256 | 135 | .38 |
| 920 | 120 | -.25 | 1235 | 120 | -.36 | 1927 | 120 | -.34 | 209 | 135 | -.47 | 257 | 135 | .25 |
| 921 | 120 | -.35 | 1236 | 120 | -.36 | 1928 | 120 | -.34 | 210 | 135 | -.17 | 258 | 135 | .01 |
| 922 | 120 | -.48 | 1239 | 120 | -.41 | 1930 | 120 | -.35 | 211 | 135 | -.05 | 259 | 135 | .09 |
| 923 | 120 | -.02 | 1240 | 120 | -.41 | 1932 | 120 | -.34 | 212 | 135 | -.00 | 260 | 135 | .20 |
| 924 | 120 | -.10 | 1241 | 120 | -.39 | 1933 | 120 | -.35 | 213 | 135 | -.12 | 261 | 135 | .25 |
| 925 | 120 | -.12 | 1242 | 120 | -.41 | 1934 | 120 | -.36 | 214 | 135 | -.16 | 262 | 135 | .28 |
| 926 | 120 | -.50 | 1243 | 120 | -.41 | 1935 | 120 | -.34 | 215 | 135 | -.33 | 263 | 135 | .06 |
| 927 | 120 | -.59 | 1244 | 120 | -.40 | 1936 | 120 | -.34 | 216 | 135 | -.30 | 264 | 135 | .01 |
| 928 | 120 | -.43 | 1245 | 120 | -.41 | 1937 | 120 | -.35 | 217 | 135 | -.16 | 265 | 135 | .46 |
| 929 | 120 | -.27 | 1248 | 120 | -.47 | 1939 | 120 | -.35 | 218 | 135 | -.22 | 266 | 135 | .24 |
| 930 | 120 | -.32 | 1249 | 120 | -.46 | 1941 | 120 | -.35 | 219 | 135 | -.34 | 267 | 135 | .01 |
| 931 | 120 | -.45 | 1250 | 120 | -.46 | 1942 | 120 | -.34 | 220 | 135 | -.14 | 268 | 135 | .19 |
| 932 | 120 | -.10 | 1251 | 120 | -.47 | 1943 | 120 | -.34 | 221 | 135 | -.16 | 269 | 135 | .29 |
| 933 | 120 | -.19 | 1252 | 120 | -.49 | 1944 | 120 | -.33 | 222 | 135 | -.01 | 270 | 135 | .40 |
| 934 | 120 | -.13 | 1253 | 120 | -.48 | 1945 | 120 | -.34 | 223 | 135 | -.05 | 271 | 135 | .44 |
| 935 | 120 | -.47 | 1254 | 120 | -.47 | 1946 | 120 | -.34 | 224 | 135 | -.04 | 272 | 135 | .16 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION C

| TAP | AZI- MUTH | ANSCPM | TAP | AZI- MUTH | ANSCPM | TAP | AZI- MUTH | ANSCPM | TAP | AZI- MUTH | ANSCPM | TAP | AZI- MUTH | ANSCPM |
|-----|--------------|--------|------|--------------|--------|------|--------------|--------|------|--------------|--------|-----|--------------|--------|
| 273 | 135 | .16 | 920 | 135 | .32 | 1233 | 135 | .42 | 1927 | 135 | .40 | 209 | 150 | .18 |
| 301 | 135 | .48 | 921 | 135 | .38 | 1236 | 135 | .41 | 1928 | 135 | .39 | 210 | 150 | .17 |
| 302 | 135 | .48 | 922 | 135 | .52 | 1239 | 135 | .44 | 1930 | 135 | .39 | 211 | 150 | .04 |
| 303 | 135 | .47 | 923 | 135 | .24 | 1240 | 135 | .45 | 1932 | 135 | .38 | 212 | 150 | .09 |
| 304 | 135 | .46 | 924 | 135 | .31 | 1241 | 135 | .45 | 1933 | 135 | .39 | 213 | 150 | .04 |
| 305 | 135 | .52 | 925 | 135 | .28 | 1242 | 135 | .45 | 1934 | 135 | .39 | 214 | 150 | .09 |
| 306 | 135 | .50 | 926 | 135 | .49 | 1243 | 135 | .46 | 1935 | 135 | .39 | 215 | 150 | .25 |
| 307 | 135 | .55 | 927 | 135 | .65 | 1244 | 135 | .46 | 1936 | 135 | .39 | 216 | 150 | .25 |
| 308 | 135 | .48 | 928 | 135 | .52 | 1245 | 135 | .46 | 1937 | 135 | .39 | 217 | 150 | .09 |
| 309 | 135 | .66 | 929 | 135 | .39 | 1248 | 135 | .52 | 1939 | 135 | .39 | 218 | 150 | .10 |
| 310 | 135 | .59 | 930 | 135 | .41 | 1249 | 135 | .52 | 1941 | 135 | .38 | 219 | 150 | .04 |
| 311 | 135 | .70 | 931 | 135 | .52 | 1250 | 135 | .52 | 1942 | 135 | .39 | 220 | 150 | .09 |
| 312 | 135 | .75 | 932 | 135 | .22 | 1251 | 135 | .52 | 1943 | 135 | .39 | 221 | 150 | .01 |
| 313 | 135 | .99 | 933 | 135 | .33 | 1252 | 135 | .53 | 1944 | 135 | .38 | 222 | 150 | .13 |
| 314 | 135 | .98 | 934 | 135 | .34 | 1253 | 135 | .53 | 1945 | 135 | .40 | 223 | 150 | .18 |
| 401 | 135 | .22 | 935 | 135 | .46 | 1254 | 135 | .54 | 1946 | 135 | .38 | 224 | 150 | .19 |
| 402 | 135 | .23 | 936 | 135 | .65 | 1257 | 135 | .59 | 101 | 150 | .41 | 225 | 150 | .21 |
| 403 | 135 | .23 | 937 | 135 | .52 | 1258 | 135 | .59 | 102 | 150 | .40 | 226 | 150 | .25 |
| 404 | 135 | .21 | 938 | 135 | .44 | 1259 | 135 | .62 | 103 | 150 | .42 | 227 | 150 | .26 |
| 405 | 135 | .16 | 939 | 135 | .46 | 1260 | 135 | .61 | 104 | 150 | .40 | 228 | 150 | .19 |
| 501 | 135 | .61 | 940 | 135 | .47 | 1261 | 135 | .60 | 105 | 150 | .41 | 229 | 150 | .17 |
| 502 | 135 | .80 | 941 | 135 | .22 | 1262 | 135 | .68 | 106 | 150 | .44 | 230 | 150 | .60 |
| 503 | 135 | .57 | 942 | 135 | .49 | 1263 | 135 | .60 | 107 | 150 | .41 | 231 | 150 | .14 |
| 504 | 135 | .59 | 943 | 135 | .51 | 1266 | 135 | .72 | 108 | 150 | .41 | 232 | 150 | .22 |
| 505 | 135 | .59 | 944 | 135 | .51 | 1267 | 135 | .79 | 109 | 150 | .44 | 233 | 150 | .28 |
| 506 | 135 | .57 | 945 | 135 | .67 | 1268 | 135 | .86 | 110 | 150 | .41 | 234 | 150 | .22 |
| 507 | 135 | .57 | 946 | 135 | .55 | 1269 | 135 | .86 | 111 | 150 | .42 | 235 | 150 | .24 |
| 508 | 135 | .50 | 1107 | 135 | .39 | 1270 | 135 | .85 | 112 | 150 | .44 | 236 | 150 | .31 |
| 509 | 135 | .52 | 1108 | 135 | .40 | 1271 | 135 | .83 | 113 | 150 | .43 | 237 | 150 | .32 |
| 901 | 135 | .43 | 1109 | 135 | .38 | 1272 | 135 | .81 | 114 | 150 | .44 | 238 | 150 | .33 |
| 902 | 135 | .45 | 1110 | 135 | .40 | 1303 | 135 | .39 | 115 | 150 | .46 | 239 | 150 | .06 |
| 903 | 135 | .24 | 1111 | 135 | .39 | 1305 | 135 | .41 | 116 | 150 | .46 | 240 | 150 | .15 |
| 904 | 135 | .33 | 1112 | 135 | .42 | 1307 | 135 | .43 | 120 | 150 | .52 | 241 | 150 | .22 |
| 905 | 135 | .39 | 1116 | 135 | .47 | 1309 | 135 | .56 | 121 | 150 | .51 | 242 | 150 | .30 |
| 906 | 135 | .50 | 1121 | 135 | .55 | 1311 | 135 | .54 | 125 | 150 | .58 | 243 | 150 | .36 |
| 907 | 135 | .53 | 1126 | 135 | .68 | 1313 | 135 | .88 | 126 | 150 | .58 | 244 | 150 | .39 |
| 908 | 135 | .50 | 1136 | 135 | .88 | 1314 | 135 | .88 | 126 | 150 | .58 | 245 | 150 | .33 |
| 909 | 135 | .48 | 1221 | 135 | .38 | 1315 | 135 | .81 | 130 | 150 | .99 | 246 | 150 | .29 |
| 910 | 135 | .55 | 1222 | 135 | .39 | 1316 | 135 | .80 | 131 | 150 | .99 | 247 | 150 | .39 |
| 911 | 135 | .41 | 1223 | 135 | .39 | 1317 | 135 | .40 | 131 | 150 | .94 | 248 | 150 | .11 |
| 912 | 135 | .50 | 1224 | 135 | .38 | 1318 | 135 | .35 | 135 | 150 | .98 | 249 | 150 | .15 |
| 913 | 135 | .40 | 1225 | 135 | .38 | 1319 | 135 | .35 | 136 | 150 | .95 | 250 | 150 | .26 |
| 914 | 135 | .33 | 1226 | 135 | .38 | 1320 | 135 | .35 | 201 | 150 | .22 | 251 | 150 | .31 |
| 915 | 135 | .31 | 1227 | 135 | .38 | 1321 | 135 | .35 | 202 | 150 | .12 | 252 | 150 | .38 |
| 916 | 135 | .33 | 1228 | 135 | .41 | 1322 | 135 | .39 | 203 | 150 | .03 | 253 | 150 | .41 |
| 917 | 135 | .33 | 1229 | 135 | .41 | 1323 | 135 | .39 | 204 | 150 | .13 | 254 | 150 | .37 |
| 918 | 135 | .33 | 1230 | 135 | .40 | 1324 | 135 | .39 | 205 | 150 | .02 | 255 | 150 | .33 |
| 919 | 135 | .31 | 1231 | 135 | .42 | 1325 | 135 | .40 | 206 | 150 | .19 | 256 | 150 | .34 |
| | | | 1232 | 135 | .41 | 1326 | 135 | .40 | 207 | 150 | .07 | 257 | 150 | .33 |
| | | | 1233 | 135 | .41 | 1327 | 135 | .40 | 208 | 150 | .19 | 258 | 150 | .34 |
| | | | 1234 | 135 | .42 | 1328 | 135 | .40 | | | | | | |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION C

| TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM |
|-----|----------|--------|------|----------|--------|------|----------|--------|------|----------|--------|-----|----------|--------|
| 257 | 150 | .15 | 904 | 150 | .37 | 1116 | 150 | .43 | 1307 | 150 | .46 | 120 | 165 | .56 |
| 258 | 150 | .16 | 905 | 150 | .39 | 1121 | 150 | .49 | 1309 | 150 | .55 | 121 | 165 | .54 |
| 259 | 150 | .26 | 906 | 150 | .45 | 1126 | 150 | .56 | 1311 | 150 | .57 | 125 | 165 | .64 |
| 260 | 150 | .37 | 907 | 150 | .54 | 1136 | 150 | .92 | 1313 | 150 | .90 | 126 | 165 | .62 |
| 261 | 150 | .43 | 908 | 150 | .54 | 1221 | 150 | .37 | 1911 | 150 | .33 | 130 | 165 | .10 |
| 262 | 150 | .47 | 909 | 150 | .49 | 1222 | 150 | .38 | 1913 | 150 | .39 | 131 | 165 | .98 |
| 263 | 150 | .42 | 910 | 150 | .38 | 1223 | 150 | .37 | 1914 | 150 | .36 | 135 | 165 | .05 |
| 264 | 150 | .33 | 911 | 150 | .40 | 1224 | 150 | .37 | 1915 | 150 | .41 | 136 | 165 | .05 |
| 265 | 150 | .39 | 912 | 150 | .45 | 1225 | 150 | .38 | 1916 | 150 | .39 | 201 | 165 | .15 |
| 266 | 150 | .12 | 913 | 150 | .28 | 1226 | 150 | .36 | 1917 | 150 | .40 | 202 | 165 | .05 |
| 267 | 150 | .26 | 914 | 150 | .38 | 1227 | 150 | .36 | 1918 | 150 | .41 | 203 | 165 | .06 |
| 268 | 150 | .42 | 915 | 150 | .40 | 1230 | 150 | .37 | 1921 | 150 | .40 | 204 | 165 | .01 |
| 269 | 150 | .54 | 916 | 150 | .45 | 1231 | 150 | .40 | 1923 | 150 | .40 | 205 | 165 | .21 |
| 270 | 150 | .69 | 917 | 150 | .55 | 1232 | 150 | .39 | 1924 | 150 | .41 | 206 | 165 | .03 |
| 271 | 150 | .73 | 918 | 150 | .55 | 1233 | 150 | .41 | 1925 | 150 | .40 | 207 | 165 | .06 |
| 272 | 150 | .66 | 919 | 150 | .51 | 1234 | 150 | .39 | 1926 | 150 | .41 | 208 | 165 | .03 |
| 273 | 150 | .61 | 920 | 150 | .41 | 1235 | 150 | .38 | 1927 | 150 | .40 | 209 | 165 | .03 |
| 301 | 150 | .42 | 921 | 150 | .43 | 1236 | 150 | .39 | 1928 | 150 | .40 | 210 | 165 | .08 |
| 302 | 150 | .42 | 922 | 150 | .46 | 1239 | 150 | .42 | 1930 | 150 | .39 | 211 | 165 | .12 |
| 303 | 150 | .46 | 923 | 150 | .31 | 1240 | 150 | .44 | 1932 | 150 | .40 | 212 | 165 | .16 |
| 304 | 150 | .40 | 924 | 150 | .39 | 1241 | 150 | .43 | 1933 | 150 | .41 | 213 | 165 | .02 |
| 305 | 150 | .48 | 925 | 150 | .41 | 1242 | 150 | .43 | 1934 | 150 | .41 | 214 | 165 | .04 |
| 306 | 150 | .44 | 926 | 150 | .48 | 1243 | 150 | .45 | 1935 | 150 | .41 | 215 | 165 | .21 |
| 307 | 150 | .33 | 927 | 150 | .60 | 1244 | 150 | .44 | 1936 | 150 | .40 | 216 | 165 | .19 |
| 308 | 150 | .48 | 928 | 150 | .54 | 1245 | 150 | .44 | 1937 | 150 | .40 | 217 | 165 | .03 |
| 309 | 150 | .61 | 929 | 150 | .45 | 1248 | 150 | .50 | 1939 | 150 | .41 | 218 | 165 | .23 |
| 310 | 150 | .57 | 930 | 150 | .44 | 1249 | 150 | .51 | 1941 | 150 | .41 | 219 | 165 | .27 |
| 311 | 150 | .70 | 931 | 150 | .51 | 1250 | 150 | .50 | 1942 | 150 | .39 | 220 | 165 | .04 |
| 312 | 150 | .66 | 932 | 150 | .32 | 1251 | 150 | .50 | 1943 | 150 | .40 | 221 | 165 | .12 |
| 313 | 150 | .96 | 933 | 150 | .40 | 1252 | 150 | .49 | 1944 | 150 | .41 | 222 | 165 | .24 |
| 314 | 150 | .85 | 934 | 150 | .45 | 1253 | 150 | .51 | 1945 | 150 | .40 | 223 | 165 | .29 |
| 401 | 150 | .27 | 935 | 150 | .54 | 1254 | 150 | .52 | 1946 | 150 | .41 | 224 | 165 | .34 |
| 402 | 150 | .28 | 936 | 150 | .63 | 1257 | 150 | .59 | 101 | 165 | .44 | 225 | 165 | .32 |
| 403 | 150 | .27 | 937 | 150 | .55 | 1258 | 150 | .57 | 102 | 165 | .43 | 226 | 165 | .34 |
| 404 | 150 | .28 | 938 | 150 | .48 | 1259 | 150 | .59 | 103 | 165 | .43 | 227 | 165 | .40 |
| 405 | 150 | .29 | 939 | 150 | .47 | 1260 | 150 | .60 | 104 | 165 | .42 | 228 | 165 | .39 |
| 501 | 150 | .61 | 940 | 150 | .49 | 1261 | 150 | .57 | 105 | 165 | .45 | 229 | 165 | .40 |
| 502 | 150 | .61 | 941 | 150 | .33 | 1262 | 150 | .58 | 106 | 165 | .45 | 230 | 165 | .05 |
| 503 | 150 | .58 | 942 | 150 | .54 | 1263 | 150 | .59 | 107 | 165 | .44 | 231 | 165 | .28 |
| 504 | 150 | .64 | 943 | 150 | .70 | 1265 | 150 | .61 | 108 | 165 | .43 | 232 | 165 | .36 |
| 505 | 150 | .63 | 944 | 150 | .69 | 1266 | 150 | .63 | 109 | 165 | .44 | 233 | 165 | .39 |
| 506 | 150 | .55 | 945 | 150 | .65 | 1268 | 150 | .63 | 110 | 165 | .42 | 234 | 165 | .43 |
| 507 | 150 | .52 | 946 | 150 | .62 | 1269 | 150 | .64 | 111 | 165 | .45 | 235 | 165 | .48 |
| 508 | 150 | .53 | 1107 | 150 | .39 | 1270 | 150 | .64 | 112 | 165 | .45 | 236 | 165 | .48 |
| 509 | 150 | .54 | 1108 | 150 | .39 | 1271 | 150 | .60 | 113 | 165 | .43 | 237 | 165 | .46 |
| 901 | 150 | .43 | 1109 | 150 | .41 | 1272 | 150 | .64 | 114 | 165 | .43 | 238 | 165 | .31 |
| 902 | 150 | .39 | 1110 | 150 | .40 | 1300 | 150 | .41 | 115 | 165 | .49 | 239 | 165 | .05 |
| 903 | 150 | .30 | 1111 | 150 | .40 | 1305 | 150 | .41 | 116 | 165 | .47 | 240 | 165 | .28 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION C

| TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM |
|-----|----------|--------|-----|----------|--------|------|----------|--------|------|----------|--------|-----|----------|--------|
| 241 | 165 | .35 | 402 | 165 | .32 | 936 | 165 | .57 | 1257 | 165 | .63 | 101 | 180 | .41 |
| 242 | 165 | .41 | 403 | 165 | .31 | 937 | 165 | .54 | 1258 | 165 | .63 | 102 | 180 | .42 |
| 243 | 165 | .47 | 404 | 165 | .37 | 938 | 165 | .52 | 1259 | 165 | .62 | 103 | 180 | .43 |
| 244 | 165 | .47 | 405 | 165 | .40 | 939 | 165 | .49 | 1260 | 165 | .62 | 104 | 180 | .43 |
| 245 | 165 | .49 | 501 | 165 | .63 | 940 | 165 | .53 | 1261 | 165 | .62 | 105 | 180 | .43 |
| 246 | 165 | .46 | 502 | 165 | .54 | 941 | 165 | .42 | 1262 | 165 | .61 | 106 | 180 | .43 |
| 247 | 165 | .39 | 503 | 165 | .55 | 942 | 165 | .54 | 1263 | 165 | .63 | 107 | 180 | .42 |
| 248 | 165 | .02 | 504 | 165 | .59 | 943 | 165 | .63 | 1264 | 165 | .65 | 108 | 180 | .48 |
| 249 | 165 | .26 | 505 | 165 | .61 | 944 | 165 | .73 | 1265 | 165 | .85 | 109 | 180 | .51 |
| 250 | 165 | .39 | 506 | 165 | .55 | 945 | 165 | .64 | 1266 | 165 | .90 | 110 | 180 | .53 |
| 251 | 165 | .43 | 507 | 165 | .49 | 946 | 165 | .63 | 1267 | 165 | .87 | 111 | 180 | .44 |
| 252 | 165 | .48 | 508 | 165 | .46 | 1107 | 165 | .41 | 1268 | 165 | .93 | 112 | 180 | .52 |
| 253 | 165 | .50 | 509 | 165 | .46 | 1108 | 165 | .42 | 1270 | 165 | .90 | 113 | 180 | .52 |
| 254 | 165 | .51 | 901 | 165 | .40 | 1109 | 165 | .43 | 1271 | 165 | .90 | 114 | 180 | .49 |
| 255 | 165 | .47 | 902 | 165 | .41 | 1110 | 165 | .41 | 1272 | 165 | .88 | 115 | 180 | .49 |
| 256 | 165 | .36 | 903 | 165 | .32 | 1111 | 165 | .42 | 1303 | 165 | .42 | 116 | 180 | .60 |
| 257 | 165 | .05 | 904 | 165 | .31 | 1116 | 165 | .44 | 1305 | 165 | .43 | 117 | 180 | .63 |
| 258 | 165 | .33 | 905 | 165 | .38 | 1121 | 165 | .51 | 1307 | 165 | .48 | 120 | 180 | .62 |
| 259 | 165 | .41 | 906 | 165 | .42 | 1126 | 165 | .57 | 1309 | 165 | .57 | 121 | 180 | .62 |
| 260 | 165 | .43 | 907 | 165 | .46 | 1136 | 165 | .92 | 1311 | 165 | .61 | 125 | 180 | .79 |
| 261 | 165 | .77 | 908 | 165 | .44 | 1221 | 165 | .39 | 1313 | 165 | .94 | 126 | 180 | .71 |
| 262 | 165 | .56 | 909 | 165 | .40 | 1222 | 165 | .40 | 1911 | 165 | .35 | 130 | 180 | .20 |
| 263 | 165 | .39 | 910 | 165 | .39 | 1223 | 165 | .42 | 1913 | 165 | .42 | 131 | 180 | .06 |
| 264 | 165 | .77 | 911 | 165 | .40 | 1224 | 165 | .38 | 1914 | 165 | .38 | 135 | 180 | .05 |
| 265 | 165 | .33 | 912 | 165 | .44 | 1225 | 165 | .41 | 1915 | 165 | .40 | 136 | 180 | .94 |
| 266 | 165 | .07 | 913 | 165 | .32 | 1226 | 165 | .39 | 1916 | 165 | .39 | 201 | 180 | .14 |
| 267 | 165 | .49 | 914 | 165 | .36 | 1227 | 165 | .40 | 1917 | 165 | .42 | 202 | 180 | .03 |
| 268 | 165 | .73 | 915 | 165 | .40 | 1230 | 165 | .42 | 1918 | 165 | .40 | 203 | 180 | .01 |
| 269 | 165 | .92 | 916 | 165 | .44 | 1231 | 165 | .43 | 1921 | 165 | .42 | 204 | 180 | .13 |
| 270 | 165 | .87 | 917 | 165 | .46 | 1232 | 165 | .42 | 1923 | 165 | .40 | 205 | 180 | .25 |
| 271 | 165 | .88 | 918 | 165 | .44 | 1233 | 165 | .44 | 1924 | 165 | .41 | 206 | 180 | .12 |
| 272 | 165 | .82 | 919 | 165 | .40 | 1234 | 165 | .44 | 1925 | 165 | .41 | 207 | 180 | .13 |
| 273 | 165 | .82 | 920 | 165 | .43 | 1235 | 165 | .44 | 1926 | 165 | .42 | 208 | 180 | .14 |
| 274 | 165 | .33 | 921 | 165 | .44 | 1236 | 165 | .44 | 1927 | 165 | .42 | 209 | 180 | .10 |
| 275 | 165 | .33 | 922 | 165 | .49 | 1239 | 165 | .48 | 1928 | 165 | .43 | 210 | 180 | .08 |
| 276 | 165 | .39 | 923 | 165 | .30 | 1240 | 165 | .48 | 1930 | 165 | .43 | 211 | 180 | .20 |
| 277 | 165 | .33 | 924 | 165 | .39 | 1241 | 165 | .48 | 1932 | 165 | .42 | 212 | 180 | .24 |
| 278 | 165 | .43 | 925 | 165 | .44 | 1242 | 165 | .45 | 1933 | 165 | .42 | 213 | 180 | .05 |
| 279 | 165 | .39 | 926 | 165 | .49 | 1243 | 165 | .47 | 1934 | 165 | .41 | 214 | 180 | .05 |
| 280 | 165 | .46 | 927 | 165 | .51 | 1244 | 165 | .48 | 1935 | 165 | .41 | 215 | 180 | .21 |
| 281 | 165 | .45 | 928 | 165 | .49 | 1245 | 165 | .48 | 1936 | 165 | .41 | 216 | 180 | .18 |
| 282 | 165 | .53 | 929 | 165 | .47 | 1248 | 165 | .55 | 1937 | 165 | .41 | 217 | 180 | .02 |
| 283 | 165 | .53 | 930 | 165 | .47 | 1249 | 165 | .55 | 1939 | 165 | .42 | 218 | 180 | .23 |
| 284 | 165 | .51 | 931 | 165 | .49 | 1250 | 165 | .54 | 1941 | 165 | .41 | 219 | 180 | .30 |
| 285 | 165 | .53 | 932 | 165 | .39 | 1251 | 165 | .53 | 1942 | 165 | .43 | 220 | 180 | .05 |
| 286 | 165 | .53 | 933 | 165 | .44 | 1252 | 165 | .53 | 1943 | 165 | .41 | 221 | 180 | .18 |
| 287 | 165 | .80 | 934 | 165 | .46 | 1253 | 165 | .54 | 1944 | 165 | .41 | 222 | 180 | .35 |
| 288 | 165 | .30 | 935 | 165 | .54 | 1254 | 165 | .58 | 1945 | 165 | .43 | 223 | 180 | .55 |
| 289 | 165 | .30 | | | | | | | 1946 | 165 | .43 | 224 | 180 | .34 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION C

| TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM |
|-----|----------|--------|-----|----------|--------|------|----------|--------|------|----------|--------|------|----------|--------|
| 225 | 180 | .34 | 273 | 180 | .68 | 920 | 180 | .40 | 1235 | 180 | .50 | 1927 | 180 | .50 |
| 226 | 180 | .36 | 301 | 180 | .39 | 921 | 180 | .42 | 1236 | 180 | .54 | 1928 | 180 | .54 |
| 227 | 180 | .42 | 302 | 180 | .40 | 922 | 180 | .43 | 1239 | 180 | .56 | 1930 | 180 | .56 |
| 228 | 180 | .42 | 303 | 180 | .40 | 923 | 180 | .41 | 1240 | 180 | .58 | 1932 | 180 | .58 |
| 229 | 180 | .43 | 304 | 180 | .40 | 924 | 180 | .43 | 1241 | 180 | .59 | 1933 | 180 | .59 |
| 230 | 180 | .13 | 305 | 180 | .44 | 925 | 180 | .44 | 1242 | 180 | .57 | 1934 | 180 | .57 |
| 231 | 180 | .39 | 306 | 180 | .42 | 926 | 180 | .46 | 1243 | 180 | .62 | 1935 | 180 | .62 |
| 232 | 180 | .45 | 307 | 180 | .46 | 927 | 180 | .47 | 1244 | 180 | .59 | 1936 | 180 | .59 |
| 233 | 180 | .46 | 308 | 180 | .47 | 928 | 180 | .49 | 1245 | 180 | .61 | 1937 | 180 | .61 |
| 234 | 180 | .46 | 309 | 180 | .54 | 929 | 180 | .48 | 1248 | 180 | .69 | 1939 | 180 | .69 |
| 235 | 180 | .46 | 310 | 180 | .56 | 930 | 180 | .47 | 1249 | 180 | .67 | 1941 | 180 | .67 |
| 236 | 180 | .46 | 311 | 180 | .63 | 931 | 180 | .49 | 1250 | 180 | .68 | 1942 | 180 | .68 |
| 237 | 180 | .46 | 312 | 180 | .63 | 932 | 180 | .45 | 1251 | 180 | .66 | 1943 | 180 | .66 |
| 238 | 180 | .35 | 313 | 180 | .85 | 933 | 180 | .49 | 1252 | 180 | .69 | 1944 | 180 | .69 |
| 239 | 180 | .14 | 314 | 180 | .81 | 934 | 180 | .48 | 1253 | 180 | .71 | 1945 | 180 | .71 |
| 240 | 180 | .38 | 401 | 180 | .38 | 935 | 180 | .51 | 1254 | 180 | .67 | 1946 | 180 | .67 |
| 241 | 180 | .46 | 402 | 180 | .39 | 936 | 180 | .58 | 1257 | 180 | .77 | 101 | 195 | .77 |
| 242 | 180 | .47 | 403 | 180 | .40 | 937 | 180 | .51 | 1258 | 180 | .80 | 102 | 195 | .80 |
| 243 | 180 | .51 | 404 | 180 | .46 | 938 | 180 | .55 | 1259 | 180 | .75 | 103 | 195 | .75 |
| 244 | 180 | .52 | 405 | 180 | .50 | 939 | 180 | .55 | 1260 | 180 | .77 | 104 | 195 | .77 |
| 245 | 180 | .49 | 501 | 180 | .63 | 940 | 180 | .56 | 1261 | 180 | .76 | 105 | 195 | .76 |
| 246 | 180 | .51 | 502 | 180 | .55 | 941 | 180 | .51 | 1262 | 180 | .77 | 106 | 195 | .77 |
| 247 | 180 | .46 | 503 | 180 | .48 | 942 | 180 | .57 | 1263 | 180 | .76 | 107 | 195 | .76 |
| 248 | 180 | .08 | 504 | 180 | .54 | 943 | 180 | .60 | 1266 | 180 | .76 | 108 | 195 | .76 |
| 249 | 180 | .36 | 505 | 180 | .59 | 944 | 180 | .72 | 1267 | 180 | .77 | 109 | 195 | .77 |
| 250 | 180 | .46 | 506 | 180 | .56 | 945 | 180 | .74 | 1268 | 180 | .74 | 110 | 195 | .74 |
| 251 | 180 | .55 | 507 | 180 | .56 | 946 | 180 | .59 | 1269 | 180 | .76 | 111 | 195 | .76 |
| 252 | 180 | .54 | 508 | 180 | .49 | 1107 | 180 | .52 | 1270 | 180 | .77 | 112 | 195 | .77 |
| 253 | 180 | .56 | 509 | 180 | .44 | 1108 | 180 | .52 | 1271 | 180 | .76 | 113 | 195 | .76 |
| 254 | 180 | .51 | 901 | 180 | .37 | 1109 | 180 | .49 | 1272 | 180 | .76 | 114 | 195 | .76 |
| 255 | 180 | .55 | 902 | 180 | .32 | 1110 | 180 | .52 | 1303 | 180 | .51 | 115 | 195 | .51 |
| 256 | 180 | .36 | 903 | 180 | .39 | 1111 | 180 | .50 | 1305 | 180 | .57 | 116 | 195 | .57 |
| 257 | 180 | .07 | 904 | 180 | .36 | 1112 | 180 | .55 | 1307 | 180 | .61 | 117 | 195 | .61 |
| 258 | 180 | .43 | 905 | 180 | .36 | 1113 | 180 | .62 | 1309 | 180 | .72 | 118 | 195 | .72 |
| 259 | 180 | .52 | 906 | 180 | .38 | 1114 | 180 | .70 | 1311 | 180 | .76 | 119 | 195 | .76 |
| 260 | 180 | .59 | 907 | 180 | .42 | 1115 | 180 | .78 | 1313 | 180 | .76 | 120 | 195 | .76 |
| 261 | 180 | .60 | 908 | 180 | .43 | 1221 | 180 | .49 | 1911 | 180 | .43 | 126 | 195 | .43 |
| 262 | 180 | .63 | 909 | 180 | .42 | 1222 | 180 | .53 | 1913 | 180 | .52 | 131 | 195 | .52 |
| 263 | 180 | .60 | 910 | 180 | .36 | 1223 | 180 | .49 | 1914 | 180 | .48 | 135 | 195 | .48 |
| 264 | 180 | .60 | 911 | 180 | .34 | 1224 | 180 | .52 | 1915 | 180 | .51 | 136 | 195 | .51 |
| 265 | 180 | .41 | 912 | 180 | .38 | 1225 | 180 | .51 | 1916 | 180 | .49 | 201 | 195 | .49 |
| 266 | 180 | .19 | 913 | 180 | .35 | 1226 | 180 | .49 | 1917 | 180 | .50 | 202 | 195 | .50 |
| 267 | 180 | .69 | 914 | 180 | .35 | 1227 | 180 | .48 | 1918 | 180 | .53 | 203 | 195 | .53 |
| 268 | 180 | .85 | 915 | 180 | .37 | 1230 | 180 | .57 | 1921 | 180 | .52 | 204 | 195 | .52 |
| 269 | 180 | .93 | 916 | 180 | .41 | 1231 | 180 | .53 | 1923 | 180 | .51 | 205 | 195 | .51 |
| 270 | 180 | .92 | 917 | 180 | .41 | 1232 | 180 | .53 | 1924 | 180 | .54 | 206 | 195 | .54 |
| 271 | 180 | .98 | 918 | 180 | .44 | 1233 | 180 | .52 | 1925 | 180 | .51 | 207 | 195 | .51 |
| 272 | 180 | .91 | 919 | 180 | .43 | 1234 | 180 | .53 | 1926 | 180 | .51 | 208 | 195 | .51 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION C

| TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM |
|-----|----------|--------|-----|----------|--------|------|----------|--------|------|----------|--------|------|----------|--------|
| 209 | 195 | .19 | 257 | 195 | .16 | 904 | 195 | -.29 | 1116 | 195 | -.60 | 1307 | 195 | -.60 |
| 210 | 195 | .02 | 258 | 195 | .53 | 905 | 195 | -.34 | 1121 | 195 | -.65 | 1309 | 195 | -.73 |
| 211 | 195 | .30 | 259 | 195 | .37 | 906 | 195 | -.37 | 1126 | 195 | -.74 | 1311 | 195 | -.70 |
| 212 | 195 | .28 | 260 | 195 | .39 | 907 | 195 | -.37 | 1136 | 195 | -.94 | 1313 | 195 | -.18 |
| 213 | 195 | .04 | 261 | 195 | .39 | 908 | 195 | -.38 | 1221 | 195 | -.51 | 1911 | 195 | -.45 |
| 214 | 195 | .04 | 262 | 195 | .38 | 909 | 195 | -.42 | 1222 | 195 | -.50 | 1913 | 195 | -.51 |
| 215 | 195 | .18 | 263 | 195 | .54 | 910 | 195 | -.39 | 1223 | 195 | -.52 | 1914 | 195 | -.51 |
| 216 | 195 | .10 | 264 | 195 | .54 | 911 | 195 | -.30 | 1224 | 195 | -.53 | 1915 | 195 | -.50 |
| 217 | 195 | .03 | 265 | 195 | .35 | 912 | 195 | -.28 | 1225 | 195 | -.51 | 1916 | 195 | -.49 |
| 218 | 195 | .26 | 266 | 195 | .29 | 913 | 195 | -.29 | 1226 | 195 | -.48 | 1917 | 195 | -.53 |
| 219 | 195 | .30 | 267 | 195 | .79 | 914 | 195 | -.29 | 1227 | 195 | -.50 | 1918 | 195 | -.51 |
| 220 | 195 | .01 | 268 | 195 | .89 | 915 | 195 | -.34 | 1230 | 195 | -.52 | 1921 | 195 | -.54 |
| 221 | 195 | .28 | 269 | 195 | .92 | 916 | 195 | -.35 | 1231 | 195 | -.53 | 1923 | 195 | -.51 |
| 222 | 195 | .37 | 270 | 195 | .88 | 917 | 195 | -.38 | 1232 | 195 | -.54 | 1924 | 195 | -.54 |
| 223 | 195 | .35 | 271 | 195 | .83 | 918 | 195 | -.40 | 1233 | 195 | -.54 | 1925 | 195 | -.55 |
| 224 | 195 | .35 | 272 | 195 | .81 | 919 | 195 | -.41 | 1234 | 195 | -.56 | 1926 | 195 | -.51 |
| 225 | 195 | .33 | 273 | 195 | .75 | 920 | 195 | -.40 | 1235 | 195 | -.54 | 1927 | 195 | -.53 |
| 226 | 195 | .34 | 301 | 195 | -.36 | 921 | 195 | -.34 | 1236 | 195 | -.55 | 1928 | 195 | -.53 |
| 227 | 195 | .34 | 302 | 195 | -.39 | 922 | 195 | -.33 | 1239 | 195 | -.62 | 1930 | 195 | -.54 |
| 228 | 195 | .36 | 303 | 195 | -.39 | 923 | 195 | -.33 | 1240 | 195 | -.61 | 1932 | 195 | -.54 |
| 229 | 195 | .29 | 304 | 195 | -.38 | 924 | 195 | -.33 | 1241 | 195 | -.62 | 1933 | 195 | -.53 |
| 230 | 195 | .28 | 305 | 195 | -.38 | 925 | 195 | -.39 | 1242 | 195 | -.60 | 1934 | 195 | -.53 |
| 231 | 195 | .44 | 306 | 195 | -.40 | 926 | 195 | -.38 | 1243 | 195 | -.59 | 1935 | 195 | -.51 |
| 232 | 195 | .47 | 307 | 195 | -.41 | 927 | 195 | -.39 | 1244 | 195 | -.57 | 1936 | 195 | -.55 |
| 233 | 195 | .47 | 308 | 195 | -.41 | 928 | 195 | -.40 | 1245 | 195 | -.59 | 1937 | 195 | -.53 |
| 234 | 195 | .47 | 309 | 195 | -.44 | 929 | 195 | -.42 | 1248 | 195 | -.69 | 1939 | 195 | -.51 |
| 235 | 195 | .43 | 310 | 195 | -.42 | 930 | 195 | -.37 | 1249 | 195 | -.70 | 1941 | 195 | -.54 |
| 236 | 195 | .39 | 311 | 195 | -.48 | 931 | 195 | -.36 | 1250 | 195 | -.71 | 1942 | 195 | -.53 |
| 237 | 195 | .33 | 312 | 195 | -.48 | 932 | 195 | -.42 | 1251 | 195 | -.71 | 1943 | 195 | -.54 |
| 238 | 195 | .29 | 313 | 195 | -.66 | 933 | 195 | -.39 | 1252 | 195 | -.71 | 1944 | 195 | -.56 |
| 239 | 195 | .24 | 314 | 195 | -.69 | 934 | 195 | -.45 | 1253 | 195 | -.67 | 1945 | 195 | -.51 |
| 240 | 195 | .48 | 401 | 195 | -.25 | 935 | 195 | -.43 | 1254 | 195 | -.68 | 1946 | 195 | -.54 |
| 241 | 195 | .52 | 402 | 195 | -.29 | 936 | 195 | -.45 | 1257 | 195 | -.80 | 101 | 210 | -.33 |
| 242 | 195 | .49 | 403 | 195 | -.34 | 937 | 195 | -.42 | 1258 | 195 | -.87 | 102 | 210 | -.25 |
| 243 | 195 | .46 | 404 | 195 | -.43 | 938 | 195 | -.44 | 1259 | 195 | -.79 | 103 | 210 | -.23 |
| 244 | 195 | .44 | 405 | 195 | -.67 | 939 | 195 | -.41 | 1260 | 195 | -.77 | 104 | 210 | -.22 |
| 245 | 195 | .42 | 501 | 195 | -.49 | 940 | 195 | -.47 | 1261 | 195 | -.76 | 105 | 210 | -.23 |
| 246 | 195 | .43 | 502 | 195 | -.43 | 941 | 195 | -.65 | 1262 | 195 | -.76 | 106 | 210 | -.36 |
| 247 | 195 | .33 | 503 | 195 | -.43 | 942 | 195 | -.57 | 1263 | 195 | -.75 | 107 | 210 | -.27 |
| 248 | 195 | .23 | 504 | 195 | -.42 | 943 | 195 | -.55 | 1266 | 195 | -.18 | 108 | 210 | -.11 |
| 249 | 195 | .45 | 505 | 195 | -.53 | 944 | 195 | -.60 | 1267 | 195 | -.13 | 109 | 210 | -.09 |
| 250 | 195 | .51 | 506 | 195 | -.45 | 945 | 195 | -.64 | 1268 | 195 | -.10 | 110 | 210 | -.06 |
| 251 | 195 | .54 | 507 | 195 | -.39 | 946 | 195 | -.58 | 1269 | 195 | -.11 | 111 | 210 | -.35 |
| 252 | 195 | .55 | 508 | 195 | -.39 | 1107 | 195 | -.54 | 1270 | 195 | -.08 | 112 | 210 | -.11 |
| 253 | 195 | .50 | 509 | 195 | -.39 | 1108 | 195 | -.51 | 1271 | 195 | -.03 | 113 | 210 | -.11 |
| 254 | 195 | .46 | 901 | 195 | -.37 | 1109 | 195 | -.50 | 1272 | 195 | -.08 | 114 | 210 | -.10 |
| 255 | 195 | .49 | 902 | 195 | -.22 | 1110 | 195 | -.52 | 1303 | 195 | -.55 | 115 | 210 | -.45 |
| 256 | 195 | .28 | 903 | 195 | -.27 | 1111 | 195 | -.55 | 1305 | 195 | -.55 | 116 | 210 | -.52 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG
CONFIGURATION C

| TAP | AZI- MUTH | ANSCPM | TAP | AZI- MUTH | ANSCPM | TAP | AZI- MUTH | ANSCPM | TAP | AZI- MUTH | ANSCPM | TAP | AZI- MUTH | ANSCPM |
|-----|--------------|--------|-----|--------------|--------|-----|--------------|--------|------|--------------|--------|------|--------------|--------|
| 120 | 210 | .44 | 241 | 210 | .46 | 402 | 210 | .33 | 936 | 210 | .32 | 1257 | 210 | .16 |
| 121 | 210 | .64 | 242 | 210 | .42 | 403 | 210 | .41 | 937 | 210 | .29 | 1258 | 210 | .15 |
| 125 | 210 | .57 | 243 | 210 | .38 | 404 | 210 | .40 | 938 | 210 | .71 | 1259 | 210 | .12 |
| 126 | 210 | .69 | 244 | 210 | .32 | 405 | 210 | .44 | 939 | 210 | .84 | 1260 | 210 | .18 |
| 130 | 210 | .82 | 245 | 210 | .28 | 501 | 210 | .31 | 940 | 210 | .39 | 1261 | 210 | .09 |
| 131 | 210 | -1.17 | 246 | 210 | .28 | 502 | 210 | .28 | 941 | 210 | .54 | 1262 | 210 | .10 |
| 135 | 210 | .95 | 247 | 210 | .21 | 503 | 210 | .27 | 942 | 210 | .34 | 1263 | 210 | .15 |
| 136 | 210 | -1.13 | 248 | 210 | .43 | 504 | 210 | .25 | 943 | 210 | .37 | 1266 | 210 | .17 |
| 201 | 210 | .17 | 249 | 210 | .44 | 505 | 210 | .35 | 944 | 210 | .38 | 1267 | 210 | .26 |
| 202 | 210 | .08 | 250 | 210 | .48 | 506 | 210 | .29 | 945 | 210 | .40 | 1268 | 210 | .19 |
| 203 | 210 | .13 | 251 | 210 | .44 | 507 | 210 | .28 | 946 | 210 | .38 | 1269 | 210 | .21 |
| 204 | 210 | .39 | 252 | 210 | .42 | 508 | 210 | .33 | 1107 | 210 | .08 | 1270 | 210 | .21 |
| 205 | 210 | .24 | 253 | 210 | .34 | 509 | 210 | .34 | 1108 | 210 | .12 | 1271 | 210 | .18 |
| 206 | 210 | .20 | 254 | 210 | .32 | 901 | 210 | .45 | 1109 | 210 | .15 | 1272 | 210 | .22 |
| 207 | 210 | .12 | 255 | 210 | .34 | 902 | 210 | .43 | 1110 | 210 | .14 | 1303 | 210 | .10 |
| 208 | 210 | .17 | 256 | 210 | .21 | 903 | 210 | .30 | 1111 | 210 | .11 | 1305 | 210 | .11 |
| 209 | 210 | .18 | 257 | 210 | .41 | 904 | 210 | .32 | 1116 | 210 | .04 | 1307 | 210 | .10 |
| 210 | 210 | .29 | 258 | 210 | .51 | 905 | 210 | .33 | 1121 | 210 | .11 | 1308 | 210 | .12 |
| 211 | 210 | .37 | 259 | 210 | .53 | 906 | 210 | .40 | 1126 | 210 | .16 | 1311 | 210 | .12 |
| 212 | 210 | .26 | 260 | 210 | .54 | 907 | 210 | .42 | 1136 | 210 | .08 | 1313 | 210 | .24 |
| 213 | 210 | .04 | 261 | 210 | .46 | 908 | 210 | .45 | 1221 | 210 | .09 | 1911 | 210 | .02 |
| 214 | 210 | .02 | 262 | 210 | .41 | 909 | 210 | .47 | 1222 | 210 | .10 | 1913 | 210 | .07 |
| 215 | 210 | .12 | 263 | 210 | .37 | 910 | 210 | .46 | 1223 | 210 | .11 | 1914 | 210 | .07 |
| 216 | 210 | .05 | 264 | 210 | .40 | 911 | 210 | .48 | 1224 | 210 | .09 | 1915 | 210 | .13 |
| 217 | 210 | .04 | 265 | 210 | .27 | 912 | 210 | .49 | 1225 | 210 | .10 | 1916 | 210 | .10 |
| 218 | 210 | .24 | 266 | 210 | .64 | 913 | 210 | .31 | 1226 | 210 | .07 | 1917 | 210 | .10 |
| 219 | 210 | .21 | 267 | 210 | .86 | 914 | 210 | .30 | 1227 | 210 | .13 | 1918 | 210 | .11 |
| 220 | 210 | .30 | 268 | 210 | .83 | 915 | 210 | .33 | 1230 | 210 | .13 | 1921 | 210 | .11 |
| 221 | 210 | .43 | 269 | 210 | .75 | 916 | 210 | .34 | 1231 | 210 | .10 | 1923 | 210 | .12 |
| 222 | 210 | .36 | 270 | 210 | .73 | 917 | 210 | .36 | 1232 | 210 | .09 | 1924 | 210 | .16 |
| 223 | 210 | .31 | 271 | 210 | .80 | 918 | 210 | .41 | 1233 | 210 | .09 | 1925 | 210 | .15 |
| 224 | 210 | .29 | 272 | 210 | .53 | 919 | 210 | .44 | 1234 | 210 | .07 | 1926 | 210 | .12 |
| 225 | 210 | .27 | 273 | 210 | .52 | 920 | 210 | .55 | 1235 | 210 | .11 | 1927 | 210 | .11 |
| 226 | 210 | .24 | 301 | 210 | .41 | 921 | 210 | .61 | 1236 | 210 | .10 | 1928 | 210 | .10 |
| 227 | 210 | .25 | 302 | 210 | .40 | 922 | 210 | .61 | 1239 | 210 | .10 | 1930 | 210 | .13 |
| 228 | 210 | .19 | 303 | 210 | .42 | 923 | 210 | .62 | 1240 | 210 | .12 | 1932 | 210 | .11 |
| 229 | 210 | .18 | 304 | 210 | .40 | 924 | 210 | .64 | 1241 | 210 | .10 | 1933 | 210 | .11 |
| 230 | 210 | .41 | 305 | 210 | .45 | 925 | 210 | .26 | 1242 | 210 | .12 | 1934 | 210 | .12 |
| 231 | 210 | .46 | 306 | 210 | .44 | 926 | 210 | .30 | 1243 | 210 | .12 | 1935 | 210 | .11 |
| 232 | 210 | .42 | 307 | 210 | .45 | 927 | 210 | .31 | 1244 | 210 | .11 | 1936 | 210 | .11 |
| 233 | 210 | .39 | 308 | 210 | .45 | 928 | 210 | .33 | 1245 | 210 | .12 | 1937 | 210 | .12 |
| 234 | 210 | .35 | 309 | 210 | .50 | 929 | 210 | .65 | 1246 | 210 | .12 | 1939 | 210 | .10 |
| 235 | 210 | .31 | 310 | 210 | .48 | 930 | 210 | .73 | 1249 | 210 | .11 | 1941 | 210 | .12 |
| 236 | 210 | .22 | 311 | 210 | .53 | 931 | 210 | .55 | 1250 | 210 | .16 | 1942 | 210 | .11 |
| 237 | 210 | .14 | 312 | 210 | .52 | 932 | 210 | .32 | 1251 | 210 | .12 | 1943 | 210 | .10 |
| 238 | 210 | .16 | 313 | 210 | .78 | 933 | 210 | .18 | 1252 | 210 | .11 | 1944 | 210 | .11 |
| 239 | 210 | .42 | 314 | 210 | .75 | 934 | 210 | .26 | 1253 | 210 | .10 | 1945 | 210 | .10 |
| 240 | 210 | .47 | 401 | 210 | .27 | 935 | 210 | .29 | 1254 | 210 | .10 | 1946 | 210 | .10 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION C

| TAP | AZI-MUTH | ANSCPH | TAP | AZI-MUTH | ANSCPH | TAP | AZI-MUTH | ANSCPH | TAP | AZI-MUTH | ANSCPH | TAP | AZI-MUTH | ANSCPH |
|-----|----------|--------|-----|----------|--------|-----|----------|--------|------|----------|--------|------|----------|--------|
| 101 | 225 | .33 | 225 | 225 | .17 | 273 | 225 | .27 | 920 | 225 | .67 | 1235 | 225 | .22 |
| 102 | 225 | .24 | 226 | 225 | .16 | 301 | 225 | .48 | 921 | 225 | .68 | 1236 | 225 | .23 |
| 103 | 225 | .19 | 227 | 225 | .10 | 302 | 225 | .47 | 922 | 225 | .67 | 1239 | 225 | .26 |
| 104 | 225 | .18 | 228 | 225 | .02 | 303 | 225 | .46 | 923 | 225 | .47 | 1240 | 225 | .26 |
| 105 | 225 | .18 | 229 | 225 | .45 | 304 | 225 | .46 | 924 | 225 | .36 | 1241 | 225 | .27 |
| 106 | 225 | .36 | 230 | 225 | .45 | 305 | 225 | .49 | 925 | 225 | .18 | 1242 | 225 | .25 |
| 107 | 225 | .20 | 231 | 225 | .41 | 306 | 225 | .49 | 926 | 225 | .18 | 1243 | 225 | .26 |
| 108 | 225 | .00 | 232 | 225 | .34 | 307 | 225 | .51 | 927 | 225 | .18 | 1244 | 225 | .27 |
| 109 | 225 | .09 | 233 | 225 | .27 | 308 | 225 | .53 | 928 | 225 | .28 | 1245 | 225 | .26 |
| 110 | 225 | .15 | 234 | 225 | .21 | 309 | 225 | .58 | 929 | 225 | .76 | 1248 | 225 | .30 |
| 111 | 225 | .56 | 235 | 225 | .17 | 310 | 225 | .61 | 930 | 225 | .81 | 1249 | 225 | .30 |
| 112 | 225 | .07 | 236 | 225 | .07 | 311 | 225 | .64 | 931 | 225 | .89 | 1250 | 225 | .32 |
| 113 | 225 | .11 | 237 | 225 | .03 | 312 | 225 | .67 | 932 | 225 | .50 | 1251 | 225 | .29 |
| 114 | 225 | .11 | 238 | 225 | .46 | 313 | 225 | .93 | 933 | 225 | .17 | 1252 | 225 | .30 |
| 115 | 225 | .17 | 239 | 225 | .49 | 314 | 225 | .93 | 934 | 225 | .10 | 1253 | 225 | .31 |
| 116 | 225 | .85 | 240 | 225 | .43 | 401 | 225 | .31 | 935 | 225 | .13 | 1254 | 225 | .32 |
| 117 | 225 | .50 | 241 | 225 | .37 | 402 | 225 | .39 | 936 | 225 | .13 | 1257 | 225 | .35 |
| 118 | 225 | .00 | 242 | 225 | .29 | 403 | 225 | .47 | 937 | 225 | .11 | 1258 | 225 | .34 |
| 119 | 225 | .70 | 243 | 225 | .23 | 404 | 225 | .62 | 938 | 225 | .85 | 1259 | 225 | .35 |
| 120 | 225 | .07 | 244 | 225 | .19 | 405 | 225 | .57 | 939 | 225 | .95 | 1260 | 225 | .37 |
| 121 | 225 | .12 | 245 | 225 | .15 | 501 | 225 | .10 | 940 | 225 | .06 | 1261 | 225 | .32 |
| 122 | 225 | .64 | 246 | 225 | .17 | 502 | 225 | .12 | 941 | 225 | .61 | 1262 | 225 | .37 |
| 123 | 225 | .20 | 247 | 225 | .45 | 503 | 225 | .14 | 942 | 225 | .28 | 1263 | 225 | .33 |
| 124 | 225 | .39 | 248 | 225 | .49 | 504 | 225 | .13 | 943 | 225 | .22 | 1266 | 225 | .46 |
| 200 | 225 | .19 | 249 | 225 | .46 | 505 | 225 | .17 | 944 | 225 | .15 | 1267 | 225 | .46 |
| 201 | 225 | .07 | 250 | 225 | .37 | 506 | 225 | .10 | 945 | 225 | .21 | 1268 | 225 | .47 |
| 202 | 225 | .18 | 251 | 225 | .32 | 507 | 225 | .12 | 946 | 225 | .18 | 1269 | 225 | .47 |
| 203 | 225 | .39 | 252 | 225 | .25 | 508 | 225 | .24 | 1107 | 225 | .24 | 1270 | 225 | .46 |
| 204 | 225 | .21 | 253 | 225 | .20 | 509 | 225 | .29 | 1108 | 225 | .21 | 1271 | 225 | .48 |
| 205 | 225 | .25 | 254 | 225 | .20 | 901 | 225 | .59 | 1109 | 225 | .20 | 1272 | 225 | .48 |
| 206 | 225 | .05 | 255 | 225 | .22 | 902 | 225 | .62 | 1110 | 225 | .20 | 1303 | 225 | .21 |
| 207 | 225 | .15 | 256 | 225 | .52 | 903 | 225 | .36 | 1111 | 225 | .23 | 1305 | 225 | .24 |
| 208 | 225 | .07 | 257 | 225 | .54 | 904 | 225 | .41 | 1116 | 225 | .31 | 1307 | 225 | .27 |
| 209 | 225 | .38 | 258 | 225 | .48 | 905 | 225 | .35 | 1121 | 225 | .33 | 1309 | 225 | .29 |
| 210 | 225 | .32 | 259 | 225 | .43 | 906 | 225 | .39 | 1126 | 225 | .28 | 1311 | 225 | .38 |
| 211 | 225 | .17 | 260 | 225 | .37 | 907 | 225 | .45 | 1136 | 225 | .52 | 1313 | 225 | .47 |
| 212 | 225 | .03 | 261 | 225 | .31 | 908 | 225 | .54 | 1221 | 225 | .22 | 1911 | 225 | .32 |
| 213 | 225 | .02 | 262 | 225 | .24 | 909 | 225 | .49 | 1222 | 225 | .22 | 1913 | 225 | .26 |
| 214 | 225 | .10 | 263 | 225 | .21 | 910 | 225 | .57 | 1223 | 225 | .20 | 1914 | 225 | .24 |
| 215 | 225 | .04 | 264 | 225 | .27 | 911 | 225 | .55 | 1224 | 225 | .21 | 1915 | 225 | .21 |
| 216 | 225 | .03 | 265 | 225 | .66 | 912 | 225 | .59 | 1225 | 225 | .22 | 1916 | 225 | .22 |
| 217 | 225 | .01 | 266 | 225 | .70 | 913 | 225 | .41 | 1226 | 225 | .25 | 1917 | 225 | .21 |
| 218 | 225 | .02 | 267 | 225 | .73 | 914 | 225 | .51 | 1227 | 225 | .22 | 1918 | 225 | .20 |
| 219 | 225 | .43 | 268 | 225 | .64 | 915 | 225 | .30 | 1230 | 225 | .22 | 1921 | 225 | .23 |
| 220 | 225 | .41 | 269 | 225 | .52 | 916 | 225 | .32 | 1231 | 225 | .24 | 1923 | 225 | .23 |
| 221 | 225 | .31 | 270 | 225 | .47 | 917 | 225 | .36 | 1232 | 225 | .22 | 1924 | 225 | .20 |
| 222 | 225 | .24 | 271 | 225 | .39 | 918 | 225 | .47 | 1233 | 225 | .21 | 1925 | 225 | .20 |
| 223 | 225 | .21 | 272 | 225 | .24 | 919 | 225 | .49 | 1234 | 225 | .22 | 1926 | 225 | .23 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION C

| TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM |
|------|----------|--------|-----|----------|--------|-----|----------|--------|------|----------|--------|------|----------|--------|
| 1927 | 225 | .21 | 209 | 240 | -.06 | 257 | 240 | .02 | 904 | 240 | -.48 | 1116 | 240 | .47 |
| 1928 | 225 | .19 | 210 | 240 | -.11 | 258 | 240 | .13 | 905 | 240 | -.47 | 1121 | 240 | .48 |
| 1930 | 225 | .20 | 211 | 240 | -.03 | 259 | 240 | .16 | 906 | 240 | -.44 | 1126 | 240 | .50 |
| 1932 | 225 | .19 | 212 | 240 | -.01 | 260 | 240 | .11 | 907 | 240 | -.46 | 1136 | 240 | .73 |
| 1933 | 225 | .19 | 213 | 240 | -.05 | 261 | 240 | .08 | 908 | 240 | -.56 | 1221 | 240 | .34 |
| 1934 | 225 | .23 | 214 | 240 | -.03 | 262 | 240 | -.02 | 909 | 240 | -.49 | 1222 | 240 | .34 |
| 1935 | 225 | .22 | 215 | 240 | -.06 | 263 | 240 | -.00 | 910 | 240 | -.55 | 1223 | 240 | .37 |
| 1936 | 225 | .20 | 216 | 240 | -.02 | 264 | 240 | .08 | 911 | 240 | -.55 | 1224 | 240 | .33 |
| 1937 | 225 | .21 | 217 | 240 | -.00 | 265 | 240 | .10 | 912 | 240 | -.65 | 1225 | 240 | .36 |
| 1939 | 225 | .22 | 218 | 240 | -.05 | 266 | 240 | .13 | 913 | 240 | -.33 | 1226 | 240 | .35 |
| 1941 | 225 | .21 | 219 | 240 | -.19 | 267 | 240 | .25 | 914 | 240 | -.59 | 1227 | 240 | .37 |
| 1942 | 225 | .20 | 220 | 240 | -.09 | 268 | 240 | .28 | 915 | 240 | -.47 | 1230 | 240 | .38 |
| 1943 | 225 | .20 | 221 | 240 | -.02 | 269 | 240 | .20 | 916 | 240 | -.27 | 1231 | 240 | .37 |
| 1944 | 225 | .21 | 222 | 240 | .12 | 270 | 240 | .15 | 917 | 240 | -.32 | 1232 | 240 | .38 |
| 1945 | 225 | .21 | 223 | 240 | .10 | 271 | 240 | .05 | 918 | 240 | -.42 | 1233 | 240 | .38 |
| 1946 | 225 | .21 | 224 | 240 | .08 | 272 | 240 | -.04 | 919 | 240 | -.50 | 1234 | 240 | .38 |
| 101 | 240 | -.24 | 225 | 240 | .05 | 273 | 240 | -.00 | 920 | 240 | -.69 | 1235 | 240 | .37 |
| 102 | 240 | -.12 | 226 | 240 | -.02 | 301 | 240 | -.44 | 921 | 240 | -.67 | 1236 | 240 | .37 |
| 103 | 240 | -.08 | 227 | 240 | -.07 | 302 | 240 | -.45 | 922 | 240 | -.73 | 1239 | 240 | .39 |
| 104 | 240 | -.07 | 228 | 240 | -.18 | 303 | 240 | -.47 | 923 | 240 | -.43 | 1240 | 240 | .41 |
| 105 | 240 | -.09 | 229 | 240 | -.04 | 304 | 240 | -.43 | 924 | 240 | -.71 | 1241 | 240 | .40 |
| 106 | 240 | -.26 | 230 | 240 | .05 | 305 | 240 | -.50 | 925 | 240 | -.28 | 1242 | 240 | .41 |
| 107 | 240 | -.05 | 231 | 240 | .15 | 306 | 240 | -.47 | 926 | 240 | -.08 | 1243 | 240 | .45 |
| 108 | 240 | -.20 | 232 | 240 | .14 | 307 | 240 | -.53 | 927 | 240 | -.19 | 1244 | 240 | .42 |
| 109 | 240 | -.27 | 233 | 240 | .10 | 308 | 240 | -.50 | 928 | 240 | -.13 | 1245 | 240 | .44 |
| 110 | 240 | -.32 | 234 | 240 | .06 | 309 | 240 | -.59 | 929 | 240 | -.79 | 1248 | 240 | .49 |
| 111 | 240 | -.26 | 235 | 240 | .00 | 310 | 240 | -.58 | 930 | 240 | -.80 | 1249 | 240 | .48 |
| 112 | 240 | -.09 | 236 | 240 | -.09 | 311 | 240 | -.71 | 931 | 240 | -.82 | 1250 | 240 | .48 |
| 113 | 240 | -.28 | 237 | 240 | -.18 | 312 | 240 | -.65 | 932 | 240 | -.61 | 1251 | 240 | .49 |
| 114 | 240 | -.36 | 238 | 240 | -.02 | 313 | 240 | -.90 | 933 | 240 | -.61 | 1252 | 240 | .47 |
| 115 | 240 | -.39 | 239 | 240 | -.07 | 314 | 240 | -.92 | 934 | 240 | -.66 | 1253 | 240 | .51 |
| 116 | 240 | -.51 | 240 | 240 | .15 | 401 | 240 | -.28 | 935 | 240 | -.01 | 1254 | 240 | .48 |
| 120 | 240 | -.39 | 241 | 240 | .15 | 402 | 240 | -.31 | 936 | 240 | -.60 | 1257 | 240 | .56 |
| 121 | 240 | -.81 | 242 | 240 | .10 | 403 | 240 | -.42 | 937 | 240 | -.12 | 1258 | 240 | .54 |
| 125 | 240 | -.70 | 243 | 240 | .05 | 404 | 240 | -.67 | 938 | 240 | -.91 | 1259 | 240 | .57 |
| 126 | 240 | -.99 | 244 | 240 | .01 | 405 | 240 | -.63 | 939 | 240 | -.95 | 1260 | 240 | .57 |
| 130 | 240 | -.19 | 245 | 240 | -.02 | 501 | 240 | .13 | 940 | 240 | -.66 | 1261 | 240 | .59 |
| 131 | 240 | -.42 | 246 | 240 | -.03 | 502 | 240 | .10 | 941 | 240 | -.90 | 1262 | 240 | .55 |
| 135 | 240 | -.15 | 247 | 240 | -.02 | 503 | 240 | .08 | 942 | 240 | -.51 | 1263 | 240 | .56 |
| 136 | 240 | -.32 | 248 | 240 | -.01 | 504 | 240 | .08 | 943 | 240 | -.10 | 1266 | 240 | .75 |
| 201 | 240 | -.31 | 249 | 240 | .16 | 505 | 240 | .10 | 944 | 240 | -.04 | 1267 | 240 | .80 |
| 202 | 240 | -.12 | 250 | 240 | .14 | 506 | 240 | .11 | 945 | 240 | -.02 | 1268 | 240 | .74 |
| 203 | 240 | -.21 | 251 | 240 | .10 | 507 | 240 | .06 | 946 | 240 | .10 | 1269 | 240 | .79 |
| 204 | 240 | -.09 | 252 | 240 | .06 | 508 | 240 | -.09 | 1107 | 240 | .40 | 1270 | 240 | .82 |
| 205 | 240 | -.01 | 253 | 240 | .03 | 509 | 240 | -.16 | 1108 | 240 | .39 | 1271 | 240 | .74 |
| 206 | 240 | -.01 | 254 | 240 | .02 | 901 | 240 | -.54 | 1109 | 240 | .34 | 1272 | 240 | .80 |
| 207 | 240 | -.02 | 255 | 240 | .11 | 902 | 240 | -.63 | 1110 | 240 | .36 | 1303 | 240 | .40 |
| 208 | 240 | .05 | 256 | 240 | -.01 | 903 | 240 | -.28 | 1111 | 240 | .40 | 1305 | 240 | .42 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION C

| TAP | AZI-RUTH | ANSCPM | TAP | AZI-RUTH | ANSCPM | TAP | AZI-RUTH | ANSCPM | TAP | AZI-RUTH | ANSCPM | TAP | AZI-RUTH | ANSCPM |
|------|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|------|----------|--------|
| 1307 | 240 | .45 | 120 | 255 | -.15 | 241 | 255 | -.30 | 402 | 255 | -.24 | 936 | 255 | .12 |
| 1309 | 240 | .52 | 121 | 255 | -.29 | 242 | 255 | -.15 | 403 | 255 | -.24 | 937 | 255 | .27 |
| 1311 | 240 | .68 | 125 | 255 | -.35 | 243 | 255 | -.11 | 404 | 255 | -.42 | 938 | 255 | .60 |
| 1313 | 240 | .69 | 126 | 255 | -.74 | 244 | 255 | -.11 | 405 | 255 | -.45 | 939 | 255 | .63 |
| 1911 | 240 | .47 | 130 | 255 | -.70 | 245 | 255 | -.11 | 501 | 255 | .35 | 940 | 255 | .82 |
| 1913 | 240 | .43 | 131 | 255 | -.10 | 246 | 255 | -.06 | 502 | 255 | -.28 | 941 | 255 | .53 |
| 1914 | 240 | .43 | 135 | 255 | -.63 | 247 | 255 | -.52 | 503 | 255 | -.20 | 942 | 255 | .88 |
| 1915 | 240 | .41 | 136 | 255 | -.85 | 248 | 255 | -.57 | 504 | 255 | .18 | 943 | 255 | .64 |
| 1916 | 240 | .38 | 201 | 255 | -.78 | 249 | 255 | -.47 | 505 | 255 | .29 | 944 | 255 | .08 |
| 1917 | 240 | .39 | 202 | 255 | -.72 | 250 | 255 | -.35 | 506 | 255 | .28 | 945 | 255 | .14 |
| 1918 | 240 | .37 | 203 | 255 | -.73 | 251 | 255 | -.24 | 507 | 255 | .18 | 946 | 255 | .31 |
| 1921 | 240 | .39 | 204 | 255 | -.52 | 252 | 255 | -.15 | 508 | 255 | .00 | 1107 | 255 | .41 |
| 1923 | 240 | .39 | 205 | 255 | -.38 | 253 | 255 | -.14 | 509 | 255 | -.08 | 1108 | 255 | .39 |
| 1924 | 240 | .39 | 206 | 255 | -.28 | 254 | 255 | -.12 | 901 | 255 | .37 | 1109 | 255 | .41 |
| 1925 | 240 | .37 | 207 | 255 | -.45 | 255 | 255 | -.05 | 902 | 255 | -.47 | 1110 | 255 | .42 |
| 1926 | 240 | .39 | 208 | 255 | -.15 | 256 | 255 | -.53 | 903 | 255 | -.29 | 1111 | 255 | .39 |
| 1927 | 240 | .39 | 209 | 255 | -.21 | 257 | 255 | -.58 | 904 | 255 | -.45 | 1116 | 255 | .44 |
| 1928 | 240 | .39 | 210 | 255 | -.67 | 258 | 255 | -.56 | 905 | 255 | -.43 | 1121 | 255 | .45 |
| 1930 | 240 | .39 | 211 | 255 | -.58 | 259 | 255 | -.30 | 906 | 255 | -.42 | 1126 | 255 | .55 |
| 1932 | 240 | .38 | 212 | 255 | -.77 | 260 | 255 | -.28 | 907 | 255 | -.37 | 1136 | 255 | .68 |
| 1933 | 240 | .39 | 213 | 255 | -.45 | 261 | 255 | -.18 | 908 | 255 | -.40 | 1221 | 255 | .44 |
| 1934 | 240 | .37 | 214 | 255 | -.09 | 262 | 255 | -.18 | 909 | 255 | -.42 | 1222 | 255 | .43 |
| 1935 | 240 | .41 | 215 | 255 | -.03 | 263 | 255 | -.16 | 910 | 255 | -.36 | 1223 | 255 | .43 |
| 1936 | 240 | .37 | 216 | 255 | -.00 | 264 | 255 | -.19 | 911 | 255 | -.38 | 1224 | 255 | .44 |
| 1937 | 240 | .41 | 217 | 255 | -.36 | 265 | 255 | -.79 | 912 | 255 | -.47 | 1225 | 255 | .44 |
| 1939 | 240 | .38 | 218 | 255 | -.21 | 266 | 255 | -.75 | 913 | 255 | -.28 | 1226 | 255 | .40 |
| 1941 | 240 | .38 | 219 | 255 | -.26 | 267 | 255 | -.59 | 914 | 255 | -.45 | 1227 | 255 | .41 |
| 1942 | 240 | .38 | 220 | 255 | -.71 | 268 | 255 | -.43 | 915 | 255 | -.50 | 1230 | 255 | .44 |
| 1943 | 240 | .39 | 221 | 255 | -.74 | 269 | 255 | -.27 | 916 | 255 | -.44 | 1231 | 255 | .48 |
| 1944 | 240 | .37 | 222 | 255 | -.33 | 270 | 255 | -.22 | 917 | 255 | -.25 | 1232 | 255 | .47 |
| 1945 | 240 | .39 | 223 | 255 | -.05 | 271 | 255 | -.20 | 918 | 255 | -.33 | 1233 | 255 | .47 |
| 1946 | 240 | .40 | 224 | 255 | -.01 | 272 | 255 | -.24 | 919 | 255 | -.43 | 1234 | 255 | .47 |
| 101 | 255 | -.07 | 225 | 255 | -.03 | 273 | 255 | -.19 | 920 | 255 | -.40 | 1235 | 255 | .44 |
| 102 | 255 | -.03 | 226 | 255 | -.09 | 301 | 255 | -.39 | 921 | 255 | -.45 | 1236 | 255 | .45 |
| 103 | 255 | -.08 | 227 | 255 | -.19 | 302 | 255 | -.38 | 922 | 255 | -.49 | 1239 | 255 | .50 |
| 104 | 255 | -.08 | 228 | 255 | -.25 | 303 | 255 | -.37 | 923 | 255 | -.27 | 1240 | 255 | .49 |
| 105 | 255 | -.04 | 229 | 255 | -.34 | 304 | 255 | -.38 | 924 | 255 | -.49 | 1241 | 255 | .49 |
| 106 | 255 | -.10 | 230 | 255 | -.54 | 305 | 255 | -.37 | 925 | 255 | -.56 | 1242 | 255 | .49 |
| 107 | 255 | -.13 | 231 | 255 | -.48 | 306 | 255 | -.38 | 926 | 255 | -.31 | 1243 | 255 | .50 |
| 108 | 255 | -.32 | 232 | 255 | -.18 | 307 | 255 | -.40 | 927 | 255 | -.05 | 1244 | 255 | .50 |
| 109 | 255 | -.38 | 233 | 255 | -.07 | 308 | 255 | -.42 | 928 | 255 | -.05 | 1245 | 255 | .49 |
| 110 | 255 | .41 | 234 | 255 | -.08 | 309 | 255 | -.46 | 929 | 255 | -.46 | 1248 | 255 | .56 |
| 111 | 255 | .07 | 235 | 255 | -.11 | 310 | 255 | -.48 | 930 | 255 | -.49 | 1249 | 255 | .56 |
| 112 | 255 | .27 | 236 | 255 | -.20 | 311 | 255 | -.53 | 931 | 255 | -.53 | 1250 | 255 | .59 |
| 113 | 255 | .40 | 237 | 255 | -.26 | 312 | 255 | -.55 | 932 | 255 | -.37 | 1251 | 255 | .58 |
| 114 | 255 | .42 | 238 | 255 | -.52 | 313 | 255 | -.70 | 933 | 255 | -.55 | 1252 | 255 | .57 |
| 115 | 255 | .14 | 239 | 255 | -.53 | 314 | 255 | -.79 | 934 | 255 | -.48 | 1253 | 255 | .57 |
| 116 | 255 | -.02 | 240 | 255 | -.46 | 401 | 255 | -.26 | 935 | 255 | -.13 | 1254 | 255 | .59 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION C

| TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM |
|------|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|------|----------|--------|
| 1257 | 255 | .66 | 101 | 270 | -.02 | 225 | 270 | -.38 | 273 | 270 | -.57 | 920 | 270 | -.33 |
| 1258 | 255 | .67 | 102 | 270 | -.10 | 226 | 270 | -.29 | 301 | 270 | -.32 | 921 | 270 | -.40 |
| 1259 | 255 | .67 | 103 | 270 | -.16 | 227 | 270 | -.25 | 302 | 270 | -.33 | 922 | 270 | -.42 |
| 1260 | 255 | .68 | 104 | 270 | -.17 | 228 | 270 | -.26 | 303 | 270 | -.39 | 923 | 270 | -.38 |
| 1261 | 255 | .68 | 105 | 270 | -.14 | 229 | 270 | -.58 | 304 | 270 | -.30 | 924 | 270 | -.47 |
| 1262 | 255 | .67 | 106 | 270 | -.01 | 230 | 270 | -.50 | 305 | 270 | -.38 | 925 | 270 | -.54 |
| 1263 | 255 | .66 | 107 | 270 | -.25 | 231 | 270 | -.59 | 306 | 270 | -.31 | 926 | 270 | -.52 |
| 1266 | 255 | .69 | 108 | 270 | -.41 | 232 | 270 | -.61 | 307 | 270 | -.29 | 927 | 270 | -.30 |
| 1267 | 255 | .92 | 109 | 270 | -.47 | 233 | 270 | -.56 | 308 | 270 | -.33 | 928 | 270 | -.20 |
| 1268 | 255 | .95 | 110 | 270 | -.47 | 234 | 270 | -.45 | 309 | 270 | -.34 | 929 | 270 | -.30 |
| 1269 | 255 | .91 | 111 | 270 | -.28 | 235 | 270 | -.34 | 310 | 270 | -.37 | 930 | 270 | -.36 |
| 1270 | 255 | .95 | 112 | 270 | -.39 | 236 | 270 | -.28 | 311 | 270 | -.38 | 931 | 270 | -.37 |
| 1271 | 255 | .91 | 113 | 270 | -.44 | 237 | 270 | -.29 | 312 | 270 | -.42 | 932 | 270 | -.33 |
| 1272 | 255 | .96 | 114 | 270 | -.44 | 238 | 270 | -.57 | 313 | 270 | -.47 | 933 | 270 | -.45 |
| 1303 | 255 | .45 | 115 | 270 | -.01 | 239 | 270 | -.58 | 314 | 270 | -.52 | 934 | 270 | -.52 |
| 1305 | 255 | .45 | 116 | 270 | -.28 | 240 | 270 | -.63 | 401 | 270 | -.40 | 935 | 270 | -.48 |
| 1307 | 255 | .49 | 120 | 270 | -.02 | 241 | 270 | -.63 | 402 | 270 | -.39 | 936 | 270 | -.26 |
| 1309 | 255 | .56 | 121 | 270 | -.18 | 242 | 270 | -.58 | 403 | 270 | -.34 | 937 | 270 | -.07 |
| 1311 | 255 | .71 | 125 | 270 | -.24 | 243 | 270 | -.51 | 404 | 270 | -.28 | 938 | 270 | -.31 |
| 1313 | 255 | .89 | 126 | 270 | -.39 | 244 | 270 | -.44 | 405 | 270 | -.31 | 939 | 270 | -.34 |
| 1911 | 255 | .46 | 130 | 270 | -.55 | 245 | 270 | -.37 | 501 | 270 | -.31 | 940 | 270 | -.41 |
| 1913 | 255 | .43 | 131 | 270 | -.96 | 246 | 270 | -.37 | 502 | 270 | -.35 | 941 | 270 | -.31 |
| 1914 | 255 | .44 | 135 | 270 | -.86 | 247 | 270 | -.65 | 503 | 270 | -.32 | 942 | 270 | -.42 |
| 1915 | 255 | .43 | 136 | 270 | -.62 | 248 | 270 | -.70 | 504 | 270 | -.31 | 943 | 270 | -.55 |
| 1916 | 255 | .45 | 201 | 270 | -.70 | 249 | 270 | -.71 | 505 | 270 | -.14 | 944 | 270 | -.52 |
| 1917 | 255 | .42 | 202 | 270 | -.60 | 250 | 270 | -.72 | 506 | 270 | -.09 | 945 | 270 | -.30 |
| 1918 | 255 | .40 | 203 | 270 | -.55 | 251 | 270 | -.69 | 507 | 270 | -.16 | 946 | 270 | -.13 |
| 1921 | 255 | .43 | 204 | 270 | -.25 | 252 | 270 | -.56 | 508 | 270 | -.18 | 1107 | 270 | -.46 |
| 1923 | 255 | .41 | 205 | 270 | -.25 | 253 | 270 | -.47 | 509 | 270 | -.18 | 1108 | 270 | -.43 |
| 1924 | 255 | .40 | 206 | 270 | -.22 | 254 | 270 | -.43 | 901 | 270 | -.47 | 1109 | 270 | -.45 |
| 1925 | 255 | .42 | 207 | 270 | -.19 | 255 | 270 | -.47 | 902 | 270 | -.46 | 1110 | 270 | -.46 |
| 1926 | 255 | .43 | 208 | 270 | -.15 | 256 | 270 | -.75 | 903 | 270 | -.39 | 1111 | 270 | -.42 |
| 1927 | 255 | .41 | 209 | 270 | -.20 | 257 | 270 | -.81 | 904 | 270 | -.53 | 1116 | 270 | -.46 |
| 1928 | 255 | .40 | 210 | 270 | -.61 | 258 | 270 | -.85 | 905 | 270 | -.59 | 1121 | 270 | -.48 |
| 1930 | 255 | .40 | 211 | 270 | -.64 | 259 | 270 | -.83 | 906 | 270 | -.49 | 1126 | 270 | -.55 |
| 1932 | 255 | .42 | 212 | 270 | -.63 | 260 | 270 | -.73 | 907 | 270 | -.36 | 1136 | 270 | -.91 |
| 1933 | 255 | .40 | 213 | 270 | -.63 | 261 | 270 | -.63 | 908 | 270 | -.27 | 1221 | 270 | -.46 |
| 1934 | 255 | .38 | 214 | 270 | -.58 | 262 | 270 | -.53 | 909 | 270 | -.28 | 1222 | 270 | -.44 |
| 1935 | 255 | .42 | 215 | 270 | -.53 | 263 | 270 | -.43 | 910 | 270 | -.40 | 1223 | 270 | -.45 |
| 1936 | 255 | .43 | 216 | 270 | -.39 | 264 | 270 | -.41 | 911 | 270 | -.44 | 1224 | 270 | -.44 |
| 1937 | 255 | .43 | 217 | 270 | -.33 | 265 | 270 | -1.09 | 912 | 270 | -.45 | 1225 | 270 | -.48 |
| 1939 | 255 | .39 | 218 | 270 | -.29 | 266 | 270 | -1.04 | 913 | 270 | -.42 | 1226 | 270 | -.46 |
| 1941 | 255 | .41 | 219 | 270 | -.30 | 267 | 270 | -1.09 | 914 | 270 | -.53 | 1227 | 270 | -.46 |
| 1942 | 255 | .42 | 220 | 270 | -.60 | 268 | 270 | -1.03 | 915 | 270 | -.52 | 1230 | 270 | -.47 |
| 1943 | 255 | .42 | 221 | 270 | -.59 | 269 | 270 | -.83 | 916 | 270 | -.50 | 1231 | 270 | -.49 |
| 1944 | 255 | .44 | 222 | 270 | -.57 | 270 | 270 | -.82 | 917 | 270 | -.37 | 1232 | 270 | -.47 |
| 1945 | 255 | .41 | 223 | 270 | -.53 | 271 | 270 | -.59 | 918 | 270 | -.22 | 1233 | 270 | -.49 |
| 1946 | 255 | .44 | 224 | 270 | -.48 | 272 | 270 | -.52 | 919 | 270 | -.27 | 1234 | 270 | -.50 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDERBERG CONFIGURATION C

| TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM |
|------|----------|--------|------|----------|--------|-----|----------|--------|-----|----------|--------|------|----------|--------|
| 1235 | 270 | .47 | 1927 | 270 | .45 | 209 | 285 | -.40 | 257 | 285 | -.64 | 904 | 285 | -.74 |
| 1236 | 270 | .48 | 1928 | 270 | .45 | 210 | 285 | -.44 | 258 | 285 | -.66 | 905 | 285 | -.25 |
| 1239 | 270 | .53 | 1930 | 270 | .43 | 211 | 285 | -.54 | 259 | 285 | -.66 | 906 | 285 | -.01 |
| 1240 | 270 | .53 | 1932 | 270 | .46 | 212 | 285 | -.59 | 260 | 285 | -.65 | 907 | 285 | -.06 |
| 1241 | 270 | .53 | 1933 | 270 | .44 | 213 | 285 | -.67 | 261 | 285 | -.66 | 908 | 285 | -.24 |
| 1242 | 270 | .55 | 1934 | 270 | .43 | 214 | 285 | -.53 | 262 | 285 | -.67 | 909 | 285 | -.29 |
| 1243 | 270 | .57 | 1935 | 270 | .43 | 215 | 285 | -.46 | 263 | 285 | -.72 | 910 | 285 | -.82 |
| 1244 | 270 | .57 | 1936 | 270 | .44 | 216 | 285 | -.41 | 264 | 285 | -.73 | 911 | 285 | -.81 |
| 1245 | 270 | .55 | 1937 | 270 | .42 | 217 | 285 | -.42 | 265 | 285 | -.70 | 912 | 285 | -.80 |
| 1246 | 270 | .60 | 1939 | 270 | .42 | 218 | 285 | -.40 | 266 | 285 | -.90 | 913 | 285 | -.73 |
| 1249 | 270 | .59 | 1941 | 270 | .41 | 219 | 285 | -.42 | 267 | 285 | -.88 | 914 | 285 | -.53 |
| 1250 | 270 | .59 | 1942 | 270 | .45 | 220 | 285 | -.47 | 268 | 285 | -.91 | 915 | 285 | -.33 |
| 1251 | 270 | .65 | 1943 | 270 | .43 | 221 | 285 | -.52 | 269 | 285 | -.96 | 916 | 285 | -.60 |
| 1252 | 270 | .61 | 1944 | 270 | .42 | 222 | 285 | -.47 | 270 | 285 | -.87 | 917 | 285 | -.09 |
| 1253 | 270 | .62 | 1945 | 270 | .42 | 223 | 285 | -.52 | 271 | 285 | -.84 | 918 | 285 | -.09 |
| 1254 | 270 | .63 | 1946 | 270 | .44 | 224 | 285 | -.47 | 272 | 285 | -.90 | 919 | 285 | -.31 |
| 1257 | 270 | .66 | 101 | 285 | .05 | 225 | 285 | -.43 | 273 | 285 | -.92 | 920 | 285 | -.79 |
| 1258 | 270 | .67 | 102 | 285 | .11 | 226 | 285 | -.39 | 301 | 285 | -.35 | 921 | 285 | -.80 |
| 1259 | 270 | .71 | 103 | 285 | .06 | 227 | 285 | -.38 | 302 | 285 | -.34 | 922 | 285 | -.88 |
| 1260 | 270 | .72 | 104 | 285 | .03 | 228 | 285 | -.39 | 303 | 285 | -.34 | 923 | 285 | -.55 |
| 1261 | 270 | .72 | 105 | 285 | .03 | 229 | 285 | -.45 | 304 | 285 | -.31 | 924 | 285 | -.58 |
| 1262 | 270 | .74 | 106 | 285 | .12 | 230 | 285 | -.45 | 305 | 285 | -.28 | 925 | 285 | -.58 |
| 1263 | 270 | .73 | 107 | 285 | .35 | 231 | 285 | -.45 | 306 | 285 | -.27 | 926 | 285 | -.48 |
| 1266 | 270 | .92 | 108 | 285 | .44 | 232 | 285 | -.48 | 307 | 285 | -.30 | 927 | 285 | -.24 |
| 1267 | 270 | 1.04 | 109 | 285 | .45 | 233 | 285 | -.49 | 308 | 285 | -.29 | 928 | 285 | -.51 |
| 1268 | 270 | .99 | 110 | 285 | .43 | 234 | 285 | -.44 | 309 | 285 | -.35 | 929 | 285 | -.67 |
| 1269 | 270 | .96 | 111 | 285 | .46 | 235 | 285 | -.42 | 310 | 285 | -.37 | 930 | 285 | -.70 |
| 1270 | 270 | 1.02 | 112 | 285 | .47 | 236 | 285 | -.43 | 311 | 285 | -.37 | 931 | 285 | -.81 |
| 1271 | 270 | 1.03 | 113 | 285 | .46 | 237 | 285 | -.42 | 312 | 285 | -.36 | 932 | 285 | -.82 |
| 1272 | 270 | .98 | 114 | 285 | .45 | 238 | 285 | -.49 | 313 | 285 | -.48 | 933 | 285 | -.64 |
| 1303 | 270 | .47 | 115 | 285 | .15 | 239 | 285 | -.46 | 314 | 285 | -.50 | 934 | 285 | -.25 |
| 1305 | 270 | .48 | 116 | 285 | .44 | 240 | 285 | -.49 | 401 | 285 | -.80 | 935 | 285 | -.15 |
| 1307 | 270 | .53 | 120 | 285 | .14 | 241 | 285 | -.50 | 402 | 285 | -.75 | 936 | 285 | -.26 |
| 1309 | 270 | .64 | 121 | 285 | .45 | 242 | 285 | -.50 | 403 | 285 | -.69 | 937 | 285 | -.44 |
| 1311 | 270 | .74 | 125 | 285 | -.06 | 243 | 285 | -.48 | 404 | 285 | -.65 | 938 | 285 | -.55 |
| 1313 | 270 | .99 | 126 | 285 | .05 | 244 | 285 | -.50 | 405 | 285 | -.43 | 939 | 285 | -.59 |
| 1911 | 270 | .49 | 130 | 285 | .15 | 245 | 285 | -.52 | 501 | 285 | -.61 | 940 | 285 | -.82 |
| 1913 | 270 | .45 | 131 | 285 | .28 | 246 | 285 | -.53 | 502 | 285 | -.59 | 941 | 285 | -.47 |
| 1914 | 270 | .47 | 135 | 285 | .39 | 247 | 285 | -.53 | 503 | 285 | -.49 | 942 | 285 | -.73 |
| 1915 | 270 | .42 | 136 | 285 | .07 | 248 | 285 | -.57 | 504 | 285 | -.49 | 943 | 285 | -.70 |
| 1916 | 270 | .45 | 201 | 285 | .60 | 249 | 285 | -.55 | 505 | 285 | -.19 | 944 | 285 | -.20 |
| 1917 | 270 | .45 | 202 | 285 | .48 | 250 | 285 | -.59 | 506 | 285 | -.43 | 945 | 285 | -.07 |
| 1918 | 270 | .43 | 203 | 285 | .62 | 251 | 285 | -.57 | 507 | 285 | -.49 | 946 | 285 | -.16 |
| 1921 | 270 | .43 | 204 | 285 | .40 | 252 | 285 | -.59 | 508 | 285 | -.46 | 1107 | 285 | -.43 |
| 1923 | 270 | .46 | 205 | 285 | .39 | 253 | 285 | -.56 | 509 | 285 | -.39 | 1108 | 285 | -.42 |
| 1924 | 270 | .42 | 206 | 285 | .40 | 254 | 285 | -.66 | 901 | 285 | -.81 | 1109 | 285 | -.44 |
| 1925 | 270 | .43 | 207 | 285 | .39 | 255 | 285 | -.69 | 902 | 285 | -.88 | 1110 | 285 | -.44 |
| 1926 | 270 | .44 | 208 | 285 | .43 | 256 | 285 | -.66 | 903 | 285 | -.84 | 1111 | 285 | -.48 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION C

| TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM |
|------|----------|--------|------|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|
| 1116 | 285 | .44 | 1307 | 285 | .54 | 120 | 300 | .43 | 241 | 300 | -.53 | 402 | 300 | -.33 |
| 1121 | 285 | .49 | 1309 | 285 | .61 | 121 | 300 | .50 | 242 | 300 | -.55 | 403 | 300 | -.45 |
| 1126 | 285 | .55 | 1311 | 285 | .75 | 125 | 300 | .39 | 243 | 300 | -.55 | 404 | 300 | -.71 |
| 1136 | 285 | .87 | 1313 | 285 | .95 | 126 | 300 | .49 | 244 | 300 | -.55 | 405 | 300 | -.58 |
| 1221 | 285 | .44 | 1911 | 285 | .47 | 130 | 300 | .54 | 245 | 300 | -.61 | 501 | 300 | .15 |
| 1222 | 285 | .42 | 1913 | 285 | .43 | 131 | 300 | .61 | 246 | 300 | -.60 | 502 | 300 | .17 |
| 1223 | 285 | .42 | 1914 | 285 | .46 | 135 | 300 | .40 | 247 | 300 | -.64 | 503 | 300 | .19 |
| 1224 | 285 | .43 | 1915 | 285 | .42 | 136 | 300 | .63 | 248 | 300 | -.63 | 504 | 300 | .10 |
| 1225 | 285 | .41 | 1916 | 285 | .43 | 201 | 300 | -.44 | 249 | 300 | -.62 | 505 | 300 | .09 |
| 1226 | 285 | .41 | 1917 | 285 | .45 | 202 | 300 | -.45 | 250 | 300 | -.62 | 506 | 300 | .21 |
| 1227 | 285 | .42 | 1918 | 285 | .45 | 203 | 300 | -.48 | 251 | 300 | -.63 | 507 | 300 | .17 |
| 1230 | 285 | .45 | 1921 | 285 | .43 | 204 | 300 | -.43 | 252 | 300 | -.65 | 508 | 300 | .18 |
| 1231 | 285 | .46 | 1923 | 285 | .43 | 205 | 300 | -.44 | 253 | 300 | -.66 | 509 | 300 | .10 |
| 1232 | 285 | .45 | 1924 | 285 | .43 | 206 | 300 | -.43 | 254 | 300 | -.70 | 901 | 300 | -1.39 |
| 1233 | 285 | .46 | 1925 | 285 | .43 | 207 | 300 | -.44 | 255 | 300 | -.77 | 902 | 300 | -.59 |
| 1234 | 285 | .47 | 1926 | 285 | .45 | 208 | 300 | -.48 | 256 | 300 | -.70 | 903 | 300 | -.38 |
| 1235 | 285 | .45 | 1927 | 285 | .43 | 209 | 300 | -.44 | 257 | 300 | -.72 | 904 | 300 | -.32 |
| 1236 | 285 | .47 | 1928 | 285 | .44 | 210 | 300 | -.43 | 258 | 300 | -.72 | 905 | 300 | -.22 |
| 1239 | 285 | .50 | 1930 | 285 | .42 | 211 | 300 | -.44 | 259 | 300 | -.72 | 906 | 300 | -.14 |
| 1240 | 285 | .51 | 1932 | 285 | .42 | 212 | 300 | -.45 | 260 | 300 | -.71 | 907 | 300 | -.11 |
| 1241 | 285 | .49 | 1933 | 285 | .43 | 213 | 300 | -.46 | 261 | 300 | -.72 | 908 | 300 | -.09 |
| 1242 | 285 | .50 | 1934 | 285 | .41 | 214 | 300 | -.43 | 262 | 300 | -.72 | 909 | 300 | -.19 |
| 1243 | 285 | .50 | 1935 | 285 | .45 | 215 | 300 | -.44 | 263 | 300 | -.82 | 910 | 300 | -.88 |
| 1244 | 285 | .52 | 1936 | 285 | .43 | 216 | 300 | -.46 | 264 | 300 | -.80 | 911 | 300 | -.44 |
| 1245 | 285 | .51 | 1937 | 285 | .43 | 217 | 300 | -.53 | 265 | 300 | -1.00 | 912 | 300 | -.45 |
| 1248 | 285 | .59 | 1939 | 285 | .45 | 218 | 300 | -.46 | 266 | 300 | -1.02 | 913 | 300 | -.32 |
| 1249 | 285 | .57 | 1941 | 285 | .45 | 219 | 300 | -.49 | 267 | 300 | -1.09 | 914 | 300 | -.32 |
| 1250 | 285 | .59 | 1942 | 285 | .45 | 220 | 300 | -.43 | 268 | 300 | -1.09 | 915 | 300 | -.22 |
| 1251 | 285 | .60 | 1943 | 285 | .42 | 221 | 300 | -.43 | 269 | 300 | -1.01 | 916 | 300 | -.14 |
| 1252 | 285 | .61 | 1944 | 285 | .45 | 222 | 300 | -.45 | 270 | 300 | -1.05 | 917 | 300 | -.11 |
| 1253 | 285 | .58 | 1945 | 285 | .45 | 223 | 300 | -.44 | 271 | 300 | -1.00 | 918 | 300 | -.16 |
| 1254 | 285 | .62 | 1946 | 285 | .44 | 224 | 300 | -.45 | 272 | 300 | -1.06 | 919 | 300 | -.12 |
| 1257 | 285 | .65 | 101 | 300 | .18 | 225 | 300 | -.46 | 273 | 300 | -1.07 | 920 | 300 | -1.12 |
| 1258 | 285 | .66 | 102 | 300 | .66 | 226 | 300 | -.46 | 301 | 300 | -.31 | 921 | 300 | -1.41 |
| 1259 | 285 | .67 | 103 | 300 | .64 | 227 | 300 | -.47 | 302 | 300 | -.35 | 922 | 300 | -.64 |
| 1260 | 285 | .67 | 104 | 300 | .63 | 228 | 300 | -.50 | 303 | 300 | -.22 | 923 | 300 | -.39 |
| 1261 | 285 | .71 | 105 | 300 | .99 | 229 | 300 | -.49 | 304 | 300 | -.23 | 924 | 300 | -.24 |
| 1262 | 285 | .72 | 106 | 300 | .42 | 230 | 300 | -.48 | 305 | 300 | -.19 | 925 | 300 | -.15 |
| 1263 | 285 | .69 | 107 | 300 | .47 | 231 | 300 | -.46 | 306 | 300 | -.18 | 926 | 300 | -.08 |
| 1266 | 285 | .93 | 108 | 300 | .43 | 232 | 300 | -.46 | 307 | 300 | -.23 | 927 | 300 | -.66 |
| 1267 | 285 | .90 | 109 | 300 | .38 | 233 | 300 | -.48 | 308 | 300 | -.22 | 928 | 300 | -.20 |
| 1268 | 285 | .93 | 110 | 300 | .34 | 234 | 300 | -.50 | 309 | 300 | -.25 | 929 | 300 | -.83 |
| 1269 | 285 | .92 | 111 | 300 | .47 | 235 | 300 | -.51 | 310 | 300 | -.24 | 930 | 300 | -.93 |
| 1270 | 285 | .93 | 112 | 300 | .43 | 236 | 300 | -.50 | 311 | 300 | -.28 | 931 | 300 | -1.10 |
| 1271 | 285 | .95 | 113 | 300 | .40 | 237 | 300 | -.53 | 312 | 300 | -.28 | 932 | 300 | -.46 |
| 1272 | 285 | .98 | 114 | 300 | .34 | 238 | 300 | -.52 | 313 | 300 | -.37 | 933 | 300 | -.08 |
| 1303 | 285 | .43 | 115 | 300 | .41 | 239 | 300 | -.51 | 314 | 300 | -.38 | 934 | 300 | -.02 |
| 1305 | 285 | .48 | 116 | 300 | .44 | 240 | 300 | -.53 | 401 | 300 | -.33 | 935 | 300 | -.01 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION C

| TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM |
|------|----------|--------|------|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|
| 936 | 300 | .06 | 1237 | 300 | .56 | 101 | 315 | .08 | 225 | 315 | .49 | 273 | 315 | -1.14 |
| 937 | 300 | .20 | 1238 | 300 | .57 | 102 | 315 | .04 | 226 | 315 | .49 | 301 | 315 | .12 |
| 938 | 300 | .76 | 1239 | 300 | .61 | 103 | 315 | .15 | 227 | 315 | .49 | 302 | 315 | .13 |
| 939 | 300 | .80 | 1260 | 300 | .55 | 104 | 315 | .14 | 228 | 315 | .51 | 303 | 315 | .03 |
| 940 | 300 | .84 | 1261 | 300 | .58 | 105 | 315 | .17 | 229 | 315 | .50 | 304 | 315 | .04 |
| 941 | 300 | .71 | 1262 | 300 | .57 | 106 | 315 | .34 | 230 | 315 | .50 | 305 | 315 | .04 |
| 942 | 300 | .59 | 1263 | 300 | .59 | 107 | 315 | .32 | 231 | 315 | .48 | 306 | 315 | .03 |
| 943 | 300 | .14 | 1266 | 300 | .78 | 108 | 315 | .26 | 232 | 315 | .50 | 307 | 315 | .07 |
| 944 | 300 | .01 | 1267 | 300 | .74 | 109 | 315 | .20 | 233 | 315 | .51 | 308 | 315 | .06 |
| 945 | 300 | .00 | 1268 | 300 | .86 | 110 | 315 | .17 | 234 | 315 | .51 | 309 | 315 | .07 |
| 946 | 300 | .10 | 1269 | 300 | .84 | 111 | 315 | .31 | 235 | 315 | .54 | 310 | 315 | .05 |
| 1107 | 300 | .37 | 1270 | 300 | .83 | 112 | 315 | .28 | 236 | 315 | .55 | 311 | 315 | .06 |
| 1108 | 300 | .38 | 1271 | 300 | .79 | 113 | 315 | .23 | 237 | 315 | .55 | 312 | 315 | .06 |
| 1109 | 300 | .39 | 1272 | 300 | .76 | 114 | 315 | .21 | 238 | 315 | .55 | 313 | 315 | .07 |
| 1110 | 300 | .39 | 1303 | 300 | .37 | 115 | 315 | .34 | 239 | 315 | .66 | 314 | 315 | .06 |
| 1111 | 300 | .39 | 1305 | 300 | .39 | 116 | 315 | .29 | 240 | 315 | .64 | 401 | 315 | .61 |
| 1116 | 300 | .38 | 1307 | 300 | .45 | 120 | 315 | .35 | 241 | 315 | .65 | 402 | 315 | .50 |
| 1121 | 300 | .44 | 1309 | 300 | .49 | 121 | 315 | .33 | 242 | 315 | .65 | 403 | 315 | .50 |
| 1126 | 300 | .51 | 1311 | 300 | .63 | 125 | 315 | .33 | 243 | 315 | .67 | 404 | 315 | .40 |
| 1136 | 300 | .74 | 1313 | 300 | .80 | 126 | 315 | .33 | 244 | 315 | .68 | 405 | 315 | .40 |
| 1221 | 300 | .37 | 1911 | 300 | .43 | 130 | 315 | .40 | 245 | 315 | .68 | 501 | 315 | .66 |
| 1222 | 300 | .39 | 1913 | 300 | .38 | 131 | 315 | .57 | 246 | 315 | .64 | 502 | 315 | .65 |
| 1223 | 300 | .38 | 1914 | 300 | .39 | 135 | 315 | .48 | 247 | 315 | .66 | 503 | 315 | .63 |
| 1224 | 300 | .38 | 1915 | 300 | .36 | 136 | 315 | .61 | 248 | 315 | .65 | 504 | 315 | .28 |
| 1225 | 300 | .37 | 1916 | 300 | .35 | 201 | 315 | .47 | 249 | 315 | .65 | 505 | 315 | .15 |
| 1226 | 300 | .36 | 1917 | 300 | .35 | 202 | 315 | .47 | 250 | 315 | .68 | 506 | 315 | .01 |
| 1227 | 300 | .36 | 1918 | 300 | .36 | 203 | 315 | .52 | 251 | 315 | .68 | 507 | 315 | .07 |
| 1230 | 300 | .49 | 1921 | 300 | .38 | 204 | 315 | .47 | 252 | 315 | .68 | 508 | 315 | .08 |
| 1231 | 300 | .43 | 1923 | 300 | .36 | 205 | 315 | .46 | 253 | 315 | .69 | 509 | 315 | .13 |
| 1232 | 300 | .42 | 1924 | 300 | .37 | 206 | 315 | .45 | 254 | 315 | .73 | 901 | 315 | -1.01 |
| 1233 | 300 | .39 | 1925 | 300 | .33 | 207 | 315 | .43 | 255 | 315 | .70 | 902 | 315 | .72 |
| 1234 | 300 | .39 | 1926 | 300 | .37 | 208 | 315 | .49 | 256 | 315 | .76 | 903 | 315 | .86 |
| 1235 | 300 | .40 | 1927 | 300 | .35 | 209 | 315 | .47 | 257 | 315 | .76 | 904 | 315 | .47 |
| 1236 | 300 | .38 | 1928 | 300 | .36 | 210 | 315 | .48 | 258 | 315 | .72 | 905 | 315 | .37 |
| 1239 | 300 | .48 | 1930 | 300 | .36 | 211 | 315 | .48 | 259 | 315 | .74 | 906 | 315 | .31 |
| 1240 | 300 | .47 | 1932 | 300 | .38 | 212 | 315 | .48 | 260 | 315 | .73 | 907 | 315 | .32 |
| 1241 | 300 | .46 | 1933 | 300 | .37 | 213 | 315 | .48 | 261 | 315 | .77 | 908 | 315 | .24 |
| 1242 | 300 | .46 | 1934 | 300 | .34 | 214 | 315 | .47 | 262 | 315 | .74 | 909 | 315 | .04 |
| 1243 | 300 | .44 | 1935 | 300 | .37 | 215 | 315 | .49 | 263 | 315 | .83 | 910 | 315 | -1.88 |
| 1244 | 300 | .44 | 1936 | 300 | .38 | 216 | 315 | .47 | 264 | 315 | .89 | 911 | 315 | .77 |
| 1245 | 300 | .44 | 1937 | 300 | .36 | 217 | 315 | .59 | 265 | 315 | .62 | 912 | 315 | .75 |
| 1248 | 300 | .53 | 1939 | 300 | .35 | 218 | 315 | .47 | 266 | 315 | .62 | 913 | 315 | .49 |
| 1249 | 300 | .51 | 1941 | 300 | .36 | 219 | 315 | .51 | 267 | 315 | .61 | 914 | 315 | .47 |
| 1250 | 300 | .50 | 1942 | 300 | .37 | 220 | 315 | .45 | 268 | 315 | .65 | 915 | 315 | .37 |
| 1251 | 300 | .51 | 1943 | 300 | .36 | 221 | 315 | .47 | 269 | 315 | .66 | 916 | 315 | .33 |
| 1252 | 300 | .52 | 1944 | 300 | .36 | 222 | 315 | .46 | 270 | 315 | .69 | 917 | 315 | .35 |
| 1253 | 300 | .51 | 1945 | 300 | .34 | 223 | 315 | .46 | 271 | 315 | .69 | 918 | 315 | .42 |
| 1254 | 300 | .48 | 1946 | 300 | .35 | 224 | 315 | .48 | 272 | 315 | .17 | 919 | 315 | .04 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION C

| TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM |
|------|----------|--------|------|----------|--------|------|----------|--------|------|----------|--------|------|----------|--------|
| 920 | 330 | -1.23 | 1233 | 330 | .24 | 1927 | 330 | .24 | 2009 | 330 | -.43 | 2557 | 330 | -.63 |
| 921 | 330 | -.74 | 1233 | 330 | .24 | 1928 | 330 | .24 | 2010 | 330 | -.42 | 2558 | 330 | -.68 |
| 922 | 330 | -.77 | 1233 | 330 | .24 | 1930 | 330 | .24 | 2011 | 330 | -.42 | 2559 | 330 | -.68 |
| 923 | 330 | -.46 | 1244 | 330 | .27 | 1932 | 330 | .24 | 2012 | 330 | -.42 | 2560 | 330 | -.69 |
| 924 | 330 | -.41 | 1244 | 330 | .27 | 1933 | 330 | .24 | 2013 | 330 | -.42 | 2561 | 330 | -.68 |
| 925 | 330 | -.37 | 1244 | 330 | .27 | 1934 | 330 | .24 | 2014 | 330 | -.42 | 2562 | 330 | -.70 |
| 926 | 330 | -.31 | 1244 | 330 | .27 | 1935 | 330 | .24 | 2015 | 330 | -.42 | 2563 | 330 | -.80 |
| 927 | 330 | -.29 | 1244 | 330 | .27 | 1936 | 330 | .24 | 2016 | 330 | -.41 | 2564 | 330 | -.81 |
| 928 | 330 | -.00 | 1244 | 330 | .28 | 1937 | 330 | .24 | 2017 | 330 | -.49 | 2565 | 330 | -.93 |
| 929 | 330 | .93 | 1244 | 330 | .28 | 1939 | 330 | .23 | 2018 | 330 | -.43 | 2566 | 330 | -.90 |
| 930 | 330 | .19 | 1244 | 330 | .28 | 1941 | 330 | .22 | 2019 | 330 | -.46 | 2567 | 330 | -.86 |
| 931 | 330 | .51 | 1253 | 330 | .32 | 1942 | 330 | .22 | 2020 | 330 | -.41 | 2568 | 330 | -.94 |
| 932 | 330 | .36 | 1253 | 330 | .32 | 1943 | 330 | .22 | 2021 | 330 | -.41 | 2569 | 330 | -.96 |
| 933 | 330 | .11 | 1253 | 330 | .32 | 1944 | 330 | .22 | 2022 | 330 | -.40 | 2570 | 330 | -.98 |
| 934 | 330 | .19 | 1253 | 330 | .33 | 1945 | 330 | .24 | 2023 | 330 | -.41 | 2571 | 330 | -.91 |
| 935 | 330 | .17 | 1253 | 330 | .33 | 1946 | 330 | .24 | 2024 | 330 | -.44 | 2572 | 330 | -.82 |
| 936 | 330 | .13 | 1253 | 330 | .41 | 101 | 330 | -.57 | 2025 | 330 | -.44 | 2573 | 330 | -.69 |
| 937 | 330 | .02 | 1253 | 330 | .41 | 102 | 330 | -.46 | 2026 | 330 | -.44 | 2701 | 330 | -.13 |
| 938 | 330 | .80 | 1253 | 330 | .46 | 103 | 330 | -.20 | 2027 | 330 | -.45 | 2702 | 330 | -.14 |
| 939 | 330 | .90 | 1266 | 330 | .34 | 104 | 330 | -.20 | 2028 | 330 | -.47 | 2703 | 330 | -.17 |
| 940 | 330 | .65 | 1266 | 330 | .34 | 105 | 330 | -.23 | 2029 | 330 | -.45 | 2704 | 330 | -.16 |
| 941 | 330 | .55 | 1266 | 330 | .34 | 106 | 330 | -.31 | 2030 | 330 | -.44 | 2705 | 330 | -.16 |
| 942 | 330 | .28 | 1266 | 330 | .34 | 107 | 330 | -.32 | 2031 | 330 | -.44 | 2706 | 330 | -.14 |
| 943 | 330 | .16 | 1266 | 330 | .34 | 108 | 330 | -.35 | 2032 | 330 | -.46 | 2707 | 330 | -.15 |
| 944 | 330 | .13 | 1266 | 330 | .34 | 109 | 330 | -.33 | 2033 | 330 | -.47 | 2708 | 330 | -.13 |
| 945 | 330 | .16 | 1266 | 330 | .34 | 110 | 330 | -.34 | 2034 | 330 | -.47 | 2709 | 330 | -.17 |
| 946 | 330 | .15 | 1266 | 330 | .34 | 111 | 330 | -.22 | 2035 | 330 | -.46 | 2710 | 330 | -.15 |
| 1107 | 330 | .23 | 1266 | 330 | .34 | 112 | 330 | -.10 | 2036 | 330 | -.50 | 2711 | 330 | -.20 |
| 1108 | 330 | .23 | 1271 | 330 | .33 | 113 | 330 | -.05 | 2037 | 330 | -.51 | 2712 | 330 | -.20 |
| 1109 | 330 | .23 | 1272 | 330 | .33 | 114 | 330 | -.06 | 2038 | 330 | -.48 | 2713 | 330 | -.32 |
| 1110 | 330 | .22 | 1303 | 330 | .24 | 115 | 330 | -.28 | 2039 | 330 | -.49 | 2714 | 330 | -.30 |
| 1111 | 330 | .23 | 1303 | 330 | .24 | 116 | 330 | -.16 | 240 | 330 | -.47 | 401 | 330 | -.82 |
| 1116 | 330 | .26 | 1303 | 330 | .24 | 120 | 330 | -.25 | 241 | 330 | -.50 | 402 | 330 | -.67 |
| 1121 | 330 | .30 | 1303 | 330 | .24 | 121 | 330 | -.19 | 242 | 330 | -.50 | 403 | 330 | -.66 |
| 1126 | 330 | .32 | 1311 | 330 | .46 | 125 | 330 | -.29 | 243 | 330 | -.52 | 404 | 330 | -.51 |
| 1136 | 330 | .32 | 1313 | 330 | .49 | 126 | 330 | -.20 | 244 | 330 | -.53 | 405 | 330 | -.40 |
| 1221 | 330 | .28 | 1911 | 330 | .29 | 130 | 330 | -.42 | 245 | 330 | -.60 | 501 | 330 | -.29 |
| 1222 | 330 | .25 | 1913 | 330 | .23 | 131 | 330 | -.27 | 246 | 330 | -.60 | 502 | 330 | -.30 |
| 1223 | 330 | .25 | 1914 | 330 | .23 | 135 | 330 | -.33 | 247 | 330 | -.64 | 503 | 330 | -.34 |
| 1224 | 330 | .23 | 1915 | 330 | .23 | 136 | 330 | -.22 | 248 | 330 | -.55 | 504 | 330 | -.52 |
| 1225 | 330 | .24 | 1916 | 330 | .26 | 201 | 330 | -.40 | 249 | 330 | -.57 | 505 | 330 | -.36 |
| 1226 | 330 | .23 | 1917 | 330 | .23 | 202 | 330 | -.39 | 250 | 330 | -.58 | 506 | 330 | -.29 |
| 1227 | 330 | .23 | 1918 | 330 | .24 | 203 | 330 | -.44 | 251 | 330 | -.59 | 507 | 330 | -.35 |
| 1230 | 330 | .23 | 1920 | 330 | .24 | 204 | 330 | -.43 | 252 | 330 | -.59 | 508 | 330 | -.44 |
| 1231 | 330 | .27 | 1922 | 330 | .23 | 205 | 330 | -.43 | 253 | 330 | -.59 | 509 | 330 | -.60 |
| 1232 | 330 | .28 | 1924 | 330 | .22 | 206 | 330 | -.42 | 254 | 330 | -.57 | 901 | 330 | -.22 |
| 1233 | 330 | .26 | 1925 | 330 | .23 | 207 | 330 | -.42 | 255 | 330 | -.55 | 902 | 330 | -.89 |
| 1234 | 330 | .23 | 1926 | 330 | .23 | 208 | 330 | -.43 | 256 | 330 | -.62 | 903 | 330 | -.88 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION C

| TAP | AZI-MUTH | ANSCPH | TAP | AZI-MUTH | ANSCPH | TAP | AZI-MUTH | ANSCPH | TAP | AZI-MUTH | ANSCPH | TAP | AZI-MUTH | ANSCPH |
|-----|----------|--------|------|----------|--------|------|----------|--------|-----|----------|--------|------|----------|--------|
| 904 | 330 | -.06 | 1116 | 330 | -.07 | 1307 | 330 | -.09 | 120 | 345 | -.65 | 2241 | 345 | -.42 |
| 905 | 330 | -.06 | 1121 | 330 | -.11 | 1309 | 330 | -.11 | 121 | 345 | -.65 | 2242 | 345 | -.42 |
| 906 | 330 | -.06 | 1126 | 330 | -.11 | 1311 | 330 | -.08 | 125 | 345 | -.75 | 2243 | 345 | -.42 |
| 907 | 330 | -.06 | 1136 | 330 | -.18 | 1313 | 330 | -.18 | 126 | 345 | -.80 | 2244 | 345 | -.44 |
| 908 | 330 | -.04 | 1221 | 330 | -.04 | 1911 | 330 | -.02 | 130 | 345 | -.21 | 2245 | 345 | -.48 |
| 909 | 330 | -.13 | 1222 | 330 | -.06 | 1913 | 330 | -.08 | 131 | 345 | -.18 | 2246 | 345 | -.50 |
| 910 | 330 | -.27 | 1223 | 330 | -.05 | 1914 | 330 | -.06 | 133 | 345 | -.13 | 2247 | 345 | -.47 |
| 911 | 330 | -.01 | 1224 | 330 | -.09 | 1915 | 330 | -.07 | 136 | 345 | -.19 | 2248 | 345 | -.48 |
| 912 | 330 | -.01 | 1225 | 330 | -.06 | 1916 | 330 | -.07 | 201 | 345 | -.02 | 2249 | 345 | -.49 |
| 914 | 330 | -.06 | 1226 | 330 | -.06 | 1917 | 330 | -.07 | 202 | 345 | -.33 | 2250 | 345 | -.48 |
| 915 | 330 | -.06 | 1227 | 330 | -.07 | 1918 | 330 | -.06 | 203 | 345 | -.33 | 2251 | 345 | -.51 |
| 916 | 330 | -.06 | 1230 | 330 | -.01 | 1921 | 330 | -.09 | 204 | 345 | -.44 | 2252 | 345 | -.50 |
| 917 | 330 | -.06 | 1231 | 330 | -.00 | 1922 | 330 | -.07 | 205 | 345 | -.44 | 2253 | 345 | -.50 |
| 918 | 330 | -.06 | 1232 | 330 | -.07 | 1924 | 330 | -.06 | 206 | 345 | -.37 | 2254 | 345 | -.51 |
| 919 | 330 | -.06 | 1233 | 330 | -.09 | 1925 | 330 | -.06 | 207 | 345 | -.40 | 2255 | 345 | -.51 |
| 920 | 330 | -.06 | 1234 | 330 | -.07 | 1926 | 330 | -.07 | 208 | 345 | -.39 | 2256 | 345 | -.52 |
| 921 | 330 | -.06 | 1235 | 330 | -.07 | 1927 | 330 | -.09 | 209 | 345 | -.38 | 2257 | 345 | -.52 |
| 922 | 330 | -.06 | 1236 | 330 | -.08 | 1928 | 330 | -.06 | 210 | 345 | -.36 | 2258 | 345 | -.52 |
| 923 | 330 | -.06 | 1239 | 330 | -.03 | 1930 | 330 | -.07 | 211 | 345 | -.34 | 2259 | 345 | -.52 |
| 924 | 330 | -.06 | 1240 | 330 | -.07 | 1932 | 330 | -.06 | 212 | 345 | -.34 | 2260 | 345 | -.52 |
| 925 | 330 | -.06 | 1241 | 330 | -.10 | 1933 | 330 | -.06 | 213 | 345 | -.37 | 2261 | 345 | -.52 |
| 926 | 330 | -.06 | 1242 | 330 | -.11 | 1934 | 330 | -.09 | 214 | 345 | -.38 | 2262 | 345 | -.52 |
| 927 | 330 | -.06 | 1243 | 330 | -.09 | 1935 | 330 | -.05 | 215 | 345 | -.35 | 2263 | 345 | -.52 |
| 928 | 330 | -.06 | 1244 | 330 | -.09 | 1936 | 330 | -.06 | 216 | 345 | -.36 | 2264 | 345 | -.52 |
| 929 | 330 | -.06 | 1245 | 330 | -.07 | 1937 | 330 | -.04 | 217 | 345 | -.36 | 2265 | 345 | -.52 |
| 930 | 330 | -.06 | 1248 | 330 | -.04 | 1939 | 330 | -.07 | 218 | 345 | -.37 | 2266 | 345 | -.52 |
| 931 | 330 | -.06 | 1249 | 330 | -.09 | 1941 | 330 | -.08 | 219 | 345 | -.39 | 2267 | 345 | -.52 |
| 932 | 330 | -.06 | 1250 | 330 | -.10 | 1942 | 330 | -.08 | 220 | 345 | -.34 | 2268 | 345 | -.52 |
| 933 | 330 | -.06 | 1251 | 330 | -.12 | 1943 | 330 | -.09 | 221 | 345 | -.34 | 2269 | 345 | -.52 |
| 934 | 330 | -.06 | 1252 | 330 | -.11 | 1944 | 330 | -.09 | 222 | 345 | -.35 | 2270 | 345 | -.52 |
| 935 | 330 | -.06 | 1253 | 330 | -.07 | 1945 | 330 | -.08 | 223 | 345 | -.35 | 2271 | 345 | -.52 |
| 936 | 330 | -.06 | 1254 | 330 | -.10 | 1946 | 330 | -.07 | 224 | 345 | -.33 | 2272 | 345 | -.52 |
| 937 | 330 | -.06 | 1257 | 345 | -.04 | 101 | 345 | -.73 | 225 | 345 | -.37 | 2273 | 345 | -.52 |
| 938 | 330 | -.06 | 1258 | 345 | -.10 | 102 | 345 | -.74 | 226 | 345 | -.37 | 2274 | 345 | -.52 |
| 939 | 330 | -.06 | 1259 | 345 | -.14 | 103 | 345 | -.77 | 227 | 345 | -.38 | 2275 | 345 | -.52 |
| 940 | 330 | -.06 | 1260 | 345 | -.13 | 104 | 345 | -.72 | 228 | 345 | -.38 | 2276 | 345 | -.52 |
| 941 | 330 | -.06 | 1261 | 345 | -.11 | 105 | 345 | -.77 | 229 | 345 | -.39 | 2277 | 345 | -.52 |
| 942 | 330 | -.06 | 1262 | 345 | -.14 | 106 | 345 | -.67 | 230 | 345 | -.37 | 2278 | 345 | -.52 |
| 943 | 330 | -.06 | 1263 | 345 | -.09 | 107 | 345 | -.69 | 231 | 345 | -.38 | 2279 | 345 | -.52 |
| 944 | 330 | -.06 | 1266 | 345 | -.13 | 108 | 345 | -.64 | 232 | 345 | -.40 | 2280 | 345 | -.52 |
| 945 | 330 | -.06 | 1267 | 345 | -.06 | 109 | 345 | -.44 | 233 | 345 | -.39 | 2281 | 345 | -.52 |
| 946 | 330 | -.06 | 1268 | 345 | -.16 | 110 | 345 | -.33 | 234 | 345 | -.40 | 2282 | 345 | -.52 |
| 947 | 330 | -.06 | 1269 | 345 | -.22 | 111 | 345 | -.69 | 235 | 345 | -.42 | 2283 | 345 | -.52 |
| 948 | 330 | -.06 | 1270 | 345 | -.18 | 112 | 345 | -.67 | 236 | 345 | -.45 | 2284 | 345 | -.52 |
| 949 | 330 | -.06 | 1271 | 345 | -.18 | 113 | 345 | -.67 | 237 | 345 | -.44 | 2285 | 345 | -.52 |
| 950 | 330 | -.06 | 1272 | 345 | -.21 | 114 | 345 | -.48 | 238 | 345 | -.40 | 2286 | 345 | -.52 |
| 951 | 330 | -.06 | 1303 | 345 | -.07 | 115 | 345 | -.88 | 239 | 345 | -.40 | 2287 | 345 | -.52 |
| 952 | 330 | -.06 | 1305 | 345 | -.09 | 116 | 345 | -.88 | 240 | 345 | -.41 | 2288 | 345 | -.52 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION C

| TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM |
|-----|----------|--------|-----|----------|--------|------|----------|--------|------|----------|--------|------|----------|--------|
| 402 | 345 | -.64 | 917 | 345 | -1.21 | 946 | 345 | -.49 | 1244 | 345 | -.56 | 1911 | 345 | -.43 |
| 403 | 345 | -.69 | 918 | 345 | -1.04 | 1107 | 345 | -.49 | 1245 | 345 | -.59 | 1913 | 345 | -.48 |
| 404 | 345 | -.65 | 919 | 345 | -.17 | 1108 | 345 | -.50 | 1246 | 345 | -.67 | 1914 | 345 | -.43 |
| 405 | 345 | -.56 | 920 | 345 | -.68 | 1109 | 345 | -.48 | 1249 | 345 | -.65 | 1915 | 345 | -.48 |
| 501 | 345 | -.48 | 921 | 345 | -.62 | 1110 | 345 | -.47 | 1250 | 345 | -.64 | 1916 | 345 | -.47 |
| 502 | 345 | -.60 | 922 | 345 | -.71 | 1111 | 345 | -.51 | 1251 | 345 | -.66 | 1917 | 345 | -.48 |
| 503 | 345 | -.68 | 923 | 345 | -.69 | 1116 | 345 | -.53 | 1252 | 345 | -.66 | 1918 | 345 | -.48 |
| 504 | 345 | -.73 | 924 | 345 | -.70 | 1121 | 345 | -.58 | 1253 | 345 | -.66 | 1921 | 345 | -.47 |
| 505 | 345 | -.50 | 925 | 345 | -.68 | 1126 | 345 | -.71 | 1254 | 345 | -.65 | 1923 | 345 | -.47 |
| 506 | 345 | -.51 | 926 | 345 | -.74 | 1136 | 345 | -1.10 | 1257 | 345 | -.69 | 1924 | 345 | -.47 |
| 507 | 345 | -.65 | 927 | 345 | -.66 | 1221 | 345 | -.46 | 1258 | 345 | -.69 | 1925 | 345 | -.45 |
| 508 | 345 | -.82 | 928 | 345 | -.73 | 1222 | 345 | -.51 | 1259 | 345 | -.79 | 1926 | 345 | -.48 |
| 509 | 345 | -.91 | 929 | 345 | -.47 | 1223 | 345 | -.49 | 1260 | 345 | -.74 | 1927 | 345 | -.50 |
| 901 | 345 | -.89 | 930 | 345 | -.48 | 1224 | 345 | -.44 | 1261 | 345 | -.71 | 1928 | 345 | -.47 |
| 902 | 345 | -.86 | 931 | 345 | -.56 | 1225 | 345 | -.48 | 1262 | 345 | -.71 | 1930 | 345 | -.48 |
| 903 | 345 | -.83 | 932 | 345 | -.68 | 1226 | 345 | -.49 | 1263 | 345 | -.75 | 1932 | 345 | -.49 |
| 904 | 345 | -.69 | 933 | 345 | -.64 | 1227 | 345 | -.49 | 1266 | 345 | -.95 | 1933 | 345 | -.49 |
| 905 | 345 | -.67 | 934 | 345 | -.63 | 1230 | 345 | -.52 | 1267 | 345 | -.95 | 1934 | 345 | -.49 |
| 906 | 345 | -.72 | 935 | 345 | -.64 | 1231 | 345 | -.48 | 1268 | 345 | -.95 | 1935 | 345 | -.51 |
| 907 | 345 | -1.03 | 936 | 345 | -.58 | 1232 | 345 | -.54 | 1269 | 345 | -1.09 | 1936 | 345 | -.47 |
| 908 | 345 | -.69 | 937 | 345 | -.58 | 1233 | 345 | -.50 | 1270 | 345 | -1.06 | 1937 | 345 | -.49 |
| 909 | 345 | -.15 | 938 | 345 | -.45 | 1234 | 345 | -.52 | 1271 | 345 | -.98 | 1939 | 345 | -.47 |
| 910 | 345 | -.88 | 939 | 345 | -.41 | 1235 | 345 | -.53 | 1272 | 345 | -.98 | 1941 | 345 | -.46 |
| 911 | 345 | -.89 | 940 | 345 | -.43 | 1236 | 345 | -.55 | 1303 | 345 | -.51 | 1942 | 345 | -.47 |
| 912 | 345 | -.85 | 941 | 345 | -.56 | 1239 | 345 | -.56 | 1305 | 345 | -.53 | 1943 | 345 | -.47 |
| 913 | 345 | -.70 | 942 | 345 | -.48 | 1240 | 345 | -.56 | 1307 | 345 | -.57 | 1944 | 345 | -.47 |
| 914 | 345 | -.67 | 943 | 345 | -.48 | 1241 | 345 | -.56 | 1309 | 345 | -.62 | 1945 | 345 | -.48 |
| 915 | 345 | -.68 | 944 | 345 | -.52 | 1242 | 345 | -.55 | 1311 | 345 | -.71 | 1946 | 345 | -.48 |
| 916 | 345 | -.77 | 945 | 345 | -.62 | 1243 | 345 | -.57 | 1313 | 345 | -.67 | | | |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION 0

| TAP | AZI-NUTH | ANSCPM | TAP | AZI-NUTH | ANSCPM | TAP | AZI-NUTH | ANSCPM | TAP | AZI-NUTH | ANSCPM | TAP | AZI-NUTH | ANSCPM |
|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|
| 101 | 0 | -.70 | 210 | 0 | -.34 | 258 | 0 | -.33 | 905 | 0 | -.74 | 107 | 1 | -.44 |
| 102 | 0 | -.71 | 211 | 0 | -.33 | 259 | 0 | -.30 | 906 | 0 | -.09 | 108 | 1 | -.44 |
| 103 | 0 | -.72 | 212 | 0 | -.34 | 260 | 0 | -.46 | 907 | 0 | -.40 | 109 | 1 | -.46 |
| 104 | 0 | -.68 | 213 | 0 | -.35 | 261 | 0 | -.43 | 908 | 0 | -.66 | 110 | 1 | -.47 |
| 105 | 0 | -.69 | 214 | 0 | -.33 | 262 | 0 | -.43 | 909 | 0 | -.16 | 111 | 1 | -.47 |
| 106 | 0 | -.75 | 215 | 0 | -.35 | 263 | 0 | -.44 | 910 | 0 | -.80 | 112 | 1 | -.44 |
| 107 | 0 | -.70 | 216 | 0 | -.35 | 264 | 0 | -.43 | 911 | 0 | -.80 | 113 | 1 | -.48 |
| 108 | 0 | -.72 | 217 | 0 | -.39 | 265 | 0 | -.88 | 912 | 0 | -.83 | 114 | 1 | -.48 |
| 109 | 0 | -.72 | 218 | 0 | -.37 | 266 | 0 | -.83 | 913 | 0 | -.66 | 115 | 1 | -.48 |
| 110 | 0 | -.63 | 219 | 0 | -.39 | 267 | 0 | -.78 | 914 | 0 | -.66 | 116 | 1 | -.47 |
| 111 | 0 | -.74 | 220 | 0 | -.32 | 268 | 0 | -.76 | 915 | 0 | -.81 | 117 | 1 | -.44 |
| 112 | 0 | -.71 | 221 | 0 | -.33 | 269 | 0 | -.63 | 916 | 0 | -.04 | 118 | 1 | -.44 |
| 113 | 0 | -.68 | 222 | 0 | -.34 | 270 | 0 | -.68 | 917 | 0 | -.69 | 119 | 1 | -.44 |
| 114 | 0 | -.66 | 223 | 0 | -.34 | 271 | 0 | -.66 | 918 | 0 | -.76 | 120 | 1 | -.49 |
| 115 | 0 | -.66 | 224 | 0 | -.32 | 272 | 0 | -.68 | 919 | 0 | -.12 | 121 | 1 | -.50 |
| 116 | 0 | -.77 | 225 | 0 | -.35 | 273 | 0 | -.63 | 920 | 0 | -.66 | 122 | 1 | -.47 |
| 117 | 0 | -.66 | 226 | 0 | -.36 | 274 | 0 | -.46 | 921 | 0 | -.66 | 123 | 1 | -.48 |
| 118 | 0 | -.66 | 227 | 0 | -.35 | 275 | 0 | -.36 | 922 | 0 | -.73 | 124 | 1 | -.48 |
| 119 | 0 | -.66 | 228 | 0 | -.37 | 276 | 0 | -.42 | 923 | 0 | -.57 | 125 | 1 | -.49 |
| 120 | 0 | -.66 | 229 | 0 | -.42 | 277 | 0 | -.41 | 924 | 0 | -.70 | 126 | 1 | -.42 |
| 121 | 0 | -.66 | 230 | 0 | -.38 | 278 | 0 | -.46 | 925 | 0 | -.77 | 127 | 1 | -.44 |
| 122 | 0 | -.66 | 231 | 0 | -.38 | 279 | 0 | -.44 | 926 | 0 | -.72 | 128 | 1 | -.44 |
| 123 | 0 | -.77 | 232 | 0 | -.36 | 280 | 0 | -.47 | 927 | 0 | -.47 | 129 | 1 | -.44 |
| 124 | 0 | -.77 | 233 | 0 | -.36 | 281 | 0 | -.44 | 928 | 0 | -.61 | 130 | 1 | -.44 |
| 125 | 0 | -.77 | 234 | 0 | -.35 | 282 | 0 | -.47 | 929 | 0 | -.64 | 131 | 1 | -.44 |
| 126 | 0 | -.76 | 235 | 0 | -.36 | 283 | 0 | -.47 | 930 | 0 | -.63 | 132 | 1 | -.47 |
| 127 | 0 | -.72 | 236 | 0 | -.38 | 284 | 0 | -.32 | 931 | 0 | -.65 | 133 | 1 | -.49 |
| 128 | 0 | -.72 | 237 | 0 | -.39 | 285 | 0 | -.37 | 932 | 0 | -.48 | 134 | 1 | -.44 |
| 129 | 0 | -.76 | 238 | 0 | -.49 | 286 | 0 | -.76 | 933 | 0 | -.64 | 135 | 1 | -.44 |
| 130 | 0 | -.66 | 239 | 0 | -.46 | 287 | 0 | -.84 | 934 | 0 | -.65 | 136 | 1 | -.40 |
| 131 | -1 | -.29 | 240 | 0 | -.42 | 401 | 0 | -.62 | 935 | 0 | -.47 | 137 | 1 | -.49 |
| 132 | -1 | -.18 | 241 | 0 | -.41 | 402 | 0 | -.49 | 936 | 0 | -.60 | 138 | 1 | -.42 |
| 133 | -1 | -.19 | 242 | 0 | -.38 | 403 | 0 | -.53 | 937 | 0 | -.60 | 139 | 1 | -.45 |
| 134 | -1 | -.19 | 243 | 0 | -.40 | 404 | 0 | -.48 | 938 | 0 | -.56 | 201 | 1 | -.48 |
| 135 | -1 | -.23 | 244 | 0 | -.36 | 405 | 0 | -.56 | 939 | 0 | -.56 | 202 | 1 | -.44 |
| 136 | -1 | -.23 | 245 | 0 | -.38 | 501 | 0 | -.57 | 940 | 0 | -.62 | 203 | 1 | -.44 |
| 137 | -1 | -.13 | 246 | 0 | -.37 | 502 | 0 | -.58 | 941 | 0 | -.39 | 204 | 1 | -.41 |
| 138 | -1 | -.13 | 247 | 0 | -.55 | 503 | 0 | -.57 | 942 | 0 | -.53 | 205 | 1 | -.38 |
| 139 | -1 | -.13 | 248 | 0 | -.52 | 504 | 0 | -.57 | 943 | 0 | -.59 | 206 | 1 | -.40 |
| 200 | 0 | -.33 | 249 | 0 | -.49 | 505 | 0 | -.55 | 944 | 0 | -.65 | 207 | 1 | -.44 |
| 201 | 0 | -.33 | 250 | 0 | -.46 | 506 | 0 | -.59 | 945 | 0 | -.58 | 208 | 1 | -.42 |
| 202 | 0 | -.33 | 251 | 0 | -.41 | 507 | 0 | -.60 | 946 | 0 | -.56 | 209 | 1 | -.40 |
| 203 | 0 | -.33 | 252 | 0 | -.40 | 608 | 0 | -.60 | 101 | 1 | -.44 | 210 | 1 | -.40 |
| 204 | 0 | -.33 | 253 | 0 | -.40 | 609 | 0 | -.60 | 102 | 1 | -.44 | 211 | 1 | -.40 |
| 205 | 0 | -.42 | 254 | 0 | -.39 | 901 | 0 | -.78 | 103 | 1 | -.47 | 212 | 1 | -.40 |
| 206 | 0 | -.41 | 255 | 0 | -.41 | 902 | 0 | -.84 | 104 | 1 | -.47 | 213 | 1 | -.44 |
| 207 | 0 | -.40 | 256 | 0 | -.60 | 903 | 0 | -.72 | 105 | 1 | -.51 | 214 | 1 | -.44 |
| 208 | 0 | -.40 | 257 | 0 | -.60 | 904 | 0 | -.65 | 106 | 1 | -.46 | 215 | 1 | -.47 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDEMBERG CONFIGURATION D

| TAP | AZI-NUTH | ANSCPH | TAP | AZI-NUTH | ANSCPH | TAP | AZI-NUTH | ANSCPH | TAP | AZI-NUTH | ANSCPH | TAP | AZI-NUTH | ANSCPH |
|------|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|
| 1176 | 1155 | 44 | 264 | 1155 | 52 | 911 | 1155 | 59 | 113 | 30 | 43 | 222 | 30 | 40 |
| 1177 | 1155 | 44 | 265 | 1155 | 52 | 912 | 1155 | 59 | 114 | 30 | 43 | 223 | 30 | 41 |
| 1178 | 1155 | 44 | 266 | 1155 | 52 | 913 | 1155 | 59 | 115 | 30 | 43 | 224 | 30 | 41 |
| 1179 | 1155 | 44 | 267 | 1155 | 52 | 914 | 1155 | 59 | 116 | 30 | 42 | 225 | 30 | 46 |
| 1180 | 1155 | 44 | 268 | 1155 | 52 | 915 | 1155 | 59 | 117 | 30 | 40 | 226 | 30 | 49 |
| 1181 | 1155 | 44 | 269 | 1155 | 52 | 916 | 1155 | 59 | 118 | 30 | 42 | 227 | 30 | 48 |
| 1182 | 1155 | 44 | 270 | 1155 | 52 | 917 | 1155 | 59 | 119 | 30 | 44 | 228 | 30 | 45 |
| 1183 | 1155 | 44 | 271 | 1155 | 52 | 918 | 1155 | 59 | 120 | 30 | 44 | 229 | 30 | 47 |
| 1184 | 1155 | 44 | 272 | 1155 | 52 | 919 | 1155 | 59 | 121 | 30 | 46 | 230 | 30 | 45 |
| 1185 | 1155 | 44 | 273 | 1155 | 52 | 920 | 1155 | 59 | 122 | 30 | 46 | 231 | 30 | 48 |
| 1186 | 1155 | 44 | 274 | 1155 | 52 | 921 | 1155 | 59 | 123 | 30 | 47 | 232 | 30 | 48 |
| 1187 | 1155 | 44 | 275 | 1155 | 52 | 922 | 1155 | 59 | 124 | 30 | 46 | 233 | 30 | 48 |
| 1188 | 1155 | 44 | 276 | 1155 | 52 | 923 | 1155 | 59 | 125 | 30 | 50 | 234 | 30 | 48 |
| 1189 | 1155 | 44 | 277 | 1155 | 52 | 924 | 1155 | 59 | 126 | 30 | 53 | 235 | 30 | 49 |
| 1190 | 1155 | 44 | 278 | 1155 | 52 | 925 | 1155 | 59 | 127 | 30 | 51 | 236 | 30 | 47 |
| 1191 | 1155 | 44 | 279 | 1155 | 52 | 926 | 1155 | 59 | 128 | 30 | 52 | 237 | 30 | 48 |
| 1192 | 1155 | 44 | 280 | 1155 | 52 | 927 | 1155 | 59 | 129 | 30 | 54 | 238 | 30 | 48 |
| 1193 | 1155 | 44 | 281 | 1155 | 52 | 928 | 1155 | 59 | 130 | 30 | 51 | 239 | 30 | 48 |
| 1194 | 1155 | 44 | 282 | 1155 | 52 | 929 | 1155 | 59 | 131 | 30 | 55 | 240 | 30 | 01 |
| 1195 | 1155 | 44 | 283 | 1155 | 52 | 930 | 1155 | 59 | 132 | 30 | 55 | 241 | 30 | 11 |
| 1196 | 1155 | 44 | 284 | 1155 | 52 | 931 | 1155 | 59 | 133 | 30 | 55 | 242 | 30 | 11 |
| 1197 | 1155 | 44 | 285 | 1155 | 52 | 932 | 1155 | 59 | 134 | 30 | 55 | 243 | 30 | 11 |
| 1198 | 1155 | 44 | 286 | 1155 | 52 | 933 | 1155 | 59 | 135 | 30 | 53 | 244 | 30 | 11 |
| 1199 | 1155 | 44 | 287 | 1155 | 52 | 934 | 1155 | 59 | 136 | 30 | 54 | 245 | 30 | 00 |
| 1200 | 1155 | 44 | 288 | 1155 | 52 | 935 | 1155 | 59 | 137 | 30 | 53 | 246 | 30 | 00 |
| 1201 | 1155 | 44 | 289 | 1155 | 52 | 936 | 1155 | 59 | 138 | 30 | 55 | 247 | 30 | 00 |
| 1202 | 1155 | 44 | 290 | 1155 | 52 | 937 | 1155 | 59 | 139 | 30 | 59 | 248 | 30 | 00 |
| 1203 | 1155 | 44 | 291 | 1155 | 52 | 938 | 1155 | 59 | 140 | 30 | 42 | 249 | 30 | 21 |
| 1204 | 1155 | 44 | 292 | 1155 | 52 | 939 | 1155 | 59 | 201 | 30 | 42 | 250 | 30 | 00 |
| 1205 | 1155 | 44 | 293 | 1155 | 52 | 940 | 1155 | 59 | 202 | 30 | 40 | 251 | 30 | 00 |
| 1206 | 1155 | 44 | 294 | 1155 | 52 | 941 | 1155 | 59 | 203 | 30 | 42 | 252 | 30 | 14 |
| 1207 | 1155 | 44 | 295 | 1155 | 52 | 942 | 1155 | 59 | 204 | 30 | 48 | 253 | 30 | 77 |
| 1208 | 1155 | 44 | 296 | 1155 | 52 | 943 | 1155 | 59 | 205 | 30 | 46 | 254 | 30 | 33 |
| 1209 | 1155 | 44 | 297 | 1155 | 52 | 944 | 1155 | 59 | 206 | 30 | 50 | 255 | 30 | 00 |
| 1210 | 1155 | 44 | 298 | 1155 | 52 | 945 | 1155 | 59 | 207 | 30 | 52 | 256 | 30 | 22 |
| 1211 | 1155 | 44 | 299 | 1155 | 52 | 946 | 1155 | 59 | 208 | 30 | 49 | 257 | 30 | 55 |
| 1212 | 1155 | 44 | 300 | 1155 | 52 | 947 | 1155 | 59 | 209 | 30 | 47 | 258 | 30 | 55 |
| 1213 | 1155 | 44 | 301 | 1155 | 52 | 101 | 1155 | 59 | 210 | 30 | 46 | 259 | 30 | 00 |
| 1214 | 1155 | 44 | 302 | 1155 | 52 | 102 | 1155 | 59 | 211 | 30 | 43 | 260 | 30 | 00 |
| 1215 | 1155 | 44 | 303 | 1155 | 52 | 103 | 1155 | 59 | 212 | 30 | 41 | 261 | 30 | 00 |
| 1216 | 1155 | 44 | 304 | 1155 | 52 | 104 | 1155 | 59 | 213 | 30 | 41 | 262 | 30 | 00 |
| 1217 | 1155 | 44 | 305 | 1155 | 52 | 105 | 1155 | 59 | 214 | 30 | 43 | 263 | 30 | 00 |
| 1218 | 1155 | 44 | 306 | 1155 | 52 | 106 | 1155 | 59 | 215 | 30 | 50 | 264 | 30 | 22 |
| 1219 | 1155 | 44 | 307 | 1155 | 52 | 107 | 1155 | 59 | 216 | 30 | 54 | 265 | 30 | 14 |
| 1220 | 1155 | 44 | 308 | 1155 | 52 | 108 | 1155 | 59 | 217 | 30 | 51 | 266 | 30 | 08 |
| 1221 | 1155 | 44 | 309 | 1155 | 52 | 109 | 1155 | 59 | 218 | 30 | 48 | 267 | 30 | 75 |
| 1222 | 1155 | 44 | 310 | 1155 | 52 | 110 | 1155 | 59 | 219 | 30 | 45 | 268 | 30 | 00 |
| 1223 | 1155 | 44 | 311 | 1155 | 52 | 111 | 1155 | 59 | 220 | 30 | 45 | 269 | 30 | 00 |
| 1224 | 1155 | 44 | 312 | 1155 | 52 | 112 | 1155 | 59 | 221 | 30 | 43 | 270 | 30 | 00 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION D

| TAP | AZI-HUTH | ANSCPM | TAP | AZI-HUTH | ANSCPM | TAP | AZI-HUTH | ANSCPM | TAP | AZI-HUTH | ANSCPM | TAP | AZI-HUTH | ANSCPM |
|------|----------|--------|------|----------|--------|------|----------|--------|------|----------|--------|------|----------|--------|
| 917 | 455 | -.44 | 918 | 455 | -.44 | 919 | 455 | -.44 | 920 | 455 | -.44 | 921 | 455 | -.44 |
| 922 | 455 | -.44 | 923 | 455 | -.44 | 924 | 455 | -.44 | 925 | 455 | -.44 | 926 | 455 | -.44 |
| 927 | 455 | -.44 | 928 | 455 | -.44 | 929 | 455 | -.44 | 930 | 455 | -.44 | 931 | 455 | -.44 |
| 932 | 455 | -.44 | 933 | 455 | -.44 | 934 | 455 | -.44 | 935 | 455 | -.44 | 936 | 455 | -.44 |
| 937 | 455 | -.44 | 938 | 455 | -.44 | 939 | 455 | -.44 | 940 | 455 | -.44 | 941 | 455 | -.44 |
| 942 | 455 | -.44 | 943 | 455 | -.44 | 944 | 455 | -.44 | 945 | 455 | -.44 | 946 | 455 | -.44 |
| 947 | 455 | -.44 | 948 | 455 | -.44 | 949 | 455 | -.44 | 950 | 455 | -.44 | 951 | 455 | -.44 |
| 952 | 455 | -.44 | 953 | 455 | -.44 | 954 | 455 | -.44 | 955 | 455 | -.44 | 956 | 455 | -.44 |
| 957 | 455 | -.44 | 958 | 455 | -.44 | 959 | 455 | -.44 | 960 | 455 | -.44 | 961 | 455 | -.44 |
| 962 | 455 | -.44 | 963 | 455 | -.44 | 964 | 455 | -.44 | 965 | 455 | -.44 | 966 | 455 | -.44 |
| 967 | 455 | -.44 | 968 | 455 | -.44 | 969 | 455 | -.44 | 970 | 455 | -.44 | 971 | 455 | -.44 |
| 972 | 455 | -.44 | 973 | 455 | -.44 | 974 | 455 | -.44 | 975 | 455 | -.44 | 976 | 455 | -.44 |
| 977 | 455 | -.44 | 978 | 455 | -.44 | 979 | 455 | -.44 | 980 | 455 | -.44 | 981 | 455 | -.44 |
| 982 | 455 | -.44 | 983 | 455 | -.44 | 984 | 455 | -.44 | 985 | 455 | -.44 | 986 | 455 | -.44 |
| 987 | 455 | -.44 | 988 | 455 | -.44 | 989 | 455 | -.44 | 990 | 455 | -.44 | 991 | 455 | -.44 |
| 992 | 455 | -.44 | 993 | 455 | -.44 | 994 | 455 | -.44 | 995 | 455 | -.44 | 996 | 455 | -.44 |
| 997 | 455 | -.44 | 998 | 455 | -.44 | 999 | 455 | -.44 | 1000 | 455 | -.44 | 1001 | 455 | -.44 |
| 1002 | 455 | -.44 | 1003 | 455 | -.44 | 1004 | 455 | -.44 | 1005 | 455 | -.44 | 1006 | 455 | -.44 |
| 1007 | 455 | -.44 | 1008 | 455 | -.44 | 1009 | 455 | -.44 | 1010 | 455 | -.44 | 1011 | 455 | -.44 |
| 1012 | 455 | -.44 | 1013 | 455 | -.44 | 1014 | 455 | -.44 | 1015 | 455 | -.44 | 1016 | 455 | -.44 |
| 1017 | 455 | -.44 | 1018 | 455 | -.44 | 1019 | 455 | -.44 | 1020 | 455 | -.44 | 1021 | 455 | -.44 |
| 1022 | 455 | -.44 | 1023 | 455 | -.44 | 1024 | 455 | -.44 | 1025 | 455 | -.44 | 1026 | 455 | -.44 |
| 1027 | 455 | -.44 | 1028 | 455 | -.44 | 1029 | 455 | -.44 | 1030 | 455 | -.44 | 1031 | 455 | -.44 |
| 1032 | 455 | -.44 | 1033 | 455 | -.44 | 1034 | 455 | -.44 | 1035 | 455 | -.44 | 1036 | 455 | -.44 |
| 1037 | 455 | -.44 | 1038 | 455 | -.44 | 1039 | 455 | -.44 | 1040 | 455 | -.44 | 1041 | 455 | -.44 |
| 1042 | 455 | -.44 | 1043 | 455 | -.44 | 1044 | 455 | -.44 | 1045 | 455 | -.44 | 1046 | 455 | -.44 |
| 1047 | 455 | -.44 | 1048 | 455 | -.44 | 1049 | 455 | -.44 | 1050 | 455 | -.44 | 1051 | 455 | -.44 |
| 1052 | 455 | -.44 | 1053 | 455 | -.44 | 1054 | 455 | -.44 | 1055 | 455 | -.44 | 1056 | 455 | -.44 |
| 1057 | 455 | -.44 | 1058 | 455 | -.44 | 1059 | 455 | -.44 | 1060 | 455 | -.44 | 1061 | 455 | -.44 |
| 1062 | 455 | -.44 | 1063 | 455 | -.44 | 1064 | 455 | -.44 | 1065 | 455 | -.44 | 1066 | 455 | -.44 |
| 1067 | 455 | -.44 | 1068 | 455 | -.44 | 1069 | 455 | -.44 | 1070 | 455 | -.44 | 1071 | 455 | -.44 |
| 1072 | 455 | -.44 | 1073 | 455 | -.44 | 1074 | 455 | -.44 | 1075 | 455 | -.44 | 1076 | 455 | -.44 |
| 1077 | 455 | -.44 | 1078 | 455 | -.44 | 1079 | 455 | -.44 | 1080 | 455 | -.44 | 1081 | 455 | -.44 |
| 1082 | 455 | -.44 | 1083 | 455 | -.44 | 1084 | 455 | -.44 | 1085 | 455 | -.44 | 1086 | 455 | -.44 |
| 1087 | 455 | -.44 | 1088 | 455 | -.44 | 1089 | 455 | -.44 | 1090 | 455 | -.44 | 1091 | 455 | -.44 |
| 1092 | 455 | -.44 | 1093 | 455 | -.44 | 1094 | 455 | -.44 | 1095 | 455 | -.44 | 1096 | 455 | -.44 |
| 1097 | 455 | -.44 | 1098 | 455 | -.44 | 1099 | 455 | -.44 | 1100 | 455 | -.44 | 1101 | 455 | -.44 |
| 1102 | 455 | -.44 | 1103 | 455 | -.44 | 1104 | 455 | -.44 | 1105 | 455 | -.44 | 1106 | 455 | -.44 |
| 1107 | 455 | -.44 | 1108 | 455 | -.44 | 1109 | 455 | -.44 | 1110 | 455 | -.44 | 1111 | 455 | -.44 |
| 1112 | 455 | -.44 | 1113 | 455 | -.44 | 1114 | 455 | -.44 | 1115 | 455 | -.44 | 1116 | 455 | -.44 |
| 1117 | 455 | -.44 | 1118 | 455 | -.44 | 1119 | 455 | -.44 | 1120 | 455 | -.44 | 1121 | 455 | -.44 |
| 1122 | 455 | -.44 | 1123 | 455 | -.44 | 1124 | 455 | -.44 | 1125 | 455 | -.44 | 1126 | 455 | -.44 |
| 1127 | 455 | -.44 | 1128 | 455 | -.44 | 1129 | 455 | -.44 | 1130 | 455 | -.44 | 1131 | 455 | -.44 |
| 1132 | 455 | -.44 | 1133 | 455 | -.44 | 1134 | 455 | -.44 | 1135 | 455 | -.44 | 1136 | 455 | -.44 |
| 1137 | 455 | -.44 | 1138 | 455 | -.44 | 1139 | 455 | -.44 | 1140 | 455 | -.44 | 1141 | 455 | -.44 |
| 1142 | 455 | -.44 | 1143 | 455 | -.44 | 1144 | 455 | -.44 | 1145 | 455 | -.44 | 1146 | 455 | -.44 |
| 1147 | 455 | -.44 | 1148 | 455 | -.44 | 1149 | 455 | -.44 | 1150 | 455 | -.44 | 1151 | 455 | -.44 |
| 1152 | 455 | -.44 | 1153 | 455 | -.44 | 1154 | 455 | -.44 | 1155 | 455 | -.44 | 1156 | 455 | -.44 |
| 1157 | 455 | -.44 | 1158 | 455 | -.44 | 1159 | 455 | -.44 | 1160 | 455 | -.44 | 1161 | 455 | -.44 |
| 1162 | 455 | -.44 | 1163 | 455 | -.44 | 1164 | 455 | -.44 | 1165 | 455 | -.44 | 1166 | 455 | -.44 |
| 1167 | 455 | -.44 | 1168 | 455 | -.44 | 1169 | 455 | -.44 | 1170 | 455 | -.44 | 1171 | 455 | -.44 |
| 1172 | 455 | -.44 | 1173 | 455 | -.44 | 1174 | 455 | -.44 | 1175 | 455 | -.44 | 1176 | 455 | -.44 |
| 1177 | 455 | -.44 | 1178 | 455 | -.44 | 1179 | 455 | -.44 | 1180 | 455 | -.44 | 1181 | 455 | -.44 |
| 1182 | 455 | -.44 | 1183 | 455 | -.44 | 1184 | 455 | -.44 | 1185 | 455 | -.44 | 1186 | 455 | -.44 |
| 1187 | 455 | -.44 | 1188 | 455 | -.44 | 1189 | 455 | -.44 | 1190 | 455 | -.44 | 1191 | 455 | -.44 |
| 1192 | 455 | -.44 | 1193 | 455 | -.44 | 1194 | 455 | -.44 | 1195 | 455 | -.44 | 1196 | 455 | -.44 |
| 1197 | 455 | -.44 | 1198 | 455 | -.44 | 1199 | 455 | -.44 | 1200 | 455 | -.44 | 1201 | 455 | -.44 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION D

| TAP | AZI-MUTH | ANSCPH | TAP | AZI-MUTH | ANSCPH | TAP | AZI-MUTH | ANSCPH | TAP | AZI-MUTH | ANSCPH | TAP | AZI-MUTH | ANSCPH |
|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|
| 923 | 45 | .31 | 125 | 60 | .41 | 234 | 60 | .54 | 309 | 60 | .45 | 929 | 60 | .33 |
| 924 | 45 | .47 | 126 | 60 | .44 | 235 | 60 | .55 | 310 | 60 | .40 | 930 | 60 | .41 |
| 925 | 45 | .50 | 127 | 60 | .43 | 236 | 60 | .54 | 311 | 60 | .49 | 931 | 60 | .54 |
| 926 | 45 | .55 | 128 | 60 | .46 | 237 | 60 | .54 | 312 | 60 | .42 | 932 | 60 | .04 |
| 927 | 45 | .69 | 129 | 60 | .48 | 238 | 60 | .55 | 313 | 60 | .70 | 933 | 60 | .23 |
| 928 | 45 | .69 | 130 | 60 | .69 | 239 | 60 | .66 | 314 | 60 | .52 | 934 | 60 | .32 |
| 929 | 45 | .43 | 131 | 60 | .74 | 240 | 60 | .66 | 401 | 60 | .17 | 935 | 60 | .52 |
| 930 | 45 | .43 | 132 | 60 | .73 | 241 | 60 | .68 | 402 | 60 | .13 | 936 | 60 | .70 |
| 931 | 45 | .43 | 133 | 60 | .74 | 242 | 60 | .68 | 403 | 60 | .29 | 937 | 60 | .58 |
| 932 | 45 | .14 | 134 | 60 | .75 | 243 | 60 | .66 | 404 | 60 | .02 | 938 | 60 | .36 |
| 933 | 45 | .36 | 135 | 60 | .69 | 244 | 60 | .66 | 405 | 60 | .11 | 939 | 60 | .44 |
| 934 | 45 | .44 | 136 | 60 | .74 | 245 | 60 | .66 | 501 | 60 | .58 | 940 | 60 | .61 |
| 935 | 45 | .60 | 137 | 60 | .73 | 246 | 60 | .66 | 502 | 60 | .65 | 941 | 60 | .20 |
| 936 | 45 | .65 | 138 | 60 | .75 | 247 | 60 | .77 | 503 | 60 | .66 | 942 | 60 | .25 |
| 937 | 45 | .60 | 139 | 60 | .77 | 248 | 60 | .44 | 504 | 60 | .63 | 943 | 60 | .24 |
| 938 | 45 | .44 | 201 | 60 | .51 | 249 | 60 | .66 | 505 | 60 | .53 | 944 | 60 | .47 |
| 939 | 45 | .55 | 202 | 60 | .50 | 250 | 60 | .66 | 506 | 60 | .56 | 945 | 60 | .71 |
| 940 | 45 | .51 | 203 | 60 | .47 | 251 | 60 | .66 | 507 | 60 | .60 | 946 | 60 | .54 |
| 941 | 45 | .24 | 204 | 60 | .54 | 252 | 60 | .66 | 508 | 60 | .69 | 101 | 75 | .24 |
| 942 | 45 | .45 | 205 | 60 | .50 | 253 | 60 | .66 | 509 | 60 | .67 | 102 | 75 | .24 |
| 943 | 45 | .43 | 206 | 60 | .49 | 254 | 60 | .66 | 901 | 60 | .53 | 103 | 75 | .24 |
| 944 | 45 | .51 | 207 | 60 | .57 | 255 | 60 | .66 | 902 | 60 | .61 | 104 | 75 | .25 |
| 945 | 45 | .77 | 208 | 60 | .51 | 256 | 60 | .66 | 903 | 60 | .31 | 105 | 75 | .25 |
| 946 | 45 | .55 | 209 | 60 | .51 | 257 | 60 | .66 | 904 | 60 | .44 | 106 | 75 | .26 |
| 101 | 60 | .22 | 210 | 60 | .51 | 258 | 60 | .66 | 905 | 60 | .55 | 107 | 75 | .26 |
| 102 | 60 | .38 | 211 | 60 | .51 | 259 | 60 | .66 | 906 | 60 | .86 | 108 | 75 | .26 |
| 103 | 60 | .44 | 212 | 60 | .48 | 260 | 60 | .66 | 907 | 60 | 1.06 | 109 | 75 | .27 |
| 104 | 60 | .33 | 213 | 60 | .50 | 261 | 60 | .71 | 908 | 60 | .86 | 110 | 75 | .28 |
| 105 | 60 | .33 | 214 | 60 | .48 | 262 | 60 | .74 | 909 | 60 | .76 | 111 | 75 | .26 |
| 106 | 60 | .33 | 215 | 60 | .50 | 263 | 60 | .70 | 910 | 60 | .43 | 112 | 75 | .27 |
| 107 | 60 | .44 | 216 | 60 | .51 | 264 | 60 | .66 | 911 | 60 | .51 | 113 | 75 | .27 |
| 108 | 60 | .44 | 217 | 60 | .52 | 265 | 60 | .75 | 912 | 60 | .60 | 114 | 75 | .29 |
| 109 | 60 | .44 | 218 | 60 | .52 | 266 | 60 | .70 | 913 | 60 | .32 | 115 | 75 | .28 |
| 110 | 60 | .47 | 219 | 60 | .48 | 267 | 60 | .80 | 914 | 60 | .43 | 116 | 75 | .28 |
| 111 | 60 | .33 | 220 | 60 | .51 | 268 | 60 | .81 | 915 | 60 | .57 | 117 | 75 | .26 |
| 112 | 60 | .37 | 221 | 60 | .51 | 269 | 60 | .96 | 916 | 60 | .92 | 118 | 75 | .28 |
| 113 | 60 | .33 | 222 | 60 | .49 | 270 | 60 | .99 | 917 | 60 | 1.05 | 119 | 75 | .30 |
| 114 | 60 | .39 | 223 | 60 | .48 | 271 | 60 | .99 | 918 | 60 | .54 | 120 | 75 | .27 |
| 115 | 60 | .66 | 224 | 60 | .52 | 272 | 60 | .95 | 919 | 60 | .74 | 121 | 75 | .29 |
| 116 | 60 | .66 | 225 | 60 | .52 | 273 | 60 | .94 | 920 | 60 | .32 | 122 | 75 | .30 |
| 117 | 60 | .66 | 226 | 60 | .51 | 301 | 60 | .65 | 921 | 60 | .37 | 123 | 75 | .32 |
| 118 | 60 | .37 | 227 | 60 | .52 | 302 | 60 | .65 | 922 | 60 | .44 | 124 | 75 | .34 |
| 119 | 60 | .39 | 228 | 60 | .50 | 303 | 60 | .65 | 923 | 60 | .23 | 125 | 75 | .29 |
| 120 | 60 | .37 | 229 | 60 | .60 | 304 | 60 | .62 | 924 | 60 | .38 | 126 | 75 | .30 |
| 121 | 60 | .39 | 230 | 60 | .58 | 305 | 60 | .41 | 925 | 60 | .41 | 127 | 75 | .33 |
| 122 | 60 | .40 | 231 | 60 | .55 | 306 | 60 | .34 | 926 | 60 | .56 | 128 | 75 | .35 |
| 123 | 60 | .44 | 232 | 60 | .56 | 307 | 60 | .41 | 927 | 60 | .77 | 129 | 75 | .37 |
| 124 | 60 | .43 | 233 | 60 | .56 | 308 | 60 | .37 | 928 | 60 | .73 | 130 | 75 | .48 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION D

| TAP | AZI-HUTH | ANSCPM | TAP | AZI-HUTH | ANSCPM | TAP | AZI-HUTH | ANSCPM | TAP | AZI-HUTH | ANSCPM | TAP | AZI-HUTH | ANSCPM |
|-------|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|
| 13301 | 75 | .52 | 240 | 75 | .43 | 401 | 75 | .17 | 935 | 75 | .36 | 137 | 90 | .29 |
| 13302 | 75 | .51 | 241 | 75 | .44 | 402 | 75 | .02 | 936 | 75 | .30 | 138 | 90 | .29 |
| 13303 | 75 | .50 | 242 | 75 | .49 | 403 | 75 | .08 | 937 | 75 | .42 | 139 | 90 | .30 |
| 13304 | 75 | .50 | 243 | 75 | .54 | 404 | 75 | .03 | 938 | 75 | .23 | 201 | 90 | .18 |
| 13305 | 75 | .50 | 244 | 75 | .54 | 405 | 75 | .03 | 939 | 75 | .21 | 202 | 90 | .18 |
| 13306 | 75 | .50 | 245 | 75 | .53 | 501 | 75 | .41 | 940 | 75 | .36 | 203 | 90 | .23 |
| 13307 | 75 | .50 | 246 | 75 | .51 | 502 | 75 | .47 | 941 | 75 | .03 | 204 | 90 | .34 |
| 13308 | 75 | .50 | 247 | 75 | .47 | 503 | 75 | .48 | 942 | 75 | .10 | 205 | 90 | .39 |
| 13309 | 75 | .50 | 248 | 75 | .46 | 504 | 75 | .49 | 943 | 75 | .14 | 206 | 90 | .41 |
| 13310 | 75 | .49 | 249 | 75 | .48 | 505 | 75 | .47 | 944 | 75 | .16 | 207 | 90 | .34 |
| 13311 | 75 | .41 | 250 | 75 | .52 | 506 | 75 | .38 | 945 | 75 | .32 | 208 | 90 | .37 |
| 13312 | 75 | .41 | 251 | 75 | .56 | 507 | 75 | .45 | 946 | 75 | .37 | 209 | 90 | .41 |
| 13313 | 75 | .46 | 252 | 75 | .60 | 508 | 75 | .51 | 101 | 90 | .20 | 210 | 90 | .13 |
| 13314 | 75 | .44 | 253 | 75 | .62 | 509 | 75 | .51 | 102 | 90 | .20 | 211 | 90 | .14 |
| 13315 | 75 | .44 | 254 | 75 | .63 | 510 | 75 | .22 | 103 | 90 | .20 | 212 | 90 | .21 |
| 13316 | 75 | .44 | 255 | 75 | .59 | 511 | 75 | .22 | 104 | 90 | .19 | 213 | 90 | .18 |
| 13317 | 75 | .44 | 256 | 75 | .53 | 512 | 75 | .08 | 105 | 90 | .19 | 214 | 90 | .16 |
| 13318 | 75 | .44 | 257 | 75 | .50 | 513 | 75 | .23 | 106 | 90 | .21 | 215 | 90 | .23 |
| 13319 | 75 | .44 | 258 | 75 | .54 | 514 | 75 | .35 | 107 | 90 | .21 | 216 | 90 | .29 |
| 13320 | 75 | .40 | 259 | 75 | .58 | 515 | 75 | .52 | 108 | 90 | .21 | 217 | 90 | .37 |
| 13321 | 75 | .38 | 260 | 75 | .59 | 516 | 75 | .55 | 109 | 90 | .21 | 218 | 90 | .46 |
| 13322 | 75 | .41 | 261 | 75 | .68 | 517 | 75 | .55 | 110 | 90 | .20 | 219 | 90 | .50 |
| 13323 | 75 | .42 | 262 | 75 | .72 | 518 | 75 | .59 | 111 | 90 | .21 | 220 | 90 | .51 |
| 13324 | 75 | .45 | 263 | 75 | .70 | 519 | 75 | .59 | 112 | 90 | .22 | 221 | 90 | .52 |
| 13325 | 75 | .45 | 264 | 75 | .69 | 520 | 75 | .59 | 113 | 90 | .22 | 222 | 90 | .53 |
| 13326 | 75 | .45 | 265 | 75 | .71 | 521 | 75 | .52 | 114 | 90 | .22 | 223 | 90 | .53 |
| 13327 | 75 | .45 | 266 | 75 | .65 | 522 | 75 | .07 | 115 | 90 | .21 | 224 | 90 | .57 |
| 13328 | 75 | .42 | 267 | 75 | .74 | 523 | 75 | .24 | 116 | 90 | .21 | 225 | 90 | .26 |
| 13329 | 75 | .42 | 268 | 75 | .81 | 524 | 75 | .35 | 117 | 90 | .18 | 226 | 90 | .34 |
| 13330 | 75 | .42 | 269 | 75 | .84 | 525 | 75 | .54 | 118 | 90 | .18 | 227 | 90 | .44 |
| 13331 | 75 | .41 | 270 | 75 | .91 | 526 | 75 | .60 | 119 | 90 | .18 | 228 | 90 | .49 |
| 13332 | 75 | .43 | 271 | 75 | .96 | 527 | 75 | .46 | 120 | 90 | .21 | 229 | 90 | .23 |
| 13333 | 75 | .46 | 272 | 75 | .95 | 528 | 75 | .57 | 121 | 90 | .21 | 230 | 90 | .16 |
| 13334 | 75 | .48 | 273 | 75 | .94 | 529 | 75 | .19 | 122 | 90 | .20 | 231 | 90 | .14 |
| 13335 | 75 | .52 | 301 | 75 | .14 | 530 | 75 | .25 | 123 | 90 | .20 | 232 | 90 | .16 |
| 13336 | 75 | .59 | 302 | 75 | .04 | 531 | 75 | .37 | 124 | 90 | .20 | 233 | 90 | .20 |
| 13337 | 75 | .62 | 303 | 75 | .07 | 532 | 75 | .64 | 125 | 90 | .20 | 234 | 90 | .29 |
| 13338 | 75 | .44 | 304 | 75 | .02 | 533 | 75 | .17 | 126 | 90 | .21 | 235 | 90 | .37 |
| 13339 | 75 | .41 | 305 | 75 | .07 | 534 | 75 | .20 | 127 | 90 | .18 | 236 | 90 | .48 |
| 13340 | 75 | .40 | 306 | 75 | .02 | 535 | 75 | .39 | 128 | 90 | .18 | 237 | 90 | .55 |
| 13341 | 75 | .43 | 307 | 75 | .06 | 536 | 75 | .55 | 129 | 90 | .18 | 238 | 90 | .52 |
| 13342 | 75 | .45 | 308 | 75 | .02 | 537 | 75 | .55 | 130 | 90 | .31 | 239 | 90 | .14 |
| 13343 | 75 | .47 | 309 | 75 | .10 | 538 | 75 | .20 | 131 | 90 | .34 | 240 | 90 | .16 |
| 13344 | 75 | .52 | 310 | 75 | .04 | 539 | 75 | .24 | 132 | 90 | .39 | 241 | 90 | .19 |
| 13345 | 75 | .53 | 311 | 75 | .08 | 540 | 75 | .43 | 133 | 90 | .39 | 242 | 90 | .22 |
| 13346 | 75 | .55 | 312 | 75 | .03 | 541 | 75 | .64 | 134 | 90 | .39 | 243 | 90 | .30 |
| 13347 | 75 | .52 | 313 | 75 | .27 | 542 | 75 | .10 | 135 | 90 | .32 | 244 | 90 | .42 |
| 13348 | 75 | .47 | 314 | 75 | .07 | 543 | 75 | .21 | 136 | 90 | .33 | 245 | 90 | .50 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION D

| TAP | AZI- MUTH | ANSCPM | TAP | AZI- MUTH | ANSCPM | TAP | AZI- MUTH | ANSCPM | TAP | AZI- MUTH | ANSCPM | TAP | AZI- MUTH | ANSCPM |
|-----|--------------|--------|-----|--------------|--------|-----|--------------|--------|-----|--------------|--------|-----|--------------|--------|
| 246 | 90 | -.54 | 502 | 90 | -.23 | 941 | 90 | -.09 | 204 | 105 | -.31 | 252 | 105 | -.11 |
| 247 | 90 | -.16 | 503 | 90 | -.23 | 942 | 90 | -.14 | 205 | 105 | -.31 | 253 | 105 | -.14 |
| 248 | 90 | -.16 | 504 | 90 | -.24 | 943 | 90 | -.19 | 206 | 105 | -.52 | 254 | 105 | -.35 |
| 249 | 90 | -.17 | 505 | 90 | -.20 | 944 | 90 | -.24 | 207 | 105 | -.35 | 255 | 105 | -.51 |
| 250 | 90 | -.19 | 506 | 90 | -.21 | 945 | 90 | -.25 | 208 | 105 | -.45 | 256 | 105 | -.22 |
| 251 | 90 | -.24 | 507 | 90 | -.23 | 946 | 90 | -.21 | 209 | 105 | -.52 | 257 | 105 | -.24 |
| 252 | 90 | -.29 | 508 | 90 | -.26 | 101 | 105 | -.31 | 210 | 105 | -.13 | 258 | 105 | -.18 |
| 253 | 90 | -.40 | 509 | 90 | -.25 | 102 | 105 | -.30 | 211 | 105 | -.10 | 259 | 105 | -.17 |
| 254 | 90 | -.46 | 501 | 90 | -.07 | 103 | 105 | -.28 | 212 | 105 | -.09 | 260 | 105 | -.14 |
| 255 | 90 | -.60 | 502 | 90 | -.18 | 104 | 105 | -.26 | 213 | 105 | -.11 | 261 | 105 | -.13 |
| 256 | 90 | -.14 | 503 | 90 | -.01 | 105 | 105 | -.23 | 214 | 105 | -.15 | 262 | 105 | -.15 |
| 257 | 90 | -.17 | 504 | 90 | -.12 | 106 | 105 | -.34 | 215 | 105 | -.27 | 263 | 105 | -.42 |
| 258 | 90 | -.20 | 505 | 90 | -.16 | 107 | 105 | -.31 | 216 | 105 | -.29 | 264 | 105 | -.53 |
| 259 | 90 | -.24 | 506 | 90 | -.20 | 108 | 105 | -.29 | 217 | 105 | -.28 | 265 | 105 | -.44 |
| 260 | 90 | -.25 | 507 | 90 | -.29 | 109 | 105 | -.28 | 218 | 105 | -.32 | 266 | 105 | -.54 |
| 261 | 90 | -.32 | 508 | 90 | -.35 | 110 | 105 | -.28 | 219 | 105 | -.44 | 267 | 105 | -.53 |
| 262 | 90 | -.36 | 509 | 90 | -.49 | 111 | 105 | -.33 | 220 | 105 | -.09 | 268 | 105 | -.22 |
| 263 | 90 | -.52 | 510 | 90 | -.07 | 112 | 105 | -.30 | 221 | 105 | -.12 | 269 | 105 | -.18 |
| 264 | 90 | -.61 | 511 | 90 | -.11 | 113 | 105 | -.29 | 222 | 105 | -.10 | 270 | 105 | -.17 |
| 265 | 90 | -.25 | 512 | 90 | -.19 | 114 | 105 | -.29 | 223 | 105 | -.10 | 271 | 105 | -.15 |
| 266 | 90 | -.23 | 513 | 90 | -.04 | 115 | 105 | -.35 | 224 | 105 | -.11 | 272 | 105 | -.49 |
| 267 | 90 | -.23 | 514 | 90 | -.09 | 116 | 105 | -.33 | 225 | 105 | -.14 | 273 | 105 | -.51 |
| 268 | 90 | -.28 | 515 | 90 | -.13 | 117 | 105 | -.31 | 226 | 105 | -.15 | 301 | 105 | -.55 |
| 269 | 90 | -.33 | 516 | 90 | -.22 | 118 | 105 | -.29 | 227 | 105 | -.25 | 302 | 105 | -.52 |
| 270 | 90 | -.39 | 517 | 90 | -.27 | 119 | 105 | -.28 | 228 | 105 | -.37 | 303 | 105 | -.52 |
| 271 | 90 | -.46 | 518 | 90 | -.33 | 120 | 105 | -.37 | 229 | 105 | -.33 | 304 | 105 | -.52 |
| 272 | 90 | -.59 | 519 | 90 | -.46 | 121 | 105 | -.36 | 230 | 105 | -.20 | 305 | 105 | -.55 |
| 273 | 90 | -.76 | 520 | 90 | -.07 | 122 | 105 | -.33 | 231 | 105 | -.13 | 306 | 105 | -.52 |
| 301 | 90 | -.57 | 521 | 90 | -.09 | 123 | 105 | -.32 | 232 | 105 | -.11 | 307 | 105 | -.60 |
| 302 | 90 | -.60 | 522 | 90 | -.15 | 124 | 105 | -.32 | 233 | 105 | -.10 | 308 | 105 | -.58 |
| 303 | 90 | -.57 | 523 | 90 | -.02 | 125 | 105 | -.45 | 234 | 105 | -.10 | 309 | 105 | -.66 |
| 304 | 90 | -.58 | 524 | 90 | -.11 | 126 | 105 | -.42 | 235 | 105 | -.11 | 310 | 105 | -.67 |
| 305 | 90 | -.57 | 525 | 90 | -.13 | 127 | 105 | -.36 | 236 | 105 | -.23 | 311 | 105 | -.75 |
| 306 | 90 | -.60 | 526 | 90 | -.22 | 128 | 105 | -.34 | 237 | 105 | -.32 | 312 | 105 | -.77 |
| 307 | 90 | -.63 | 527 | 90 | -.26 | 129 | 105 | -.33 | 238 | 105 | -.19 | 313 | 105 | -.99 |
| 308 | 90 | -.69 | 528 | 90 | -.27 | 130 | 105 | -.70 | 239 | 105 | -.16 | 314 | 105 | -.06 |
| 309 | 90 | -.70 | 529 | 90 | -.11 | 131 | 105 | -.66 | 240 | 105 | -.14 | 401 | 105 | -.08 |
| 310 | 90 | -.81 | 530 | 90 | -.11 | 132 | 105 | -.60 | 241 | 105 | -.12 | 402 | 105 | -.06 |
| 311 | 90 | -.62 | 531 | 90 | -.12 | 133 | 105 | -.57 | 242 | 105 | -.11 | 403 | 105 | -.09 |
| 312 | 90 | -.81 | 532 | 90 | -.04 | 134 | 105 | -.55 | 243 | 105 | -.11 | 404 | 105 | -.02 |
| 313 | 90 | -.64 | 533 | 90 | -.10 | 135 | 105 | -.64 | 244 | 105 | -.13 | 405 | 105 | -.03 |
| 314 | 90 | -.79 | 534 | 90 | -.18 | 136 | 105 | -.62 | 245 | 105 | -.28 | 501 | 105 | -.43 |
| 401 | 90 | -.03 | 535 | 90 | -.25 | 137 | 105 | -.58 | 246 | 105 | -.47 | 502 | 105 | -.39 |
| 402 | 90 | -.02 | 536 | 90 | -.27 | 138 | 105 | -.57 | 247 | 105 | -.21 | 503 | 105 | -.38 |
| 403 | 90 | -.04 | 537 | 90 | -.24 | 139 | 105 | -.56 | 248 | 105 | -.19 | 504 | 105 | -.39 |
| 404 | 90 | -.05 | 538 | 90 | -.15 | 201 | 105 | -.19 | 249 | 105 | -.16 | 505 | 105 | -.37 |
| 405 | 90 | -.08 | 539 | 90 | -.13 | 202 | 105 | -.16 | 250 | 105 | -.14 | 506 | 105 | -.33 |
| 501 | 90 | -.21 | 540 | 90 | -.16 | 203 | 105 | -.18 | 251 | 105 | -.12 | 507 | 105 | -.32 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-YARDENBERG CONFIGURATION D

| TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM |
|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|
| 908 | 105 | 30 | 101 | 120 | 40 | 210 | 120 | 17 | 258 | 120 | 12 | 905 | 120 | 33 |
| 909 | 105 | 33 | 102 | 120 | 38 | 211 | 120 | 19 | 259 | 120 | 07 | 906 | 120 | 44 |
| 901 | 105 | 17 | 103 | 120 | 37 | 212 | 120 | 06 | 260 | 120 | 01 | 907 | 120 | 47 |
| 902 | 105 | 13 | 104 | 120 | 36 | 213 | 120 | 16 | 261 | 120 | 04 | 908 | 120 | 47 |
| 903 | 105 | 09 | 105 | 120 | 33 | 214 | 120 | 20 | 262 | 120 | 05 | 909 | 120 | 47 |
| 904 | 105 | 24 | 106 | 120 | 44 | 215 | 120 | 33 | 263 | 120 | 37 | 910 | 120 | 22 |
| 905 | 105 | 29 | 107 | 120 | 41 | 216 | 120 | 32 | 264 | 120 | 36 | 911 | 120 | 29 |
| 906 | 105 | 39 | 108 | 120 | 37 | 217 | 120 | 29 | 265 | 120 | 47 | 912 | 120 | 44 |
| 907 | 105 | 45 | 109 | 120 | 36 | 218 | 120 | 53 | 266 | 120 | 38 | 913 | 120 | 02 |
| 908 | 105 | 48 | 110 | 120 | 36 | 219 | 120 | 61 | 267 | 120 | 17 | 914 | 120 | 16 |
| 909 | 105 | 52 | 111 | 120 | 40 | 220 | 120 | 12 | 268 | 120 | 06 | 915 | 120 | 30 |
| 910 | 105 | 67 | 112 | 120 | 39 | 221 | 120 | 13 | 269 | 120 | 02 | 916 | 120 | 50 |
| 911 | 105 | 68 | 113 | 120 | 37 | 222 | 120 | 07 | 270 | 120 | 10 | 917 | 120 | 55 |
| 912 | 105 | 68 | 114 | 120 | 36 | 223 | 120 | 05 | 271 | 120 | 02 | 918 | 120 | 48 |
| 913 | 105 | 03 | 115 | 120 | 49 | 224 | 120 | 06 | 272 | 120 | 46 | 919 | 120 | 51 |
| 914 | 105 | 10 | 116 | 120 | 47 | 225 | 120 | 05 | 273 | 120 | 42 | 920 | 120 | 26 |
| 915 | 105 | 10 | 117 | 120 | 39 | 226 | 120 | 06 | 301 | 120 | 49 | 921 | 120 | 35 |
| 916 | 105 | 10 | 118 | 120 | 41 | 227 | 120 | 46 | 302 | 120 | 50 | 922 | 120 | 49 |
| 917 | 105 | 10 | 119 | 120 | 38 | 228 | 120 | 44 | 303 | 120 | 49 | 923 | 120 | 01 |
| 918 | 105 | 4 | 120 | 120 | 51 | 229 | 120 | 45 | 304 | 120 | 49 | 924 | 120 | 10 |
| 919 | 105 | 5 | 121 | 120 | 50 | 230 | 120 | 23 | 305 | 120 | 52 | 925 | 120 | 13 |
| 920 | 105 | 5 | 122 | 120 | 47 | 231 | 120 | 16 | 306 | 120 | 52 | 926 | 120 | 50 |
| 921 | 105 | 5 | 123 | 120 | 45 | 232 | 120 | 04 | 307 | 120 | 56 | 927 | 120 | 59 |
| 922 | 105 | 5 | 124 | 120 | 43 | 233 | 120 | 00 | 308 | 120 | 56 | 928 | 120 | 41 |
| 923 | 105 | 10 | 125 | 120 | 59 | 234 | 120 | 02 | 309 | 120 | 65 | 929 | 120 | 29 |
| 924 | 105 | 10 | 126 | 120 | 54 | 235 | 120 | 00 | 310 | 120 | 65 | 930 | 120 | 31 |
| 925 | 105 | 10 | 127 | 120 | 51 | 236 | 120 | 41 | 311 | 120 | 72 | 931 | 120 | 46 |
| 926 | 105 | 10 | 128 | 120 | 48 | 237 | 120 | 42 | 312 | 120 | 75 | 932 | 120 | 11 |
| 927 | 105 | 10 | 129 | 120 | 45 | 238 | 120 | 21 | 313 | 120 | 00 | 933 | 120 | 18 |
| 928 | 105 | 10 | 130 | 120 | 95 | 239 | 120 | 17 | 314 | 120 | 02 | 934 | 120 | 12 |
| 929 | 105 | 10 | 131 | 120 | 82 | 240 | 120 | 10 | 401 | 120 | 04 | 935 | 120 | 47 |
| 930 | 105 | 10 | 132 | 120 | 76 | 241 | 120 | 04 | 402 | 120 | 01 | 936 | 120 | 61 |
| 931 | 105 | 22 | 133 | 120 | 72 | 242 | 120 | 00 | 403 | 120 | 02 | 937 | 120 | 44 |
| 932 | 105 | 02 | 134 | 120 | 69 | 243 | 120 | 03 | 404 | 120 | 14 | 938 | 120 | 32 |
| 933 | 105 | 00 | 135 | 120 | 91 | 244 | 120 | 03 | 405 | 120 | 12 | 939 | 120 | 35 |
| 934 | 105 | 15 | 136 | 120 | 81 | 245 | 120 | 34 | 501 | 120 | 56 | 940 | 120 | 46 |
| 935 | 105 | 35 | 137 | 120 | 76 | 246 | 120 | 35 | 502 | 120 | 52 | 941 | 120 | 14 |
| 936 | 105 | 46 | 138 | 120 | 74 | 247 | 120 | 32 | 503 | 120 | 51 | 942 | 120 | 26 |
| 937 | 105 | 43 | 139 | 120 | 73 | 248 | 120 | 24 | 504 | 120 | 51 | 943 | 120 | 26 |
| 938 | 105 | 22 | 201 | 120 | 27 | 249 | 120 | 11 | 505 | 120 | 51 | 944 | 120 | 41 |
| 939 | 105 | 11 | 202 | 120 | 20 | 250 | 120 | 06 | 506 | 120 | 45 | 945 | 120 | 65 |
| 940 | 105 | 30 | 203 | 120 | 09 | 251 | 120 | 01 | 507 | 120 | 40 | 946 | 120 | 49 |
| 941 | 105 | 04 | 204 | 120 | 41 | 252 | 120 | 03 | 508 | 120 | 41 | 101 | 135 | 42 |
| 942 | 105 | 11 | 205 | 120 | 43 | 253 | 120 | 05 | 509 | 120 | 40 | 102 | 135 | 40 |
| 943 | 105 | 17 | 206 | 120 | 81 | 254 | 120 | 35 | 901 | 120 | 28 | 103 | 135 | 39 |
| 944 | 105 | 35 | 207 | 120 | 41 | 255 | 120 | 34 | 902 | 120 | 36 | 104 | 135 | 38 |
| 945 | 105 | 35 | 208 | 120 | 72 | 256 | 120 | 31 | 903 | 120 | 10 | 105 | 135 | 39 |
| 946 | 105 | 37 | 209 | 120 | 69 | 257 | 120 | 28 | 904 | 120 | 27 | 106 | 135 | 44 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDEMBERG CONFIGURATION 0

| TAP | AZI-NUTH | ANSCPR | TAP | AZI-NUTH | ANSCPR | TAP | AZI-NUTH | ANSCPM | TAP | AZI-NUTH | ANSCPM | TAP | AZI-NUTH | ANSCPM |
|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|
| 107 | 135 | .41 | 216 | 135 | .31 | 264 | 135 | .08 | 911 | 135 | .41 | 113 | 150 | .45 |
| 108 | 135 | .40 | 217 | 135 | .19 | 265 | 135 | .48 | 912 | 135 | .51 | 114 | 150 | .43 |
| 109 | 135 | .40 | 218 | 135 | .20 | 266 | 135 | .29 | 913 | 135 | .25 | 115 | 150 | .51 |
| 110 | 135 | .39 | 219 | 135 | .31 | 267 | 135 | .01 | 914 | 135 | .34 | 116 | 150 | .49 |
| 111 | 135 | .42 | 220 | 135 | .13 | 268 | 135 | .18 | 915 | 135 | .32 | 117 | 150 | .43 |
| 112 | 135 | .41 | 221 | 135 | .99 | 269 | 135 | .30 | 916 | 135 | .51 | 118 | 150 | .43 |
| 113 | 135 | .42 | 222 | 135 | .02 | 270 | 135 | .41 | 917 | 135 | .56 | 119 | 150 | .42 |
| 114 | 135 | .39 | 223 | 135 | .03 | 271 | 135 | .45 | 918 | 135 | .51 | 120 | 150 | .56 |
| 115 | 135 | .50 | 224 | 135 | .06 | 272 | 135 | .18 | 919 | 135 | .52 | 121 | 150 | .54 |
| 116 | 135 | .46 | 225 | 135 | .08 | 273 | 135 | .24 | 920 | 135 | .34 | 122 | 150 | .51 |
| 117 | 135 | .43 | 226 | 135 | .12 | 301 | 135 | .47 | 921 | 135 | .39 | 123 | 150 | .49 |
| 118 | 135 | .41 | 227 | 135 | .10 | 302 | 135 | .49 | 922 | 135 | .49 | 124 | 150 | .48 |
| 119 | 135 | .40 | 228 | 135 | .14 | 303 | 135 | .48 | 923 | 135 | .23 | 125 | 150 | .65 |
| 120 | 135 | .53 | 229 | 135 | .49 | 304 | 135 | .47 | 924 | 135 | .32 | 126 | 150 | .65 |
| 121 | 135 | .50 | 230 | 135 | .19 | 305 | 135 | .53 | 925 | 135 | .28 | 127 | 150 | .58 |
| 122 | 135 | .49 | 231 | 135 | .06 | 306 | 135 | .06 | 926 | 135 | .47 | 128 | 150 | .56 |
| 123 | 135 | .48 | 232 | 135 | .07 | 307 | 135 | .57 | 927 | 135 | .62 | 129 | 150 | .58 |
| 124 | 135 | .46 | 233 | 135 | .14 | 308 | 135 | .56 | 928 | 135 | .52 | 130 | 150 | .68 |
| 125 | 135 | .64 | 234 | 135 | .17 | 309 | 135 | .66 | 929 | 135 | .39 | 131 | 150 | .62 |
| 126 | 135 | .62 | 235 | 135 | .23 | 310 | 135 | .66 | 930 | 135 | .46 | 132 | 150 | .94 |
| 127 | 135 | .55 | 236 | 135 | .02 | 311 | 135 | .73 | 931 | 135 | .50 | 133 | 150 | .90 |
| 128 | 135 | .52 | 237 | 135 | .02 | 312 | 135 | .77 | 932 | 135 | .23 | 134 | 150 | .67 |
| 129 | 135 | .51 | 238 | 135 | .26 | 313 | 135 | .00 | 933 | 135 | .33 | 135 | 150 | .60 |
| 130 | 135 | -.65 | 239 | 135 | .13 | 314 | 135 | .98 | 934 | 135 | .33 | 136 | 150 | .61 |
| 131 | 135 | .90 | 240 | 135 | .00 | 401 | 135 | .24 | 935 | 135 | .45 | 137 | 150 | .69 |
| 132 | 135 | .83 | 241 | 135 | .09 | 402 | 135 | .24 | 936 | 135 | .64 | 138 | 150 | .66 |
| 133 | 135 | .78 | 242 | 135 | .16 | 403 | 135 | .25 | 937 | 135 | .52 | 139 | 150 | .84 |
| 134 | 135 | .77 | 243 | 135 | .20 | 404 | 135 | .21 | 938 | 135 | .42 | 201 | 150 | .23 |
| 135 | 135 | .02 | 244 | 135 | .22 | 405 | 135 | .17 | 939 | 135 | .44 | 202 | 150 | .13 |
| 136 | 135 | .93 | 245 | 135 | .02 | 501 | 135 | .59 | 940 | 135 | .47 | 203 | 150 | .62 |
| 137 | 135 | .88 | 246 | 135 | .04 | 502 | 135 | .56 | 941 | 135 | .25 | 204 | 150 | .65 |
| 138 | 135 | .86 | 247 | 135 | .38 | 503 | 135 | .58 | 942 | 135 | .47 | 205 | 150 | .68 |
| 139 | 135 | .84 | 248 | 135 | .20 | 504 | 135 | .58 | 943 | 135 | .51 | 206 | 150 | .24 |
| 201 | 135 | .27 | 249 | 135 | .60 | 505 | 135 | .56 | 944 | 135 | .53 | 207 | 150 | .11 |
| 202 | 135 | .19 | 250 | 135 | .08 | 506 | 135 | .54 | 945 | 135 | .65 | 208 | 150 | .21 |
| 203 | 135 | .64 | 251 | 135 | .17 | 507 | 135 | .52 | 946 | 135 | .55 | 209 | 150 | .13 |
| 204 | 135 | .21 | 252 | 135 | .24 | 508 | 135 | .52 | 101 | 150 | .47 | 210 | 150 | .16 |
| 205 | 135 | .21 | 253 | 135 | .23 | 509 | 135 | .52 | 102 | 150 | .42 | 211 | 150 | .04 |
| 206 | 135 | .59 | 254 | 135 | .03 | 901 | 135 | .42 | 103 | 150 | .43 | 212 | 150 | .10 |
| 207 | 135 | .21 | 255 | 135 | .03 | 902 | 135 | .43 | 104 | 150 | .43 | 213 | 150 | .05 |
| 208 | 135 | .50 | 256 | 135 | .33 | 903 | 135 | .25 | 105 | 150 | .42 | 214 | 150 | .11 |
| 209 | 135 | .44 | 257 | 135 | .24 | 904 | 135 | .46 | 106 | 150 | .47 | 215 | 150 | .29 |
| 210 | 135 | .19 | 258 | 135 | .01 | 905 | 135 | .37 | 107 | 150 | .47 | 216 | 150 | .27 |
| 211 | 135 | .05 | 259 | 135 | .11 | 906 | 135 | .49 | 108 | 150 | .43 | 217 | 150 | .09 |
| 212 | 135 | .02 | 260 | 135 | .22 | 907 | 135 | .53 | 109 | 150 | .43 | 218 | 150 | .11 |
| 213 | 135 | .11 | 261 | 135 | .25 | 908 | 135 | .50 | 110 | 150 | .42 | 219 | 150 | .08 |
| 214 | 135 | .17 | 262 | 135 | .27 | 909 | 135 | .50 | 111 | 150 | .43 | 220 | 150 | .10 |
| 215 | 135 | .34 | 263 | 135 | .06 | 910 | 135 | .35 | 112 | 150 | .44 | 221 | 150 | .60 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG
CONFIGURATION D

| TAP | AZI- MUTH | ANSCPH | TAP | AZI- MUTH | ANSCPH | TAP | AZI- MUTH | ANSCPH | TAP | AZI- MUTH | ANSCPH | TAP | AZI- MUTH | ANSCPH |
|-----|--------------|--------|-----|--------------|--------|-----|--------------|--------|-----|--------------|--------|-----|--------------|--------|
| 222 | 150 | .15 | 270 | 150 | .73 | 917 | 150 | -.53 | 119 | 165 | -.48 | 228 | 165 | .43 |
| 223 | 150 | .19 | 271 | 150 | .78 | 918 | 150 | -.53 | 120 | 165 | -.57 | 229 | 165 | .44 |
| 224 | 150 | .19 | 272 | 150 | .70 | 919 | 150 | -.54 | 121 | 165 | -.57 | 230 | 165 | .05 |
| 225 | 150 | .23 | 273 | 150 | .70 | 920 | 150 | -.43 | 122 | 165 | -.56 | 231 | 165 | .28 |
| 226 | 150 | .27 | 301 | 150 | -.47 | 921 | 150 | -.45 | 123 | 165 | -.54 | 232 | 165 | .35 |
| 227 | 150 | .27 | 302 | 150 | -.43 | 922 | 150 | -.49 | 124 | 165 | -.51 | 233 | 165 | .41 |
| 228 | 150 | .24 | 303 | 150 | -.46 | 923 | 150 | -.32 | 125 | 165 | -.71 | 234 | 165 | .49 |
| 229 | 150 | .48 | 304 | 150 | -.45 | 924 | 150 | -.41 | 126 | 165 | -.64 | 235 | 165 | .47 |
| 230 | 150 | .08 | 305 | 150 | -.51 | 925 | 150 | -.43 | 127 | 165 | -.67 | 236 | 165 | .51 |
| 231 | 150 | .17 | 306 | 150 | -.48 | 926 | 150 | -.47 | 128 | 165 | -.62 | 237 | 165 | .50 |
| 232 | 150 | .25 | 307 | 150 | -.55 | 927 | 150 | -.58 | 129 | 165 | -.60 | 238 | 165 | .28 |
| 233 | 150 | .32 | 308 | 150 | -.54 | 928 | 150 | -.58 | 130 | 165 | -.08 | 239 | 165 | .05 |
| 234 | 150 | .38 | 309 | 150 | -.62 | 929 | 150 | -.46 | 131 | 165 | -.09 | 240 | 165 | .31 |
| 235 | 150 | .38 | 310 | 150 | -.61 | 930 | 150 | -.46 | 132 | 165 | -.00 | 241 | 165 | .39 |
| 236 | 150 | .43 | 311 | 150 | -.73 | 931 | 150 | -.50 | 133 | 165 | -.96 | 242 | 165 | .44 |
| 237 | 150 | .33 | 312 | 150 | -.73 | 932 | 150 | -.52 | 134 | 165 | -.95 | 243 | 165 | .48 |
| 238 | 150 | .26 | 313 | 150 | -.99 | 933 | 150 | -.41 | 135 | 165 | -.14 | 244 | 165 | .54 |
| 239 | 150 | .05 | 314 | 150 | -.00 | 934 | 150 | -.47 | 136 | 165 | -.02 | 245 | 165 | .56 |
| 240 | 150 | .16 | 401 | 150 | -.38 | 935 | 150 | -.57 | 137 | 165 | -.96 | 246 | 165 | .49 |
| 241 | 150 | .27 | 402 | 150 | -.38 | 936 | 150 | -.61 | 138 | 165 | -.94 | 247 | 165 | .36 |
| 242 | 150 | .35 | 403 | 150 | -.28 | 937 | 150 | -.55 | 139 | 165 | -.94 | 248 | 165 | .00 |
| 243 | 150 | .41 | 404 | 150 | -.30 | 938 | 150 | -.49 | 200 | 165 | -.19 | 249 | 165 | .28 |
| 244 | 150 | .43 | 405 | 150 | -.31 | 939 | 150 | -.47 | 202 | 165 | -.07 | 250 | 165 | .42 |
| 245 | 150 | .41 | 501 | 150 | -.60 | 940 | 150 | -.50 | 203 | 165 | -.04 | 251 | 165 | .46 |
| 246 | 150 | .37 | 502 | 150 | -.57 | 941 | 150 | -.55 | 204 | 165 | -.10 | 252 | 165 | .52 |
| 247 | 150 | .39 | 503 | 150 | -.61 | 942 | 150 | -.54 | 205 | 165 | -.28 | 253 | 165 | .56 |
| 248 | 150 | .11 | 504 | 150 | -.63 | 943 | 150 | -.59 | 206 | 165 | -.12 | 254 | 165 | .52 |
| 249 | 150 | .16 | 505 | 150 | -.63 | 944 | 150 | -.68 | 207 | 165 | -.09 | 255 | 165 | .53 |
| 250 | 150 | .27 | 506 | 150 | -.57 | 945 | 150 | -.66 | 208 | 165 | -.10 | 256 | 165 | .31 |
| 251 | 150 | .38 | 507 | 150 | -.56 | 946 | 150 | -.65 | 209 | 165 | -.05 | 257 | 165 | .03 |
| 252 | 150 | .38 | 508 | 150 | -.55 | 101 | 165 | -.47 | 210 | 165 | -.12 | 258 | 165 | .34 |
| 253 | 150 | .46 | 509 | 150 | -.55 | 102 | 165 | -.44 | 211 | 165 | -.12 | 259 | 165 | .44 |
| 254 | 150 | .36 | 901 | 150 | -.43 | 103 | 165 | -.45 | 212 | 165 | -.19 | 260 | 165 | .56 |
| 255 | 150 | .37 | 902 | 150 | -.40 | 104 | 165 | -.45 | 213 | 165 | -.01 | 261 | 165 | .61 |
| 256 | 150 | .32 | 903 | 150 | -.31 | 105 | 165 | -.47 | 214 | 165 | -.06 | 262 | 165 | .61 |
| 257 | 150 | .14 | 904 | 150 | -.39 | 106 | 165 | -.47 | 215 | 165 | -.22 | 263 | 165 | .59 |
| 258 | 150 | .15 | 905 | 150 | -.40 | 107 | 165 | -.46 | 216 | 165 | -.22 | 264 | 165 | .59 |
| 259 | 150 | .30 | 906 | 150 | -.46 | 108 | 165 | -.42 | 217 | 165 | -.02 | 265 | 165 | .39 |
| 260 | 150 | .40 | 907 | 150 | -.53 | 109 | 165 | -.45 | 218 | 165 | -.23 | 266 | 165 | .04 |
| 261 | 150 | .44 | 908 | 150 | -.56 | 110 | 165 | -.44 | 219 | 165 | -.26 | 267 | 165 | .55 |
| 262 | 150 | .54 | 909 | 150 | -.50 | 111 | 165 | -.48 | 220 | 165 | -.06 | 268 | 165 | .77 |
| 263 | 150 | .45 | 910 | 150 | -.40 | 112 | 165 | -.45 | 221 | 165 | -.09 | 269 | 165 | .85 |
| 264 | 150 | .39 | 911 | 150 | -.42 | 113 | 165 | -.41 | 222 | 165 | -.25 | 270 | 165 | .84 |
| 265 | 150 | .44 | 912 | 150 | -.46 | 114 | 165 | -.45 | 223 | 165 | -.28 | 271 | 165 | .94 |
| 266 | 150 | .13 | 913 | 150 | -.30 | 115 | 165 | -.53 | 224 | 165 | -.30 | 272 | 165 | .95 |
| 267 | 150 | .29 | 914 | 150 | -.41 | 116 | 165 | -.51 | 225 | 165 | -.31 | 273 | 165 | .86 |
| 268 | 150 | .50 | 915 | 150 | -.41 | 117 | 165 | -.48 | 226 | 165 | -.36 | 301 | 165 | .40 |
| 269 | 150 | .60 | 916 | 150 | -.42 | 118 | 165 | -.45 | 227 | 165 | -.42 | 302 | 165 | .40 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION D

| TAP | AZI- MUTH | ANSCPM | TAP | AZI- MUTH | ANSCPM | TAP | AZI- MUTH | ANSCPM | TAP | AZI- MUTH | ANSCPM | TAP | AZI- MUTH | ANSCPM |
|-----|--------------|--------|-----|--------------|--------|-----|--------------|--------|-----|--------------|--------|-----|--------------|--------|
| 303 | 165 | -.37 | 923 | 165 | -.31 | 125 | 180 | -.72 | 234 | 180 | .47 | 309 | 180 | -.48 |
| 304 | 165 | -.40 | 924 | 165 | -.42 | 126 | 180 | -.70 | 235 | 180 | .50 | 310 | 180 | -.52 |
| 305 | 165 | -.41 | 925 | 165 | -.43 | 127 | 180 | -.69 | 236 | 180 | .47 | 311 | 180 | -.53 |
| 306 | 165 | -.44 | 926 | 165 | -.51 | 128 | 180 | -.77 | 237 | 180 | .45 | 312 | 180 | -.62 |
| 307 | 165 | -.46 | 927 | 165 | -.52 | 129 | 180 | -.80 | 238 | 180 | .31 | 313 | 180 | -.80 |
| 308 | 165 | -.49 | 928 | 165 | -.50 | 130 | 180 | -.87 | 239 | 180 | .14 | 314 | 180 | -.83 |
| 309 | 165 | -.51 | 929 | 165 | -.49 | 131 | 180 | -.87 | 240 | 180 | .41 | 401 | 180 | -.31 |
| 310 | 165 | -.56 | 930 | 165 | -.47 | 132 | 180 | -.87 | 241 | 180 | .45 | 402 | 180 | -.30 |
| 311 | 165 | -.62 | 931 | 165 | -.48 | 133 | 180 | -.83 | 242 | 180 | .51 | 403 | 180 | -.30 |
| 312 | 165 | -.67 | 932 | 165 | -.36 | 134 | 180 | -.88 | 243 | 180 | .50 | 404 | 180 | -.39 |
| 313 | 165 | -.82 | 933 | 165 | -.42 | 135 | 180 | -.90 | 244 | 180 | .53 | 405 | 180 | -.45 |
| 314 | 165 | -.92 | 934 | 165 | -.46 | 136 | 180 | -.96 | 245 | 180 | .49 | 501 | 180 | -.58 |
| 401 | 165 | -.30 | 935 | 165 | -.53 | 137 | 180 | -.95 | 246 | 180 | .47 | 502 | 180 | -.57 |
| 402 | 165 | -.29 | 936 | 165 | -.54 | 138 | 180 | -.93 | 247 | 180 | .46 | 503 | 180 | -.55 |
| 403 | 165 | -.30 | 937 | 165 | -.53 | 139 | 180 | -.93 | 248 | 180 | .06 | 504 | 180 | -.54 |
| 404 | 165 | -.29 | 938 | 165 | -.50 | 201 | 180 | -.17 | 249 | 180 | .33 | 505 | 180 | -.56 |
| 405 | 165 | -.35 | 939 | 165 | -.50 | 202 | 180 | -.04 | 250 | 180 | .47 | 506 | 180 | -.48 |
| 501 | 165 | -.55 | 940 | 165 | -.50 | 203 | 180 | -.03 | 251 | 180 | .50 | 507 | 180 | -.50 |
| 502 | 165 | -.55 | 941 | 165 | -.38 | 204 | 180 | -.16 | 252 | 180 | .56 | 508 | 180 | -.47 |
| 503 | 165 | -.60 | 942 | 165 | -.62 | 205 | 180 | -.31 | 253 | 180 | .57 | 509 | 180 | -.48 |
| 504 | 165 | -.62 | 943 | 165 | -.62 | 206 | 180 | -.25 | 254 | 180 | .51 | 901 | 180 | -.49 |
| 505 | 165 | -.57 | 944 | 165 | -.69 | 207 | 180 | -.18 | 255 | 180 | .56 | 902 | 180 | -.52 |
| 506 | 165 | -.52 | 945 | 165 | -.59 | 208 | 180 | -.18 | 256 | 180 | .36 | 903 | 180 | -.52 |
| 507 | 165 | -.51 | 946 | 165 | -.60 | 209 | 180 | -.15 | 257 | 180 | .02 | 904 | 180 | -.31 |
| 508 | 165 | -.52 | 101 | 180 | -.38 | 210 | 180 | -.13 | 258 | 180 | .43 | 905 | 180 | -.32 |
| 509 | 165 | -.50 | 102 | 180 | -.40 | 211 | 180 | -.21 | 259 | 180 | .53 | 906 | 180 | -.35 |
| 901 | 165 | -.42 | 103 | 180 | -.43 | 212 | 180 | -.20 | 260 | 180 | .59 | 907 | 180 | -.42 |
| 902 | 165 | -.41 | 104 | 180 | -.52 | 213 | 180 | -.04 | 261 | 180 | .59 | 908 | 180 | -.44 |
| 903 | 165 | -.33 | 105 | 180 | -.62 | 214 | 180 | -.05 | 262 | 180 | .59 | 909 | 180 | -.42 |
| 904 | 165 | -.33 | 106 | 180 | -.57 | 215 | 180 | -.22 | 263 | 180 | .59 | 910 | 180 | -.36 |
| 905 | 165 | -.37 | 107 | 180 | -.36 | 216 | 180 | -.20 | 264 | 180 | .60 | 911 | 180 | -.34 |
| 906 | 165 | -.44 | 108 | 180 | -.47 | 217 | 180 | -.01 | 265 | 180 | .47 | 912 | 180 | -.35 |
| 907 | 165 | -.47 | 109 | 180 | -.52 | 218 | 180 | -.28 | 266 | 180 | .12 | 913 | 180 | -.31 |
| 908 | 165 | -.45 | 110 | 180 | -.64 | 219 | 180 | -.31 | 267 | 180 | .61 | 914 | 180 | -.35 |
| 909 | 165 | -.39 | 111 | 180 | -.43 | 220 | 180 | -.12 | 268 | 180 | .83 | 915 | 180 | -.36 |
| 910 | 165 | -.40 | 112 | 180 | -.47 | 221 | 180 | -.15 | 269 | 180 | .89 | 916 | 180 | -.41 |
| 911 | 165 | -.41 | 113 | 180 | -.58 | 222 | 180 | -.32 | 270 | 180 | .95 | 917 | 180 | -.45 |
| 912 | 165 | -.45 | 114 | 180 | -.66 | 223 | 180 | -.32 | 271 | 180 | .96 | 918 | 180 | -.42 |
| 913 | 165 | -.26 | 115 | 180 | -.54 | 224 | 180 | -.34 | 272 | 180 | .88 | 919 | 180 | -.43 |
| 914 | 165 | -.36 | 116 | 180 | -.57 | 225 | 180 | -.34 | 273 | 180 | .90 | 920 | 180 | -.40 |
| 915 | 165 | -.40 | 117 | 180 | -.58 | 226 | 180 | -.38 | 301 | 180 | .38 | 921 | 180 | -.38 |
| 916 | 165 | -.43 | 118 | 180 | -.64 | 227 | 180 | -.42 | 302 | 180 | .38 | 922 | 180 | -.44 |
| 917 | 165 | -.46 | 119 | 180 | -.63 | 228 | 180 | -.41 | 303 | 180 | .37 | 923 | 180 | -.32 |
| 918 | 165 | -.43 | 120 | 180 | -.60 | 229 | 180 | -.49 | 304 | 180 | .39 | 924 | 180 | -.39 |
| 919 | 165 | -.41 | 121 | 180 | -.60 | 230 | 180 | -.10 | 305 | 180 | .42 | 925 | 180 | -.41 |
| 920 | 165 | -.45 | 122 | 180 | -.62 | 231 | 180 | -.39 | 306 | 180 | .43 | 926 | 180 | -.46 |
| 921 | 165 | -.45 | 123 | 180 | -.69 | 232 | 180 | -.45 | 307 | 180 | .43 | 927 | 180 | -.46 |
| 922 | 165 | -.47 | 124 | 180 | -.72 | 233 | 180 | -.48 | 308 | 180 | .43 | 928 | 180 | -.49 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDBERG CONFIGURATION D

| TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM |
|------|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|
| 9329 | 180 | .48 | 131 | 195 | .78 | 240 | 195 | .48 | 401 | 195 | .25 | 935 | 195 | .41 |
| 9330 | 180 | .46 | 132 | 195 | .54 | 241 | 195 | .49 | 402 | 195 | .28 | 936 | 195 | .40 |
| 9331 | 180 | .49 | 133 | 195 | .71 | 242 | 195 | .50 | 403 | 195 | .34 | 937 | 195 | .38 |
| 9332 | 180 | .39 | 134 | 195 | .92 | 243 | 195 | .46 | 404 | 195 | .43 | 938 | 195 | .44 |
| 9333 | 180 | .46 | 135 | 195 | .76 | 244 | 195 | .44 | 405 | 195 | .65 | 939 | 195 | .36 |
| 9334 | 180 | .43 | 136 | 195 | .69 | 245 | 195 | .42 | 501 | 195 | .50 | 940 | 195 | .44 |
| 9335 | 180 | .49 | 137 | 195 | .50 | 246 | 195 | .42 | 502 | 195 | .43 | 941 | 195 | .64 |
| 9336 | 180 | .53 | 138 | 195 | .62 | 247 | 195 | .27 | 503 | 195 | .37 | 942 | 195 | .54 |
| 9337 | 180 | .51 | 139 | 195 | .80 | 248 | 195 | .19 | 504 | 195 | .36 | 943 | 195 | .52 |
| 9338 | 180 | .44 | 201 | 195 | .04 | 249 | 195 | .45 | 505 | 195 | .49 | 944 | 195 | .53 |
| 9339 | 180 | .55 | 202 | 195 | .01 | 250 | 195 | .48 | 506 | 195 | .41 | 945 | 195 | .61 |
| 9440 | 180 | .53 | 203 | 195 | .10 | 251 | 195 | .50 | 507 | 195 | .38 | 946 | 195 | .51 |
| 9441 | 180 | .44 | 204 | 195 | .22 | 252 | 195 | .49 | 508 | 195 | .38 | 101 | 210 | .32 |
| 9442 | 180 | .56 | 205 | 195 | .27 | 253 | 195 | .49 | 509 | 195 | .38 | 102 | 210 | .25 |
| 9443 | 180 | .72 | 206 | 195 | .24 | 254 | 195 | .45 | 901 | 195 | .35 | 103 | 210 | .23 |
| 9444 | 180 | .72 | 207 | 195 | .27 | 255 | 195 | .48 | 902 | 195 | .19 | 104 | 210 | .21 |
| 9445 | 180 | .64 | 208 | 195 | .23 | 256 | 195 | .26 | 903 | 195 | .25 | 105 | 210 | .24 |
| 9446 | 180 | .55 | 209 | 195 | .21 | 257 | 195 | .13 | 904 | 195 | .25 | 106 | 210 | .38 |
| 1011 | 195 | .29 | 210 | 195 | .04 | 258 | 195 | .44 | 905 | 195 | .35 | 107 | 210 | .26 |
| 1012 | 195 | .23 | 211 | 195 | .29 | 259 | 195 | .54 | 906 | 195 | .44 | 108 | 210 | .11 |
| 1013 | 195 | .20 | 212 | 195 | .27 | 260 | 195 | .64 | 907 | 195 | .36 | 109 | 210 | .07 |
| 1014 | 195 | .20 | 213 | 195 | .03 | 261 | 195 | .60 | 908 | 195 | .37 | 110 | 210 | .02 |
| 1015 | 195 | .23 | 214 | 195 | .03 | 262 | 195 | .55 | 909 | 195 | .39 | 111 | 210 | .24 |
| 1016 | 195 | .33 | 215 | 195 | .20 | 263 | 195 | .53 | 910 | 195 | .38 | 112 | 210 | .10 |
| 1017 | 195 | .27 | 216 | 195 | .14 | 264 | 195 | .53 | 911 | 195 | .31 | 113 | 210 | .06 |
| 1018 | 195 | .18 | 217 | 195 | .02 | 265 | 195 | .35 | 912 | 195 | .26 | 114 | 210 | .02 |
| 1019 | 195 | .15 | 218 | 195 | .28 | 266 | 195 | .30 | 913 | 195 | .28 | 115 | 210 | .50 |
| 1020 | 195 | .19 | 219 | 195 | .29 | 267 | 195 | .81 | 914 | 195 | .28 | 116 | 210 | .61 |
| 1111 | 195 | .25 | 220 | 195 | .01 | 268 | 195 | .88 | 915 | 195 | .35 | 117 | 210 | .01 |
| 1112 | 195 | .19 | 221 | 195 | .28 | 269 | 195 | .88 | 916 | 195 | .36 | 118 | 210 | .04 |
| 1113 | 195 | .20 | 222 | 195 | .38 | 270 | 195 | .91 | 917 | 195 | .40 | 119 | 210 | .02 |
| 1114 | 195 | .33 | 223 | 195 | .35 | 271 | 195 | .78 | 918 | 195 | .40 | 120 | 210 | .43 |
| 1115 | 195 | .44 | 224 | 195 | .32 | 272 | 195 | .77 | 919 | 195 | .41 | 121 | 210 | .56 |
| 1116 | 195 | .55 | 225 | 195 | .33 | 273 | 195 | .75 | 920 | 195 | .41 | 122 | 210 | .07 |
| 1117 | 195 | .77 | 226 | 195 | .33 | 301 | 195 | .38 | 921 | 195 | .32 | 123 | 210 | .66 |
| 1118 | 195 | .82 | 227 | 195 | .36 | 302 | 195 | .38 | 922 | 195 | .31 | 124 | 210 | .03 |
| 1119 | 195 | .93 | 228 | 195 | .34 | 303 | 195 | .37 | 923 | 195 | .34 | 125 | 210 | .51 |
| 1220 | 195 | .93 | 229 | 195 | .28 | 304 | 195 | .37 | 924 | 195 | .28 | 126 | 210 | .73 |
| 1221 | 195 | .61 | 230 | 195 | .26 | 305 | 195 | .39 | 925 | 195 | .37 | 127 | 210 | .09 |
| 1222 | 195 | .35 | 231 | 195 | .46 | 306 | 195 | .41 | 926 | 195 | .38 | 128 | 210 | .08 |
| 1223 | 195 | .47 | 232 | 195 | .50 | 307 | 195 | .41 | 927 | 195 | .38 | 129 | 210 | .04 |
| 1224 | 195 | .63 | 233 | 195 | .46 | 308 | 195 | .39 | 928 | 195 | .38 | 130 | 210 | .79 |
| 1225 | 195 | .44 | 234 | 195 | .45 | 309 | 195 | .44 | 929 | 195 | .44 | 131 | 210 | .89 |
| 1226 | 195 | .47 | 235 | 195 | .45 | 310 | 195 | .47 | 930 | 195 | .36 | 132 | 210 | .17 |
| 1227 | 195 | .36 | 236 | 195 | .40 | 311 | 195 | .48 | 931 | 195 | .33 | 133 | 210 | .15 |
| 1228 | 195 | .47 | 237 | 195 | .32 | 312 | 195 | .48 | 932 | 195 | .40 | 134 | 210 | .10 |
| 1229 | 195 | .61 | 238 | 195 | .27 | 313 | 195 | .69 | 933 | 195 | .35 | 135 | 210 | .93 |
| 1300 | 195 | .72 | 239 | 195 | .27 | 314 | 195 | .74 | 934 | 195 | .42 | 136 | 210 | .84 |

TABLE 9. ANS1 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION D

| TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM |
|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|
| 137 | 210 | .18 | 246 | 210 | .33 | 302 | 210 | .31 | 941 | 210 | .35 | 204 | 225 | .40 |
| 138 | 210 | .10 | 247 | 210 | .19 | 303 | 210 | .29 | 942 | 210 | .34 | 205 | 225 | .22 |
| 139 | 210 | .01 | 248 | 210 | .41 | 304 | 210 | .22 | 943 | 210 | .40 | 206 | 225 | .23 |
| 201 | 210 | .16 | 249 | 210 | .52 | 305 | 210 | .37 | 944 | 210 | .37 | 207 | 225 | .03 |
| 202 | 210 | .06 | 250 | 210 | .50 | 306 | 210 | .28 | 945 | 210 | .39 | 208 | 225 | .16 |
| 203 | 210 | .14 | 251 | 210 | .50 | 307 | 210 | .27 | 946 | 210 | .38 | 209 | 225 | .14 |
| 204 | 210 | .36 | 252 | 210 | .47 | 308 | 210 | .32 | 101 | 225 | .34 | 210 | 225 | .40 |
| 205 | 210 | .26 | 253 | 210 | .37 | 309 | 210 | .35 | 102 | 225 | .23 | 211 | 225 | .34 |
| 206 | 210 | .24 | 254 | 210 | .35 | 901 | 210 | .42 | 103 | 225 | .18 | 212 | 225 | .17 |
| 207 | 210 | .09 | 255 | 210 | .33 | 902 | 210 | .44 | 104 | 225 | .18 | 213 | 225 | .01 |
| 208 | 210 | .19 | 256 | 210 | .22 | 903 | 210 | .30 | 105 | 225 | .20 | 214 | 225 | .01 |
| 209 | 210 | .21 | 257 | 210 | .43 | 904 | 210 | .30 | 106 | 225 | .19 | 215 | 225 | .10 |
| 210 | 210 | .33 | 258 | 210 | .60 | 905 | 210 | .33 | 107 | 225 | .02 | 216 | 225 | .05 |
| 211 | 210 | .40 | 259 | 210 | .59 | 906 | 210 | .37 | 108 | 225 | .09 | 217 | 225 | .04 |
| 212 | 210 | .27 | 260 | 210 | .51 | 907 | 210 | .41 | 109 | 225 | .14 | 218 | 225 | .13 |
| 213 | 210 | .03 | 261 | 210 | .37 | 908 | 210 | .44 | 110 | 225 | .13 | 219 | 225 | .04 |
| 214 | 210 | .04 | 262 | 210 | .47 | 909 | 210 | .48 | 111 | 225 | .03 | 220 | 225 | .42 |
| 215 | 210 | .12 | 263 | 210 | .37 | 910 | 210 | .46 | 112 | 225 | .03 | 221 | 225 | .41 |
| 216 | 210 | .06 | 264 | 210 | .43 | 911 | 210 | .49 | 113 | 225 | .09 | 222 | 225 | .31 |
| 217 | 210 | .05 | 265 | 210 | .28 | 912 | 210 | .47 | 114 | 225 | .15 | 223 | 225 | .23 |
| 218 | 210 | .25 | 266 | 210 | .62 | 913 | 210 | .33 | 115 | 225 | .46 | 224 | 225 | .22 |
| 219 | 210 | .24 | 267 | 210 | .64 | 914 | 210 | .29 | 116 | 225 | .49 | 225 | 225 | .19 |
| 220 | 210 | .31 | 268 | 210 | .91 | 915 | 210 | .33 | 117 | 225 | .12 | 226 | 225 | .16 |
| 221 | 210 | .42 | 269 | 210 | .87 | 916 | 210 | .34 | 118 | 225 | .13 | 227 | 225 | .10 |
| 222 | 210 | .39 | 270 | 210 | .74 | 917 | 210 | .39 | 119 | 225 | .19 | 228 | 225 | .00 |
| 223 | 210 | .35 | 271 | 210 | .65 | 918 | 210 | .44 | 120 | 225 | .41 | 229 | 225 | .48 |
| 224 | 210 | .28 | 272 | 210 | .54 | 919 | 210 | .51 | 121 | 225 | .47 | 230 | 225 | .47 |
| 225 | 210 | .29 | 273 | 210 | .54 | 920 | 210 | .55 | 122 | 225 | .08 | 231 | 225 | .39 |
| 226 | 210 | .27 | 301 | 210 | .44 | 921 | 210 | .62 | 123 | 225 | .18 | 232 | 225 | .34 |
| 227 | 210 | .25 | 302 | 210 | .44 | 922 | 210 | .64 | 124 | 225 | .18 | 233 | 225 | .29 |
| 228 | 210 | .19 | 303 | 210 | .43 | 923 | 210 | .33 | 125 | 225 | .51 | 234 | 225 | .23 |
| 229 | 210 | .16 | 304 | 210 | .44 | 924 | 210 | .24 | 126 | 225 | .79 | 235 | 225 | .18 |
| 230 | 210 | .44 | 305 | 210 | .44 | 925 | 210 | .26 | 127 | 225 | .08 | 236 | 225 | .06 |
| 231 | 210 | .40 | 306 | 210 | .46 | 926 | 210 | .28 | 128 | 225 | .12 | 237 | 225 | .03 |
| 232 | 210 | .49 | 307 | 210 | .48 | 927 | 210 | .31 | 129 | 225 | .26 | 238 | 225 | .47 |
| 233 | 210 | .40 | 308 | 210 | .49 | 928 | 210 | .34 | 130 | 225 | .83 | 239 | 225 | .50 |
| 234 | 210 | .37 | 309 | 210 | .49 | 929 | 210 | .70 | 131 | 225 | .87 | 240 | 225 | .41 |
| 235 | 210 | .31 | 310 | 210 | .50 | 930 | 210 | .76 | 132 | 225 | .13 | 241 | 225 | .38 |
| 236 | 210 | .23 | 311 | 210 | .53 | 931 | 210 | .54 | 133 | 225 | .19 | 242 | 225 | .31 |
| 237 | 210 | .16 | 312 | 210 | .58 | 932 | 210 | .35 | 134 | 225 | .32 | 243 | 225 | .24 |
| 238 | 210 | .19 | 313 | 210 | .73 | 933 | 210 | .17 | 135 | 225 | .00 | 244 | 225 | .20 |
| 239 | 210 | .44 | 314 | 210 | .90 | 934 | 210 | .26 | 136 | 225 | .72 | 245 | 225 | .15 |
| 240 | 210 | .50 | 401 | 210 | .38 | 935 | 210 | .30 | 137 | 225 | .09 | 246 | 225 | .19 |
| 241 | 210 | .48 | 402 | 210 | .33 | 936 | 210 | .29 | 138 | 225 | .23 | 247 | 225 | .47 |
| 242 | 210 | .44 | 403 | 210 | .42 | 937 | 210 | .27 | 139 | 225 | .38 | 248 | 225 | .50 |
| 243 | 210 | .42 | 404 | 210 | .44 | 938 | 210 | .73 | 201 | 225 | .16 | 249 | 225 | .43 |
| 244 | 210 | .37 | 405 | 210 | .46 | 939 | 210 | .84 | 202 | 225 | .05 | 250 | 225 | .39 |
| 245 | 210 | .30 | 501 | 210 | .34 | 940 | 210 | .41 | 203 | 225 | .20 | 251 | 225 | .33 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION D

| TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM |
|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|
| 223 | 22 | .27 | 908 | 225 | -.23 | 101 | 240 | -.22 | 210 | 240 | -.13 | 258 | 240 | .16 |
| 223 | 22 | .21 | 909 | 225 | -.28 | 102 | 240 | -.11 | 211 | 240 | -.04 | 259 | 240 | .18 |
| 223 | 22 | .20 | 901 | 225 | -.38 | 103 | 240 | -.07 | 212 | 240 | -.00 | 260 | 240 | .14 |
| 223 | 22 | .24 | 902 | 225 | -.60 | 104 | 240 | -.07 | 213 | 240 | -.05 | 261 | 240 | .07 |
| 223 | 22 | .30 | 903 | 225 | -.37 | 105 | 240 | -.10 | 214 | 240 | -.04 | 262 | 240 | .02 |
| 223 | 22 | .31 | 904 | 225 | -.42 | 106 | 240 | -.23 | 215 | 240 | -.05 | 263 | 240 | .02 |
| 223 | 22 | .31 | 905 | 225 | -.34 | 107 | 240 | -.03 | 216 | 240 | -.04 | 264 | 240 | .08 |
| 223 | 22 | .43 | 906 | 225 | -.39 | 108 | 240 | -.19 | 217 | 240 | -.02 | 265 | 240 | .16 |
| 260 | 22 | .38 | 907 | 225 | -.46 | 109 | 240 | -.25 | 218 | 240 | -.06 | 266 | 240 | .09 |
| 265 | 22 | .32 | 908 | 225 | -.53 | 110 | 240 | -.31 | 219 | 240 | -.15 | 267 | 240 | .33 |
| 265 | 22 | .24 | 909 | 225 | -.48 | 111 | 240 | -.05 | 220 | 240 | -.07 | 268 | 240 | .27 |
| 265 | 22 | .21 | 910 | 225 | -.58 | 112 | 240 | -.17 | 221 | 240 | -.01 | 269 | 240 | .21 |
| 265 | 22 | .25 | 911 | 225 | -.58 | 113 | 240 | -.27 | 222 | 240 | -.13 | 270 | 240 | .16 |
| 265 | 22 | .70 | 912 | 225 | -.58 | 114 | 240 | -.32 | 223 | 240 | -.09 | 271 | 240 | .06 |
| 265 | 22 | .72 | 913 | 225 | -.39 | 115 | 240 | -.35 | 224 | 240 | -.08 | 272 | 240 | .05 |
| 265 | 22 | .70 | 914 | 225 | -.34 | 116 | 240 | -.19 | 225 | 240 | -.05 | 273 | 240 | .00 |
| 265 | 22 | .66 | 915 | 225 | -.28 | 117 | 240 | -.27 | 226 | 240 | -.02 | 301 | 240 | .48 |
| 265 | 22 | .34 | 916 | 225 | -.22 | 118 | 240 | -.30 | 227 | 240 | -.09 | 302 | 240 | .46 |
| 265 | 22 | .47 | 917 | 225 | -.34 | 119 | 240 | -.37 | 228 | 240 | -.18 | 303 | 240 | .45 |
| 265 | 22 | .36 | 918 | 225 | -.44 | 120 | 240 | -.31 | 229 | 240 | -.06 | 304 | 240 | .44 |
| 265 | 22 | .24 | 919 | 225 | -.50 | 121 | 240 | -.24 | 230 | 240 | -.01 | 305 | 240 | .47 |
| 265 | 22 | .25 | 920 | 225 | -.65 | 122 | 240 | -.24 | 231 | 240 | -.16 | 306 | 240 | .50 |
| 265 | 22 | .49 | 921 | 225 | -.65 | 123 | 240 | -.30 | 232 | 240 | -.15 | 307 | 240 | .51 |
| 265 | 22 | .48 | 922 | 225 | -.71 | 124 | 240 | -.37 | 233 | 240 | -.11 | 308 | 240 | .52 |
| 265 | 22 | .43 | 923 | 225 | -.47 | 125 | 240 | -.43 | 234 | 240 | -.05 | 309 | 240 | .56 |
| 265 | 22 | .46 | 924 | 225 | -.41 | 126 | 240 | -.44 | 235 | 240 | -.02 | 310 | 240 | .59 |
| 265 | 22 | .47 | 925 | 225 | -.18 | 127 | 240 | -.25 | 236 | 240 | -.11 | 311 | 240 | .64 |
| 265 | 22 | .50 | 926 | 225 | -.19 | 128 | 240 | -.33 | 237 | 240 | -.19 | 312 | 240 | .67 |
| 265 | 22 | .52 | 927 | 225 | -.17 | 129 | 240 | -.42 | 238 | 240 | -.06 | 313 | 240 | .87 |
| 265 | 22 | .55 | 928 | 225 | -.28 | 130 | 240 | -.65 | 239 | 240 | -.02 | 314 | 240 | .98 |
| 265 | 22 | .57 | 929 | 225 | -.75 | 131 | 240 | -.47 | 240 | 240 | -.15 | 401 | 240 | .25 |
| 265 | 22 | .60 | 930 | 225 | -.83 | 132 | 240 | -.41 | 241 | 240 | -.15 | 402 | 240 | .30 |
| 265 | 22 | .66 | 931 | 225 | -.90 | 133 | 240 | -.51 | 242 | 240 | -.11 | 403 | 240 | .37 |
| 265 | 22 | .69 | 932 | 225 | -.51 | 134 | 240 | -.65 | 243 | 240 | -.07 | 404 | 240 | .60 |
| 265 | 22 | .88 | 933 | 225 | -.19 | 135 | 240 | -.85 | 244 | 240 | -.03 | 405 | 240 | .59 |
| 265 | 22 | .88 | 934 | 225 | -.11 | 136 | 240 | -.33 | 245 | 240 | -.01 | 501 | 240 | .12 |
| 265 | 22 | .33 | 935 | 225 | -.12 | 137 | 240 | -.37 | 246 | 240 | -.04 | 502 | 240 | .10 |
| 265 | 22 | .37 | 936 | 225 | -.12 | 138 | 240 | -.53 | 247 | 240 | -.03 | 503 | 240 | .08 |
| 265 | 22 | .46 | 937 | 225 | -.10 | 139 | 240 | -.70 | 248 | 240 | -.00 | 504 | 240 | .10 |
| 265 | 22 | .61 | 938 | 225 | -.83 | 201 | 240 | -.31 | 249 | 240 | -.13 | 505 | 240 | .09 |
| 265 | 22 | .59 | 939 | 225 | -.94 | 202 | 240 | -.14 | 250 | 240 | -.13 | 506 | 240 | .11 |
| 265 | 22 | .11 | 940 | 225 | -.04 | 203 | 240 | -.25 | 251 | 240 | -.11 | 507 | 240 | .07 |
| 265 | 22 | .12 | 941 | 225 | -.62 | 204 | 240 | -.08 | 252 | 240 | -.07 | 508 | 240 | .07 |
| 265 | 22 | .13 | 942 | 225 | -.31 | 205 | 240 | -.02 | 253 | 240 | -.04 | 509 | 240 | .15 |
| 265 | 22 | .10 | 943 | 225 | -.21 | 206 | 240 | -.09 | 254 | 240 | -.04 | 901 | 240 | .49 |
| 265 | 22 | .18 | 944 | 225 | -.16 | 207 | 240 | -.06 | 255 | 240 | -.12 | 902 | 240 | .59 |
| 265 | 22 | .09 | 945 | 225 | -.21 | 208 | 240 | -.01 | 256 | 240 | -.03 | 903 | 240 | .25 |
| 265 | 22 | .15 | 946 | 225 | -.17 | 209 | 240 | -.01 | 257 | 240 | -.02 | 904 | 240 | .45 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION 0

| TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM |
|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|
| 905 | 240 | .40 | 107 | 255 | .14 | 216 | 255 | .01 | 264 | 255 | .09 | 911 | 255 | .40 |
| 906 | 240 | .36 | 108 | 255 | .32 | 217 | 255 | .30 | 265 | 255 | .73 | 912 | 255 | .48 |
| 907 | 240 | .43 | 109 | 255 | .39 | 218 | 255 | .25 | 266 | 255 | .73 | 913 | 255 | .27 |
| 908 | 240 | .49 | 110 | 255 | .42 | 219 | 255 | .30 | 267 | 255 | .71 | 914 | 255 | .44 |
| 909 | 240 | .46 | 111 | 255 | .23 | 220 | 255 | .64 | 268 | 255 | .55 | 915 | 255 | .50 |
| 910 | 240 | .50 | 112 | 255 | .34 | 221 | 255 | .79 | 269 | 255 | .25 | 916 | 255 | .46 |
| 911 | 240 | .52 | 113 | 255 | .38 | 222 | 255 | .45 | 270 | 255 | .21 | 917 | 255 | .29 |
| 912 | 240 | .60 | 114 | 255 | .42 | 223 | 255 | .07 | 271 | 255 | .20 | 918 | 255 | .36 |
| 913 | 240 | .51 | 115 | 255 | .16 | 224 | 255 | .00 | 272 | 255 | .24 | 919 | 255 | .44 |
| 914 | 240 | .56 | 116 | 255 | .11 | 225 | 255 | .03 | 273 | 255 | .21 | 920 | 255 | .41 |
| 915 | 240 | .44 | 117 | 255 | .40 | 226 | 255 | .11 | 301 | 255 | .40 | 921 | 255 | .46 |
| 916 | 240 | .43 | 118 | 255 | .43 | 227 | 255 | .20 | 302 | 255 | .41 | 922 | 255 | .49 |
| 917 | 240 | .22 | 119 | 255 | .47 | 228 | 255 | .29 | 303 | 255 | .37 | 923 | 255 | .27 |
| 918 | 240 | .49 | 120 | 255 | .13 | 229 | 255 | .52 | 304 | 255 | .38 | 924 | 255 | .51 |
| 919 | 240 | .43 | 121 | 255 | .06 | 230 | 255 | .88 | 305 | 255 | .38 | 925 | 255 | .57 |
| 920 | 240 | .61 | 122 | 255 | .37 | 231 | 255 | .53 | 306 | 255 | .40 | 926 | 255 | .38 |
| 921 | 240 | .63 | 123 | 255 | .43 | 232 | 255 | .26 | 307 | 255 | .45 | 927 | 255 | .11 |
| 922 | 240 | .47 | 124 | 255 | .47 | 233 | 255 | .09 | 308 | 255 | .42 | 928 | 255 | .10 |
| 923 | 240 | .37 | 125 | 255 | .26 | 234 | 255 | .07 | 309 | 255 | .48 | 929 | 255 | .46 |
| 924 | 240 | .39 | 126 | 255 | .02 | 235 | 255 | .10 | 310 | 255 | .48 | 930 | 255 | .50 |
| 925 | 240 | .31 | 127 | 255 | .38 | 236 | 255 | .18 | 311 | 255 | .54 | 931 | 255 | .57 |
| 926 | 240 | .09 | 128 | 255 | .46 | 237 | 255 | .24 | 312 | 255 | .55 | 932 | 255 | .41 |
| 927 | 240 | .09 | 129 | 255 | .52 | 238 | 255 | .18 | 313 | 255 | .73 | 933 | 255 | .58 |
| 928 | 240 | .61 | 130 | 255 | .39 | 239 | 255 | .52 | 314 | 255 | .81 | 934 | 255 | .53 |
| 929 | 240 | .69 | 131 | 255 | .11 | 240 | 255 | .48 | 401 | 255 | .25 | 935 | 255 | .23 |
| 930 | 240 | .75 | 132 | 255 | .60 | 241 | 255 | .36 | 402 | 255 | .24 | 936 | 255 | .07 |
| 931 | 240 | .77 | 133 | 255 | .71 | 242 | 255 | .21 | 403 | 255 | .23 | 937 | 255 | .58 |
| 932 | 240 | .55 | 134 | 255 | .80 | 243 | 255 | .12 | 404 | 255 | .39 | 938 | 255 | .21 |
| 933 | 240 | .44 | 135 | 255 | .59 | 244 | 255 | .11 | 405 | 255 | .46 | 939 | 255 | .66 |
| 934 | 240 | .44 | 136 | 255 | .10 | 245 | 255 | .10 | 501 | 255 | .35 | 940 | 255 | .81 |
| 935 | 240 | .03 | 137 | 255 | .64 | 246 | 255 | .05 | 502 | 255 | .24 | 941 | 255 | .54 |
| 936 | 240 | .00 | 138 | 255 | .81 | 247 | 255 | .54 | 503 | 255 | .16 | 942 | 255 | .82 |
| 937 | 240 | .11 | 139 | 255 | .91 | 248 | 255 | .54 | 504 | 255 | .12 | 943 | 255 | .78 |
| 938 | 240 | .88 | 201 | 255 | .81 | 249 | 255 | .50 | 505 | 255 | .26 | 944 | 255 | .17 |
| 939 | 240 | .66 | 202 | 255 | .73 | 250 | 255 | .39 | 506 | 255 | .26 | 945 | 255 | .09 |
| 940 | 240 | .44 | 203 | 255 | .70 | 251 | 255 | .30 | 507 | 255 | .14 | 946 | 255 | .28 |
| 941 | 240 | .78 | 204 | 255 | .57 | 252 | 255 | .15 | 508 | 255 | .02 | 101 | 270 | .02 |
| 942 | 240 | .51 | 205 | 255 | .32 | 253 | 255 | .15 | 509 | 255 | .13 | 102 | 270 | .10 |
| 943 | 240 | .11 | 206 | 255 | .21 | 254 | 255 | .11 | 901 | 255 | .35 | 103 | 270 | .14 |
| 944 | 240 | .03 | 207 | 255 | .54 | 255 | 255 | .05 | 902 | 255 | .47 | 104 | 270 | .15 |
| 945 | 240 | .09 | 208 | 255 | .23 | 256 | 255 | .58 | 903 | 255 | .29 | 105 | 270 | .11 |
| 946 | 240 | .09 | 209 | 255 | .18 | 257 | 255 | .59 | 904 | 255 | .43 | 106 | 270 | .01 |
| 101 | 255 | .07 | 210 | 255 | .70 | 258 | 255 | .62 | 905 | 255 | .43 | 107 | 270 | .26 |
| 102 | 255 | .04 | 211 | 255 | .72 | 259 | 255 | .39 | 906 | 255 | .41 | 108 | 270 | .41 |
| 103 | 255 | .08 | 212 | 255 | .75 | 260 | 255 | .25 | 907 | 255 | .39 | 109 | 270 | .43 |
| 104 | 255 | .08 | 213 | 255 | .36 | 261 | 255 | .22 | 908 | 255 | .42 | 110 | 270 | .46 |
| 105 | 255 | .03 | 214 | 255 | .12 | 262 | 255 | .15 | 909 | 255 | .45 | 111 | 270 | .33 |
| 106 | 255 | .09 | 215 | 255 | .05 | 263 | 255 | .17 | 910 | 255 | .33 | 112 | 270 | .43 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION D

| TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM |
|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|
| 113 | 270 | .43 | 222 | 270 | -.59 | 270 | 270 | -.83 | 917 | 270 | -.42 | 119 | 285 | .47 |
| 114 | 270 | -.47 | 223 | 270 | -.60 | 271 | 270 | -.85 | 918 | 270 | -.24 | 120 | 285 | .11 |
| 115 | 270 | -.07 | 224 | 270 | -.50 | 272 | 270 | -.72 | 919 | 270 | -.31 | 121 | 285 | .42 |
| 116 | 270 | -.30 | 225 | 270 | -.40 | 273 | 270 | -.70 | 920 | 270 | -.39 | 122 | 285 | .52 |
| 117 | 270 | -.46 | 226 | 270 | -.32 | 301 | 270 | -.34 | 921 | 270 | -.43 | 123 | 285 | .52 |
| 118 | 270 | -.47 | 227 | 270 | -.28 | 302 | 270 | -.34 | 922 | 270 | -.46 | 124 | 285 | .50 |
| 119 | 270 | -.47 | 228 | 270 | -.26 | 303 | 270 | -.31 | 923 | 270 | -.40 | 125 | 285 | -.01 |
| 120 | 270 | -.07 | 229 | 270 | -.57 | 304 | 270 | -.34 | 924 | 270 | -.52 | 126 | 285 | .39 |
| 121 | 270 | -.26 | 230 | 270 | -.57 | 305 | 270 | -.32 | 925 | 270 | -.61 | 127 | 285 | .55 |
| 122 | 270 | -.45 | 231 | 270 | -.58 | 306 | 270 | -.33 | 926 | 270 | -.56 | 128 | 285 | .58 |
| 123 | 270 | -.50 | 232 | 270 | -.61 | 307 | 270 | -.33 | 927 | 270 | -.35 | 129 | 285 | .57 |
| 124 | 270 | -.51 | 233 | 270 | -.55 | 308 | 270 | -.34 | 928 | 270 | -.17 | 130 | 285 | .03 |
| 125 | 270 | -.18 | 234 | 270 | -.47 | 309 | 270 | -.33 | 929 | 270 | -.35 | 131 | 285 | .60 |
| 126 | 270 | -.16 | 235 | 270 | -.38 | 310 | 270 | -.38 | 930 | 270 | -.41 | 132 | 285 | .83 |
| 127 | 270 | -.48 | 236 | 270 | -.32 | 311 | 270 | -.40 | 931 | 270 | -.46 | 133 | 285 | .89 |
| 128 | 270 | -.33 | 237 | 270 | -.34 | 312 | 270 | -.44 | 932 | 270 | -.36 | 134 | 285 | .88 |
| 129 | 270 | -.33 | 238 | 270 | -.57 | 313 | 270 | -.50 | 933 | 270 | -.48 | 135 | 285 | .22 |
| 130 | 270 | -.33 | 239 | 270 | -.59 | 314 | 270 | -.56 | 934 | 270 | -.61 | 136 | 285 | .60 |
| 131 | 270 | -.34 | 240 | 270 | -.62 | 401 | 270 | -.44 | 935 | 270 | -.54 | 137 | 285 | .91 |
| 132 | 270 | -.73 | 241 | 270 | -.65 | 402 | 270 | -.41 | 936 | 270 | -.32 | 138 | 285 | .96 |
| 133 | 270 | -.82 | 242 | 270 | -.64 | 403 | 270 | -.37 | 937 | 270 | -.09 | 139 | 285 | .93 |
| 134 | 270 | -.87 | 243 | 270 | -.54 | 404 | 270 | -.31 | 938 | 270 | -.36 | 201 | 285 | .43 |
| 135 | 270 | -.56 | 244 | 270 | -.46 | 405 | 270 | -.35 | 939 | 270 | -.39 | 202 | 285 | .50 |
| 136 | 270 | -.34 | 245 | 270 | -.38 | 501 | 270 | -.39 | 940 | 270 | -.49 | 203 | 285 | .57 |
| 137 | 270 | -.79 | 246 | 270 | -.49 | 502 | 270 | -.36 | 941 | 270 | -.38 | 204 | 285 | .43 |
| 138 | 270 | -.31 | 247 | 270 | -.63 | 503 | 270 | -.35 | 942 | 270 | -.47 | 205 | 285 | .46 |
| 139 | 270 | -.96 | 248 | 270 | -.65 | 504 | 270 | -.31 | 943 | 270 | -.62 | 206 | 285 | .47 |
| 201 | 270 | -.60 | 249 | 270 | -.75 | 505 | 270 | -.20 | 944 | 270 | -.62 | 207 | 285 | .45 |
| 202 | 270 | -.61 | 250 | 270 | -.74 | 506 | 270 | -.12 | 945 | 270 | -.39 | 208 | 285 | .46 |
| 203 | 270 | -.62 | 251 | 270 | -.73 | 507 | 270 | -.15 | 946 | 270 | -.18 | 209 | 285 | .48 |
| 204 | 270 | -.28 | 252 | 270 | -.61 | 508 | 270 | -.23 | 101 | 285 | -.07 | 210 | 285 | .40 |
| 205 | 270 | -.19 | 253 | 270 | -.48 | 509 | 270 | -.19 | 102 | 285 | -.11 | 211 | 285 | .48 |
| 206 | 270 | -.18 | 254 | 270 | -.47 | 901 | 270 | -.51 | 103 | 285 | -.03 | 212 | 285 | .56 |
| 207 | 270 | -.23 | 255 | 270 | -.49 | 902 | 270 | -.47 | 104 | 285 | -.03 | 213 | 285 | .55 |
| 208 | 270 | -.15 | 256 | 270 | -.71 | 903 | 270 | -.46 | 105 | 285 | -.03 | 214 | 285 | .48 |
| 209 | 270 | -.18 | 257 | 270 | -.72 | 904 | 270 | -.56 | 106 | 285 | -.11 | 215 | 285 | .46 |
| 210 | 270 | -.57 | 258 | 270 | -.82 | 905 | 270 | -.61 | 107 | 285 | -.37 | 216 | 285 | .41 |
| 211 | 270 | -.59 | 259 | 270 | -.85 | 906 | 270 | -.53 | 108 | 285 | -.46 | 217 | 285 | .42 |
| 212 | 270 | -.58 | 260 | 270 | -.81 | 907 | 270 | -.44 | 109 | 285 | -.42 | 218 | 285 | .42 |
| 213 | 270 | -.59 | 261 | 270 | -.71 | 908 | 270 | -.30 | 110 | 285 | -.41 | 219 | 285 | .43 |
| 214 | 270 | -.60 | 262 | 270 | -.56 | 909 | 270 | -.31 | 111 | 285 | -.45 | 220 | 285 | .41 |
| 215 | 270 | -.56 | 263 | 270 | -.53 | 910 | 270 | -.47 | 112 | 285 | -.47 | 221 | 285 | .44 |
| 216 | 270 | -.46 | 264 | 270 | -.57 | 911 | 270 | -.47 | 113 | 285 | -.46 | 222 | 285 | .46 |
| 217 | 270 | -.36 | 265 | 270 | -.04 | 912 | 270 | -.51 | 114 | 285 | -.46 | 223 | 285 | .47 |
| 218 | 270 | -.35 | 266 | 270 | -.97 | 913 | 270 | -.45 | 115 | 285 | -.12 | 224 | 285 | .45 |
| 219 | 270 | -.31 | 267 | 270 | -.07 | 914 | 270 | -.53 | 116 | 285 | -.41 | 225 | 285 | .42 |
| 220 | 270 | -.58 | 268 | 270 | -.15 | 915 | 270 | -.53 | 117 | 285 | -.48 | 226 | 285 | .42 |
| 221 | 270 | -.57 | 269 | 270 | -.03 | 916 | 270 | -.57 | 118 | 285 | -.49 | 227 | 285 | .41 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION B

| TAP | AZI-NUTH | ANSCPM | TAP | AZI-NUTH | ANSCPM | TAP | AZI-NUTH | ANSCPM | TAP | AZI-NUTH | ANSCPM | TAP | AZI-NUTH | ANSCPM |
|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|
| 228 | 285 | .42 | 303 | 285 | .35 | 923 | 285 | .72 | 125 | 300 | .39 | 234 | 300 | .48 |
| 229 | 285 | .44 | 304 | 285 | .37 | 924 | 285 | .66 | 126 | 300 | .51 | 235 | 300 | .50 |
| 230 | 285 | .45 | 305 | 285 | .29 | 925 | 285 | .12 | 127 | 300 | .51 | 236 | 300 | .54 |
| 231 | 285 | .45 | 306 | 285 | .26 | 926 | 285 | .15 | 128 | 300 | .45 | 237 | 300 | .54 |
| 232 | 285 | .45 | 307 | 285 | .32 | 927 | 285 | .22 | 129 | 300 | .40 | 238 | 300 | .52 |
| 233 | 285 | .48 | 308 | 285 | .30 | 928 | 285 | .49 | 130 | 300 | .50 | 239 | 300 | .54 |
| 234 | 285 | .45 | 309 | 285 | .35 | 929 | 285 | .73 | 131 | 300 | .75 | 240 | 300 | .55 |
| 235 | 285 | .44 | 310 | 285 | .34 | 930 | 285 | .74 | 132 | 300 | .70 | 241 | 300 | .53 |
| 236 | 285 | .44 | 311 | 285 | .41 | 931 | 285 | .83 | 133 | 300 | .68 | 242 | 300 | .54 |
| 237 | 285 | .47 | 312 | 285 | .40 | 932 | 285 | .58 | 134 | 300 | .61 | 243 | 300 | .54 |
| 238 | 285 | .49 | 313 | 285 | .51 | 933 | 285 | .71 | 135 | 300 | .49 | 244 | 300 | .58 |
| 239 | 285 | .48 | 314 | 285 | .51 | 934 | 285 | .36 | 136 | 300 | .77 | 245 | 300 | .59 |
| 240 | 285 | .46 | 401 | 285 | .79 | 935 | 285 | .08 | 137 | 300 | .91 | 246 | 300 | .58 |
| 241 | 285 | .50 | 402 | 285 | .78 | 936 | 285 | .26 | 138 | 300 | .58 | 247 | 300 | .63 |
| 242 | 285 | .50 | 403 | 285 | .69 | 937 | 285 | .45 | 139 | 300 | .78 | 248 | 300 | .63 |
| 243 | 285 | .51 | 404 | 285 | .56 | 938 | 285 | .58 | 201 | 300 | .45 | 249 | 300 | .62 |
| 244 | 285 | .50 | 405 | 285 | .43 | 939 | 285 | .63 | 202 | 300 | .47 | 250 | 300 | .62 |
| 245 | 285 | .54 | 501 | 285 | .31 | 940 | 285 | .77 | 203 | 300 | .48 | 251 | 300 | .62 |
| 246 | 285 | .56 | 502 | 285 | .42 | 941 | 285 | .50 | 204 | 300 | .43 | 252 | 300 | .65 |
| 247 | 285 | .54 | 503 | 285 | .50 | 942 | 285 | .69 | 205 | 300 | .46 | 253 | 300 | .63 |
| 248 | 285 | .56 | 504 | 285 | .52 | 943 | 285 | .82 | 206 | 300 | .46 | 254 | 300 | .70 |
| 249 | 285 | .57 | 505 | 285 | .18 | 944 | 285 | .31 | 207 | 300 | .46 | 255 | 300 | .76 |
| 250 | 285 | .58 | 506 | 285 | .46 | 945 | 285 | .01 | 208 | 300 | .47 | 256 | 300 | .70 |
| 251 | 285 | .56 | 507 | 285 | .52 | 946 | 285 | .17 | 209 | 300 | .47 | 257 | 300 | .69 |
| 252 | 285 | .58 | 508 | 285 | .49 | 101 | 300 | .17 | 210 | 300 | .44 | 258 | 300 | .70 |
| 253 | 285 | .60 | 509 | 285 | .44 | 102 | 300 | .04 | 211 | 300 | .44 | 259 | 300 | .71 |
| 254 | 285 | .70 | 901 | 285 | .83 | 103 | 300 | .07 | 212 | 300 | .44 | 260 | 300 | .68 |
| 255 | 285 | .76 | 902 | 285 | .86 | 104 | 300 | .04 | 213 | 300 | .45 | 261 | 300 | .74 |
| 256 | 285 | .61 | 903 | 285 | .80 | 105 | 300 | .08 | 214 | 300 | .46 | 262 | 300 | .73 |
| 257 | 285 | .61 | 904 | 285 | .78 | 106 | 300 | .38 | 215 | 300 | .47 | 263 | 300 | .82 |
| 258 | 285 | .63 | 905 | 285 | .29 | 107 | 300 | .45 | 216 | 300 | .47 | 264 | 300 | .78 |
| 259 | 285 | .66 | 906 | 285 | .01 | 108 | 300 | .39 | 217 | 300 | .52 | 265 | 300 | .97 |
| 260 | 285 | .68 | 907 | 285 | .07 | 109 | 300 | .34 | 218 | 300 | .46 | 266 | 300 | .98 |
| 261 | 285 | .67 | 908 | 285 | .24 | 110 | 300 | .30 | 219 | 300 | .47 | 267 | 300 | .91 |
| 262 | 285 | .67 | 909 | 285 | .31 | 111 | 300 | .47 | 220 | 300 | .45 | 268 | 300 | .97 |
| 263 | 285 | .80 | 910 | 285 | .82 | 112 | 300 | .44 | 221 | 300 | .44 | 269 | 300 | .01 |
| 264 | 285 | .82 | 911 | 285 | .86 | 113 | 300 | .39 | 222 | 300 | .46 | 270 | 300 | .02 |
| 265 | 285 | .86 | 912 | 285 | .84 | 114 | 300 | .33 | 223 | 300 | .45 | 271 | 300 | .00 |
| 266 | 285 | .90 | 913 | 285 | .78 | 115 | 300 | .42 | 224 | 300 | .45 | 272 | 300 | .11 |
| 267 | 285 | .88 | 914 | 285 | .67 | 116 | 300 | .45 | 225 | 300 | .47 | 273 | 300 | .08 |
| 268 | 285 | .92 | 915 | 285 | .23 | 117 | 300 | .46 | 226 | 300 | .46 | 301 | 300 | .37 |
| 269 | 285 | .93 | 916 | 285 | .01 | 118 | 300 | .40 | 227 | 300 | .48 | 302 | 300 | .40 |
| 270 | 285 | .92 | 917 | 285 | .07 | 119 | 300 | .35 | 228 | 300 | .48 | 303 | 300 | .22 |
| 271 | 285 | .93 | 918 | 285 | .09 | 120 | 300 | .41 | 229 | 300 | .49 | 304 | 300 | .30 |
| 272 | 285 | .03 | 919 | 285 | .33 | 121 | 300 | .51 | 230 | 300 | .49 | 305 | 300 | .19 |
| 273 | 285 | .04 | 920 | 285 | .81 | 122 | 300 | .48 | 231 | 300 | .48 | 306 | 300 | .18 |
| 301 | 285 | .44 | 921 | 285 | .84 | 123 | 300 | .43 | 232 | 300 | .48 | 307 | 300 | .24 |
| 302 | 285 | .43 | 922 | 285 | .83 | 124 | 300 | .38 | 233 | 300 | .48 | 308 | 300 | .23 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION D

| TAP | AZI-MUTH | ANSCPN | TAP | AZI-MUTH | ANSCPN | TAP | AZI-MUTH | ANSCPN | TAP | AZI-MUTH | ANSCPN | TAP | AZI-MUTH | ANSCPN |
|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|
| 309 | 300 | .26 | 929 | 300 | .83 | 131 | 315 | .56 | 240 | 315 | .59 | 401 | 315 | .62 |
| 310 | 300 | .22 | 930 | 300 | .97 | 132 | 315 | .55 | 241 | 315 | .56 | 402 | 315 | .49 |
| 311 | 300 | .22 | 931 | 300 | .08 | 133 | 315 | .55 | 242 | 315 | .59 | 403 | 315 | .51 |
| 312 | 300 | .28 | 932 | 300 | .47 | 134 | 315 | .55 | 243 | 315 | .60 | 404 | 315 | .41 |
| 313 | 300 | .38 | 933 | 300 | .10 | 135 | 315 | .55 | 244 | 315 | .62 | 405 | 315 | .51 |
| 314 | 300 | .39 | 934 | 300 | .05 | 136 | 315 | .55 | 245 | 315 | .67 | 501 | 315 | .07 |
| 401 | 300 | .33 | 935 | 300 | .00 | 137 | 315 | .55 | 246 | 315 | .63 | 502 | 315 | .06 |
| 402 | 300 | .33 | 936 | 300 | .03 | 138 | 315 | .55 | 247 | 315 | .66 | 503 | 315 | .04 |
| 403 | 300 | .43 | 937 | 300 | .22 | 139 | 315 | .55 | 248 | 315 | .65 | 504 | 315 | .27 |
| 404 | 300 | .67 | 938 | 300 | .77 | 140 | 315 | .55 | 249 | 315 | .66 | 505 | 315 | .18 |
| 405 | 300 | .43 | 939 | 300 | .82 | 201 | 315 | .55 | 250 | 315 | .69 | 506 | 315 | .02 |
| 501 | 300 | .15 | 940 | 300 | .86 | 202 | 315 | .55 | 251 | 315 | .67 | 507 | 315 | .07 |
| 502 | 300 | .16 | 941 | 300 | .74 | 203 | 315 | .55 | 252 | 315 | .69 | 508 | 315 | .05 |
| 503 | 300 | .20 | 942 | 300 | .56 | 204 | 315 | .55 | 253 | 315 | .71 | 509 | 315 | .13 |
| 504 | 300 | .12 | 943 | 300 | .14 | 205 | 315 | .55 | 254 | 315 | .76 | 901 | 315 | .10 |
| 505 | 300 | .09 | 944 | 300 | .05 | 206 | 315 | .55 | 255 | 315 | .82 | 902 | 315 | .75 |
| 506 | 300 | .20 | 945 | 300 | .02 | 207 | 315 | .55 | 256 | 315 | .75 | 903 | 315 | .85 |
| 507 | 300 | .17 | 946 | 300 | .09 | 208 | 315 | .55 | 257 | 315 | .74 | 904 | 315 | .47 |
| 508 | 300 | .18 | 101 | 315 | .07 | 209 | 315 | .55 | 258 | 315 | .74 | 905 | 315 | .40 |
| 509 | 300 | .11 | 102 | 315 | .05 | 210 | 315 | .55 | 259 | 315 | .80 | 906 | 315 | .34 |
| 901 | 300 | .39 | 103 | 315 | .17 | 211 | 315 | .55 | 260 | 315 | .77 | 907 | 315 | .36 |
| 902 | 300 | .61 | 104 | 315 | .15 | 212 | 315 | .55 | 261 | 315 | .80 | 908 | 315 | .24 |
| 903 | 300 | .35 | 105 | 315 | .19 | 213 | 315 | .55 | 262 | 315 | .81 | 909 | 315 | .04 |
| 904 | 300 | .32 | 106 | 315 | .33 | 214 | 315 | .55 | 263 | 315 | .88 | 910 | 315 | .08 |
| 905 | 300 | .22 | 107 | 315 | .33 | 215 | 315 | .55 | 264 | 315 | .88 | 911 | 315 | .82 |
| 906 | 300 | .14 | 108 | 315 | .26 | 216 | 315 | .55 | 265 | 315 | .92 | 912 | 315 | .79 |
| 907 | 300 | .12 | 109 | 315 | .19 | 217 | 315 | .55 | 266 | 315 | .93 | 913 | 315 | .51 |
| 908 | 300 | .08 | 110 | 315 | .16 | 218 | 315 | .55 | 267 | 315 | .98 | 914 | 315 | .50 |
| 909 | 300 | .17 | 111 | 315 | .30 | 219 | 315 | .55 | 268 | 315 | .98 | 915 | 315 | .40 |
| 910 | 300 | .93 | 112 | 315 | .30 | 220 | 315 | .55 | 269 | 315 | .94 | 916 | 315 | .36 |
| 911 | 300 | .46 | 113 | 315 | .22 | 221 | 315 | .55 | 270 | 315 | .93 | 917 | 315 | .38 |
| 912 | 300 | .45 | 114 | 315 | .17 | 222 | 315 | .55 | 271 | 315 | .94 | 918 | 315 | .47 |
| 913 | 300 | .32 | 115 | 315 | .36 | 223 | 315 | .55 | 272 | 315 | .92 | 919 | 315 | .04 |
| 914 | 300 | .32 | 116 | 315 | .31 | 224 | 315 | .55 | 273 | 315 | .93 | 920 | 315 | .33 |
| 915 | 300 | .26 | 117 | 315 | .35 | 225 | 315 | .55 | 301 | 315 | .93 | 921 | 315 | .82 |
| 916 | 300 | .16 | 118 | 315 | .27 | 226 | 315 | .55 | 302 | 315 | .92 | 922 | 315 | .40 |
| 917 | 300 | .14 | 119 | 315 | .20 | 227 | 315 | .55 | 303 | 315 | .93 | 923 | 315 | .54 |
| 918 | 300 | .16 | 120 | 315 | .33 | 228 | 315 | .55 | 304 | 315 | .99 | 924 | 315 | .47 |
| 919 | 300 | .12 | 121 | 315 | .36 | 229 | 315 | .55 | 305 | 315 | .99 | 925 | 315 | .40 |
| 920 | 300 | .11 | 122 | 315 | .36 | 230 | 315 | .55 | 306 | 315 | .99 | 926 | 315 | .37 |
| 921 | 300 | .56 | 123 | 315 | .26 | 231 | 315 | .55 | 307 | 315 | .96 | 927 | 315 | .31 |
| 922 | 300 | .55 | 124 | 315 | .20 | 232 | 315 | .55 | 308 | 315 | .97 | 928 | 315 | .01 |
| 923 | 300 | .43 | 125 | 315 | .32 | 233 | 315 | .55 | 309 | 315 | .98 | 929 | 315 | .97 |
| 924 | 300 | .29 | 126 | 315 | .33 | 234 | 315 | .55 | 310 | 315 | .97 | 930 | 315 | .16 |
| 925 | 300 | .16 | 127 | 315 | .40 | 235 | 315 | .55 | 311 | 315 | .99 | 931 | 315 | .56 |
| 926 | 300 | .14 | 128 | 315 | .30 | 236 | 315 | .55 | 312 | 315 | .97 | 932 | 315 | .40 |
| 927 | 300 | .10 | 129 | 315 | .23 | 237 | 315 | .55 | 313 | 315 | .99 | 933 | 315 | .15 |
| 928 | 300 | .18 | 130 | 315 | .41 | 238 | 315 | .55 | 314 | 315 | .99 | 934 | 315 | .25 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDEMBERG CONFIGURATION B

| TAP | AZI-NUTH | ANSCPM | TAP | AZI-NUTH | ANSCPM | TAP | AZI-NUTH | ANSCPM | TAP | AZI-NUTH | ANSCPM | TAP | AZI-NUTH | ANSCPM |
|------|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|
| 933 | 315 | -.19 | 137 | 330 | -.19 | 246 | 330 | -.62 | 302 | 330 | -.30 | 941 | 330 | -.45 |
| 9335 | 315 | -.16 | 138 | 330 | -.03 | 247 | 330 | -.58 | 303 | 330 | -.37 | 942 | 330 | -.31 |
| 9337 | 315 | -.00 | 139 | 330 | -.04 | 248 | 330 | -.55 | 304 | 330 | -.64 | 943 | 330 | -.33 |
| 9338 | 315 | -.80 | 201 | 330 | -.40 | 249 | 330 | -.57 | 305 | 330 | -.55 | 944 | 330 | -.33 |
| 9339 | 315 | -.80 | 202 | 330 | -.38 | 250 | 330 | -.60 | 306 | 330 | -.26 | 945 | 330 | -.35 |
| 940 | 315 | -.10 | 203 | 330 | -.46 | 251 | 330 | -.63 | 307 | 330 | -.33 | 946 | 330 | -.36 |
| 941 | 315 | -.60 | 204 | 330 | -.46 | 252 | 330 | -.62 | 308 | 330 | -.42 | 101 | 345 | -.65 |
| 942 | 315 | -.31 | 205 | 330 | -.43 | 253 | 330 | -.61 | 309 | 330 | -.56 | 102 | 345 | -.67 |
| 943 | 315 | -.20 | 206 | 330 | -.44 | 254 | 330 | -.70 | 901 | 330 | -.18 | 103 | 345 | -.46 |
| 944 | 315 | -.13 | 207 | 330 | -.45 | 255 | 330 | -.83 | 902 | 330 | -.87 | 104 | 345 | -.23 |
| 945 | 315 | -.19 | 208 | 330 | -.45 | 256 | 330 | -.64 | 903 | 330 | -.88 | 105 | 345 | -.22 |
| 946 | 315 | -.19 | 209 | 330 | -.45 | 257 | 330 | -.64 | 904 | 330 | -.63 | 106 | 345 | -.78 |
| 101 | 330 | -.44 | 210 | 330 | -.41 | 258 | 330 | -.67 | 905 | 330 | -.56 | 107 | 345 | -.76 |
| 102 | 330 | -.42 | 211 | 330 | -.41 | 259 | 330 | -.71 | 906 | 330 | -.51 | 108 | 345 | -.73 |
| 103 | 330 | -.17 | 212 | 330 | -.42 | 260 | 330 | -.66 | 907 | 330 | -.57 | 109 | 345 | -.36 |
| 104 | 330 | -.19 | 213 | 330 | -.43 | 261 | 330 | -.70 | 908 | 330 | -.42 | 110 | 345 | -.18 |
| 105 | 330 | -.22 | 214 | 330 | -.42 | 262 | 330 | -.67 | 909 | 330 | -.16 | 111 | 345 | -.75 |
| 106 | 330 | -.32 | 215 | 330 | -.43 | 263 | 330 | -.83 | 910 | 330 | -.13 | 112 | 345 | -.71 |
| 107 | 330 | -.30 | 216 | 330 | -.44 | 264 | 330 | -.85 | 911 | 330 | -.00 | 113 | 345 | -.52 |
| 108 | 330 | -.00 | 217 | 330 | -.51 | 265 | 330 | -.90 | 912 | 330 | -.87 | 114 | 345 | -.27 |
| 109 | 330 | -.22 | 218 | 330 | -.45 | 266 | 330 | -.93 | 913 | 330 | -.64 | 115 | 345 | -.65 |
| 110 | 330 | -.02 | 219 | 330 | -.46 | 267 | 330 | -.92 | 914 | 330 | -.64 | 116 | 345 | -.72 |
| 111 | 330 | -.21 | 220 | 330 | -.44 | 268 | 330 | -.92 | 915 | 330 | -.58 | 117 | 345 | -.69 |
| 112 | 330 | -.05 | 221 | 330 | -.41 | 269 | 330 | -.92 | 916 | 330 | -.54 | 118 | 345 | -.68 |
| 113 | 330 | -.02 | 222 | 330 | -.40 | 270 | 330 | -.95 | 917 | 330 | -.61 | 119 | 345 | -.56 |
| 114 | 330 | -.02 | 223 | 330 | -.42 | 271 | 330 | -.98 | 918 | 330 | -.76 | 120 | 345 | -.67 |
| 115 | 330 | -.37 | 224 | 330 | -.43 | 272 | 330 | -.99 | 919 | 330 | -.19 | 121 | 345 | -.69 |
| 116 | 330 | -.22 | 225 | 330 | -.44 | 273 | 330 | -.11 | 920 | 330 | -.88 | 122 | 345 | -.69 |
| 117 | 330 | -.12 | 226 | 330 | -.43 | 301 | 330 | -.10 | 921 | 330 | -.31 | 123 | 345 | -.68 |
| 118 | 330 | -.01 | 227 | 330 | -.43 | 302 | 330 | -.13 | 922 | 330 | -.44 | 124 | 345 | -.56 |
| 119 | 330 | -.00 | 228 | 330 | -.47 | 303 | 330 | -.15 | 923 | 330 | -.65 | 125 | 345 | -.78 |
| 120 | 330 | -.31 | 229 | 330 | -.44 | 304 | 330 | -.16 | 924 | 330 | -.62 | 126 | 345 | -.81 |
| 121 | 330 | -.40 | 230 | 330 | -.46 | 305 | 330 | -.14 | 925 | 330 | -.60 | 127 | 345 | -.77 |
| 122 | 330 | -.11 | 231 | 330 | -.47 | 306 | 330 | -.17 | 926 | 330 | -.54 | 128 | 345 | -.74 |
| 123 | 330 | -.00 | 232 | 330 | -.45 | 307 | 330 | -.13 | 927 | 330 | -.54 | 129 | 345 | -.59 |
| 124 | 330 | -.01 | 233 | 330 | -.46 | 308 | 330 | -.13 | 928 | 330 | -.36 | 130 | 345 | -.21 |
| 125 | 330 | -.37 | 234 | 330 | -.48 | 309 | 330 | -.15 | 929 | 330 | -.79 | 131 | 345 | -.30 |
| 126 | 330 | -.26 | 235 | 330 | -.48 | 310 | 330 | -.17 | 930 | 330 | -.74 | 132 | 345 | -.19 |
| 127 | 330 | -.21 | 236 | 330 | -.52 | 311 | 330 | -.19 | 931 | 330 | -.34 | 133 | 345 | -.03 |
| 128 | 330 | -.11 | 237 | 330 | -.52 | 312 | 330 | -.17 | 932 | 330 | -.48 | 134 | 345 | -.78 |
| 129 | 330 | -.03 | 238 | 330 | -.49 | 313 | 330 | -.28 | 933 | 330 | -.42 | 135 | 345 | -.25 |
| 130 | 330 | -.31 | 239 | 330 | -.49 | 314 | 330 | -.28 | 934 | 330 | -.44 | 136 | 345 | -.28 |
| 131 | 330 | -.46 | 240 | 330 | -.50 | 401 | 330 | -.79 | 935 | 330 | -.39 | 137 | 345 | -.28 |
| 132 | 330 | -.24 | 241 | 330 | -.53 | 402 | 330 | -.63 | 936 | 330 | -.36 | 138 | 345 | -.09 |
| 133 | 330 | -.06 | 242 | 330 | -.53 | 403 | 330 | -.64 | 937 | 330 | -.28 | 139 | 345 | -.86 |
| 134 | 330 | -.03 | 243 | 330 | -.53 | 404 | 330 | -.47 | 938 | 330 | -.69 | 201 | 345 | -.33 |
| 135 | 330 | -.38 | 244 | 330 | -.56 | 405 | 330 | -.38 | 939 | 330 | -.85 | 202 | 345 | -.31 |
| 136 | 330 | -.28 | 245 | 330 | -.62 | 501 | 330 | -.28 | 940 | 330 | -.37 | 203 | 345 | -.33 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION D

| TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM |
|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|
| 204 | 345 | -.40 | 233 | 345 | -.42 | 262 | 345 | -.55 | 404 | 345 | -.64 | 919 | 345 | -.19 |
| 205 | 345 | -.40 | 234 | 345 | -.38 | 263 | 345 | -.55 | 405 | 345 | -.57 | 920 | 345 | -.61 |
| 206 | 345 | -.40 | 235 | 345 | -.40 | 264 | 345 | -.55 | 501 | 345 | -.46 | 921 | 345 | -.58 |
| 207 | 345 | -.42 | 236 | 345 | -.42 | 265 | 345 | -.55 | 502 | 345 | -.55 | 922 | 345 | -.55 |
| 208 | 345 | -.41 | 237 | 345 | -.41 | 266 | 345 | -.55 | 503 | 345 | -.65 | 923 | 345 | -.68 |
| 209 | 345 | -.40 | 238 | 345 | -.40 | 267 | 345 | -.55 | 504 | 345 | -.86 | 924 | 345 | -.73 |
| 210 | 345 | -.42 | 239 | 345 | -.42 | 268 | 345 | -.55 | 505 | 345 | -.82 | 925 | 345 | -.71 |
| 211 | 345 | -.44 | 240 | 345 | -.44 | 269 | 345 | -.55 | 506 | 345 | -.80 | 926 | 345 | -.76 |
| 212 | 345 | -.44 | 241 | 345 | -.44 | 270 | 345 | -.55 | 507 | 345 | -.83 | 927 | 345 | -.61 |
| 213 | 345 | -.43 | 242 | 345 | -.43 | 271 | 345 | -.55 | 508 | 345 | -.83 | 928 | 345 | -.68 |
| 214 | 345 | -.43 | 243 | 345 | -.43 | 272 | 345 | -.55 | 509 | 345 | -.90 | 929 | 345 | -.43 |
| 215 | 345 | -.42 | 244 | 345 | -.42 | 273 | 345 | -.55 | 901 | 345 | -.90 | 930 | 345 | -.41 |
| 216 | 345 | -.40 | 245 | 345 | -.40 | 301 | 345 | -.32 | 902 | 345 | -.94 | 931 | 345 | -.54 |
| 217 | 345 | -.40 | 246 | 345 | -.40 | 302 | 345 | -.32 | 903 | 345 | -.95 | 932 | 345 | -.66 |
| 218 | 345 | -.43 | 247 | 345 | -.43 | 303 | 345 | -.32 | 904 | 345 | -.85 | 933 | 345 | -.61 |
| 219 | 345 | -.47 | 248 | 345 | -.47 | 304 | 345 | -.31 | 905 | 345 | -.72 | 934 | 345 | -.61 |
| 220 | 345 | -.46 | 249 | 345 | -.46 | 305 | 345 | -.31 | 906 | 345 | -.72 | 935 | 345 | -.62 |
| 221 | 345 | -.48 | 250 | 345 | -.48 | 306 | 345 | -.31 | 907 | 345 | -.65 | 936 | 345 | -.55 |
| 222 | 345 | -.50 | 251 | 345 | -.50 | 307 | 345 | -.30 | 908 | 345 | -.65 | 937 | 345 | -.55 |
| 223 | 345 | -.47 | 252 | 345 | -.47 | 308 | 345 | -.31 | 909 | 345 | -.16 | 938 | 345 | -.45 |
| 224 | 345 | -.44 | 253 | 345 | -.44 | 309 | 345 | -.31 | 910 | 345 | -.90 | 939 | 345 | -.36 |
| 225 | 345 | -.52 | 254 | 345 | -.52 | 310 | 345 | -.40 | 911 | 345 | -.93 | 940 | 345 | -.42 |
| 226 | 345 | -.70 | 255 | 345 | -.70 | 311 | 345 | -.38 | 912 | 345 | -.91 | 941 | 345 | -.59 |
| 227 | 345 | -.53 | 256 | 345 | -.53 | 312 | 345 | -.40 | 913 | 345 | -.67 | 942 | 345 | -.47 |
| 228 | 345 | -.52 | 257 | 345 | -.52 | 313 | 345 | -.62 | 914 | 345 | -.66 | 943 | 345 | -.48 |
| 229 | 345 | -.56 | 258 | 345 | -.56 | 314 | 345 | -.56 | 915 | 345 | -.73 | 944 | 345 | -.50 |
| 230 | 345 | -.54 | 259 | 345 | -.54 | 401 | 345 | -.79 | 916 | 345 | -.12 | 945 | 345 | -.59 |
| 231 | 345 | -.59 | 260 | 345 | -.59 | 402 | 345 | -.69 | 917 | 345 | -.12 | 946 | 345 | -.48 |
| 232 | 345 | -.77 | 261 | 345 | -.55 | 403 | 345 | -.69 | 918 | 345 | -.08 | | | |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION E

| TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM |
|-----|----------|--------|-----|----------|--------|-----|----------|--------|------|----------|--------|------|----------|--------|
| 101 | 0 | .70 | 210 | 0 | .34 | 258 | 0 | .54 | 905 | 0 | .78 | 1121 | 0 | .04 |
| 102 | 0 | .69 | 211 | 0 | .32 | 259 | 0 | .56 | 906 | 0 | .11 | 1126 | 0 | .03 |
| 103 | 0 | .71 | 212 | 0 | .32 | 260 | 0 | .47 | 907 | 0 | .44 | 1136 | 0 | .04 |
| 104 | 0 | .66 | 213 | 0 | .34 | 261 | 0 | .44 | 908 | 0 | .69 | 1221 | 0 | .01 |
| 105 | 0 | .54 | 214 | 0 | .31 | 262 | 0 | .43 | 909 | 0 | .09 | 1222 | 0 | .02 |
| 106 | 0 | .72 | 215 | 0 | .34 | 263 | 0 | .45 | 910 | 0 | .79 | 1223 | 0 | .02 |
| 107 | 0 | .71 | 216 | 0 | .34 | 264 | 0 | .42 | 911 | 0 | .79 | 1224 | 0 | .02 |
| 108 | 0 | .71 | 217 | 0 | .36 | 265 | 0 | .76 | 912 | 0 | .79 | 1225 | 0 | .02 |
| 109 | 0 | .71 | 218 | 0 | .37 | 266 | 0 | .76 | 913 | 0 | .63 | 1226 | 0 | .02 |
| 110 | 0 | .61 | 219 | 0 | .32 | 267 | 0 | .73 | 914 | 0 | .67 | 1227 | 0 | .02 |
| 111 | 0 | .69 | 220 | 0 | .32 | 268 | 0 | .73 | 915 | 0 | .78 | 1230 | 0 | .01 |
| 112 | 0 | .72 | 221 | 0 | .32 | 269 | 0 | .65 | 916 | 0 | .62 | 1231 | 0 | .02 |
| 113 | 0 | .70 | 222 | 0 | .32 | 270 | 0 | .69 | 917 | 0 | .68 | 1232 | 0 | .01 |
| 114 | 0 | .67 | 223 | 0 | .33 | 271 | 0 | .62 | 918 | 0 | .76 | 1233 | 0 | .02 |
| 115 | 0 | .62 | 224 | 0 | .32 | 272 | 0 | .64 | 919 | 0 | .11 | 1234 | 0 | .02 |
| 116 | 0 | .68 | 225 | 0 | .34 | 273 | 0 | .63 | 920 | 0 | .64 | 1235 | 0 | .02 |
| 117 | 0 | .60 | 226 | 0 | .33 | 301 | 0 | .35 | 921 | 0 | .63 | 1236 | 0 | .02 |
| 118 | 0 | .62 | 227 | 0 | .33 | 302 | 0 | .31 | 922 | 0 | .70 | 1239 | 0 | .02 |
| 119 | 0 | .66 | 228 | 0 | .34 | 303 | 0 | .42 | 923 | 0 | .57 | 1240 | 0 | .02 |
| 120 | 0 | .62 | 229 | 0 | .41 | 304 | 0 | .38 | 924 | 0 | .70 | 1241 | 0 | .02 |
| 121 | 0 | .66 | 230 | 0 | .34 | 305 | 0 | .43 | 925 | 0 | .82 | 1242 | 0 | .02 |
| 122 | 0 | .64 | 231 | 0 | .34 | 306 | 0 | .38 | 926 | 0 | .70 | 1243 | 0 | .02 |
| 123 | 0 | .69 | 232 | 0 | .44 | 307 | 0 | .42 | 927 | 0 | .47 | 1244 | 0 | .02 |
| 124 | 0 | .71 | 233 | 0 | .33 | 308 | 0 | .37 | 928 | 0 | .66 | 1245 | 0 | .02 |
| 125 | 0 | .73 | 234 | 0 | .33 | 309 | 0 | .45 | 929 | 0 | .63 | 1248 | 0 | .02 |
| 126 | 0 | .78 | 235 | 0 | .35 | 310 | 0 | .42 | 930 | 0 | .67 | 1249 | 0 | .04 |
| 127 | 0 | .71 | 236 | 0 | .35 | 311 | 0 | .47 | 931 | 0 | .66 | 1250 | 0 | .02 |
| 128 | 0 | .74 | 237 | 0 | .35 | 312 | 0 | .49 | 932 | 0 | .51 | 1251 | 0 | .02 |
| 129 | 0 | .74 | 238 | 0 | .44 | 313 | 0 | .68 | 933 | 0 | .66 | 1252 | 0 | .02 |
| 130 | 0 | .21 | 239 | 0 | .44 | 314 | 0 | .73 | 934 | 0 | .64 | 1253 | 0 | .02 |
| 131 | 0 | .27 | 240 | 0 | .41 | 401 | 0 | .62 | 935 | 0 | .59 | 1254 | 0 | .01 |
| 132 | 0 | .09 | 241 | 0 | .38 | 402 | 0 | .50 | 936 | 0 | .59 | 1257 | 0 | .02 |
| 133 | 0 | .12 | 242 | 0 | .38 | 403 | 0 | .53 | 937 | 0 | .61 | 1258 | 0 | .02 |
| 134 | 0 | .10 | 243 | 0 | .38 | 404 | 0 | .46 | 938 | 0 | .56 | 1259 | 0 | .02 |
| 135 | 0 | .23 | 244 | 0 | .38 | 405 | 0 | .38 | 939 | 0 | .58 | 1260 | 0 | .03 |
| 136 | 0 | .21 | 245 | 0 | .44 | 501 | 0 | .54 | 940 | 0 | .61 | 1261 | 0 | .02 |
| 137 | 0 | .17 | 246 | 0 | .37 | 502 | 0 | .56 | 941 | 0 | .40 | 1262 | 0 | .01 |
| 138 | 0 | .18 | 247 | 0 | .36 | 503 | 0 | .59 | 942 | 0 | .54 | 1263 | 0 | .02 |
| 139 | 0 | .17 | 248 | 0 | .36 | 504 | 0 | .58 | 943 | 0 | .57 | 1266 | 0 | .04 |
| 201 | 0 | .33 | 249 | 0 | .45 | 505 | 0 | .56 | 944 | 0 | .67 | 1267 | 0 | .04 |
| 202 | 0 | .32 | 250 | 0 | .44 | 506 | 0 | .58 | 945 | 0 | .59 | 1268 | 0 | .04 |
| 203 | 0 | .38 | 251 | 0 | .42 | 507 | 0 | .61 | 946 | 0 | .56 | 1269 | 0 | .04 |
| 204 | 0 | .37 | 252 | 0 | .49 | 508 | 0 | .65 | 1107 | 0 | .03 | 1270 | 0 | .03 |
| 205 | 0 | .37 | 253 | 0 | .41 | 509 | 0 | .70 | 1108 | 0 | .03 | 1271 | 0 | .02 |
| 206 | 0 | .37 | 254 | 0 | .38 | 901 | 0 | .77 | 1109 | 0 | .03 | 1272 | 0 | .04 |
| 207 | 0 | .41 | 255 | 0 | .42 | 902 | 0 | .80 | 1110 | 0 | .64 | 1305 | 0 | .03 |
| 208 | 0 | .36 | 256 | 0 | .56 | 903 | 0 | .74 | 1111 | 0 | .03 | 1305 | 0 | .03 |
| 209 | 0 | .38 | 257 | 0 | .51 | 904 | 0 | .68 | 1112 | 0 | .02 | 1307 | 0 | .02 |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION E

| TAP | AZI- MUTH | ANSCPM | TAP | AZI- MUTH | ANSCPM | TAP | AZI- MUTH | ANSCPM | TAP | AZI- MUTH | ANSCPM | TAP | AZI- MUTH | ANSCPM |
|------|--------------|--------|------|--------------|--------|------|--------------|--------|------|--------------|--------|------|--------------|--------|
| 1309 | 0 | -.04 | 1916 | 0 | -.01 | 1925 | 0 | -.04 | 1933 | 0 | -.03 | 1941 | 0 | -.02 |
| 1311 | 0 | -.01 | 1917 | 0 | -.03 | 1926 | 0 | -.02 | 1934 | 0 | -.02 | 1942 | 0 | -.02 |
| 1313 | 0 | -.10 | 1918 | 0 | -.03 | 1927 | 0 | -.03 | 1935 | 0 | -.02 | 1943 | 0 | -.03 |
| 1911 | 0 | -.03 | 1921 | 0 | -.03 | 1928 | 0 | -.04 | 1936 | 0 | -.03 | 1944 | 0 | -.02 |
| 1913 | 0 | -.03 | 1923 | 0 | -.03 | 1930 | 0 | -.03 | 1937 | 0 | -.03 | 1945 | 0 | -.02 |
| 1914 | 0 | -.00 | 1924 | 0 | -.04 | 1932 | 0 | -.02 | 1939 | 0 | -.02 | 1945 | 0 | -.03 |
| 1915 | 0 | -.03 | | | | | | | | | | | | |

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG CONFIGURATION F

| TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM | TAP | AZI-MUTH | ANSCPM |
|-----|----------|--------|-----|----------|--------|-----|----------|--------|------|----------|--------|------|----------|--------|
| 101 | 270 | -.03 | 210 | 270 | -.58 | 238 | 270 | -.80 | 905 | 270 | -.60 | 1121 | 270 | -.24 |
| 102 | 270 | -.07 | 211 | 270 | -.56 | 239 | 270 | -.83 | 906 | 270 | -.54 | 1126 | 270 | -.28 |
| 103 | 270 | -.10 | 212 | 270 | -.59 | 260 | 270 | -.75 | 907 | 270 | -.42 | 1136 | 270 | -.45 |
| 104 | 270 | -.10 | 213 | 270 | -.60 | 261 | 270 | -.67 | 908 | 270 | -.30 | 1221 | 270 | -.18 |
| 105 | 270 | -.07 | 214 | 270 | -.63 | 262 | 270 | -.51 | 909 | 270 | -.26 | 1222 | 270 | -.20 |
| 106 | 270 | -.03 | 215 | 270 | -.56 | 263 | 270 | -.49 | 910 | 270 | -.53 | 1223 | 270 | -.19 |
| 107 | 270 | -.24 | 216 | 270 | -.41 | 264 | 270 | -.50 | 911 | 270 | -.53 | 1224 | 270 | -.20 |
| 108 | 270 | -.39 | 217 | 270 | -.31 | 265 | 270 | -.99 | 912 | 270 | -.58 | 1225 | 270 | -.20 |
| 109 | 270 | -.42 | 218 | 270 | -.25 | 266 | 270 | -.99 | 913 | 270 | -.52 | 1226 | 270 | -.21 |
| 110 | 270 | -.43 | 219 | 270 | -.27 | 267 | 270 | -1.12 | 914 | 270 | -.54 | 1227 | 270 | -.21 |
| 111 | 270 | -.34 | 220 | 270 | -.56 | 268 | 270 | -1.10 | 915 | 270 | -.59 | 1230 | 270 | -.21 |
| 112 | 270 | -.44 | 221 | 270 | -.57 | 269 | 270 | -.98 | 916 | 270 | -.53 | 1231 | 270 | -.21 |
| 113 | 270 | -.45 | 222 | 270 | -.62 | 270 | 270 | -.91 | 917 | 270 | -.41 | 1232 | 270 | -.22 |
| 114 | 270 | -.47 | 223 | 270 | -.58 | 271 | 270 | -.63 | 918 | 270 | -.27 | 1233 | 270 | -.21 |
| 115 | 270 | -.08 | 224 | 270 | -.51 | 272 | 270 | -.65 | 919 | 270 | -.25 | 1234 | 270 | -.22 |
| 116 | 270 | -.28 | 225 | 270 | -.38 | 273 | 270 | -.61 | 920 | 270 | -.31 | 1235 | 270 | -.22 |
| 117 | 270 | -.50 | 226 | 270 | -.30 | 301 | 270 | -.28 | 921 | 270 | -.34 | 1236 | 270 | -.23 |
| 118 | 270 | -.48 | 227 | 270 | -.24 | 302 | 270 | -.28 | 922 | 270 | -.36 | 1239 | 270 | -.24 |
| 119 | 270 | -.51 | 228 | 270 | -.25 | 303 | 270 | -.31 | 923 | 270 | -.52 | 1240 | 270 | -.22 |
| 120 | 270 | -.06 | 229 | 270 | -.59 | 304 | 270 | -.28 | 924 | 270 | -.57 | 1241 | 270 | -.23 |
| 121 | 270 | -.26 | 230 | 270 | -.57 | 305 | 270 | -.32 | 925 | 270 | -.59 | 1242 | 270 | -.23 |
| 122 | 270 | -.47 | 231 | 270 | -.59 | 306 | 270 | -.30 | 926 | 270 | -.53 | 1243 | 270 | -.24 |
| 123 | 270 | -.51 | 232 | 270 | -.64 | 307 | 270 | -.33 | 927 | 270 | -.40 | 1244 | 270 | -.25 |
| 124 | 270 | -.52 | 233 | 270 | -.58 | 308 | 270 | -.35 | 928 | 270 | -.27 | 1245 | 270 | -.25 |
| 125 | 270 | -.19 | 234 | 270 | -.45 | 309 | 270 | -.39 | 929 | 270 | -.47 | 1248 | 270 | -.26 |
| 126 | 270 | -.18 | 235 | 270 | -.37 | 310 | 270 | -.39 | 930 | 270 | -.52 | 1249 | 270 | -.26 |
| 127 | 270 | -.50 | 236 | 270 | -.32 | 311 | 270 | -.43 | 931 | 270 | -.55 | 1250 | 270 | -.28 |
| 128 | 270 | -.56 | 237 | 270 | -.31 | 312 | 270 | -.44 | 932 | 270 | -.47 | 1251 | 270 | -.27 |
| 129 | 270 | -.98 | 238 | 270 | -.39 | 313 | 270 | -.62 | 933 | 270 | -.54 | 1252 | 270 | -.27 |
| 130 | 270 | -.28 | 239 | 270 | -.59 | 314 | 270 | -.57 | 934 | 270 | -.59 | 1253 | 270 | -.28 |
| 131 | 270 | -.33 | 240 | 270 | -.63 | 401 | 270 | -.59 | 935 | 270 | -.55 | 1254 | 270 | -.29 |
| 132 | 270 | -.75 | 241 | 270 | -.64 | 402 | 270 | -.50 | 936 | 270 | -.41 | 1257 | 270 | -.30 |
| 133 | 270 | -.65 | 242 | 270 | -.61 | 403 | 270 | -.46 | 937 | 270 | -.21 | 1258 | 270 | -.30 |
| 134 | 270 | -.90 | 243 | 270 | -.53 | 404 | 270 | -.47 | 938 | 270 | -.48 | 1259 | 270 | -.32 |
| 135 | 270 | -.52 | 244 | 270 | -.44 | 405 | 270 | -.44 | 939 | 270 | -.52 | 1260 | 270 | -.30 |
| 136 | 270 | -.32 | 245 | 270 | -.40 | 501 | 270 | -.31 | 940 | 270 | -.60 | 1261 | 270 | -.31 |
| 137 | 270 | -.81 | 246 | 270 | -.38 | 502 | 270 | -.30 | 941 | 270 | -.50 | 1262 | 270 | -.31 |
| 138 | 270 | -.93 | 247 | 270 | -.64 | 503 | 270 | -.28 | 942 | 270 | -.53 | 1263 | 270 | -.33 |
| 139 | 270 | -.97 | 248 | 270 | -.65 | 504 | 270 | -.28 | 943 | 270 | -.61 | 1266 | 270 | -.44 |
| 201 | 270 | -.55 | 249 | 270 | -.68 | 505 | 270 | -.24 | 944 | 270 | -.57 | 1267 | 270 | -.45 |
| 202 | 270 | -.59 | 250 | 270 | -.73 | 506 | 270 | -.24 | 945 | 270 | -.46 | 1268 | 270 | -.44 |
| 203 | 270 | -.56 | 251 | 270 | -.70 | 507 | 270 | -.23 | 946 | 270 | -.23 | 1269 | 270 | -.45 |
| 204 | 270 | -.17 | 252 | 270 | -.61 | 508 | 270 | -.29 | 1107 | 270 | -.20 | 1270 | 270 | -.47 |
| 205 | 270 | -.15 | 253 | 270 | -.51 | 509 | 270 | -.27 | 1108 | 270 | -.20 | 1271 | 270 | -.45 |
| 206 | 270 | -.12 | 254 | 270 | -.46 | 901 | 270 | -.55 | 1109 | 270 | -.20 | 1272 | 270 | -.47 |
| 207 | 270 | -.17 | 255 | 270 | -.48 | 902 | 270 | -.56 | 1110 | 270 | -.20 | 1303 | 270 | -.22 |
| 208 | 270 | -.13 | 256 | 270 | -.73 | 903 | 270 | -.50 | 1111 | 270 | -.20 | 1305 | 270 | -.24 |
| 209 | 270 | -.12 | 257 | 270 | -.72 | 904 | 270 | -.57 | 1116 | 370 | -.23 | 1307 | 270 | -.24 |

444

TABLE 9. ANSI 1972 EQUIVALENT STRUCTURAL LOAD COEFFICIENTS AT EACH TAP : SHUTTLE ASSEMBLY BUILDING-VANDENBERG
CONFIGURATION F

| TAP | AZI- MUTH | ANSCPM | TAP | AZI- MUTH | ANSCPM | TAP | AZI- MUTH | ANSCPM | TAP | AZI- MUTH | ANSCPM | TAP | AZI- MUTH | ANSCPM |
|------|--------------|--------|------|--------------|--------|------|--------------|--------|------|--------------|--------|------|--------------|--------|
| 1309 | 270 | -.30 | 1916 | 270 | -.19 | 1925 | 270 | -.20 | 1933 | 270 | -.20 | 1941 | 270 | -.21 |
| 1311 | 270 | -.28 | 1917 | 270 | -.21 | 1926 | 270 | -.20 | 1934 | 270 | -.20 | 1942 | 270 | -.19 |
| 1313 | 270 | -.51 | 1918 | 270 | -.21 | 1927 | 270 | -.21 | 1935 | 270 | -.20 | 1943 | 270 | -.20 |
| 1911 | 270 | -.14 | 1921 | 270 | -.21 | 1928 | 270 | -.22 | 1936 | 270 | -.22 | 1944 | 270 | -.21 |
| 1913 | 270 | -.21 | 1923 | 270 | -.20 | 1930 | 270 | -.21 | 1937 | 270 | -.22 | 1945 | 270 | -.22 |
| 1914 | 270 | -.16 | 1924 | 270 | -.20 | 1932 | 270 | -.19 | 1939 | 270 | -.20 | 1946 | 270 | -.22 |
| 1915 | 270 | -.21 | | | | | | | | | | | | |

TABLE 10 ANSI 1972 EQUIVALENT NET COEFFICIENT ON EACH FLOOR : ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A

ANSI 1972 EQUIVALENT NET COEFFICIENT

| FLOOR | WD = 0 | | WD = 15 | | WD = 30 | | WD = 45 | | WD = 60 | | WD = 75 | |
|-------|--------|------|---------|------|---------|------|---------|------|---------|------|---------|------|
| | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y |
| 1ST | -.30 | 0.00 | -.04 | 0.00 | .63 | 0.00 | 1.00 | 0.00 | .96 | 0.00 | 1.08 | 0.00 |
| 2ND | -.30 | 0.00 | -.09 | 0.00 | .53 | 0.00 | .90 | 0.00 | .92 | 0.00 | 1.05 | 0.00 |
| 3RD | -.24 | 0.00 | -.12 | 0.00 | .27 | 0.00 | .68 | 0.00 | .78 | 0.00 | .99 | 0.00 |
| 4TH | -.10 | 0.00 | .01 | 0.00 | .16 | 0.00 | .50 | 0.00 | .67 | 0.00 | .91 | 0.00 |
| 5TH | .04 | 0.00 | .14 | 0.00 | .22 | 0.00 | .59 | 0.00 | .87 | 0.00 | 1.11 | 0.00 |
| 6TH | .23 | 0.00 | .30 | 0.00 | .32 | 0.00 | .35 | 0.00 | .55 | 0.00 | .85 | 0.00 |
| 7TH | .29 | 0.00 | .42 | 0.00 | .57 | 0.00 | .64 | 0.00 | .61 | 0.00 | .77 | 0.00 |
| 8TH | .31 | 0.00 | .46 | 0.00 | .68 | 0.00 | 1.02 | 0.00 | .86 | 0.00 | .81 | 0.00 |
| 9TH | .28 | 0.00 | .40 | 0.00 | .72 | 0.00 | 1.06 | 0.00 | 1.08 | 0.00 | .94 | 0.00 |

TABLE 10. ANSI 1972 EQUIVALENT NET COEFFICIENT ON EACH FLOOR : ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A

ANSI 1972 EQUIVALENT NET COEFFICIENT

| FLOOR | WD = 90 | | WD = 105 | | WD = 120 | | WD = 135 | | WD = 150 | | WD = 165 | |
|-------|---------|------|----------|------|----------|------|----------|------|----------|------|----------|------|
| | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y |
| 1ST | 1.13 | 0.00 | .94 | 0.00 | 1.08 | 0.00 | 1.06 | 0.00 | .72 | 0.00 | .40 | 0.00 |
| 2ND | 1.07 | 0.00 | .81 | 0.00 | .86 | 0.00 | 1.02 | 0.00 | .68 | 0.00 | .46 | 0.00 |
| 3RD | 1.06 | 0.00 | .77 | 0.00 | .61 | 0.00 | .64 | 0.00 | .57 | 0.00 | .42 | 0.00 |
| 4TH | 1.07 | 0.00 | .85 | 0.00 | .55 | 0.00 | .35 | 0.00 | .32 | 0.00 | .30 | 0.00 |
| 5TH | 1.08 | 0.00 | 1.09 | 0.00 | .68 | 0.00 | .66 | 0.00 | .24 | 0.00 | .17 | 0.00 |
| 6TH | 1.07 | 0.00 | .91 | 0.00 | .67 | 0.00 | .50 | 0.00 | .16 | 0.00 | .01 | 0.00 |
| 7TH | 1.06 | 0.00 | .99 | 0.00 | .78 | 0.00 | .68 | 0.00 | .27 | 0.00 | -.12 | 0.00 |
| 8TH | 1.07 | 0.00 | 1.05 | 0.00 | .92 | 0.00 | .90 | 0.00 | .53 | 0.00 | -.09 | 0.00 |
| 9TH | 1.15 | 0.00 | 1.08 | 0.00 | .96 | 0.00 | 1.00 | 0.00 | .63 | 0.00 | -.04 | 0.00 |

TABLE 10. ANSI 1972 EQUIVALENT NET COEFFICIENT ON EACH FLOOR : ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A

ANSI 1972 EQUIVALENT NET COEFFICIENT

| FLOOR | WD = 180 | | WD = 195 | | WD = 210 | | WD = 225 | | WD = 240 | | WD = 255 | |
|-------|----------|------|----------|------|----------|------|----------|------|----------|------|----------|------|
| | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y |
| 1ST | .28 | 0.00 | .43 | 0.00 | .49 | 0.00 | .29 | 0.00 | .06 | 0.00 | .07 | 0.00 |
| 2ND | .31 | 0.00 | .43 | 0.00 | .48 | 0.00 | .32 | 0.00 | -.00 | 0.00 | -.07 | 0.00 |
| 3RD | .29 | 0.00 | .42 | 0.00 | .36 | 0.00 | .14 | 0.00 | -.23 | 0.00 | -.40 | 0.00 |
| 4TH | .23 | 0.00 | .24 | 0.00 | .10 | 0.00 | -.22 | 0.00 | -.53 | 0.00 | -.41 | 0.00 |
| 5TH | .07 | 0.00 | .06 | 0.00 | .01 | 0.00 | -.10 | 0.00 | -.31 | 0.00 | -.18 | 0.00 |
| 6TH | -.10 | 0.00 | -.14 | 0.00 | -.15 | 0.00 | -.20 | 0.00 | -.33 | 0.00 | -.26 | 0.00 |
| 7TH | -.24 | 0.00 | -.23 | 0.00 | -.03 | 0.00 | .10 | 0.00 | -.07 | 0.00 | -.05 | 0.00 |
| 8TH | -.30 | 0.00 | -.19 | 0.00 | .16 | 0.00 | .32 | 0.00 | .15 | 0.00 | .12 | 0.00 |
| 9TH | -.30 | 0.00 | -.19 | 0.00 | .28 | 0.00 | .45 | 0.00 | .30 | 0.00 | .26 | 0.00 |

TABLE 10. ANSI 1972 EQUIVALENT NET COEFFICIENT ON EACH FLOOR : ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A

ANSI 1972 EQUIVALENT NET COEFFICIENT

| FLOOR | WD = 270 | | WD = 285 | | WD = 300 | | WD = 315 | | WD = 330 | | WD = 345 | |
|-------|----------|------|----------|------|----------|------|----------|------|----------|------|----------|------|
| | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y |
| 1ST | .27 | 0.00 | .26 | 0.00 | .30 | 0.00 | .45 | 0.00 | .28 | 0.00 | -.19 | 0.00 |
| 2ND | .22 | 0.00 | .12 | 0.00 | .15 | 0.00 | .32 | 0.00 | .16 | 0.00 | -.19 | 0.00 |
| 3RD | .22 | 0.00 | -.05 | 0.00 | -.07 | 0.00 | .10 | 0.00 | -.03 | 0.00 | -.23 | 0.00 |
| 4TH | .19 | 0.00 | -.26 | 0.00 | -.33 | 0.00 | -.20 | 0.00 | -.15 | 0.00 | -.14 | 0.00 |
| 5TH | .23 | 0.00 | -.12 | 0.00 | -.29 | 0.00 | -.13 | 0.00 | -.03 | 0.00 | .03 | 0.00 |
| 6TH | .19 | 0.00 | -.41 | 0.00 | -.53 | 0.00 | -.22 | 0.00 | .10 | 0.00 | .24 | 0.00 |
| 7TH | .22 | 0.00 | -.40 | 0.00 | -.23 | 0.00 | .14 | 0.00 | .36 | 0.00 | .42 | 0.00 |
| 8TH | .22 | 0.00 | -.07 | 0.00 | -.00 | 0.00 | .32 | 0.00 | .48 | 0.00 | .45 | 0.00 |
| 9TH | .27 | 0.00 | .07 | 0.00 | .06 | 0.00 | .30 | 0.00 | .49 | 0.00 | .43 | 0.00 |

TABLE 10. ANSI 1972 EQUIVALENT NET COEFFICIENT ON EACH FLOOR : SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A

| FLOOR | WD = 0 | | WD = 15 | | WD = 30 | | WD = 45 | | WD = 60 | | WD = 75 | |
|-------|--------|------|---------|------|---------|------|---------|------|---------|------|---------|------|
| | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y |
| 1ST | -.90 | 0.00 | -.42 | 0.00 | 1.05 | 0.00 | 1.70 | 0.00 | 1.86 | 0.00 | 1.92 | 0.00 |
| 2ND | -.64 | 0.00 | -.31 | 0.00 | .76 | 0.00 | 1.23 | 0.00 | 1.32 | 0.00 | 1.39 | 0.00 |
| 3RD | -.56 | 0.00 | -.25 | 0.00 | .66 | 0.00 | 1.17 | 0.00 | 1.19 | 0.00 | 1.26 | 0.00 |
| 4TH | -.44 | 0.00 | -.19 | 0.00 | .57 | 0.00 | 1.06 | 0.00 | 1.04 | 0.00 | 1.08 | 0.00 |
| 5TH | -.37 | 0.00 | -.10 | 0.00 | .58 | 0.00 | 1.00 | 0.00 | 1.00 | 0.00 | 1.03 | 0.00 |
| 6TH | -.36 | 0.00 | -.08 | 0.00 | .63 | 0.00 | 1.01 | 0.00 | .98 | 0.00 | 1.07 | 0.00 |
| 7TH | -.37 | 0.00 | -.05 | 0.00 | .73 | 0.00 | 1.08 | 0.00 | 1.08 | 0.00 | 1.17 | 0.00 |

TABLE 10. ANSI 1972 EQUIVALENT NET COEFFICIENT ON EACH FLOOR - SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A

| FLOOR | WD = 90 | | WD = 105 | | WD = 120 | | WD = 135 | | WD = 150 | | WD = 165 | |
|-------|---------|------|----------|------|----------|------|----------|------|----------|------|----------|------|
| | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y |
| 1ST | 1.59 | 0.00 | .25 | 0.00 | -1.10 | 0.00 | -1.68 | 0.00 | -2.08 | 0.00 | -2.40 | 0.00 |
| 2ND | 1.17 | 0.00 | .20 | 0.00 | -.76 | 0.00 | -1.16 | 0.00 | -1.43 | 0.00 | -1.64 | 0.00 |
| 3RD | 1.08 | 0.00 | .20 | 0.00 | -.66 | 0.00 | -1.04 | 0.00 | -1.27 | 0.00 | -1.50 | 0.00 |
| 4TH | .95 | 0.00 | .17 | 0.00 | -.60 | 0.00 | -.93 | 0.00 | -1.18 | 0.00 | -1.36 | 0.00 |
| 5TH | .92 | 0.00 | .26 | 0.00 | -.44 | 0.00 | -.79 | 0.00 | -1.05 | 0.00 | -1.24 | 0.00 |
| 6TH | .93 | 0.00 | .35 | 0.00 | -.27 | 0.00 | -.64 | 0.00 | -.92 | 0.00 | -1.12 | 0.00 |
| 7TH | 1.06 | 0.00 | .53 | 0.00 | .14 | 0.00 | -.16 | 0.00 | -.47 | 0.00 | -.73 | 0.00 |

TABLE 10. ANSI 1972 EQUIVALENT NET COEFFICIENT ON EACH FLOOR : SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A

ANSI 1972 EQUIVALENT NET COEFFICIENT

| FLOOR | WD = 180 | | WD = 195 | | WD = 210 | | WD = 225 | | WD = 240 | | WD = 255 | |
|-------|----------|------|----------|------|----------|------|----------|------|----------|------|----------|------|
| | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y |
| 1ST | -2.81 | 0.00 | -2.44 | 0.00 | -2.42 | 0.00 | -2.34 | 0.00 | -2.07 | 0.00 | -1.20 | 0.00 |
| 2ND | -1.93 | 0.00 | -1.74 | 0.00 | -1.73 | 0.00 | -1.66 | 0.00 | -1.48 | 0.00 | -.87 | 0.00 |
| 3RD | -1.74 | 0.00 | -1.58 | 0.00 | -1.53 | 0.00 | -1.48 | 0.00 | -1.31 | 0.00 | -.75 | 0.00 |
| 4TH | -1.56 | 0.00 | -1.43 | 0.00 | -1.36 | 0.00 | -1.31 | 0.00 | -1.13 | 0.00 | -.66 | 0.00 |
| 5TH | -1.42 | 0.00 | -1.31 | 0.00 | -1.21 | 0.00 | -1.11 | 0.00 | -.95 | 0.00 | -.52 | 0.00 |
| 6TH | -1.31 | 0.00 | -1.18 | 0.00 | -1.07 | 0.00 | -.96 | 0.00 | -.80 | 0.00 | -.44 | 0.00 |
| 7TH | -.90 | 0.00 | -.77 | 0.00 | -.70 | 0.00 | -.65 | 0.00 | -.59 | 0.00 | -.25 | 0.00 |

TABLE 10. ANSI 1972 EQUIVALENT NET COEFFICIENT ON EACH FLOOR : SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A

| FLOOR | WD = 270 | | WD = 285 | | WD = 300 | | WD = 315 | | WD = 330 | | WD = 345 | |
|-------|----------|------|----------|------|----------|------|----------|------|----------|------|----------|------|
| | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y |
| 1ST | .43 | 0.00 | 1.15 | 0.00 | 1.32 | 0.00 | 1.39 | 0.00 | .84 | 0.00 | -.41 | 0.00 |
| 2ND | .32 | 0.00 | .80 | 0.00 | .92 | 0.00 | .97 | 0.00 | .57 | 0.00 | -.31 | 0.00 |
| 3RD | .28 | 0.00 | .73 | 0.00 | .83 | 0.00 | .88 | 0.00 | .54 | 0.00 | -.24 | 0.00 |
| 4TH | .24 | 0.00 | .60 | 0.00 | .70 | 0.00 | .80 | 0.00 | .52 | 0.00 | -.15 | 0.00 |
| 5TH | .22 | 0.00 | .43 | 0.00 | .49 | 0.00 | .57 | 0.00 | .37 | 0.00 | -.12 | 0.00 |
| 6TH | .16 | 0.00 | .34 | 0.00 | .30 | 0.00 | .37 | 0.00 | .21 | 0.00 | -.17 | 0.00 |
| 7TH | .21 | 0.00 | .30 | 0.00 | .17 | 0.00 | .24 | 0.00 | .12 | 0.00 | -.24 | 0.00 |

TABLE 10. ANSI 1972 EQUIVALENT NET COEFFICIENT ON EACH FLOOR : WEST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A

| FLOOR | WD = 0 | | WD = 15 | | WD = 30 | | WD = 45 | | WD = 60 | | WD = 75 | |
|-------|--------|------|---------|------|---------|------|---------|------|---------|------|---------|------|
| | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y |
| 1ST | -.22 | 0.00 | .07 | 0.00 | .05 | 0.00 | .32 | 0.00 | .55 | 0.00 | .86 | 0.00 |
| 2ND | -.17 | 0.00 | .07 | 0.00 | .05 | 0.00 | .40 | 0.00 | .54 | 0.00 | .90 | 0.00 |
| 3RD | -.04 | 0.00 | .04 | 0.00 | .06 | 0.00 | .34 | 0.00 | .41 | 0.00 | .61 | 0.00 |
| 4TH | -.01 | 0.00 | .01 | 0.00 | .23 | 0.00 | .49 | 0.00 | .55 | 0.00 | .66 | 0.00 |
| 5TH | .00 | 0.00 | .03 | 0.00 | .09 | 0.00 | .32 | 0.00 | .44 | 0.00 | .50 | 0.00 |
| 6TH | .07 | 0.00 | .13 | 0.00 | .53 | 0.00 | .97 | 0.00 | 1.03 | 0.00 | .98 | 0.00 |
| 7TH | .01 | 0.00 | .08 | 0.00 | .44 | 0.00 | .97 | 0.00 | 1.10 | 0.00 | .90 | 0.00 |
| 8TH | -.05 | 0.00 | .02 | 0.00 | .16 | 0.00 | .72 | 0.00 | .91 | 0.00 | .56 | 0.00 |

TABLE 10. ANSI 1972 EQUIVALENT NET COEFFICIENT ON EACH FLOOR : WEST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A

ANSI 1972 EQUIVALENT NET COEFFICIENT

| FLOOR | WD = 90 | | WD = 105 | | WD = 120 | | WD = 135 | | WD = 150 | | WD = 165 | |
|-------|---------|------|----------|------|----------|------|----------|------|----------|------|----------|------|
| | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y |
| 1ST | .98 | 0.00 | .86 | 0.00 | .55 | 0.00 | .32 | 0.00 | .05 | 0.00 | .07 | 0.00 |
| 2ND | 1.01 | 0.00 | .96 | 0.00 | .54 | 0.00 | .39 | 0.00 | .05 | 0.00 | .07 | 0.00 |
| 3RD | .66 | 0.00 | .61 | 0.00 | .41 | 0.00 | .34 | 0.00 | .06 | 0.00 | .03 | 0.00 |
| 4TH | .70 | 0.00 | .66 | 0.00 | .55 | 0.00 | .49 | 0.00 | .23 | 0.00 | .01 | 0.00 |
| 5TH | .53 | 0.00 | .50 | 0.00 | .44 | 0.00 | .32 | 0.00 | .09 | 0.00 | .03 | 0.00 |
| 6TH | 1.01 | 0.00 | .97 | 0.00 | 1.02 | 0.00 | .96 | 0.00 | .53 | 0.00 | .13 | 0.00 |
| 7TH | .77 | 0.00 | .88 | 0.00 | 1.09 | 0.00 | .95 | 0.00 | .43 | 0.00 | .08 | 0.00 |
| 8TH | .28 | 0.00 | .56 | 0.00 | .91 | 0.00 | .71 | 0.00 | .15 | 0.00 | .01 | 0.00 |

TABLE 10. ANSI 1972 EQUIVALENT NET COEFFICIENT ON EACH FLOOR : WEST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A

| FLOOR | WD = 180 | | WD = 195 | | WD = 210 | | WD = 225 | | WD = 240 | | WD = 255 | |
|-------|----------|------|----------|------|----------|------|----------|------|----------|------|----------|------|
| | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y |
| 1ST | -.22 | 0.00 | -.21 | 0.00 | .79 | 0.00 | .33 | 0.00 | -.84 | 0.00 | -1.24 | 0.00 |
| 2ND | -.17 | 0.00 | -.23 | 0.00 | .77 | 0.00 | .27 | 0.00 | -1.07 | 0.00 | -1.54 | 0.00 |
| 3RD | -.04 | 0.00 | -.15 | 0.00 | .49 | 0.00 | .16 | 0.00 | -.75 | 0.00 | -1.04 | 0.00 |
| 4TH | -.01 | 0.00 | -.12 | 0.00 | .47 | 0.00 | -.02 | 0.00 | -.75 | 0.00 | -1.03 | 0.00 |
| 5TH | .00 | 0.00 | -.09 | 0.00 | .37 | 0.00 | -.27 | 0.00 | -.96 | 0.00 | -1.07 | 0.00 |
| 6TH | .07 | 0.00 | -.02 | 0.00 | -.17 | 0.00 | -.56 | 0.00 | -.90 | 0.00 | -.93 | 0.00 |
| 7TH | .02 | 0.00 | -.17 | 0.00 | -.41 | 0.00 | -.83 | 0.00 | -1.19 | 0.00 | -1.25 | 0.00 |
| 8TH | -.04 | 0.00 | -.28 | 0.00 | -.46 | 0.00 | -.77 | 0.00 | -1.04 | 0.00 | -1.11 | 0.00 |

TABLE 10. ANSI 1972 EQUIVALENT NET COEFFICIENT ON EACH FLOOR : WEST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A

| FLOOR | WD = 270 | | WD = 285 | | WD = 300 | | WD = 315 | | WD = 330 | | WD = 345 | |
|-------|----------|------|----------|------|----------|------|----------|------|----------|------|----------|------|
| | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y |
| 1ST | -.90 | 0.00 | -1.23 | 0.00 | -.83 | 0.00 | .33 | 0.00 | .79 | 0.00 | -.20 | 0.00 |
| 2ND | -1.17 | 0.00 | -1.53 | 0.00 | -1.06 | 0.00 | .28 | 0.00 | .77 | 0.00 | -.22 | 0.00 |
| 3RD | -.83 | 0.00 | -1.03 | 0.00 | -.74 | 0.00 | .16 | 0.00 | .49 | 0.00 | -.15 | 0.00 |
| 4TH | -.84 | 0.00 | -1.03 | 0.00 | -.74 | 0.00 | -.02 | 0.00 | .47 | 0.00 | -.12 | 0.00 |
| 5TH | -.91 | 0.00 | -1.06 | 0.00 | -.95 | 0.00 | -.27 | 0.00 | .37 | 0.00 | -.09 | 0.00 |
| 6TH | -.76 | 0.00 | -.93 | 0.00 | -.90 | 0.00 | -.57 | 0.00 | -.18 | 0.00 | -.02 | 0.00 |
| 7TH | -1.04 | 0.00 | -1.25 | 0.00 | -1.19 | 0.00 | -.83 | 0.00 | -.41 | 0.00 | -.18 | 0.00 |
| 8TH | -.94 | 0.00 | -1.10 | 0.00 | -1.04 | 0.00 | -.76 | 0.00 | -.45 | 0.00 | -.28 | 0.00 |

TABLE 10. ANSI 1972 EQUIVALENT NET COEFFICIENT ON EACH FLOOR : EAST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A

| FLOOR | WD = 0 | | WD = 15 | | WD = 30 | | WD = 45 | | WD = 60 | | WD = 75 | |
|-------|--------|------|---------|------|---------|------|---------|------|---------|------|---------|------|
| | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y |
| 1ST | -.29 | 0.00 | -.33 | 0.00 | .91 | 0.00 | .96 | 0.00 | -.24 | 0.00 | -.24 | 0.00 |
| 2ND | -.05 | 0.00 | -.07 | 0.00 | .79 | 0.00 | .77 | 0.00 | -.19 | 0.00 | -.28 | 0.00 |
| 3RD | -.03 | 0.00 | -.15 | 0.00 | .62 | 0.00 | .50 | 0.00 | -.30 | 0.00 | -.41 | 0.00 |
| 4TH | .01 | 0.00 | -.09 | 0.00 | .56 | 0.00 | .49 | 0.00 | -.28 | 0.00 | -.39 | 0.00 |
| 5TH | -.04 | 0.00 | -.09 | 0.00 | .68 | 0.00 | .40 | 0.00 | -.32 | 0.00 | -.36 | 0.00 |
| 6TH | -.13 | 0.00 | -.09 | 0.00 | .69 | 0.00 | .36 | 0.00 | -.26 | 0.00 | -.36 | 0.00 |
| 7TH | .05 | 0.00 | .00 | 0.00 | -.83 | 0.00 | -1.51 | 0.00 | -1.74 | 0.00 | -1.57 | 0.00 |
| 8TH | .00 | 0.00 | -.09 | 0.00 | -1.17 | 0.00 | -1.92 | 0.00 | -1.84 | 0.00 | -1.63 | 0.00 |

TABLE 10. ANSI 1972 EQUIVALENT NET COEFFICIENT ON EACH FLOOR : EAST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A

| FLOOR | WD = 90 | | WD = 105 | | WD = 120 | | WD = 135 | | WD = 150 | | WD = 165 | |
|-------|---------|------|----------|------|----------|------|----------|------|----------|------|----------|------|
| | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y |
| 1ST | .21 | 0.00 | -.24 | 0.00 | -.25 | 0.00 | .97 | 0.00 | .91 | 0.00 | -.33 | 0.00 |
| 2ND | -.01 | 0.00 | -.28 | 0.00 | -.19 | 0.00 | .77 | 0.00 | .80 | 0.00 | -.07 | 0.00 |
| 3RD | -.23 | 0.00 | -.41 | 0.00 | -.30 | 0.00 | .50 | 0.00 | .63 | 0.00 | -.15 | 0.00 |
| 4TH | -.22 | 0.00 | -.39 | 0.00 | -.28 | 0.00 | .49 | 0.00 | .56 | 0.00 | -.09 | 0.00 |
| 5TH | -.21 | 0.00 | -.36 | 0.00 | -.32 | 0.00 | .41 | 0.00 | .68 | 0.00 | -.09 | 0.00 |
| 6TH | -.17 | 0.00 | -.36 | 0.00 | -.26 | 0.00 | .36 | 0.00 | .69 | 0.00 | -.09 | 0.00 |
| 7TH | -1.15 | 0.00 | -1.24 | 0.00 | -1.36 | 0.00 | -1.01 | 0.00 | -.51 | 0.00 | -.53 | 0.00 |
| 8TH | -1.14 | 0.00 | -1.28 | 0.00 | -1.43 | 0.00 | -1.39 | 0.00 | -.85 | 0.00 | -.65 | 0.00 |

TABLE 10. ANSI 1972 EQUIVALENT NET COEFFICIENT ON EACH FLOOR : EAST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A

ANSI 1972 EQUIVALENT NET COEFFICIENT

| FLOOR | WD = 180 | | WD = 195 | | WD = 210 | | WD = 225 | | WD = 240 | | WD = 255 | |
|-------|----------|------|----------|------|----------|------|----------|------|----------|------|----------|------|
| | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y |
| 1ST | -.29 | 0.00 | .05 | 0.00 | .03 | 0.00 | .25 | 0.00 | .27 | 0.00 | .49 | 0.00 |
| 2ND | -.05 | 0.00 | .14 | 0.00 | .05 | 0.00 | .18 | 0.00 | .25 | 0.00 | .42 | 0.00 |
| 3RD | -.03 | 0.00 | .04 | 0.00 | -.04 | 0.00 | .13 | 0.00 | .15 | 0.00 | .25 | 0.00 |
| 4TH | .01 | 0.00 | .04 | 0.00 | .14 | 0.00 | .27 | 0.00 | .24 | 0.00 | .21 | 0.00 |
| 5TH | -.04 | 0.00 | .03 | 0.00 | .04 | 0.00 | .15 | 0.00 | .12 | 0.00 | .09 | 0.00 |
| 6TH | -.13 | 0.00 | .01 | 0.00 | .07 | 0.00 | .16 | 0.00 | .11 | 0.00 | .04 | 0.00 |
| 7TH | -.32 | 0.00 | -.02 | 0.00 | .12 | 0.00 | .48 | 0.00 | .83 | 0.00 | .95 | 0.00 |
| 8TH | -.38 | 0.00 | -.05 | 0.00 | .15 | 0.00 | .51 | 0.00 | .92 | 0.00 | 1.06 | 0.00 |

TABLE 10. ANSI 1972 EQUIVALENT NET COEFFICIENT ON EACH FLOOR : EAST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION A

| FLOOR | WD = 270 | | WD = 285 | | WD = 300 | | WD = 315 | | WD = 330 | | WD = 345 | |
|-------|----------|------|----------|------|----------|------|----------|------|----------|------|----------|------|
| | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y |
| 1ST | .67 | 0.00 | .49 | 0.00 | .28 | 0.00 | .25 | 0.00 | .03 | 0.00 | .05 | 0.00 |
| 2ND | .51 | 0.00 | .42 | 0.00 | .25 | 0.00 | .18 | 0.00 | .05 | 0.00 | .15 | 0.00 |
| 3RD | .30 | 0.00 | .25 | 0.00 | .13 | 0.00 | .13 | 0.00 | -.04 | 0.00 | .04 | 0.00 |
| 4TH | .21 | 0.00 | .21 | 0.00 | .24 | 0.00 | .27 | 0.00 | .14 | 0.00 | .04 | 0.00 |
| 5TH | .09 | 0.00 | .09 | 0.00 | .12 | 0.00 | .15 | 0.00 | .04 | 0.00 | .03 | 0.00 |
| 6TH | .05 | 0.00 | .04 | 0.00 | .11 | 0.00 | .16 | 0.00 | .07 | 0.00 | .01 | 0.00 |
| 7TH | .22 | 0.00 | .85 | 0.00 | .69 | 0.00 | .31 | 0.00 | .00 | 0.00 | -.07 | 0.00 |
| 8TH | .19 | 0.00 | .96 | 0.00 | .80 | 0.00 | .34 | 0.00 | .03 | 0.00 | -.10 | 0.00 |

TABLE 10. ANSI 1972 EQUIVALENT NET COEFFICIENT ON EACH FLOOR : ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C

ANSI 1972 EQUIVALENT NET COEFFICIENT

| FLOOR | WD = 0 | | WD = 15 | | WD = 30 | | WD = 45 | | WD = 60 | | WD = 75 | |
|-------|--------|------|---------|------|---------|------|---------|------|---------|------|---------|------|
| | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y |
| 1ST | -.19 | 0.00 | .02 | 0.00 | .10 | 0.00 | .12 | 0.00 | .09 | 0.00 | .17 | 0.00 |
| 2ND | -.10 | 0.00 | .04 | 0.00 | .10 | 0.00 | .09 | 0.00 | .04 | 0.00 | .07 | 0.00 |
| 3RD | -.12 | 0.00 | .03 | 0.00 | .09 | 0.00 | .05 | 0.00 | -.03 | 0.00 | -.09 | 0.00 |
| 4TH | -.01 | 0.00 | .13 | 0.00 | .14 | 0.00 | .07 | 0.00 | -.01 | 0.00 | -.06 | 0.00 |
| 5TH | .14 | 0.00 | .25 | 0.00 | .25 | 0.00 | .17 | 0.00 | .06 | 0.00 | -.02 | 0.00 |
| 6TH | .21 | 0.00 | .17 | 0.00 | .20 | 0.00 | .17 | 0.00 | .09 | 0.00 | .01 | 0.00 |
| 7TH | .28 | 0.00 | .27 | 0.00 | .25 | 0.00 | .23 | 0.00 | .22 | 0.00 | .11 | 0.00 |
| 8TH | .51 | 0.00 | .52 | 0.00 | .52 | 0.00 | .54 | 0.00 | .48 | 0.00 | .24 | 0.00 |
| 9TH | .49 | 0.00 | .62 | 0.00 | .70 | 0.00 | .68 | 0.00 | .59 | 0.00 | .31 | 0.00 |

TABLE 10. ANSI 1972 EQUIVALENT NET COEFFICIENT ON EACH FLOOR : ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C

ANSI 1972 EQUIVALENT NET COEFFICIENT

| FLOOR | WD = 90 | | WD = 105 | | WD = 120 | | WD = 135 | | WD = 150 | | WD = 165 | |
|-------|---------|------|----------|------|----------|------|----------|------|----------|------|----------|------|
| | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y |
| 1ST | .12 | 0.00 | .31 | 0.00 | .59 | 0.00 | .68 | 0.00 | .76 | 0.00 | .62 | 0.00 |
| 2ND | .08 | 0.00 | .24 | 0.00 | .48 | 0.00 | .54 | 0.00 | .52 | 0.00 | .52 | 0.00 |
| 3RD | .02 | 0.00 | .11 | 0.00 | .22 | 0.00 | .25 | 0.00 | .25 | 0.00 | .27 | 0.00 |
| 4TH | .02 | 0.00 | .01 | 0.00 | .09 | 0.00 | .17 | 0.00 | .20 | 0.00 | .17 | 0.00 |
| 5TH | .04 | 0.00 | .01 | 0.00 | .07 | 0.00 | .19 | 0.00 | .32 | 0.00 | .30 | 0.00 |
| 6TH | .02 | 0.00 | -.06 | 0.00 | -.01 | 0.00 | .07 | 0.00 | .14 | 0.00 | .13 | 0.00 |
| 7TH | .02 | 0.00 | -.09 | 0.00 | -.05 | 0.00 | .05 | 0.00 | .09 | 0.00 | .05 | 0.00 |
| 8TH | .08 | 0.00 | .07 | 0.00 | .04 | 0.00 | .09 | 0.00 | .10 | 0.00 | .04 | 0.00 |
| 9TH | .12 | 0.00 | .17 | 0.00 | .09 | 0.00 | .12 | 0.00 | .10 | 0.00 | .02 | 0.00 |

TABLE 10. ANSI 1972 EQUIVALENT NET COEFFICIENT ON EACH FLOOR : ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C

ANSI 1972 EQUIVALENT NET COEFFICIENT

| FLOOR | WD = 180 | | WD = 195 | | WD = 210 | | WD = 225 | | WD = 240 | | WD = 255 | |
|-------|----------|------|----------|------|----------|------|----------|------|----------|------|----------|------|
| | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y |
| 1ST | .49 | 0.00 | .40 | 0.00 | .91 | 0.00 | 1.13 | 0.00 | 1.14 | 0.00 | 1.36 | 0.00 |
| 2ND | .51 | 0.00 | .49 | 0.00 | .94 | 0.00 | 1.14 | 0.00 | 1.09 | 0.00 | 1.20 | 0.00 |
| 3RD | .28 | 0.00 | .38 | 0.00 | .85 | 0.00 | 1.02 | 0.00 | 1.04 | 0.00 | .98 | 0.00 |
| 4TH | .21 | 0.00 | .20 | 0.00 | .65 | 0.00 | .83 | 0.00 | .87 | 0.00 | 1.01 | 0.00 |
| 5TH | .20 | 0.00 | .07 | 0.00 | .55 | 0.00 | .94 | 0.00 | 1.17 | 0.00 | 1.28 | 0.00 |
| 6TH | -.01 | 0.00 | -.19 | 0.00 | .36 | 0.00 | .79 | 0.00 | 1.09 | 0.00 | 1.09 | 0.00 |
| 7TH | -.12 | 0.00 | -.28 | 0.00 | .35 | 0.00 | .90 | 0.00 | 1.23 | 0.00 | 1.24 | 0.00 |
| 8TH | -.18 | 0.00 | -.26 | 0.00 | .45 | 0.00 | 1.06 | 0.00 | 1.37 | 0.00 | 1.35 | 0.00 |
| 9TH | -.19 | 0.00 | -.25 | 0.00 | .52 | 0.00 | 1.19 | 0.00 | 1.49 | 0.00 | 1.42 | 0.00 |

TABLE 10. ANSI 1972 EQUIVALENT NET COEFFICIENT ON EACH FLOOR : ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C

| FLOOR | WD = 270 | | WD = 285 | | WD = 300 | | WD = 315 | | WD = 330 | | WD = 345 | |
|-------|----------|------|----------|------|----------|------|----------|------|----------|------|----------|------|
| | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y |
| 1ST | 1.48 | 0.00 | 1.42 | 0.00 | 1.49 | 0.00 | 1.15 | 0.00 | .52 | 0.00 | -.25 | 0.00 |
| 2ND | 1.44 | 0.00 | 1.35 | 0.00 | 1.37 | 0.00 | 1.06 | 0.00 | .45 | 0.00 | -.26 | 0.00 |
| 3RD | 1.43 | 0.00 | 1.24 | 0.00 | 1.23 | 0.00 | .90 | 0.00 | .35 | 0.00 | -.28 | 0.00 |
| 4TH | 1.35 | 0.00 | 1.09 | 0.00 | 1.09 | 0.00 | .79 | 0.00 | .36 | 0.00 | -.19 | 0.00 |
| 5TH | 1.37 | 0.00 | 1.36 | 0.00 | 1.07 | 0.00 | .92 | 0.00 | .54 | 0.00 | .06 | 0.00 |
| 6TH | 1.35 | 0.00 | 1.01 | 0.00 | .87 | 0.00 | .83 | 0.00 | .65 | 0.00 | .20 | 0.00 |
| 7TH | 1.43 | 0.00 | .98 | 0.00 | 1.04 | 0.00 | 1.02 | 0.00 | .85 | 0.00 | .38 | 0.00 |
| 8TH | 1.44 | 0.00 | 1.20 | 0.00 | 1.09 | 0.00 | 1.14 | 0.00 | .94 | 0.00 | .49 | 0.00 |
| 9TH | 1.48 | 0.00 | 1.36 | 0.00 | 1.14 | 0.00 | 1.13 | 0.00 | .91 | 0.00 | .40 | 0.00 |

TABLE 10. ANSI 1972 EQUIVALENT NET COEFFICIENT ON EACH FLOOR : SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C

ANSI 1972 EQUIVALENT NET COEFFICIENT

| FLOOR | WD = 0 | | WD = 15 | | WD = 30 | | WD = 45 | | WD = 60 | | WD = 75 | |
|-------|--------|------|---------|------|---------|------|---------|------|---------|------|---------|------|
| | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y |
| 1ST | -.67 | 0.00 | -.38 | 0.00 | -.11 | 0.00 | -.02 | 0.00 | .13 | 0.00 | .38 | 0.00 |
| 2ND | -.56 | 0.00 | -.28 | 0.00 | -.09 | 0.00 | -.01 | 0.00 | .11 | 0.00 | .32 | 0.00 |
| 3RD | -.41 | 0.00 | -.23 | 0.00 | -.02 | 0.00 | -.07 | 0.00 | .13 | 0.00 | .28 | 0.00 |
| 4TH | -.32 | 0.00 | -.15 | 0.00 | .04 | 0.00 | .13 | 0.00 | .19 | 0.00 | .26 | 0.00 |
| 5TH | -.28 | 0.00 | -.09 | 0.00 | .05 | 0.00 | .17 | 0.00 | .22 | 0.00 | .27 | 0.00 |
| 6TH | -.23 | 0.00 | -.09 | 0.00 | .06 | 0.00 | .17 | 0.00 | .21 | 0.00 | .29 | 0.00 |
| 7TH | -.21 | 0.00 | -.08 | 0.00 | .09 | 0.00 | .18 | 0.00 | .21 | 0.00 | .30 | 0.00 |

TABLE 10. ANSI 1972 EQUIVALENT NET COEFFICIENT ON EACH FLOOR : SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C

| FLOOR | WD = 90 | | WD = 105 | | WD = 120 | | WD = 135 | | WD = 150 | | WD = 165 | |
|-------|---------|------|----------|------|----------|------|----------|------|----------|------|----------|------|
| | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y |
| 1ST | .11 | 0.00 | -.48 | 0.00 | -1.06 | 0.00 | -1.69 | 0.00 | -2.14 | 0.00 | -2.62 | 0.00 |
| 2ND | .12 | 0.00 | -.31 | 0.00 | -.72 | 0.00 | -1.17 | 0.00 | -1.46 | 0.00 | -1.77 | 0.00 |
| 3RD | .14 | 0.00 | -.26 | 0.00 | -.61 | 0.00 | -1.02 | 0.00 | -1.29 | 0.00 | -1.55 | 0.00 |
| 4TH | .15 | 0.00 | -.23 | 0.00 | -.52 | 0.00 | -.90 | 0.00 | -1.14 | 0.00 | -1.40 | 0.00 |
| 5TH | .16 | 0.00 | -.20 | 0.00 | -.45 | 0.00 | -.80 | 0.00 | -1.02 | 0.00 | -1.30 | 0.00 |
| 6TH | .13 | 0.00 | -.19 | 0.00 | -.39 | 0.00 | -.68 | 0.00 | -.92 | 0.00 | -1.16 | 0.00 |
| 7TH | .18 | 0.00 | -.09 | 0.00 | -.18 | 0.00 | -.36 | 0.00 | -.53 | 0.00 | -.70 | 0.00 |

TABLE 10. ANSI 1972 EQUIVALENT NET COEFFICIENT ON EACH FLOOR : SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C

ANSI 1972 EQUIVALENT NET COEFFICIENT

| FLOOR | WD = 180 | | WD = 195 | | WD = 210 | | WD = 225 | | WD = 240 | | WD = 255 | |
|-------|----------|------|----------|------|----------|------|----------|------|----------|------|----------|------|
| | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y |
| 1ST | -3.15 | 0.00 | -3.14 | 0.00 | -1.52 | 0.00 | -.09 | 0.00 | 1.08 | 0.00 | 2.23 | 0.00 |
| 2ND | -2.12 | 0.00 | -2.19 | 0.00 | -1.01 | 0.00 | -.04 | 0.00 | .81 | 0.00 | 1.67 | 0.00 |
| 3RD | -1.90 | 0.00 | -1.97 | 0.00 | -.90 | 0.00 | -.04 | 0.00 | .69 | 0.00 | 1.45 | 0.00 |
| 4TH | -1.71 | 0.00 | -1.74 | 0.00 | -.89 | 0.00 | -.07 | 0.00 | .58 | 0.00 | 1.25 | 0.00 |
| 5TH | -1.55 | 0.00 | -1.59 | 0.00 | -.76 | 0.00 | -.07 | 0.00 | .53 | 0.00 | 1.14 | 0.00 |
| 6TH | -1.41 | 0.00 | -1.44 | 0.00 | -.68 | 0.00 | -.02 | 0.00 | .52 | 0.00 | 1.04 | 0.00 |
| 7TH | -.91 | 0.00 | -.97 | 0.00 | -.33 | 0.00 | .25 | 0.00 | .66 | 0.00 | 1.22 | 0.00 |

TABLE 10. ANSI 1972 EQUIVALENT NET COEFFICIENT ON EACH FLOOR : SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION C

| FLOOR | ANSI 1972 EQUIVALENT NET COEFFICIENT | | | | | | | | | | | |
|-------|--------------------------------------|------|----------|------|----------|------|----------|------|----------|------|----------|------|
| | WD = 270 | | WD = 285 | | WD = 300 | | WD = 315 | | WD = 330 | | WD = 345 | |
| | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y |
| 1ST | 3.14 | 0.00 | 3.12 | 0.00 | 3.08 | 0.00 | 2.68 | 0.00 | 1.39 | 0.00 | -.42 | 0.00 |
| 2ND | 2.35 | 0.00 | 2.27 | 0.00 | 2.21 | 0.00 | 1.90 | 0.00 | .98 | 0.00 | -.31 | 0.00 |
| 3RD | 2.09 | 0.00 | 1.99 | 0.00 | 1.95 | 0.00 | 1.68 | 0.00 | .85 | 0.00 | -.26 | 0.00 |
| 4TH | 1.84 | 0.00 | 1.68 | 0.00 | 1.70 | 0.00 | 1.46 | 0.00 | .74 | 0.00 | -.22 | 0.00 |
| 5TH | 1.65 | 0.00 | 1.54 | 0.00 | 1.52 | 0.00 | 1.32 | 0.00 | .68 | 0.00 | -.20 | 0.00 |
| 6TH | 1.53 | 0.00 | 1.47 | 0.00 | 1.40 | 0.00 | 1.22 | 0.00 | .62 | 0.00 | -.21 | 0.00 |
| 7TH | 1.62 | 0.00 | 1.54 | 0.00 | 1.39 | 0.00 | 1.24 | 0.00 | .61 | 0.00 | -.20 | 0.00 |

TABLE 10. ANSI 1972 EQUIVALENT NET COEFFICIENT ON EACH FLOOR + ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D

ANSI 1972 EQUIVALENT NET COEFFICIENT

| FLOOR | WD = 0 | | WD = 15 | | WD = 30 | | WD = 45 | | WD = 60 | | WD = 75 | |
|-------|--------|------|---------|------|---------|------|---------|------|---------|------|---------|------|
| | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y |
| 1ST | .63 | 0.00 | .68 | 0.00 | .77 | 0.00 | .74 | 0.00 | .63 | 0.00 | .56 | 0.00 |
| 2ND | .67 | 0.00 | .70 | 0.00 | .78 | 0.00 | .73 | 0.00 | .61 | 0.00 | .49 | 0.00 |
| 3RD | .72 | 0.00 | .78 | 0.00 | .79 | 0.00 | .70 | 0.00 | .53 | 0.00 | .39 | 0.00 |
| 4TH | .79 | 0.00 | .81 | 0.00 | .84 | 0.00 | .73 | 0.00 | .57 | 0.00 | .39 | 0.00 |
| 5TH | .96 | 0.00 | .93 | 0.00 | .92 | 0.00 | .83 | 0.00 | .71 | 0.00 | .45 | 0.00 |
| 6TH | 1.00 | 0.00 | .88 | 0.00 | .84 | 0.00 | .81 | 0.00 | .71 | 0.00 | .47 | 0.00 |
| 7TH | 1.10 | 0.00 | .97 | 0.00 | .91 | 0.00 | .89 | 0.00 | .85 | 0.00 | .53 | 0.00 |
| 8TH | 1.36 | 0.00 | 1.23 | 0.00 | 1.14 | 0.00 | 1.13 | 0.00 | 1.06 | 0.00 | .66 | 0.00 |
| 9TH | 1.34 | 0.00 | 1.32 | 0.00 | 1.32 | 0.00 | 1.29 | 0.00 | 1.17 | 0.00 | .72 | 0.00 |

TABLE 10. ANSI 1972 EQUIVALENT NET COEFFICIENT ON EACH FLOOR : ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D

ANSI 1972 EQUIVALENT NET COEFFICIENT

| FLOOR | WD = 90 | | WD = 105 | | WD = 120 | | WD = 135 | | WD = 150 | | WD = 165 | |
|-------|---------|------|----------|------|----------|------|----------|------|----------|------|----------|------|
| | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y |
| 1ST | .37 | 0.00 | .72 | 0.00 | 1.17 | 0.00 | 1.29 | 0.00 | 1.32 | 0.00 | 1.32 | 0.00 |
| 2ND | .33 | 0.00 | .66 | 0.00 | 1.06 | 0.00 | 1.13 | 0.00 | 1.14 | 0.00 | 1.23 | 0.00 |
| 3RD | .29 | 0.00 | .55 | 0.00 | .85 | 0.00 | .89 | 0.00 | .91 | 0.00 | .97 | 0.00 |
| 4TH | .30 | 0.00 | .47 | 0.00 | .71 | 0.00 | .81 | 0.00 | .84 | 0.00 | .88 | 0.00 |
| 5TH | .32 | 0.00 | .45 | 0.00 | .64 | 0.00 | .85 | 0.00 | 1.01 | 0.00 | .97 | 0.00 |
| 6TH | .30 | 0.00 | .39 | 0.00 | .57 | 0.00 | .73 | 0.00 | .84 | 0.00 | .81 | 0.00 |
| 7TH | .29 | 0.00 | .35 | 0.00 | .53 | 0.00 | .70 | 0.00 | .79 | 0.00 | .78 | 0.00 |
| 8TH | .33 | 0.00 | .49 | 0.00 | .61 | 0.00 | .73 | 0.00 | .78 | 0.00 | .70 | 0.00 |
| 9TH | .37 | 0.00 | .56 | 0.00 | .63 | 0.00 | .74 | 0.00 | .77 | 0.00 | .68 | 0.00 |

TABLE 10. ANSI 1972 EQUIVALENT NET COEFFICIENT ON EACH FLOOR : ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D

ANSI 1972 EQUIVALENT NET COEFFICIENT

| FLOOR | WD = 180 | | WD = 195 | | WD = 210 | | WD = 225 | | WD = 240 | | WD = 255 | |
|-------|----------|------|----------|------|----------|------|----------|------|----------|------|----------|------|
| | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y |
| 1ST | 1.34 | 0.00 | 1.18 | 0.00 | .96 | 0.00 | .74 | 0.00 | .49 | 0.00 | .62 | 0.00 |
| 2ND | 1.36 | 0.00 | 1.25 | 0.00 | .99 | 0.00 | .79 | 0.00 | .48 | 0.00 | .48 | 0.00 |
| 3RD | 1.10 | 0.00 | 1.16 | 0.00 | .93 | 0.00 | .71 | 0.00 | .47 | 0.00 | .31 | 0.00 |
| 4TH | 1.00 | 0.00 | .98 | 0.00 | .72 | 0.00 | .49 | 0.00 | .29 | 0.00 | .37 | 0.00 |
| 5TH | 1.01 | 0.00 | .90 | 0.00 | .74 | 0.00 | .59 | 0.00 | .49 | 0.00 | .64 | 0.00 |
| 6TH | .79 | 0.00 | .66 | 0.00 | .55 | 0.00 | .44 | 0.00 | .43 | 0.00 | .48 | 0.00 |
| 7TH | .72 | 0.00 | .60 | 0.00 | .56 | 0.00 | .55 | 0.00 | .54 | 0.00 | .60 | 0.00 |
| 8TH | .67 | 0.00 | .59 | 0.00 | .63 | 0.00 | .67 | 0.00 | .65 | 0.00 | .65 | 0.00 |
| 9TH | .63 | 0.00 | .55 | 0.00 | .65 | 0.00 | .75 | 0.00 | .72 | 0.00 | .69 | 0.00 |

TABLE 10. ANSI 1972 EQUIVALENT NET COEFFICIENT ON EACH FLOOR : ROOF, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D

| FLOOR | WD = 270 | | WD = 285 | | WD = 300 | | WD = 315 | | WD = 330 | | WD = 345 | |
|-------|----------|------|----------|------|----------|------|----------|------|----------|------|----------|------|
| | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y |
| 1ST | .80 | 0.00 | .69 | 0.00 | .72 | 0.00 | .75 | 0.00 | .65 | 0.00 | .55 | 0.00 |
| 2ND | .77 | 0.00 | .65 | 0.00 | .65 | 0.00 | .67 | 0.00 | .63 | 0.00 | .59 | 0.00 |
| 3RD | .75 | 0.00 | .60 | 0.00 | .54 | 0.00 | .55 | 0.00 | .56 | 0.00 | .60 | 0.00 |
| 4TH | .70 | 0.00 | .48 | 0.00 | .43 | 0.00 | .44 | 0.00 | .55 | 0.00 | .66 | 0.00 |
| 5TH | .76 | 0.00 | .69 | 0.00 | .50 | 0.00 | .58 | 0.00 | .66 | 0.00 | .84 | 0.00 |
| 6TH | .70 | 0.00 | .37 | 0.00 | .29 | 0.00 | .49 | 0.00 | .72 | 0.00 | .98 | 0.00 |
| 7TH | .75 | 0.00 | .31 | 0.00 | .47 | 0.00 | .71 | 0.00 | .93 | 0.00 | 1.16 | 0.00 |
| 8TH | .77 | 0.00 | .48 | 0.00 | .48 | 0.00 | .79 | 0.00 | .99 | 0.00 | 1.25 | 0.00 |
| 9TH | .80 | 0.00 | .62 | 0.00 | .49 | 0.00 | .74 | 0.00 | .96 | 0.00 | 1.18 | 0.00 |

TABLE 10. ANSI 1972 EQUIVALENT NET COEFFICIENT ON EACH FLOOR : SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D

| FLOOR | ANSI 1972 EQUIVALENT NET COEFFICIENT | | | | | | | | | | | |
|-------|--------------------------------------|------|---------|------|---------|------|---------|------|---------|------|---------|------|
| | WD = 0 | | WD = 15 | | WD = 30 | | WD = 45 | | WD = 60 | | WD = 75 | |
| | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y |
| 1ST | 1.19 | 0.00 | 1.19 | 0.00 | 1.41 | 0.00 | 1.45 | 0.00 | 1.53 | 0.00 | 1.42 | 0.00 |
| 2ND | .82 | 0.00 | .83 | 0.00 | .99 | 0.00 | 1.03 | 0.00 | 1.12 | 0.00 | 1.04 | 0.00 |
| 3RD | .75 | 0.00 | .78 | 0.00 | .92 | 0.00 | .97 | 0.00 | 1.04 | 0.00 | .93 | 0.00 |
| 4TH | .68 | 0.00 | .71 | 0.00 | .86 | 0.00 | .92 | 0.00 | .97 | 0.00 | .82 | 0.00 |
| 5TH | .62 | 0.00 | .68 | 0.00 | .80 | 0.00 | .86 | 0.00 | .93 | 0.00 | .78 | 0.00 |
| 6TH | .58 | 0.00 | .64 | 0.00 | .76 | 0.00 | .80 | 0.00 | .86 | 0.00 | .77 | 0.00 |
| 7TH | .59 | 0.00 | .65 | 0.00 | .78 | 0.00 | .80 | 0.00 | .85 | 0.00 | .76 | 0.00 |

TABLE 10. ANSI 1972 EQUIVALENT NET COEFFICIENT ON EACH FLOOR : SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D

| FLOOR | WD = 90 | | WD = 105 | | WD = 120 | | WD = 135 | | WD = 150 | | WD = 165 | |
|-------|---------|------|----------|------|----------|------|----------|------|----------|------|----------|------|
| | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y |
| 1ST | .63 | 0.00 | .44 | 0.00 | .21 | 0.00 | -.30 | 0.00 | -.82 | 0.00 | -1.17 | 0.00 |
| 2ND | .49 | 0.00 | .34 | 0.00 | .19 | 0.00 | -.18 | 0.00 | -.52 | 0.00 | -.76 | 0.00 |
| 3RD | .48 | 0.00 | .30 | 0.00 | .17 | 0.00 | -.14 | 0.00 | -.47 | 0.00 | -.68 | 0.00 |
| 4TH | .46 | 0.00 | .23 | 0.00 | .14 | 0.00 | -.14 | 0.00 | -.48 | 0.00 | -.66 | 0.00 |
| 5TH | .43 | 0.00 | .24 | 0.00 | .17 | 0.00 | -.10 | 0.00 | -.42 | 0.00 | -.59 | 0.00 |
| 6TH | .38 | 0.00 | .23 | 0.00 | .18 | 0.00 | -.06 | 0.00 | -.33 | 0.00 | -.50 | 0.00 |
| 7TH | .42 | 0.00 | .34 | 0.00 | .40 | 0.00 | .28 | 0.00 | .10 | 0.00 | -.02 | 0.00 |

TABLE 10. ANSI 1972 EQUIVALENT NET COEFFICIENT ON EACH FLOOR : SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D

| FLOOR | WD = 180 | | WD = 195 | | WD = 210 | | WD = 225 | | WD = 240 | | WD = 255 | |
|-------|----------|------|----------|------|----------|------|----------|------|----------|------|----------|------|
| | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y |
| 1ST | -1.24 | 0.00 | -1.26 | 0.00 | -1.24 | 0.00 | -.89 | 0.00 | -.27 | 0.00 | .70 | 0.00 |
| 2ND | -.81 | 0.00 | -.82 | 0.00 | -.86 | 0.00 | -.63 | 0.00 | -.16 | 0.00 | .56 | 0.00 |
| 3RD | -.74 | 0.00 | -.73 | 0.00 | -.76 | 0.00 | -.58 | 0.00 | -.14 | 0.00 | .51 | 0.00 |
| 4TH | -.73 | 0.00 | -.73 | 0.00 | -.71 | 0.00 | -.53 | 0.00 | -.13 | 0.00 | .45 | 0.00 |
| 5TH | -.66 | 0.00 | -.68 | 0.00 | -.64 | 0.00 | -.46 | 0.00 | -.10 | 0.00 | .40 | 0.00 |
| 6TH | -.56 | 0.00 | -.56 | 0.00 | -.54 | 0.00 | -.40 | 0.00 | -.07 | 0.00 | .34 | 0.00 |
| 7TH | -.06 | 0.00 | -.10 | 0.00 | -.17 | 0.00 | -.12 | 0.00 | .08 | 0.00 | .53 | 0.00 |

TABLE 10. ANSI 1972 EQUIVALENT NET COEFFICIENT ON EACH FLOOR : SOUTH SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D

| FLOOR | WD = 270 | | WD = 285 | | WD = 300 | | WD = 315 | | WD = 330 | | WD = 345 | |
|-------|----------|------|----------|------|----------|------|----------|------|----------|------|----------|------|
| | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y |
| 1ST | 1.58 | 0.00 | 1.57 | 0.00 | 1.69 | 0.00 | 1.87 | 0.00 | 1.62 | 0.00 | 1.32 | 0.00 |
| 2ND | 1.21 | 0.00 | 1.14 | 0.00 | 1.22 | 0.00 | 1.34 | 0.00 | 1.17 | 0.00 | .94 | 0.00 |
| 3RD | 1.08 | 0.00 | 1.00 | 0.00 | 1.08 | 0.00 | 1.17 | 0.00 | 1.04 | 0.00 | .84 | 0.00 |
| 4TH | .96 | 0.00 | .84 | 0.00 | .93 | 0.00 | 1.01 | 0.00 | .90 | 0.00 | .74 | 0.00 |
| 5TH | .85 | 0.00 | .77 | 0.00 | .83 | 0.00 | .92 | 0.00 | .79 | 0.00 | .66 | 0.00 |
| 6TH | .79 | 0.00 | .74 | 0.00 | .77 | 0.00 | .86 | 0.00 | .73 | 0.00 | .60 | 0.00 |
| 7TH | .87 | 0.00 | .79 | 0.00 | .79 | 0.00 | .86 | 0.00 | .74 | 0.00 | .62 | 0.00 |

477

TABLE 10. ANSI 1972 EQUIVALENT NET COEFFICIENT ON EACH FLOOR : WEST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D

ANSI 1972 EQUIVALENT NET COEFFICIENT

| FLOOR | WD = 0 | | WD = 15 | | WD = 30 | | WD = 45 | | WD = 60 | | WD = 75 | |
|-------|--------|------|---------|------|---------|------|---------|------|---------|------|---------|------|
| | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y |
| 1ST | 1.93 | 0.00 | 1.62 | 0.00 | 1.50 | 0.00 | 1.42 | 0.00 | 1.29 | 0.00 | .96 | 0.00 |
| 2ND | 1.99 | 0.00 | 1.62 | 0.00 | 1.52 | 0.00 | 1.37 | 0.00 | 1.28 | 0.00 | .96 | 0.00 |
| 3RD | 1.26 | 0.00 | 1.03 | 0.00 | .94 | 0.00 | .88 | 0.00 | .82 | 0.00 | .60 | 0.00 |
| 4TH | 1.13 | 0.00 | .87 | 0.00 | .83 | 0.00 | .77 | 0.00 | .74 | 0.00 | .55 | 0.00 |
| 5TH | 1.07 | 0.00 | .78 | 0.00 | .74 | 0.00 | .69 | 0.00 | .67 | 0.00 | .50 | 0.00 |
| 6TH | 1.02 | 0.00 | .77 | 0.00 | .73 | 0.00 | .69 | 0.00 | .64 | 0.00 | .48 | 0.00 |
| 7TH | 1.00 | 0.00 | .76 | 0.00 | .71 | 0.00 | .67 | 0.00 | .62 | 0.00 | .47 | 0.00 |
| 8TH | .97 | 0.00 | .77 | 0.00 | .70 | 0.00 | .65 | 0.00 | .59 | 0.00 | .44 | 0.00 |

TABLE 10. ANSI 1972 EQUIVALENT NET COEFFICIENT ON EACH FLOOR : WEST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D

ANSI 1972 EQUIVALENT NET COEFFICIENT

| FLOOR | WD = 90 | | WD = 105 | | WD = 120 | | WD = 135 | | WD = 150 | | WD = 165 | |
|-------|---------|------|----------|------|----------|------|----------|------|----------|------|----------|------|
| | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y |
| 1ST | .51 | 0.00 | .95 | 0.00 | 1.27 | 0.00 | 1.42 | 0.00 | 1.49 | 0.00 | 1.62 | 0.00 |
| 2ND | .51 | 0.00 | .95 | 0.00 | 1.26 | 0.00 | 1.36 | 0.00 | 1.52 | 0.00 | 1.63 | 0.00 |
| 3RD | .33 | 0.00 | .59 | 0.00 | .81 | 0.00 | .88 | 0.00 | .94 | 0.00 | 1.03 | 0.00 |
| 4TH | .34 | 0.00 | .54 | 0.00 | .74 | 0.00 | .78 | 0.00 | .82 | 0.00 | .88 | 0.00 |
| 5TH | .32 | 0.00 | .49 | 0.00 | .67 | 0.00 | .69 | 0.00 | .73 | 0.00 | .79 | 0.00 |
| 6TH | .36 | 0.00 | .48 | 0.00 | .64 | 0.00 | .68 | 0.00 | .73 | 0.00 | .76 | 0.00 |
| 7TH | .35 | 0.00 | .47 | 0.00 | .62 | 0.00 | .67 | 0.00 | .71 | 0.00 | .76 | 0.00 |
| 8TH | .33 | 0.00 | .44 | 0.00 | .59 | 0.00 | .66 | 0.00 | .70 | 0.00 | .76 | 0.00 |

TABLE 10. ANSI 1972 EQUIVALENT NET COEFFICIENT ON EACH FLOOR : WEST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D

| FLOOR | WD = 180 | | WD = 195 | | WD = 210 | | WD = 225 | | WD = 240 | | WD = 255 | |
|-------|----------|------|----------|------|----------|------|----------|------|----------|------|----------|------|
| | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y |
| 1ST | 1.97 | 0.00 | 1.52 | 0.00 | .43 | 0.00 | -.36 | 0.00 | -.82 | 0.00 | -1.02 | 0.00 |
| 2ND | 2.02 | 0.00 | 1.55 | 0.00 | .50 | 0.00 | -.29 | 0.00 | -.73 | 0.00 | -.97 | 0.00 |
| 3RD | 1.27 | 0.00 | 1.03 | 0.00 | .36 | 0.00 | -.18 | 0.00 | -.48 | 0.00 | -.64 | 0.00 |
| 4TH | 1.12 | 0.00 | .94 | 0.00 | .27 | 0.00 | -.20 | 0.00 | -.48 | 0.00 | -.62 | 0.00 |
| 5TH | 1.06 | 0.00 | .86 | 0.00 | .26 | 0.00 | -.21 | 0.00 | -.47 | 0.00 | -.61 | 0.00 |
| 6TH | 1.02 | 0.00 | .73 | 0.00 | .20 | 0.00 | -.20 | 0.00 | -.46 | 0.00 | -.60 | 0.00 |
| 7TH | 1.00 | 0.00 | .63 | 0.00 | .19 | 0.00 | -.16 | 0.00 | -.40 | 0.00 | -.55 | 0.00 |
| 8TH | .98 | 0.00 | .58 | 0.00 | .37 | 0.00 | .18 | 0.00 | -.01 | 0.00 | -.19 | 0.00 |

TABLE 10. ANSI 1972 EQUIVALENT NET COEFFICIENT ON EACH FLOOR : WEST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D

| FLOOR | ANSI 1972 EQUIVALENT NET COEFFICIENT | | | | | | | | | | | |
|-------|--------------------------------------|------|----------|------|----------|------|----------|------|----------|------|----------|------|
| | WD = 270 | | WD = 285 | | WD = 300 | | WD = 315 | | WD = 330 | | WD = 345 | |
| | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y |
| 1ST | -1.02 | 0.00 | -1.03 | 0.00 | -.94 | 0.00 | -.36 | 0.00 | .44 | 0.00 | 1.53 | 0.00 |
| 2ND | -.98 | 0.00 | -1.00 | 0.00 | -.72 | 0.00 | -.30 | 0.00 | .48 | 0.00 | 1.52 | 0.00 |
| 3RD | -.64 | 0.00 | -.65 | 0.00 | -.48 | 0.00 | -.19 | 0.00 | .33 | 0.00 | 1.02 | 0.00 |
| 4TH | -.64 | 0.00 | -.62 | 0.00 | -.48 | 0.00 | -.21 | 0.00 | .26 | 0.00 | .92 | 0.00 |
| 5TH | -.62 | 0.00 | -.61 | 0.00 | -.46 | 0.00 | -.21 | 0.00 | .25 | 0.00 | .87 | 0.00 |
| 6TH | -.63 | 0.00 | -.61 | 0.00 | -.46 | 0.00 | -.21 | 0.00 | .20 | 0.00 | .71 | 0.00 |
| 7TH | -.59 | 0.00 | -.55 | 0.00 | -.40 | 0.00 | -.16 | 0.00 | .19 | 0.00 | .63 | 0.00 |
| 8TH | -.29 | 0.00 | -.19 | 0.00 | -.01 | 0.00 | .18 | 0.00 | .36 | 0.00 | .58 | 0.00 |

TABLE 10. ANSI 1972 EQUIVALENT NET COEFFICIENT ON EACH FLOOR : EAST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D

ANSI 1972 EQUIVALENT NET COEFFICIENT

| FLOOR | WD = 0 | | WD = 15 | | WD = 30 | | WD = 45 | | WD = 60 | | WD = 75 | |
|-------|--------|------|---------|------|---------|------|---------|------|---------|------|---------|------|
| | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y |
| 1ST | .02 | 0.00 | -.07 | 0.00 | .04 | 0.00 | .17 | 0.00 | .33 | 0.00 | .73 | 0.00 |
| 2ND | .03 | 0.00 | -.00 | 0.00 | .06 | 0.00 | .14 | 0.00 | .23 | 0.00 | .59 | 0.00 |
| 3RD | .02 | 0.00 | .00 | 0.00 | .06 | 0.00 | .12 | 0.00 | .19 | 0.00 | .53 | 0.00 |
| 4TH | -.02 | 0.00 | -.05 | 0.00 | .02 | 0.00 | .06 | 0.00 | .14 | 0.00 | .48 | 0.00 |
| 5TH | -.03 | 0.00 | -.06 | 0.00 | -.01 | 0.00 | .06 | 0.00 | .12 | 0.00 | .42 | 0.00 |
| 6TH | -.03 | 0.00 | -.06 | 0.00 | .01 | 0.00 | .06 | 0.00 | .14 | 0.00 | .40 | 0.00 |
| 7TH | -.63 | 0.00 | -.60 | 0.00 | -.40 | 0.00 | -.16 | 0.00 | .10 | 0.00 | .26 | 0.00 |
| 8TH | -.66 | 0.00 | -.63 | 0.00 | -.43 | 0.00 | -.19 | 0.00 | .08 | 0.00 | .23 | 0.00 |

TABLE 10. ANSI 1972 EQUIVALENT NET COEFFICIENT ON EACH FLOOR : EAST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D

ANSI 1972 EQUIVALENT NET COEFFICIENT

| FLOOR | WD = 90 | | WD = 105 | | WD = 120 | | WD = 135 | | WD = 150 | | WD = 165 | |
|-------|---------|------|----------|------|----------|------|----------|------|----------|------|----------|------|
| | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y |
| 1ST | 1.27 | 0.00 | .73 | 0.00 | .33 | 0.00 | .17 | 0.00 | .04 | 0.00 | -.07 | 0.00 |
| 2ND | 1.18 | 0.00 | .59 | 0.00 | .23 | 0.00 | .14 | 0.00 | .06 | 0.00 | -.00 | 0.00 |
| 3RD | 1.27 | 0.00 | .53 | 0.00 | .19 | 0.00 | .12 | 0.00 | .06 | 0.00 | .00 | 0.00 |
| 4TH | 1.12 | 0.00 | .48 | 0.00 | .14 | 0.00 | .07 | 0.00 | .02 | 0.00 | -.05 | 0.00 |
| 5TH | .99 | 0.00 | .43 | 0.00 | .12 | 0.00 | .06 | 0.00 | -.01 | 0.00 | -.06 | 0.00 |
| 6TH | .96 | 0.00 | .40 | 0.00 | .14 | 0.00 | .06 | 0.00 | .01 | 0.00 | -.06 | 0.00 |
| 7TH | .96 | 0.00 | .84 | 0.00 | .79 | 0.00 | .76 | 0.00 | .75 | 0.00 | .64 | 0.00 |
| 8TH | .93 | 0.00 | .84 | 0.00 | .80 | 0.00 | .78 | 0.00 | .77 | 0.00 | .66 | 0.00 |

TABLE 10. ANSI 1972 EQUIVALENT NET COEFFICIENT ON EACH FLOOR : EAST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D

| FLOOR | ANSI 1972 EQUIVALENT NET COEFFICIENT | | | | | | | | | | | |
|-------|--------------------------------------|------|----------|------|----------|------|----------|------|----------|------|----------|------|
| | WD = 180 | | WD = 195 | | WD = 210 | | WD = 225 | | WD = 240 | | WD = 255 | |
| | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y |
| 1ST | .02 | 0.00 | .10 | 0.00 | .43 | 0.00 | .86 | 0.00 | 1.10 | 0.00 | 1.09 | 0.00 |
| 2ND | .03 | 0.00 | .08 | 0.00 | .32 | 0.00 | .64 | 0.00 | .79 | 0.00 | .80 | 0.00 |
| 3RD | .02 | 0.00 | .09 | 0.00 | .29 | 0.00 | .56 | 0.00 | .70 | 0.00 | .70 | 0.00 |
| 4TH | -.02 | 0.00 | .08 | 0.00 | .30 | 0.00 | .50 | 0.00 | .63 | 0.00 | .63 | 0.00 |
| 5TH | -.03 | 0.00 | .08 | 0.00 | .26 | 0.00 | .44 | 0.00 | .57 | 0.00 | .57 | 0.00 |
| 6TH | -.03 | 0.00 | .03 | 0.00 | .24 | 0.00 | .43 | 0.00 | .59 | 0.00 | .61 | 0.00 |
| 7TH | .59 | 0.00 | .61 | 0.00 | .72 | 0.00 | .81 | 0.00 | .80 | 0.00 | .68 | 0.00 |
| 8TH | .62 | 0.00 | .63 | 0.00 | .73 | 0.00 | .81 | 0.00 | .78 | 0.00 | .66 | 0.00 |

TABLE 10. ANSI 1972 EQUIVALENT NET COEFFICIENT ON EACH FLOOR : EAST SIDE, SHUTTLE ASSEMBLY BUILDING, CONFIGURATION D

| FLOOR | WD = 270 | | WD = 285 | | WD = 300 | | WD = 315 | | WD = 330 | | WD = 345 | |
|-------|----------|------|----------|------|----------|------|----------|------|----------|------|----------|------|
| | X | Y | X | Y | X | Y | X | Y | X | Y | X | Y |
| 1ST | .91 | 0.00 | 1.09 | 0.00 | 1.10 | 0.00 | .86 | 0.00 | .46 | 0.00 | .10 | 0.00 |
| 2ND | .70 | 0.00 | .80 | 0.00 | .79 | 0.00 | .64 | 0.00 | .32 | 0.00 | .08 | 0.00 |
| 3RD | .63 | 0.00 | .70 | 0.00 | .70 | 0.00 | .56 | 0.00 | .29 | 0.00 | .09 | 0.00 |
| 4TH | .56 | 0.00 | .63 | 0.00 | .63 | 0.00 | .50 | 0.00 | .30 | 0.00 | .08 | 0.00 |
| 5TH | .55 | 0.00 | .57 | 0.00 | .57 | 0.00 | .44 | 0.00 | .26 | 0.00 | .08 | 0.00 |
| 6TH | .54 | 0.00 | .61 | 0.00 | .59 | 0.00 | .43 | 0.00 | .24 | 0.00 | .05 | 0.00 |
| 7TH | .58 | 0.00 | .75 | 0.00 | .63 | 0.00 | .28 | 0.00 | -.14 | 0.00 | -.50 | 0.00 |
| 8TH | .56 | 0.00 | .73 | 0.00 | .60 | 0.00 | .25 | 0.00 | -.16 | 0.00 | -.53 | 0.00 |

APPENDIX A
PRESSURE DATA

Note: Pressure coefficients are defined in Section 4.3.
Pressure tap designation is explained in Figure 3.

| MD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | MD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | MD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN |
|----|-----|--------|-------|-------|--------|----|-----|--------|-------|-------|--------|----|-----|--------|-------|-------|--------|
| 0 | 101 | -.986 | .204 | -.293 | -1.777 | 0 | 227 | -.426 | .205 | .136 | -1.220 | 0 | 304 | -.756 | .172 | -.154 | -1.298 |
| 0 | 102 | -1.017 | .198 | -.320 | -1.675 | 0 | 228 | -.463 | .264 | .325 | -2.041 | 0 | 305 | -.839 | .179 | -.271 | -1.473 |
| 0 | 103 | -1.012 | .224 | -.129 | -2.005 | 0 | 229 | -.519 | .244 | .200 | -1.945 | 0 | 306 | -.713 | .145 | -.199 | -1.274 |
| 0 | 104 | -.823 | .244 | .000 | -2.012 | 0 | 230 | -.445 | .203 | .149 | -1.717 | 0 | 307 | -.748 | .148 | -.260 | -1.314 |
| 0 | 105 | -.685 | .257 | .100 | -1.863 | 0 | 231 | -.417 | .180 | .092 | -1.171 | 0 | 308 | -.690 | .149 | -.250 | -1.256 |
| 0 | 106 | -.991 | .179 | .452 | -1.701 | 0 | 232 | -.395 | .156 | .120 | -.928 | 0 | 309 | -.736 | .159 | -.198 | -1.309 |
| 0 | 107 | -.969 | .186 | .246 | -1.713 | 0 | 233 | -.428 | .143 | .021 | -.906 | 0 | 310 | -.704 | .142 | -.237 | -1.167 |
| 0 | 108 | -.969 | .207 | .074 | -1.636 | 0 | 234 | -.428 | .157 | .050 | -1.131 | 0 | 311 | -.775 | .166 | -.270 | -1.375 |
| 0 | 109 | -.932 | .230 | .187 | -1.533 | 0 | 235 | -.431 | .174 | .109 | -1.023 | 0 | 312 | -.893 | .151 | -.204 | -1.178 |
| 0 | 110 | -.822 | .245 | .129 | -1.585 | 0 | 236 | -.433 | .213 | .295 | -1.485 | 0 | 313 | -.757 | .163 | -.224 | -1.459 |
| 0 | 111 | -1.002 | .206 | .378 | -1.870 | 0 | 237 | -.530 | .237 | .280 | -1.990 | 0 | 314 | -.706 | .169 | -.206 | -1.425 |
| 0 | 112 | -.989 | .210 | .346 | -1.921 | 0 | 238 | -.510 | .235 | .446 | -1.205 | 0 | 401 | -1.090 | .342 | -.246 | -2.393 |
| 0 | 113 | -.955 | .212 | .260 | -1.919 | 0 | 239 | -.449 | .198 | .244 | -1.211 | 0 | 402 | -.826 | .232 | -.025 | -1.768 |
| 0 | 114 | -.864 | .218 | .122 | -2.067 | 0 | 240 | -.416 | .159 | .156 | -1.052 | 0 | 403 | -.985 | .202 | -.331 | -1.601 |
| 0 | 115 | -.809 | .200 | .224 | -1.570 | 0 | 241 | -.358 | .151 | .205 | -.939 | 0 | 404 | -.985 | .228 | -.222 | -2.167 |
| 0 | 116 | -.856 | .177 | .193 | -1.556 | 0 | 242 | -.395 | .150 | .131 | -.888 | 0 | 405 | -.880 | .231 | -.199 | -1.772 |
| 0 | 120 | -.768 | .167 | .151 | -1.395 | 0 | 243 | -.395 | .155 | .149 | -.948 | 0 | 501 | -.704 | .276 | -.119 | -3.639 |
| 0 | 121 | -.787 | .184 | .253 | -1.488 | 0 | 244 | -.402 | .175 | .160 | -1.076 | 0 | 502 | -.766 | .239 | -.166 | -2.384 |
| 0 | 125 | -.789 | .168 | .271 | -1.402 | 0 | 245 | -.428 | .198 | .141 | -1.292 | 0 | 503 | -1.051 | .383 | -.124 | -2.438 |
| 0 | 126 | -.808 | .166 | .328 | -1.433 | 0 | 246 | -.428 | .204 | .125 | -1.216 | 0 | 504 | -1.735 | .412 | -.095 | -3.387 |
| 0 | 130 | -.768 | .158 | .302 | -1.752 | 0 | 247 | -.525 | .240 | .196 | -1.528 | 0 | 505 | -.682 | .245 | -.182 | -1.996 |
| 0 | 131 | -.783 | .181 | .238 | -1.541 | 0 | 248 | -.433 | .203 | .335 | -1.120 | 0 | 506 | -.842 | .234 | -.085 | -2.173 |
| 0 | 135 | -.743 | .188 | .173 | -2.147 | 0 | 249 | -.393 | .203 | .309 | -1.699 | 0 | 507 | -.910 | .231 | -.198 | -2.089 |
| 0 | 136 | -.784 | .202 | .149 | -1.570 | 0 | 250 | -.331 | .157 | .202 | -.864 | 0 | 508 | -.997 | .256 | -.102 | -2.517 |
| 0 | 201 | -.399 | .209 | .225 | -1.073 | 0 | 251 | -.322 | .152 | .424 | -.811 | 0 | 909 | -.971 | .224 | -.103 | -2.021 |
| 0 | 202 | -.382 | .179 | .125 | -2.699 | 0 | 252 | -.334 | .157 | .204 | -.797 | 0 | 901 | -1.331 | .254 | -.563 | -2.726 |
| 0 | 203 | -.440 | .198 | .140 | -1.376 | 0 | 253 | -.344 | .188 | .240 | -1.040 | 0 | 902 | -1.150 | .226 | -.504 | -1.996 |
| 0 | 204 | -.484 | .205 | .093 | -1.354 | 0 | 254 | -.333 | .177 | .232 | -1.131 | 0 | 903 | -1.179 | .281 | -.133 | -2.098 |
| 0 | 205 | -.445 | .195 | .144 | -1.149 | 0 | 255 | -.330 | .195 | .238 | -1.013 | 0 | 904 | -.980 | .169 | -.439 | -1.646 |
| 0 | 206 | -.431 | .202 | .258 | -1.196 | 0 | 256 | -.423 | .213 | .216 | -1.058 | 0 | 905 | -.916 | .192 | -.320 | -1.557 |
| 0 | 207 | -.448 | .200 | .131 | -1.258 | 0 | 257 | -.370 | .194 | .264 | -1.018 | 0 | 906 | -.919 | .181 | -.364 | -1.506 |
| 0 | 208 | -.421 | .188 | .144 | -1.207 | 0 | 258 | -.344 | .184 | .346 | -.983 | 0 | 907 | -.929 | .208 | -.140 | -1.759 |
| 0 | 209 | -.416 | .205 | .292 | -1.856 | 0 | 259 | -.309 | .148 | .183 | -.857 | 0 | 908 | -.865 | .206 | -.178 | -1.602 |
| 0 | 210 | -.377 | .169 | .238 | -1.886 | 0 | 260 | -.288 | .141 | .191 | -.775 | 0 | 909 | -.577 | .231 | -.233 | -1.559 |
| 0 | 211 | -.394 | .170 | .149 | -1.124 | 0 | 261 | -.275 | .152 | .185 | -.786 | 0 | 910 | -1.301 | .246 | -.348 | -2.382 |
| 0 | 212 | -.420 | .160 | .096 | -1.024 | 0 | 262 | -.338 | .216 | .231 | -1.403 | 0 | 911 | -1.250 | .224 | -.349 | -1.964 |
| 0 | 213 | -.429 | .189 | .256 | -1.363 | 0 | 263 | -.333 | .177 | .233 | -.947 | 0 | 912 | -1.168 | .212 | -.352 | -2.043 |
| 0 | 214 | -.379 | .180 | .160 | -1.044 | 0 | 264 | -.315 | .189 | .281 | -1.115 | 0 | 913 | -.974 | .202 | -.361 | -1.832 |
| 0 | 215 | -.404 | .163 | .160 | -1.951 | 0 | 265 | -.358 | .220 | .323 | -1.069 | 0 | 914 | -.978 | .180 | -.368 | -1.805 |
| 0 | 216 | -.400 | .155 | .160 | -1.984 | 0 | 266 | -.353 | .178 | .325 | -.921 | 0 | 915 | -.955 | .182 | -.319 | -1.777 |
| 0 | 217 | -.411 | .176 | .125 | -1.995 | 0 | 267 | -.341 | .167 | .236 | -1.147 | 0 | 916 | -.878 | .179 | -.343 | -1.543 |
| 0 | 218 | -.408 | .197 | .325 | -1.066 | 0 | 268 | -.290 | .151 | .200 | -.835 | 0 | 917 | -.938 | .195 | -.249 | -1.591 |
| 0 | 219 | -.422 | .201 | .261 | -1.283 | 0 | 269 | -.285 | .152 | .227 | -.727 | 0 | 918 | -1.053 | .237 | -.293 | -1.854 |
| 0 | 220 | -.402 | .175 | .294 | -1.151 | 0 | 270 | -.304 | .136 | .121 | -.729 | 0 | 919 | -.900 | .211 | -.257 | -1.741 |
| 0 | 221 | -.423 | .209 | .240 | -1.261 | 0 | 271 | -.320 | .192 | .320 | -1.438 | 0 | 920 | -.002 | .256 | -.045 | -2.236 |
| 0 | 222 | -.411 | .176 | .094 | -1.470 | 0 | 272 | -.329 | .192 | .180 | -1.343 | 0 | 921 | -1.012 | .214 | -.363 | -1.920 |
| 0 | 223 | -.385 | .165 | .182 | -1.985 | 0 | 273 | -.310 | .197 | .301 | -1.167 | 0 | 922 | -1.095 | .222 | -.391 | -2.058 |
| 0 | 224 | -.398 | .157 | .090 | -1.073 | 0 | 301 | -.779 | .187 | -.197 | -1.481 | 0 | 923 | -.959 | .173 | -.259 | -1.633 |
| 0 | 225 | -.414 | .159 | .129 | -1.925 | 0 | 302 | -.746 | .162 | -.166 | -1.439 | 0 | 924 | -1.036 | .219 | -.363 | -2.163 |
| 0 | 226 | -.416 | .190 | .200 | -1.396 | 0 | 303 | -.864 | .159 | -.251 | -1.680 | 0 | 925 | -.984 | .201 | -.231 | -1.980 |

| WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | |
|----|------|--------|-------|-------|--------|------|-----|--------|-------|-------|-------|--------|-----|--------|-------|-------|-------|--------|
| 0 | 926 | -1.038 | .265 | -.350 | -.2 | 064 | 0 | 1245 | -.771 | .194 | -.176 | -1.412 | 0 | 1941 | -.696 | .156 | -.158 | -1.292 |
| 0 | 927 | -.994 | .246 | -.163 | -1.755 | .757 | 0 | 1248 | -.756 | .182 | -.172 | -1.414 | 0 | 1942 | -.760 | .146 | -.319 | -1.201 |
| 0 | 928 | -.976 | .231 | -.213 | -2.264 | .644 | 0 | 1249 | -.766 | .173 | -.199 | -1.563 | 0 | 1943 | -.749 | .143 | -.321 | -1.214 |
| 0 | 929 | -.861 | .231 | -.044 | -1.803 | .535 | 0 | 1250 | -.725 | .164 | -.154 | -1.309 | 0 | 1944 | -.725 | .163 | -.206 | -1.236 |
| 0 | 930 | -.925 | .233 | -.048 | -1.753 | .535 | 0 | 1251 | -.729 | .170 | -.181 | -1.298 | 0 | 1945 | -.759 | .139 | -.239 | -1.236 |
| 0 | 931 | -.937 | .232 | -.244 | -1.803 | .535 | 0 | 1252 | -.752 | .163 | -.199 | -1.334 | 0 | 1946 | -.809 | .160 | -.288 | -1.386 |
| 0 | 932 | -.970 | .228 | -.246 | -2.052 | .689 | 0 | 1253 | -.738 | .176 | -.199 | -1.376 | 13 | 101 | -.691 | .153 | -.121 | -1.332 |
| 0 | 933 | -.989 | .195 | -.350 | -1.1 | .688 | 0 | 1254 | -.749 | .198 | -.192 | -1.579 | 13 | 102 | -.715 | .157 | -.201 | -1.247 |
| 0 | 934 | -.984 | .228 | -.284 | -1.1 | .733 | 0 | 1255 | -.711 | .186 | -.176 | -1.686 | 13 | 103 | -.722 | .166 | -.013 | -1.505 |
| 0 | 935 | -.971 | .231 | -.237 | -1.1 | .899 | 0 | 1256 | -.733 | .164 | -.203 | -1.492 | 13 | 104 | -.692 | .189 | -.121 | -1.957 |
| 0 | 936 | -.940 | .234 | -.127 | -1.1 | .668 | 0 | 1257 | -.689 | .132 | -.230 | -1.218 | 13 | 105 | -.725 | .216 | -.038 | -1.760 |
| 0 | 937 | -.890 | .258 | -.072 | -2.000 | .002 | 0 | 1258 | -.696 | .163 | -.125 | -1.217 | 13 | 106 | -.666 | .149 | -.022 | -1.208 |
| 0 | 938 | -.689 | .242 | -.097 | -1.1 | .737 | 0 | 1259 | -.685 | .141 | -.215 | -1.278 | 13 | 107 | -.669 | .144 | -.226 | -1.170 |
| 0 | 939 | -.686 | .228 | -.307 | -1.1 | .620 | 0 | 1260 | -.691 | .173 | -.112 | -1.441 | 13 | 108 | -.687 | .154 | -.144 | -1.157 |
| 0 | 940 | -.814 | .236 | -.107 | -1.1 | .908 | 0 | 1261 | -.716 | .180 | -.179 | -1.503 | 13 | 109 | -.682 | .152 | -.142 | -1.275 |
| 0 | 941 | -.837 | .239 | -.060 | -1.1 | .848 | 0 | 1262 | -.702 | .179 | -.183 | -1.314 | 13 | 110 | -.651 | .156 | -.162 | -1.217 |
| 0 | 942 | -.812 | .237 | -.008 | -1.1 | .844 | 0 | 1263 | -.699 | .133 | -.228 | -1.235 | 13 | 111 | -.686 | .172 | -.179 | -1.406 |
| 0 | 943 | -.811 | .243 | -.013 | -1.1 | .570 | 0 | 1264 | -.667 | .130 | -.170 | -1.215 | 13 | 112 | -.714 | .162 | -.233 | -1.351 |
| 0 | 944 | -.813 | .272 | -.122 | -1.1 | .336 | 0 | 1265 | -.700 | .161 | -.192 | -1.228 | 13 | 113 | -.716 | .190 | -.183 | -2.079 |
| 0 | 945 | -.813 | .242 | -.294 | -2.0 | .924 | 0 | 1266 | -.688 | .160 | -.145 | -1.228 | 13 | 114 | -.682 | .160 | -.223 | -1.305 |
| 0 | 946 | -.715 | .260 | -.191 | -2.0 | .722 | 0 | 1267 | -.716 | .186 | -.217 | -1.555 | 13 | 115 | -.668 | .155 | -.045 | -1.128 |
| 0 | 1107 | -.723 | .137 | -.203 | -1.1 | .259 | 0 | 1268 | -.719 | .194 | -.181 | -1.474 | 13 | 116 | -.605 | .140 | -.005 | -1.090 |
| 0 | 1108 | -.726 | .153 | -.130 | -1.1 | .232 | 0 | 1300 | -.742 | .143 | -.237 | -1.249 | 13 | 120 | -.542 | .153 | -.035 | -1.087 |
| 0 | 1109 | -.758 | .147 | -.248 | -1.1 | .180 | 0 | 1301 | -.744 | .132 | -.270 | -1.330 | 13 | 121 | -.588 | .140 | -.055 | -1.047 |
| 0 | 1110 | -.757 | .161 | -.321 | -1.1 | .430 | 0 | 1302 | -.693 | .139 | -.188 | -1.134 | 13 | 125 | -.538 | .144 | -.008 | -1.015 |
| 0 | 1111 | -.740 | .150 | -.226 | -1.1 | .334 | 0 | 1303 | -.700 | .131 | -.187 | -1.209 | 13 | 126 | -.600 | .155 | -.030 | -1.195 |
| 0 | 1116 | -.758 | .150 | -.332 | -1.1 | .281 | 0 | 1311 | -.667 | .130 | -.190 | -1.172 | 13 | 130 | -.563 | .154 | -.062 | -1.108 |
| 0 | 1121 | -.696 | .155 | -.129 | -1.1 | .232 | 0 | 1312 | -.745 | .147 | -.208 | -1.419 | 13 | 131 | -.590 | .147 | -.035 | -1.092 |
| 0 | 1126 | -.736 | .148 | -.333 | -1.1 | .269 | 0 | 1313 | -.633 | .132 | -.139 | -1.151 | 13 | 135 | -.582 | .152 | -.067 | -1.080 |
| 0 | 1136 | -.738 | .176 | -.221 | -1.1 | .222 | 0 | 1314 | -.729 | .142 | -.194 | -1.236 | 13 | 136 | -.575 | .159 | -.084 | -1.107 |
| 0 | 1221 | -.735 | .188 | -.119 | -1.1 | .335 | 0 | 1315 | -.684 | .143 | -.228 | -1.290 | 13 | 201 | -.551 | .177 | -.038 | -1.241 |
| 0 | 1222 | -.733 | .170 | -.130 | -1.1 | .334 | 0 | 1316 | -.730 | .132 | -.232 | -1.220 | 13 | 202 | -.530 | .174 | -.022 | -1.437 |
| 0 | 1223 | -.724 | .161 | -.257 | -1.1 | .177 | 0 | 1317 | -.679 | .140 | -.246 | -1.201 | 13 | 203 | -.620 | .199 | -.009 | -1.691 |
| 0 | 1224 | -.756 | .163 | -.201 | -1.1 | .264 | 0 | 1318 | -.715 | .144 | -.154 | -1.227 | 13 | 204 | -.579 | .186 | -.194 | -1.196 |
| 0 | 1225 | -.765 | .162 | -.232 | -1.1 | .403 | 0 | 1319 | -.732 | .143 | -.212 | -1.379 | 13 | 205 | -.479 | .189 | -.106 | -1.243 |
| 0 | 1226 | -.755 | .175 | -.226 | -1.1 | .355 | 0 | 1321 | -.731 | .149 | -.214 | -1.433 | 13 | 206 | -.472 | .197 | -.194 | -1.259 |
| 0 | 1227 | -.751 | .193 | -.132 | -1.1 | .416 | 0 | 1322 | -.732 | .154 | -.230 | -1.236 | 13 | 207 | -.565 | .200 | -.073 | -1.298 |
| 0 | 1230 | -.759 | .169 | -.132 | -1.1 | .400 | 0 | 1323 | -.747 | .151 | -.237 | -1.272 | 13 | 208 | -.500 | .175 | -.085 | -1.073 |
| 0 | 1231 | -.732 | .167 | -.206 | -1.1 | .371 | 0 | 1324 | -.711 | .154 | -.172 | -1.240 | 13 | 209 | -.506 | .179 | -.089 | -1.351 |
| 0 | 1232 | -.723 | .167 | -.264 | -1.1 | .264 | 0 | 1325 | -.754 | .143 | -.283 | -1.212 | 13 | 210 | -.541 | .176 | -.102 | -1.734 |
| 0 | 1233 | -.732 | .160 | -.210 | -1.1 | .217 | 0 | 1326 | -.718 | .152 | -.261 | -1.337 | 13 | 211 | -.518 | .167 | -.038 | -1.276 |
| 0 | 1234 | -.745 | .155 | -.244 | -1.1 | .315 | 0 | 1327 | -.751 | .151 | -.252 | -1.301 | 13 | 212 | -.520 | .158 | -.018 | -1.010 |
| 0 | 1235 | -.743 | .162 | -.165 | -1.1 | .313 | 0 | 1328 | -.757 | .146 | -.286 | -1.261 | 13 | 213 | -.485 | .181 | -.093 | -1.190 |
| 0 | 1236 | -.742 | .188 | -.224 | -1.1 | .303 | 0 | 1329 | -.744 | .146 | -.196 | -1.218 | 13 | 214 | -.443 | .162 | -.069 | -1.106 |
| 0 | 1239 | -.732 | .167 | -.257 | -1.1 | .308 | 0 | 1330 | -.743 | .141 | -.268 | -1.334 | 13 | 215 | -.470 | .171 | -.063 | -1.603 |
| 0 | 1240 | -.758 | .158 | -.248 | -1.1 | .289 | 0 | 1331 | -.736 | .133 | -.214 | -1.247 | 13 | 216 | -.451 | .186 | -.099 | -1.705 |
| 0 | 1241 | -.745 | .156 | -.223 | -1.1 | .302 | 0 | 1332 | -.726 | .147 | -.263 | -1.169 | 13 | 217 | -.463 | .169 | -.106 | -1.034 |
| 0 | 1242 | -.754 | .158 | -.201 | -1.1 | .342 | 0 | 1333 | -.719 | .154 | -.230 | -1.276 | 13 | 218 | -.456 | .179 | -.130 | -1.079 |
| 0 | 1243 | -.754 | .157 | -.210 | -1.1 | .369 | 0 | 1334 | -.774 | .144 | -.293 | -1.325 | 13 | 219 | -.429 | .157 | -.063 | -.909 |
| 0 | 1244 | -.750 | .175 | -.129 | -1.1 | .264 | 0 | 1335 | -.733 | .158 | -.223 | -1.221 | 13 | 220 | -.524 | .174 | -.087 | -1.098 |

| WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN |
|----|------|--------|-------|-------|-------|----|-----|--------|-------|-------|--------|----|------|--------|-------|-------|--------|
| 11 | 2221 | .534 | .148 | .094 | -.112 | 11 | 271 | .407 | .178 | .203 | -1.024 | 15 | 920 | .941 | .242 | .029 | -2.170 |
| 11 | 2222 | .493 | .147 | .017 | -.043 | 11 | 272 | .388 | .178 | .223 | -1.943 | 15 | 921 | .883 | .229 | .162 | -1.716 |
| 11 | 2223 | .466 | .163 | .101 | -.140 | 11 | 273 | .354 | .178 | .243 | -1.895 | 15 | 922 | .870 | .213 | .179 | -1.648 |
| 11 | 2224 | .454 | .132 | .140 | -.016 | 11 | 301 | .790 | .191 | .173 | -1.916 | 15 | 923 | .826 | .204 | .179 | -1.700 |
| 11 | 2225 | .451 | .135 | .103 | -.035 | 11 | 302 | .815 | .195 | .146 | -1.587 | 15 | 924 | .759 | .250 | .101 | -2.322 |
| 11 | 2226 | .435 | .164 | .053 | -.002 | 11 | 303 | .811 | .184 | .179 | -1.496 | 15 | 925 | .711 | .233 | .434 | -1.928 |
| 11 | 2227 | .435 | .162 | .028 | -.084 | 11 | 304 | .700 | .188 | .183 | -1.337 | 15 | 926 | .692 | .222 | .284 | -1.896 |
| 11 | 2228 | .431 | .159 | .149 | -.028 | 11 | 305 | .757 | .156 | .275 | -1.378 | 15 | 927 | .615 | .215 | .325 | -1.773 |
| 11 | 2229 | .430 | .161 | .113 | -.028 | 11 | 306 | .685 | .169 | .144 | -1.222 | 15 | 928 | .589 | .219 | .211 | -1.851 |
| 11 | 2230 | .444 | .162 | .026 | -.148 | 11 | 307 | .686 | .168 | .038 | -1.423 | 15 | 929 | .544 | .243 | .019 | -1.771 |
| 11 | 2331 | .514 | .151 | .000 | -.016 | 11 | 308 | .696 | .168 | .160 | -1.226 | 15 | 930 | .534 | .232 | .099 | -1.677 |
| 11 | 2332 | .482 | .153 | .016 | -.030 | 11 | 309 | .712 | .162 | .176 | -1.660 | 15 | 931 | .483 | .215 | .013 | -1.737 |
| 11 | 2333 | .492 | .165 | .102 | -.069 | 11 | 310 | .667 | .134 | .030 | -1.282 | 15 | 932 | .467 | .192 | .604 | -1.475 |
| 11 | 2334 | .477 | .132 | .028 | -.039 | 11 | 311 | .725 | .178 | .043 | -1.303 | 15 | 933 | .443 | .228 | .600 | -1.716 |
| 11 | 2335 | .476 | .171 | .028 | -.038 | 11 | 312 | .688 | .182 | .060 | -1.474 | 15 | 934 | .434 | .221 | .123 | -1.698 |
| 11 | 2336 | .439 | .154 | .177 | -.033 | 11 | 313 | .699 | .188 | .131 | -1.537 | 15 | 935 | .434 | .242 | .028 | -1.814 |
| 11 | 2337 | .449 | .181 | .069 | -.046 | 11 | 314 | .663 | .173 | .131 | -1.579 | 15 | 936 | .434 | .241 | .275 | -1.823 |
| 11 | 2338 | .498 | .146 | .033 | -.022 | 11 | 401 | .976 | .483 | .934 | -2.332 | 15 | 937 | .411 | .214 | .164 | -1.610 |
| 11 | 2339 | .474 | .166 | .033 | -.039 | 11 | 402 | .762 | .236 | .934 | -2.272 | 15 | 938 | .400 | .237 | .164 | -1.819 |
| 11 | 2440 | .466 | .146 | .097 | -.035 | 11 | 403 | .784 | .217 | .199 | -1.938 | 15 | 939 | .337 | .225 | .198 | -1.653 |
| 11 | 2441 | .453 | .160 | .057 | -.011 | 11 | 404 | .784 | .224 | .049 | -1.838 | 15 | 940 | .337 | .243 | .022 | -2.696 |
| 11 | 2442 | .493 | .162 | .040 | -.167 | 11 | 405 | .661 | .213 | .273 | -1.407 | 15 | 941 | .328 | .223 | .129 | -1.578 |
| 11 | 2443 | .466 | .132 | .063 | -.023 | 11 | 501 | .809 | .238 | .011 | -2.232 | 15 | 942 | .328 | .231 | .023 | -1.586 |
| 11 | 2444 | .422 | .162 | .103 | -.009 | 11 | 502 | .889 | .279 | .053 | -1.855 | 15 | 943 | .328 | .222 | .000 | -1.597 |
| 11 | 2445 | .419 | .173 | .209 | -.061 | 11 | 503 | .392 | .343 | .067 | -2.089 | 15 | 944 | .328 | .232 | .071 | -1.677 |
| 11 | 2446 | .406 | .150 | .066 | -.046 | 11 | 504 | .570 | .308 | .333 | -2.787 | 15 | 945 | .335 | .237 | .033 | -1.844 |
| 11 | 2447 | .433 | .172 | .120 | -.030 | 11 | 505 | .755 | .209 | .044 | -1.678 | 15 | 946 | .349 | .235 | .015 | -1.784 |
| 11 | 2448 | .406 | .140 | .126 | -.030 | 11 | 506 | .885 | .236 | .151 | -1.977 | 15 | 1107 | .749 | .140 | .171 | -1.060 |
| 11 | 2449 | .384 | .132 | .164 | -.036 | 11 | 507 | .969 | .222 | .151 | -1.968 | 15 | 1108 | .604 | .141 | .139 | -1.044 |
| 11 | 2500 | .366 | .147 | .091 | -.080 | 11 | 508 | .012 | .232 | .326 | -2.023 | 15 | 1109 | .607 | .135 | .034 | -1.009 |
| 11 | 2501 | .414 | .147 | .095 | -.078 | 11 | 509 | .013 | .233 | .112 | -2.620 | 15 | 1110 | .574 | .148 | .031 | -1.103 |
| 11 | 2502 | .417 | .183 | .097 | -.064 | 11 | 901 | .046 | .235 | .329 | -2.605 | 15 | 1111 | .598 | .150 | .110 | -1.183 |
| 11 | 2503 | .437 | .165 | .211 | -.128 | 11 | 902 | .242 | .194 | .329 | -1.604 | 15 | 1112 | .599 | .130 | .009 | -1.016 |
| 11 | 2504 | .374 | .175 | .201 | -.074 | 11 | 903 | .297 | .371 | .253 | -2.099 | 15 | 1113 | .613 | .130 | .199 | -1.060 |
| 11 | 2505 | .394 | .179 | .271 | -.006 | 11 | 904 | .173 | .214 | .478 | -1.854 | 15 | 1114 | .600 | .147 | .108 | -1.172 |
| 11 | 2506 | .454 | .171 | .032 | -.046 | 11 | 905 | .069 | .210 | .119 | -1.832 | 15 | 1115 | .518 | .153 | .095 | -1.088 |
| 11 | 2507 | .368 | .156 | .178 | -.086 | 11 | 906 | .575 | .193 | .248 | -1.667 | 15 | 1221 | .599 | .175 | .147 | -1.185 |
| 11 | 2508 | .358 | .145 | .209 | -.074 | 11 | 907 | .977 | .209 | .359 | -2.402 | 15 | 1222 | .581 | .143 | .124 | -1.043 |
| 11 | 2509 | .353 | .161 | .242 | -.042 | 11 | 908 | .748 | .236 | .193 | -2.549 | 15 | 1223 | .589 | .150 | .053 | -1.996 |
| 11 | 2600 | .406 | .165 | .112 | -.046 | 11 | 909 | .777 | .235 | .117 | -2.555 | 15 | 1224 | .612 | .177 | .048 | -1.187 |
| 11 | 2601 | .426 | .170 | .162 | -.029 | 11 | 910 | .755 | .212 | .409 | -1.849 | 15 | 1225 | .608 | .169 | .038 | -1.164 |
| 11 | 2602 | .400 | .162 | .105 | -.027 | 11 | 911 | .927 | .212 | .370 | -1.887 | 15 | 1226 | .444 | .221 | .205 | -1.283 |
| 11 | 2603 | .400 | .184 | .232 | -.197 | 11 | 912 | .836 | .208 | .294 | -1.053 | 15 | 1227 | .384 | .313 | .673 | -1.195 |
| 11 | 2604 | .444 | .176 | .417 | -.010 | 11 | 913 | .287 | .287 | .286 | -2.298 | 15 | 1230 | .617 | .152 | .112 | -1.162 |
| 11 | 2605 | .424 | .166 | .171 | -.010 | 11 | 914 | .235 | .235 | .387 | -1.092 | 15 | 1231 | .599 | .156 | .064 | -1.177 |
| 11 | 2606 | .424 | .165 | .150 | -.022 | 11 | 915 | .088 | .224 | .353 | -1.952 | 15 | 1232 | .583 | .144 | .141 | -1.102 |
| 11 | 2607 | .359 | .133 | .030 | -.088 | 11 | 916 | .978 | .175 | .449 | -1.716 | 15 | 1233 | .573 | .159 | .019 | -1.070 |
| 11 | 2608 | .464 | .159 | .033 | -.091 | 11 | 917 | .978 | .213 | .336 | -1.991 | 15 | 1234 | .478 | .159 | .130 | -1.090 |
| 11 | 2609 | .405 | .149 | .126 | -.033 | 11 | 918 | .024 | .243 | .271 | -1.564 | 15 | 1235 | .441 | .182 | .022 | -1.105 |
| 11 | 2700 | .406 | .189 | .122 | -.132 | 11 | 919 | .111 | .315 | .500 | -2.584 | 15 | 1236 | .511 | .230 | .332 | -1.253 |

| MD | TAP | CPHEAN | CPRMS | CPMAX | CPMIN | MD | TAP | CPHEAN | CPRMS | CPMAX | CPMIN | MD | TAP | CPHEAN | CPRMS | CPMAX | CPMIN |
|----|-----|--------|-------|-------|--------|----|-------|--------|-------|-------|--------|----|------|--------|-------|-------|--------|
| 30 | 265 | -.577 | .151 | -.116 | -1.146 | 30 | 914 | -1.018 | .191 | -.368 | -1.877 | 30 | 1231 | -.301 | .168 | -.272 | -.877 |
| 30 | 266 | -.577 | .152 | -.063 | -1.070 | 30 | 915 | -.912 | .178 | -.358 | -1.563 | 30 | 1232 | -.319 | .160 | -.224 | -.781 |
| 30 | 267 | -.600 | .144 | -.091 | -1.104 | 30 | 916 | -1.037 | .252 | -.145 | -2.176 | 30 | 1233 | -.199 | .188 | -.473 | -.803 |
| 30 | 268 | -.612 | .170 | -.035 | -1.162 | 30 | 917 | -1.582 | .346 | -.601 | -3.179 | 30 | 1234 | -.106 | .206 | -.638 | -.825 |
| 30 | 269 | -.614 | .151 | -.071 | -1.066 | 30 | 918 | -1.667 | .545 | -.050 | -3.566 | 30 | 1235 | -.179 | .216 | -.726 | -.499 |
| 30 | 270 | -.621 | .132 | -.139 | -1.092 | 30 | 919 | -.167 | .454 | 1.135 | -2.986 | 30 | 1236 | -.431 | .241 | 1.110 | -.885 |
| 30 | 271 | -.599 | .152 | -.087 | -1.092 | 30 | 920 | -.831 | .224 | -.160 | -1.812 | 30 | 1239 | -.241 | .177 | -.302 | -.773 |
| 30 | 272 | -.580 | .171 | -.014 | -1.158 | 30 | 921 | -.770 | .194 | -.158 | -1.581 | 30 | 1240 | -.329 | .168 | -.198 | -.958 |
| 30 | 273 | -.586 | .142 | -.114 | -1.040 | 30 | 922 | -.770 | .200 | -.254 | -1.562 | 30 | 1241 | -.347 | .157 | -.200 | -.887 |
| 30 | 301 | -.105 | .284 | -.553 | -1.587 | 30 | 923 | -.713 | .207 | -.188 | -1.474 | 30 | 1242 | -.298 | .191 | -.216 | -1.002 |
| 30 | 302 | -1.004 | .395 | -.571 | -2.500 | 30 | 924 | -1.041 | .218 | -.165 | -2.034 | 30 | 1243 | -.175 | .240 | -.642 | -.976 |
| 30 | 303 | -.626 | .286 | -.200 | -1.870 | 30 | 925 | -.946 | .289 | -.237 | -1.857 | 30 | 1244 | -.176 | .246 | -.831 | -.694 |
| 30 | 304 | -.794 | .258 | -.115 | -2.013 | 30 | 926 | -1.002 | .221 | -.312 | -1.807 | 30 | 1245 | -.306 | .307 | 1.174 | -.970 |
| 30 | 305 | -.703 | .263 | -.301 | -1.953 | 30 | 927 | -.554 | .252 | -.246 | -1.955 | 30 | 1248 | -.297 | .169 | -.292 | -.831 |
| 30 | 306 | -.727 | .240 | -.128 | -1.951 | 30 | 928 | -1.324 | .264 | -.487 | -2.636 | 30 | 1249 | -.311 | .173 | -.226 | -.891 |
| 30 | 307 | -.617 | .241 | -.205 | -1.669 | 30 | 929 | -.732 | .287 | -.003 | -1.679 | 30 | 1250 | -.343 | .167 | -.242 | -.883 |
| 30 | 308 | -.727 | .243 | -.130 | -1.673 | 30 | 930 | -.688 | .190 | -.023 | -1.351 | 30 | 1251 | -.255 | .205 | -.278 | -1.006 |
| 30 | 309 | -.611 | .210 | -.137 | -1.377 | 30 | 931 | -.696 | .215 | -.027 | -1.547 | 30 | 1252 | -.157 | .233 | -.638 | -1.000 |
| 30 | 310 | -.707 | .262 | -.114 | -2.337 | 30 | 932 | -.604 | .198 | -.260 | -1.246 | 30 | 1253 | -.044 | .261 | -.765 | -.722 |
| 30 | 311 | -.603 | .210 | -.049 | -1.787 | 30 | 933 | -.742 | .298 | -.029 | -1.463 | 30 | 1254 | -.246 | .283 | 1.010 | -.712 |
| 30 | 312 | -.675 | .251 | -.026 | -1.999 | 30 | 934 | -.830 | .199 | -.055 | -1.632 | 30 | 1257 | -.292 | .161 | -.172 | -.767 |
| 30 | 313 | -.575 | .221 | -.052 | -1.673 | 30 | 935 | -.797 | .225 | -.262 | -1.526 | 30 | 1258 | -.330 | .161 | -.194 | -.843 |
| 30 | 314 | -.602 | .230 | -.051 | -1.629 | 30 | 936 | -.780 | .192 | -.207 | -1.515 | 30 | 1259 | -.322 | .165 | -.262 | -.921 |
| 30 | 401 | -.378 | .446 | -.822 | -1.893 | 30 | 937 | -.848 | .213 | -.117 | -1.627 | 30 | 1260 | -.276 | .193 | -.332 | -.970 |
| 30 | 402 | -.569 | .209 | -.237 | -1.471 | 30 | 938 | -.638 | .190 | -.010 | -1.798 | 30 | 1261 | -.159 | .200 | -.590 | -.753 |
| 30 | 403 | -.903 | .242 | -.083 | -1.787 | 30 | 939 | -.608 | .204 | -.109 | -1.476 | 30 | 1262 | -.061 | .223 | -.732 | -.576 |
| 30 | 404 | -.638 | .177 | -.016 | -1.341 | 30 | 940 | -.621 | .198 | -.067 | -1.529 | 30 | 1263 | -.273 | .261 | -.996 | -.670 |
| 30 | 405 | -.567 | .186 | -.026 | -1.251 | 30 | 941 | -.570 | .194 | -.194 | -1.194 | 30 | 1266 | -.422 | .162 | -.148 | -.982 |
| 30 | 501 | -1.388 | .359 | -.153 | -2.450 | 30 | 942 | -.582 | .190 | -.084 | -1.853 | 30 | 1267 | -.118 | .203 | -.537 | -.769 |
| 30 | 502 | -1.191 | .288 | -.261 | -2.757 | 30 | 943 | -.636 | .198 | -.067 | -1.382 | 30 | 1268 | -.328 | .195 | -.330 | -1.036 |
| 30 | 503 | -.334 | .243 | -.679 | -2.534 | 30 | 944 | -.703 | .200 | -.120 | -1.489 | 30 | 1269 | -.301 | .188 | -.258 | -.905 |
| 30 | 504 | -.286 | .258 | -.610 | -2.395 | 30 | 945 | -.813 | .176 | -.189 | -1.458 | 30 | 1270 | -.151 | .223 | -.662 | -.837 |
| 30 | 505 | -.726 | .179 | -.191 | -1.363 | 30 | 946 | -.710 | .163 | -.156 | -.343 | 30 | 1271 | -.134 | .249 | -.598 | -.899 |
| 30 | 506 | -.707 | .223 | -.116 | -1.580 | 30 | 1107 | -.207 | .150 | -.308 | -.796 | 30 | 1272 | -.340 | .268 | 1.174 | -.576 |
| 30 | 507 | -1.095 | .229 | -.310 | -2.231 | 30 | 1108 | -.306 | .137 | -.165 | -.785 | 30 | 1303 | -.470 | .151 | -.078 | -.978 |
| 30 | 508 | -.388 | .309 | -.341 | -2.447 | 30 | 1109 | -.369 | .146 | -.076 | -.856 | 30 | 1305 | -.483 | .160 | -.010 | -.951 |
| 30 | 509 | -1.624 | .346 | -.590 | -2.651 | 30 | 1110 | -.270 | .178 | -.392 | -.821 | 30 | 1307 | -.474 | .157 | -.034 | -1.057 |
| 30 | 901 | -.927 | .239 | -.261 | -1.918 | 30 | 1111 | -.297 | .143 | -.253 | -.768 | 30 | 1309 | -.508 | .159 | -.012 | -1.029 |
| 30 | 902 | -.783 | .194 | -.304 | -1.705 | 30 | 11116 | -.403 | .147 | -.031 | -.927 | 30 | 1311 | -.434 | .156 | -.020 | -1.049 |
| 30 | 903 | -.929 | .321 | -.121 | -2.730 | 30 | 11121 | -.403 | .146 | -.038 | -.889 | 30 | 1313 | -.495 | .161 | -.041 | -1.002 |
| 30 | 904 | -1.018 | .201 | -.319 | -1.663 | 30 | 11126 | -.427 | .132 | -.017 | -.870 | 30 | 1911 | -.093 | .165 | -.379 | -.628 |
| 30 | 905 | -.865 | .188 | -.197 | -1.514 | 30 | 11356 | -.421 | .144 | -.002 | -.883 | 30 | 1913 | -.264 | .147 | -.240 | -.734 |
| 30 | 906 | -.974 | .244 | -.228 | -2.034 | 30 | 1221 | -.085 | .200 | -.728 | -.572 | 30 | 1914 | -.360 | .135 | -.045 | -.839 |
| 30 | 907 | -1.435 | .319 | -.560 | -2.873 | 30 | 12222 | -.139 | .175 | -.373 | -.817 | 30 | 1915 | -.476 | .145 | -.064 | -1.035 |
| 30 | 908 | -1.073 | .390 | -.041 | -2.401 | 30 | 12223 | -.247 | .173 | -.324 | -.823 | 30 | 1916 | -.486 | .154 | -.068 | -.982 |
| 30 | 909 | -.337 | .826 | -.257 | -3.739 | 30 | 12224 | -.219 | .173 | -.337 | -.769 | 30 | 1917 | -.481 | .155 | -.044 | -1.053 |
| 30 | 910 | -.893 | .221 | -.193 | -1.743 | 30 | 12225 | -.070 | .192 | -.562 | -.783 | 30 | 1918 | -.470 | .156 | -.038 | -1.064 |
| 30 | 911 | -.850 | .201 | -.288 | -1.813 | 30 | 12226 | -.274 | .208 | -.781 | -.495 | 30 | 1921 | -.244 | .154 | -.218 | -.710 |
| 30 | 912 | -.761 | .168 | -.182 | -1.580 | 30 | 12227 | -.502 | .226 | 1.112 | -.367 | 30 | 1923 | -.371 | .144 | -.063 | -.827 |
| 30 | 913 | -.998 | .233 | -.169 | -2.017 | 30 | 12330 | -.377 | .161 | 1.101 | -.939 | 30 | 1924 | -.471 | .140 | -.034 | -.984 |

| WD | TAP | CPNEAR | CPRMS | CPMAX | CPMIN | WD | TAP | CPNEAR | CPRMS | CPMAX | CPMIN | WD | TAP | CPNEAR | CPRMS | CPMAX | CPMIN |
|----|------|--------|-------|-------|--------|----|-----|--------|-------|-------|--------|----|-----|--------|-------|--------|--------|
| 30 | 1925 | - .479 | .151 | -.037 | -.973 | 45 | 209 | -.710 | .144 | -.212 | -1.265 | 45 | 259 | -.602 | .136 | -.172 | -1.046 |
| 30 | 1926 | -.500 | .147 | -.066 | -.902 | 45 | 210 | -.739 | .148 | -.211 | -1.246 | 45 | 260 | -.634 | .146 | -.101 | -1.103 |
| 30 | 1927 | -.502 | .151 | -.094 | -.900 | 45 | 211 | -.756 | .151 | -.245 | -1.212 | 45 | 261 | -.618 | .159 | -.084 | -1.116 |
| 30 | 1928 | -.491 | .162 | .014 | -.109 | 45 | 212 | -.717 | .152 | -.186 | -1.227 | 45 | 262 | -.589 | .145 | -.160 | -1.115 |
| 30 | 1930 | -.327 | .146 | .182 | -.819 | 45 | 213 | -.654 | .134 | -.233 | -1.189 | 45 | 263 | -.553 | .157 | -.006 | -1.073 |
| 30 | 1932 | -.424 | .133 | .010 | -.887 | 45 | 214 | -.673 | .130 | -.220 | -1.117 | 45 | 264 | -.546 | .149 | -.063 | -1.992 |
| 30 | 1933 | -.480 | .166 | .196 | -1.093 | 45 | 215 | -.672 | .141 | -.256 | -1.100 | 45 | 265 | -.532 | .166 | -.003 | -1.199 |
| 30 | 1934 | -.310 | .147 | -.024 | -.940 | 45 | 216 | -.676 | .128 | -.324 | -1.083 | 45 | 266 | -.536 | .138 | -.116 | -1.010 |
| 30 | 1935 | -.493 | .151 | -.077 | -.984 | 45 | 217 | -.658 | .146 | -.144 | -1.119 | 45 | 267 | -.577 | .140 | -.095 | -1.080 |
| 30 | 1936 | -.506 | .148 | -.059 | -.978 | 45 | 218 | -.665 | .143 | -.154 | -1.083 | 45 | 268 | -.607 | .160 | -.029 | -1.282 |
| 30 | 1937 | -.539 | .182 | -.058 | -1.337 | 45 | 219 | -.651 | .153 | -.154 | -1.113 | 45 | 269 | -.634 | .130 | -.193 | -1.063 |
| 30 | 1939 | -.281 | .161 | .206 | -.878 | 45 | 220 | -.776 | .139 | -.358 | -1.280 | 45 | 270 | -.634 | .148 | -.170 | -1.136 |
| 30 | 1941 | -.351 | .158 | .136 | -.874 | 45 | 221 | -.763 | .156 | -.271 | -1.368 | 45 | 271 | -.595 | .140 | -.179 | -1.094 |
| 30 | 1942 | -.428 | .155 | .133 | -1.009 | 45 | 222 | -.694 | .142 | -.236 | -1.145 | 45 | 272 | -.545 | .151 | -.006 | -1.122 |
| 30 | 1943 | -.500 | .153 | -.051 | -.951 | 45 | 223 | -.676 | .141 | -.094 | -1.107 | 45 | 273 | -.554 | .137 | -.135 | -1.096 |
| 30 | 1944 | -.516 | .168 | .045 | -1.053 | 45 | 224 | -.670 | .145 | -.196 | -1.216 | 45 | 301 | -.221 | .182 | .831 | -.409 |
| 30 | 1945 | -.526 | .181 | .100 | -1.047 | 45 | 225 | -.679 | .143 | -.223 | -1.168 | 45 | 302 | -.140 | .363 | 1.031 | -1.725 |
| 30 | 1946 | -.590 | .212 | .145 | -1.460 | 45 | 226 | -.657 | .141 | -.240 | -1.250 | 45 | 303 | -.051 | .199 | .624 | -1.028 |
| 45 | 101 | -.807 | .151 | -.275 | -1.313 | 45 | 227 | -.633 | .135 | -.195 | -1.164 | 45 | 304 | -.020 | .448 | 1.150 | -1.490 |
| 45 | 102 | -.797 | .164 | -.275 | -1.358 | 45 | 228 | -.649 | .147 | -.233 | -1.129 | 45 | 305 | -.106 | .297 | .608 | -1.539 |
| 45 | 103 | -.793 | .168 | -.253 | -1.528 | 45 | 229 | -.776 | .170 | -.091 | -1.484 | 45 | 306 | -.254 | .409 | 1.052 | -1.456 |
| 45 | 104 | -.787 | .184 | -.192 | -1.632 | 45 | 230 | -.715 | .150 | -.248 | -1.324 | 45 | 307 | -.182 | .303 | .502 | -2.144 |
| 45 | 105 | -.908 | .221 | -.204 | -2.199 | 45 | 231 | -.705 | .136 | -.238 | -1.191 | 45 | 308 | -.391 | .395 | .872 | -1.602 |
| 45 | 106 | -.951 | .194 | -.375 | -1.912 | 45 | 232 | -.701 | .136 | -.257 | -1.141 | 45 | 309 | -.205 | .303 | .491 | -1.431 |
| 45 | 107 | -.899 | .173 | -.360 | -1.682 | 45 | 233 | -.714 | .142 | -.172 | -1.212 | 45 | 310 | -.455 | .395 | .825 | -1.785 |
| 45 | 108 | -.877 | .192 | -.362 | -1.780 | 45 | 234 | -.651 | .130 | -.175 | -1.044 | 45 | 311 | -.256 | .282 | .339 | -1.905 |
| 45 | 109 | -.848 | .166 | -.338 | -1.532 | 45 | 235 | -.652 | .126 | -.196 | -1.141 | 45 | 312 | -.533 | .373 | .778 | -1.767 |
| 45 | 110 | -.790 | .169 | -.205 | -1.321 | 45 | 236 | -.665 | .124 | -.288 | -1.078 | 45 | 313 | -.352 | .288 | .383 | -1.593 |
| 45 | 111 | -.994 | .205 | -.185 | -1.913 | 45 | 237 | -.664 | .133 | -.205 | -1.102 | 45 | 314 | -.390 | .257 | .492 | -1.414 |
| 45 | 112 | -.962 | .218 | -.341 | -2.086 | 45 | 238 | -.705 | .158 | -.106 | -1.233 | 45 | 401 | -.064 | .294 | 1.004 | -1.679 |
| 45 | 113 | -.856 | .168 | -.289 | -1.543 | 45 | 239 | -.694 | .148 | -.261 | -1.318 | 45 | 402 | -.443 | .205 | .437 | -1.176 |
| 45 | 114 | -.843 | .178 | -.270 | -1.594 | 45 | 240 | -.694 | .126 | -.261 | -1.097 | 45 | 403 | -.576 | .213 | .143 | -1.464 |
| 45 | 115 | -.369 | .129 | -.026 | -.780 | 45 | 241 | -.683 | .140 | -.195 | -1.126 | 45 | 404 | -.380 | .257 | .489 | -1.153 |
| 45 | 116 | -.403 | .144 | -.015 | -1.026 | 45 | 242 | -.686 | .140 | -.233 | -1.094 | 45 | 405 | -.133 | .269 | .793 | -1.487 |
| 45 | 120 | -.288 | .136 | -.148 | -.869 | 45 | 243 | -.675 | .149 | -.168 | -1.086 | 45 | 501 | -.087 | .258 | -1.027 | -2.924 |
| 45 | 121 | -.309 | .131 | -.146 | -.777 | 45 | 244 | -.663 | .124 | -.286 | -1.061 | 45 | 502 | -.061 | .259 | -1.027 | -2.948 |
| 45 | 125 | -.273 | .133 | -.192 | -.808 | 45 | 245 | -.636 | .148 | -.206 | -1.082 | 45 | 503 | -.911 | .292 | -1.065 | -3.148 |
| 45 | 126 | -.285 | .140 | -.220 | -.728 | 45 | 246 | -.625 | .130 | -.237 | -1.078 | 45 | 504 | -.068 | .348 | -1.115 | -3.253 |
| 45 | 130 | -.274 | .136 | -.173 | -.729 | 45 | 247 | -.621 | .176 | -.078 | -1.320 | 45 | 505 | -.045 | .205 | -.377 | -1.758 |
| 45 | 131 | -.309 | .134 | -.189 | -.756 | 45 | 248 | -.590 | .152 | -.015 | -1.086 | 45 | 506 | -.881 | .266 | -.028 | -1.811 |
| 45 | 133 | -.292 | .149 | -.226 | -.822 | 45 | 249 | -.629 | .139 | -.155 | -1.096 | 45 | 507 | -.399 | .241 | -.526 | -2.417 |
| 45 | 136 | -.275 | .137 | -.171 | -.804 | 45 | 250 | -.633 | .149 | -.063 | -1.080 | 45 | 508 | -.058 | .374 | -.786 | -3.606 |
| 45 | 201 | -.708 | .155 | -.207 | -1.178 | 45 | 251 | -.651 | .133 | -.191 | -1.099 | 45 | 509 | -.269 | .402 | -.891 | -3.854 |
| 45 | 202 | -.711 | .147 | -.205 | -1.155 | 45 | 252 | -.635 | .151 | -.189 | -1.164 | 45 | 901 | -.108 | .263 | -.300 | -2.176 |
| 45 | 203 | -.798 | .185 | -.042 | -1.466 | 45 | 253 | -.622 | .144 | -.092 | -1.090 | 45 | 902 | -.041 | .266 | -.228 | -2.413 |
| 45 | 204 | -.734 | .169 | -.273 | -1.458 | 45 | 254 | -.584 | .145 | -.025 | -1.109 | 45 | 903 | -.699 | .260 | -.273 | -2.442 |
| 45 | 205 | -.740 | .153 | -.156 | -2.290 | 45 | 255 | -.587 | .147 | -.025 | -1.053 | 45 | 904 | -.798 | .173 | -.294 | -1.355 |
| 45 | 206 | -.726 | .154 | -.212 | -2.240 | 45 | 256 | -.573 | .168 | -.033 | -1.246 | 45 | 905 | -.946 | .177 | -.253 | -1.539 |
| 45 | 207 | -.731 | .153 | -.165 | -2.280 | 45 | 257 | -.577 | .147 | -.057 | -1.006 | 45 | 906 | -.459 | .349 | -.590 | -3.252 |
| 45 | 208 | -.687 | .148 | -.256 | -1.157 | 45 | 258 | -.558 | .144 | -.111 | -1.155 | 45 | 907 | -.129 | .401 | -.880 | -3.638 |

| NO | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | NO | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | NO | TAP | CPMEAN | CPRMS | CPMAX | CPMIN |
|----|------|--------|-------|-------|-------|----|------|--------|-------|-------|-------|----|------|--------|-------|-------|--------|
| 43 | 908 | -1.730 | .282 | -.912 | -.300 | 45 | 1223 | .074 | .144 | .612 | -.403 | 45 | 1916 | -.399 | .152 | .109 | -1.041 |
| 43 | 909 | -.323 | .369 | -.424 | -.333 | 45 | 1224 | .120 | .141 | .556 | -.376 | 45 | 1917 | -.407 | .152 | .131 | -.876 |
| 43 | 910 | -1.062 | .266 | -.240 | -.235 | 43 | 1225 | .239 | .161 | .693 | -.301 | 45 | 1918 | -.388 | .152 | .070 | -.854 |
| 43 | 911 | -1.044 | .211 | -.336 | -.188 | 43 | 1226 | .474 | .170 | .983 | -.043 | 45 | 1921 | -.033 | .138 | .519 | -.414 |
| 43 | 912 | -1.010 | .227 | -.347 | -.212 | 45 | 1227 | .610 | .173 | 1.204 | -.033 | 45 | 1923 | -.157 | .155 | .329 | -.799 |
| 43 | 913 | -.733 | .253 | -.188 | -.229 | 45 | 1230 | -.094 | .154 | .424 | -.325 | 45 | 1924 | -.307 | .154 | .233 | -.820 |
| 43 | 914 | -.823 | .172 | -.156 | -.111 | 43 | 1231 | -.001 | .122 | .405 | -.450 | 45 | 1925 | -.419 | .147 | .014 | -1.013 |
| 43 | 915 | -.979 | .211 | -.146 | -.225 | 45 | 1232 | -.003 | .137 | .460 | -.443 | 45 | 1926 | -.437 | .139 | .017 | -.946 |
| 43 | 916 | -1.436 | .310 | -.559 | -.248 | 45 | 1233 | .147 | .133 | .731 | -.356 | 45 | 1927 | -.423 | .153 | .141 | -.955 |
| 43 | 917 | -2.504 | .483 | -.956 | -.386 | 45 | 1234 | .243 | .138 | .688 | -.246 | 45 | 1928 | -.405 | .155 | .190 | -.998 |
| 43 | 918 | -1.842 | .497 | -.201 | -.370 | 45 | 1235 | .446 | .179 | .970 | -.132 | 45 | 1930 | -.017 | .143 | .564 | -.529 |
| 43 | 919 | -.153 | .294 | -.690 | -.190 | 45 | 1236 | .585 | .180 | 1.207 | -.062 | 45 | 1932 | -.214 | .154 | .320 | -.711 |
| 43 | 920 | -.713 | .210 | -.070 | -.197 | 45 | 1238 | .018 | .159 | .541 | -.610 | 45 | 1933 | -.301 | .145 | .115 | -.809 |
| 43 | 921 | -.771 | .197 | -.123 | -.167 | 45 | 1240 | -.002 | .130 | .415 | -.457 | 45 | 1934 | -.362 | .159 | .181 | -1.026 |
| 43 | 922 | -.920 | .253 | -.170 | -.213 | 45 | 1241 | .023 | .130 | .499 | -.501 | 45 | 1935 | -.415 | .136 | .062 | -.867 |
| 43 | 923 | -.538 | .221 | -.282 | -.140 | 45 | 1242 | .073 | .154 | .588 | -.329 | 45 | 1936 | -.410 | .153 | .107 | -.923 |
| 43 | 924 | -.868 | .180 | -.068 | -.140 | 45 | 1243 | .265 | .170 | .767 | -.322 | 45 | 1937 | -.716 | .246 | .126 | -1.903 |
| 43 | 925 | -.975 | .216 | -.209 | -.186 | 45 | 1244 | .450 | .170 | .919 | -.054 | 45 | 1938 | -.060 | .152 | .545 | -.407 |
| 43 | 926 | -.820 | .335 | -.025 | -.226 | 45 | 1245 | .550 | .199 | 1.149 | -.113 | 45 | 1941 | -.013 | .156 | .596 | -.672 |
| 43 | 927 | -.767 | .175 | -.182 | -.116 | 45 | 1248 | .003 | .150 | .380 | -.403 | 45 | 1942 | -.149 | .143 | .323 | -.642 |
| 43 | 928 | -.661 | .350 | -.423 | -.308 | 45 | 1249 | .042 | .133 | .401 | -.599 | 45 | 1943 | -.241 | .159 | .177 | -.839 |
| 43 | 929 | -.743 | .201 | -.162 | -.157 | 45 | 1250 | .043 | .134 | .441 | -.437 | 45 | 1944 | -.269 | .165 | .203 | -.639 |
| 43 | 930 | -.843 | .257 | -.083 | -.229 | 45 | 1251 | .102 | .130 | .518 | -.327 | 45 | 1945 | -.237 | .180 | .273 | -.917 |
| 43 | 931 | -.891 | .279 | -.042 | -.206 | 45 | 1252 | .228 | .138 | .690 | -.271 | 45 | 1946 | -.580 | .244 | .344 | -1.441 |
| 43 | 932 | -.346 | .246 | -.626 | -.153 | 45 | 1253 | .369 | .194 | 1.021 | -.216 | 60 | 101 | -.580 | .131 | -.230 | -1.379 |
| 43 | 933 | -.662 | .206 | -.057 | -.146 | 45 | 1254 | .484 | .188 | .998 | -.079 | 60 | 102 | -.862 | .154 | -.388 | -1.321 |
| 43 | 934 | -.336 | .246 | -.212 | -.141 | 45 | 1255 | .021 | .132 | .558 | -.327 | 60 | 103 | -.791 | .160 | -.263 | -1.323 |
| 43 | 935 | -.435 | .160 | -.087 | -.126 | 45 | 1256 | .029 | .153 | .529 | -.370 | 60 | 104 | -.842 | .195 | -.237 | -1.739 |
| 43 | 936 | -.810 | .177 | -.188 | -.152 | 45 | 1257 | .001 | .143 | .556 | -.619 | 60 | 105 | -.803 | .176 | -.290 | -1.574 |
| 43 | 937 | -.087 | .254 | -.360 | -.152 | 45 | 1260 | .094 | .149 | .723 | -.382 | 60 | 106 | -.956 | .185 | -.374 | -1.535 |
| 43 | 938 | -.753 | .198 | -.102 | -.132 | 45 | 1261 | .187 | .174 | .735 | -.327 | 60 | 107 | -.953 | .158 | -.400 | -1.557 |
| 43 | 939 | -.785 | .278 | -.019 | -.076 | 45 | 1262 | .326 | .144 | .831 | -.135 | 60 | 108 | -.965 | .161 | -.381 | -1.529 |
| 43 | 940 | -.040 | .396 | -.035 | -.161 | 45 | 1263 | .410 | .182 | 1.055 | -.118 | 60 | 109 | -.869 | .152 | -.097 | -1.359 |
| 43 | 941 | -.120 | .229 | -.586 | -.133 | 45 | 1266 | .144 | .146 | .471 | -.616 | 60 | 110 | -.774 | .172 | -.225 | -1.427 |
| 43 | 942 | -.466 | .170 | -.053 | -.168 | 45 | 1268 | .130 | .160 | .618 | -.418 | 60 | 111 | -.009 | .180 | -.276 | -1.602 |
| 43 | 943 | -.596 | .132 | -.106 | -.217 | 45 | 1269 | .003 | .154 | .443 | -.542 | 60 | 112 | -.986 | .180 | -.463 | -1.744 |
| 43 | 944 | -.837 | .193 | -.095 | -.162 | 45 | 1269 | .069 | .126 | .497 | -.318 | 60 | 113 | -.923 | .163 | -.407 | -1.490 |
| 43 | 945 | -.181 | .205 | -.447 | -.112 | 45 | 1270 | .194 | .177 | .733 | -.333 | 60 | 114 | -.790 | .184 | -.181 | -1.518 |
| 43 | 946 | -.051 | .197 | -.408 | -.111 | 45 | 1271 | .236 | .164 | .714 | -.339 | 60 | 115 | -.438 | .131 | -.005 | -.856 |
| 43 | 1097 | -.043 | .150 | -.697 | -.471 | 45 | 1272 | .377 | .182 | .957 | -.160 | 60 | 116 | -.491 | .151 | -.017 | -.941 |
| 43 | 1108 | -.062 | .132 | -.472 | -.516 | 45 | 1300 | .367 | .153 | .104 | -.912 | 60 | 120 | -.298 | .128 | -.151 | -.786 |
| 43 | 1109 | -.075 | .158 | -.319 | -.574 | 45 | 1305 | .401 | .135 | .139 | -.850 | 60 | 121 | -.330 | .146 | -.179 | -1.011 |
| 43 | 1110 | -.119 | .168 | -.697 | -.476 | 45 | 1307 | .394 | .138 | .038 | -.901 | 60 | 125 | -.264 | .139 | -.219 | -.709 |
| 43 | 1111 | -.137 | .140 | -.432 | -.640 | 45 | 1309 | .417 | .143 | .183 | -.968 | 60 | 126 | -.292 | .133 | -.130 | -.785 |
| 43 | 1116 | -.310 | .140 | -.205 | -.993 | 45 | 1311 | .348 | .137 | .106 | -.863 | 60 | 130 | -.257 | .138 | -.268 | -.856 |
| 43 | 1121 | -.381 | .154 | -.121 | -.889 | 45 | 1313 | .433 | .160 | .014 | -.105 | 60 | 131 | -.268 | .135 | -.204 | -.757 |
| 43 | 1126 | -.368 | .132 | -.049 | -.859 | 45 | 1911 | -.205 | .134 | .714 | -.268 | 60 | 135 | -.232 | .157 | -.330 | -.802 |
| 43 | 1136 | -.401 | .147 | -.104 | -.904 | 45 | 1913 | -.030 | .132 | .581 | -.521 | 60 | 201 | -.276 | .132 | -.211 | -.741 |
| 43 | 1221 | -.333 | .133 | -.857 | -.199 | 45 | 1914 | -.211 | .142 | .243 | -.681 | 60 | 201 | -.625 | .159 | -.126 | -1.172 |
| 43 | 1222 | -.357 | .158 | -.657 | -.463 | 45 | 1915 | -.385 | .158 | .117 | -.848 | 60 | 202 | -.617 | .142 | -.087 | -1.230 |

| WD | TAP | CPNEAN | CPRNS | CPMAX | CPMIN | WD | TAP | CPNEAN | CPRNS | CPMAX | CPMIN | WD | TAP | CPNEAN | CPRNS | CPMAX | CPMIN |
|----|-----|--------|-------|-------|--------|----|-----|--------|-------|-------|---------|----|------|--------|-------|-------|--------|
| 60 | 203 | .621 | .149 | -.116 | -.147 | 60 | 253 | -.531 | -.156 | -.070 | -.012 | 60 | 902 | -1.475 | -.345 | -.430 | -2.646 |
| 60 | 204 | .611 | .184 | -.099 | -.1376 | 60 | 254 | -.503 | -.157 | -.017 | -.002 | 60 | 903 | -.300 | -.276 | -.628 | -1.349 |
| 60 | 205 | .590 | .162 | -.019 | -.124 | 60 | 255 | -.502 | -.153 | -.066 | -.062 | 60 | 904 | -.507 | -.185 | -.075 | -1.346 |
| 60 | 206 | .563 | .150 | -.051 | -.101 | 60 | 256 | -.734 | -.209 | -.168 | -.1644 | 60 | 905 | -.891 | -.200 | -.169 | -1.718 |
| 60 | 207 | .606 | .150 | -.085 | -.147 | 60 | 257 | -.632 | -.173 | -.141 | -.333 | 60 | 906 | -1.647 | -.363 | -.693 | -3.083 |
| 60 | 208 | .578 | .147 | -.019 | -.1043 | 60 | 258 | -.622 | -.191 | -.002 | -.1256 | 60 | 907 | -1.760 | -.313 | -.574 | -2.814 |
| 60 | 209 | .601 | .150 | -.139 | -.1106 | 60 | 259 | -.624 | -.169 | -.083 | -.1370 | 60 | 908 | -1.453 | -.284 | -.518 | -2.688 |
| 60 | 210 | .6669 | .154 | -.191 | -.1147 | 60 | 260 | -.583 | -.165 | -.035 | -.1339 | 60 | 909 | -1.573 | -.250 | -.196 | -1.669 |
| 60 | 211 | .6822 | .150 | -.191 | -.1193 | 60 | 261 | -.553 | -.171 | -.085 | -.1403 | 60 | 910 | -.630 | -.234 | -.179 | -1.323 |
| 60 | 212 | .639 | .141 | -.120 | -.1083 | 60 | 262 | -.525 | -.163 | -.039 | -.126 | 60 | 911 | -.716 | -.223 | -.146 | -1.977 |
| 60 | 213 | .667 | .148 | -.187 | -.1153 | 60 | 263 | -.503 | -.139 | -.000 | -.1083 | 60 | 912 | -1.434 | -.282 | -.495 | -2.811 |
| 60 | 214 | .630 | .146 | -.155 | -.1160 | 60 | 264 | -.503 | -.160 | -.019 | -.1058 | 60 | 913 | -.236 | -.254 | -.776 | -1.107 |
| 60 | 215 | .636 | .138 | -.099 | -.1129 | 60 | 265 | -.699 | -.236 | -.037 | -.1376 | 60 | 914 | -.520 | -.187 | -.116 | -1.247 |
| 60 | 216 | .614 | .141 | -.226 | -.1237 | 60 | 266 | -.610 | -.178 | -.000 | -.1290 | 60 | 915 | -1.019 | -.227 | -.356 | -2.183 |
| 60 | 217 | .622 | .151 | -.058 | -.1126 | 60 | 267 | -.619 | -.157 | -.149 | -.11223 | 60 | 916 | -1.182 | -.244 | -.255 | -2.253 |
| 60 | 218 | .626 | .144 | -.130 | -.1099 | 60 | 268 | -.629 | -.197 | -.023 | -.119 | 60 | 917 | -1.886 | -.514 | -.094 | -3.426 |
| 60 | 219 | .644 | .147 | -.029 | -.997 | 60 | 269 | -.598 | -.174 | -.118 | -.1119 | 60 | 918 | -.806 | -.250 | -.162 | -2.234 |
| 60 | 220 | .698 | .162 | -.128 | -.1183 | 60 | 270 | -.567 | -.176 | -.027 | -.11710 | 60 | 919 | -.489 | -.245 | -.333 | -1.466 |
| 60 | 221 | .643 | .153 | -.135 | -.1238 | 60 | 271 | -.540 | -.151 | -.101 | -.1205 | 60 | 920 | -.734 | -.225 | -.037 | -2.148 |
| 60 | 222 | .624 | .137 | -.139 | -.1130 | 60 | 272 | -.503 | -.171 | -.102 | -.1083 | 60 | 921 | -.973 | -.292 | -.101 | -2.539 |
| 60 | 223 | .632 | .138 | -.186 | -.1105 | 60 | 273 | -.509 | -.163 | -.015 | -.1079 | 60 | 922 | -1.211 | -.279 | -.390 | -2.646 |
| 60 | 224 | .615 | .165 | -.050 | -.1134 | 60 | 301 | -.472 | -.194 | 1.404 | 1.135 | 60 | 923 | -.068 | -.277 | -.869 | -1.969 |
| 60 | 225 | .672 | .153 | -.072 | -.124 | 60 | 302 | -.561 | -.198 | 1.317 | 1.024 | 60 | 924 | -.456 | -.263 | -.349 | -1.357 |
| 60 | 226 | .640 | .139 | -.019 | -.1060 | 60 | 303 | -.463 | -.188 | 1.082 | 1.202 | 60 | 925 | -.396 | -.255 | -.214 | -1.450 |
| 60 | 227 | .643 | .131 | -.159 | -.1022 | 60 | 304 | -.723 | -.249 | 1.529 | 1.309 | 60 | 926 | -.498 | -.139 | -.013 | -1.144 |
| 60 | 228 | .659 | .153 | -.087 | -.1126 | 60 | 305 | -.419 | -.183 | 1.175 | 1.143 | 60 | 927 | -.812 | -.238 | -.003 | -1.753 |
| 60 | 229 | .728 | .168 | -.158 | -.1422 | 60 | 306 | -.659 | -.253 | 1.493 | 1.586 | 60 | 928 | -1.556 | -.290 | -.617 | -3.132 |
| 60 | 230 | .644 | .151 | -.192 | -.1252 | 60 | 307 | -.319 | -.207 | 1.047 | 1.510 | 60 | 929 | -.636 | -.246 | -.200 | -1.972 |
| 60 | 231 | .677 | .146 | -.223 | -.1198 | 60 | 308 | -.553 | -.262 | 1.325 | 1.598 | 60 | 930 | -.872 | -.398 | -.286 | -2.672 |
| 60 | 232 | .656 | .143 | -.223 | -.1095 | 60 | 309 | -.246 | -.190 | 1.827 | 1.342 | 60 | 931 | -1.414 | -.401 | -.172 | -3.307 |
| 60 | 233 | .656 | .142 | -.209 | -.1153 | 60 | 310 | -.472 | -.315 | 1.429 | 1.652 | 60 | 932 | -.357 | -.283 | 1.362 | 1.612 |
| 60 | 234 | .690 | .144 | -.128 | -.1033 | 60 | 311 | -.220 | -.203 | 1.879 | 1.447 | 60 | 933 | -.111 | -.186 | -.470 | -1.149 |
| 60 | 235 | .626 | .144 | -.215 | -.1099 | 60 | 312 | -.407 | -.309 | 1.408 | 1.937 | 60 | 934 | -.226 | -.144 | -.258 | -1.778 |
| 60 | 236 | .694 | .132 | -.031 | -.1105 | 60 | 313 | -.137 | -.152 | 1.738 | 1.393 | 60 | 935 | -.475 | -.180 | -.055 | -1.305 |
| 60 | 237 | .677 | .145 | -.133 | -.1237 | 60 | 314 | -.239 | -.235 | 1.913 | 1.721 | 60 | 936 | -1.298 | -.253 | -.428 | -2.250 |
| 60 | 238 | .778 | .200 | -.193 | -.1544 | 60 | 401 | -.262 | -.281 | 1.175 | 1.169 | 60 | 937 | -1.358 | -.257 | -.426 | -2.374 |
| 60 | 239 | .667 | .165 | -.159 | -.1422 | 60 | 402 | -.172 | -.212 | 1.565 | 1.890 | 60 | 938 | -.660 | -.195 | -.121 | -1.581 |
| 60 | 240 | .661 | .139 | -.226 | -.1205 | 60 | 403 | -.040 | -.346 | 1.507 | 1.128 | 60 | 939 | -.881 | -.299 | -.039 | -1.106 |
| 60 | 241 | .631 | .164 | -.188 | -.1677 | 60 | 404 | -.386 | -.299 | 1.316 | 1.667 | 60 | 940 | -1.298 | -.333 | -.053 | -3.409 |
| 60 | 242 | .636 | .143 | -.223 | -.1176 | 60 | 405 | -.023 | -.181 | 1.621 | 1.721 | 60 | 941 | -.203 | -.176 | -.571 | -1.906 |
| 60 | 243 | .682 | .149 | -.033 | -.1051 | 60 | 501 | -.384 | -.198 | 1.697 | 1.960 | 60 | 942 | -.320 | -.151 | -.127 | -1.780 |
| 60 | 244 | .626 | .153 | -.072 | -.1109 | 60 | 502 | -.481 | -.219 | 1.772 | 2.251 | 60 | 943 | -.498 | -.178 | -.146 | -1.177 |
| 60 | 245 | .631 | .153 | -.019 | -.1130 | 60 | 503 | -.533 | -.243 | 1.879 | 2.425 | 60 | 944 | -.860 | -.250 | -.076 | -2.043 |
| 60 | 246 | .074 | .140 | -.111 | -.1018 | 60 | 504 | -.561 | -.235 | 1.851 | 1.756 | 60 | 945 | -1.400 | -.295 | -.500 | -2.637 |
| 60 | 247 | .719 | .227 | -.087 | -.1546 | 60 | 505 | -.124 | -.186 | 1.437 | 1.790 | 60 | 946 | -1.132 | -.200 | -.447 | -1.853 |
| 60 | 248 | .639 | .178 | -.025 | -.1714 | 60 | 506 | -.376 | -.278 | 1.393 | 1.400 | 60 | 1107 | -.163 | -.147 | -.626 | -.316 |
| 60 | 249 | .609 | .162 | -.076 | -.1207 | 60 | 507 | -.485 | -.241 | 1.572 | 1.225 | 60 | 1108 | -.091 | -.149 | -.370 | -1.363 |
| 60 | 250 | .635 | .160 | -.097 | -.1319 | 60 | 508 | -.677 | -.299 | 1.814 | 1.830 | 60 | 1109 | -.118 | -.160 | -.760 | -1.390 |
| 60 | 251 | .639 | .143 | -.153 | -.1393 | 60 | 509 | -.796 | -.309 | 1.733 | 1.521 | 60 | 1110 | -.264 | -.159 | -.920 | -1.168 |
| 60 | 252 | .667 | .161 | -.072 | -.134 | 60 | 901 | -.916 | -.295 | 1.263 | 1.785 | 60 | 1111 | -.034 | -.141 | -.427 | -.501 |

| WD | TAP | CPNEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPNEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPNEAN | CPRMS | CPMAX | CPMIN |
|----|------|--------|-------|-------|-------|----|------|--------|-------|-------|-------|----|-----|--------|-------|-------|-------|
| 60 | 1116 | 203 | 153 | 371 | 712 | 60 | 1311 | 239 | 157 | 304 | 668 | 75 | 130 | 286 | 140 | 225 | 784 |
| 60 | 1121 | 259 | 150 | 297 | 798 | 60 | 1313 | 324 | 152 | 205 | 791 | 75 | 131 | 310 | 137 | 881 | 809 |
| 60 | 1126 | 242 | 145 | 316 | 800 | 60 | 1911 | 329 | 154 | 832 | 170 | 75 | 135 | 262 | 141 | 176 | 749 |
| 60 | 1136 | 216 | 147 | 239 | 869 | 60 | 1913 | 139 | 153 | 760 | 444 | 75 | 136 | 288 | 139 | 117 | 823 |
| 60 | 1221 | 431 | 156 | 927 | 034 | 60 | 1914 | 006 | 142 | 526 | 411 | 75 | 201 | 596 | 271 | 217 | 156 |
| 60 | 1222 | 217 | 141 | 718 | 273 | 60 | 1915 | 137 | 145 | 306 | 588 | 75 | 202 | 589 | 249 | 110 | 609 |
| 60 | 1223 | 191 | 146 | 643 | 452 | 60 | 1916 | 165 | 172 | 515 | 636 | 75 | 203 | 573 | 218 | 127 | 715 |
| 60 | 1224 | 203 | 165 | 641 | 264 | 60 | 1917 | 278 | 186 | 313 | 684 | 75 | 204 | 712 | 217 | 006 | 635 |
| 60 | 1225 | 302 | 155 | 837 | 228 | 60 | 1918 | 302 | 156 | 290 | 814 | 75 | 205 | 702 | 175 | 050 | 309 |
| 60 | 1226 | 460 | 143 | 897 | 170 | 60 | 1921 | 181 | 141 | 702 | 307 | 75 | 206 | 755 | 197 | 201 | 871 |
| 60 | 1227 | 537 | 175 | 121 | 101 | 60 | 1923 | 040 | 152 | 510 | 481 | 75 | 207 | 630 | 179 | 000 | 326 |
| 60 | 1230 | 011 | 128 | 438 | 438 | 60 | 1924 | 053 | 170 | 559 | 620 | 75 | 208 | 673 | 184 | 081 | 402 |
| 60 | 1231 | 100 | 140 | 624 | 310 | 60 | 1925 | 130 | 167 | 545 | 698 | 75 | 209 | 688 | 195 | 015 | 332 |
| 60 | 1232 | 093 | 143 | 574 | 377 | 60 | 1926 | 222 | 154 | 281 | 742 | 75 | 210 | 591 | 247 | 074 | 000 |
| 60 | 1233 | 222 | 163 | 737 | 239 | 60 | 1927 | 269 | 186 | 420 | 830 | 75 | 211 | 541 | 223 | 244 | 632 |
| 60 | 1234 | 296 | 162 | 964 | 197 | 60 | 1928 | 327 | 230 | 462 | 935 | 75 | 212 | 559 | 209 | 083 | 373 |
| 60 | 1235 | 479 | 178 | 1027 | 135 | 60 | 1930 | 162 | 168 | 735 | 335 | 75 | 213 | 555 | 211 | 193 | 845 |
| 60 | 1236 | 511 | 164 | 1067 | 005 | 60 | 1932 | 030 | 161 | 570 | 446 | 75 | 214 | 566 | 235 | 172 | 603 |
| 60 | 1239 | 114 | 127 | 365 | 308 | 60 | 1933 | 025 | 156 | 529 | 534 | 75 | 215 | 667 | 232 | 033 | 683 |
| 60 | 1240 | 086 | 134 | 507 | 432 | 60 | 1934 | 090 | 158 | 406 | 589 | 75 | 216 | 682 | 223 | 021 | 724 |
| 60 | 1241 | 080 | 142 | 549 | 385 | 60 | 1935 | 160 | 168 | 374 | 768 | 75 | 217 | 647 | 213 | 202 | 860 |
| 60 | 1242 | 186 | 133 | 626 | 246 | 60 | 1936 | 182 | 189 | 374 | 819 | 75 | 218 | 621 | 179 | 052 | 575 |
| 60 | 1243 | 264 | 156 | 699 | 275 | 60 | 1937 | 422 | 199 | 253 | 481 | 75 | 219 | 612 | 159 | 154 | 207 |
| 60 | 1244 | 464 | 187 | 104 | 097 | 60 | 1939 | 244 | 156 | 790 | 272 | 75 | 220 | 593 | 223 | 110 | 551 |
| 60 | 1245 | 442 | 174 | 979 | 151 | 60 | 1941 | 198 | 161 | 744 | 370 | 75 | 221 | 546 | 196 | 226 | 372 |
| 60 | 1248 | 080 | 149 | 572 | 459 | 60 | 1942 | 122 | 154 | 640 | 430 | 75 | 222 | 571 | 199 | 211 | 467 |
| 60 | 1249 | 041 | 146 | 500 | 465 | 60 | 1943 | 055 | 158 | 577 | 559 | 75 | 223 | 584 | 205 | 169 | 579 |
| 60 | 1250 | 064 | 157 | 663 | 503 | 60 | 1944 | 011 | 149 | 432 | 594 | 75 | 224 | 620 | 217 | 055 | 666 |
| 60 | 1251 | 175 | 141 | 643 | 411 | 60 | 1945 | 047 | 200 | 570 | 763 | 75 | 225 | 638 | 188 | 095 | 878 |
| 60 | 1252 | 258 | 156 | 772 | 218 | 60 | 1946 | 401 | 250 | 649 | 106 | 75 | 226 | 672 | 196 | 144 | 738 |
| 60 | 1253 | 413 | 182 | 923 | 227 | 75 | 101 | 565 | 149 | 013 | 087 | 75 | 227 | 599 | 170 | 118 | 199 |
| 60 | 1254 | 413 | 173 | 884 | 231 | 75 | 102 | 573 | 161 | 078 | 141 | 75 | 228 | 597 | 178 | 037 | 309 |
| 60 | 1257 | 062 | 144 | 515 | 392 | 75 | 103 | 551 | 164 | 015 | 119 | 75 | 229 | 566 | 221 | 083 | 600 |
| 60 | 1258 | 064 | 165 | 553 | 515 | 75 | 104 | 554 | 169 | 061 | 074 | 75 | 230 | 518 | 188 | 114 | 130 |
| 60 | 1259 | 100 | 158 | 563 | 477 | 75 | 105 | 523 | 166 | 090 | 098 | 75 | 231 | 511 | 193 | 239 | 174 |
| 60 | 1260 | 153 | 149 | 701 | 315 | 75 | 106 | 578 | 161 | 069 | 159 | 75 | 232 | 591 | 189 | 017 | 702 |
| 60 | 1261 | 247 | 152 | 753 | 241 | 75 | 107 | 563 | 148 | 009 | 091 | 75 | 233 | 626 | 203 | 034 | 423 |
| 60 | 1262 | 334 | 162 | 845 | 175 | 75 | 108 | 566 | 160 | 068 | 116 | 75 | 234 | 632 | 202 | 011 | 309 |
| 60 | 1263 | 393 | 171 | 867 | 216 | 75 | 109 | 540 | 167 | 018 | 107 | 75 | 235 | 591 | 173 | 053 | 434 |
| 60 | 1266 | 023 | 153 | 482 | 501 | 75 | 110 | 536 | 171 | 069 | 066 | 75 | 236 | 550 | 176 | 038 | 071 |
| 60 | 1267 | 203 | 158 | 720 | 379 | 75 | 111 | 586 | 183 | 075 | 201 | 75 | 237 | 571 | 178 | 022 | 117 |
| 60 | 1268 | 107 | 181 | 732 | 444 | 75 | 112 | 564 | 160 | 071 | 130 | 75 | 238 | 579 | 225 | 140 | 583 |
| 60 | 1269 | 160 | 147 | 592 | 335 | 75 | 113 | 587 | 149 | 163 | 154 | 75 | 239 | 544 | 215 | 142 | 345 |
| 60 | 1270 | 230 | 142 | 653 | 304 | 75 | 114 | 540 | 162 | 060 | 071 | 75 | 240 | 546 | 199 | 237 | 379 |
| 60 | 1271 | 313 | 154 | 785 | 128 | 75 | 115 | 405 | 145 | 010 | 863 | 75 | 241 | 583 | 194 | 308 | 263 |
| 60 | 1272 | 399 | 190 | 985 | 204 | 75 | 116 | 406 | 141 | 090 | 868 | 75 | 242 | 644 | 225 | 010 | 753 |
| 60 | 1303 | 288 | 146 | 230 | 853 | 75 | 120 | 362 | 131 | 202 | 856 | 75 | 243 | 619 | 184 | 074 | 292 |
| 60 | 1305 | 284 | 153 | 323 | 793 | 75 | 121 | 375 | 146 | 054 | 884 | 75 | 244 | 567 | 191 | 002 | 624 |
| 60 | 1307 | 273 | 146 | 232 | 888 | 75 | 125 | 296 | 129 | 124 | 701 | 75 | 245 | 556 | 183 | 063 | 309 |
| 60 | 1309 | 298 | 169 | 337 | 893 | 75 | 126 | 338 | 143 | 144 | 933 | 75 | 246 | 544 | 186 | 053 | 218 |

| WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN |
|----|-----|--------|-------|-------|--------|----|-----|--------|-------|-------|--------|----|------|--------|-------|-------|--------|
| 75 | 247 | -.537 | .260 | .225 | -1.481 | 75 | 305 | -1.033 | .294 | -.352 | -1.922 | 75 | 946 | -.969 | .188 | -.424 | -1.737 |
| 75 | 248 | -.514 | .232 | .253 | -1.446 | 75 | 306 | -1.004 | .188 | -.403 | -1.675 | 75 | 1107 | -.305 | .147 | -.642 | -.212 |
| 75 | 249 | -.553 | .221 | .171 | -1.254 | 75 | 307 | -1.019 | .205 | -.426 | -1.744 | 75 | 1108 | -.259 | .158 | -.775 | -.297 |
| 75 | 250 | -.587 | .222 | .165 | -1.670 | 75 | 308 | -.970 | .191 | -.331 | -1.769 | 75 | 1109 | -.303 | .165 | -.760 | -.272 |
| 75 | 251 | -.656 | .268 | .114 | -1.704 | 75 | 309 | -.946 | .255 | -.100 | -1.783 | 75 | 1110 | -.392 | .160 | -.954 | -.118 |
| 75 | 252 | -.639 | .286 | .032 | -2.840 | 75 | 901 | -.424 | .195 | -.283 | -1.538 | 75 | 1111 | -.129 | .156 | -.621 | -.328 |
| 75 | 253 | -.596 | .234 | .070 | -1.932 | 75 | 902 | -.912 | .265 | -.228 | -1.975 | 75 | 1116 | -.030 | .143 | -.487 | -.464 |
| 75 | 254 | -.582 | .229 | .042 | -1.691 | 75 | 903 | -.040 | .267 | -.898 | -1.368 | 75 | 1121 | -.002 | .145 | -.550 | -.543 |
| 75 | 255 | -.555 | .222 | .087 | -1.760 | 75 | 904 | -.297 | .194 | -.288 | -1.168 | 75 | 1126 | -.006 | .151 | -.503 | -.514 |
| 75 | 255 | -.508 | .247 | .253 | -1.435 | 75 | 905 | -.628 | .191 | -.006 | -1.536 | 75 | 1136 | .019 | .149 | -.514 | -.478 |
| 75 | 257 | -.499 | .240 | .237 | -1.721 | 75 | 906 | -1.005 | .288 | -.031 | -2.097 | 75 | 1221 | .522 | .170 | 1.090 | -.272 |
| 75 | 258 | -.523 | .240 | .406 | -1.423 | 75 | 907 | -.977 | .310 | -.067 | -1.975 | 75 | 1222 | .354 | .153 | -.892 | -.114 |
| 75 | 259 | -.563 | .267 | .173 | -1.396 | 75 | 908 | -.625 | .270 | -.075 | -1.948 | 75 | 1223 | .323 | .154 | -.814 | -.180 |
| 75 | 260 | -.618 | .252 | .387 | -1.622 | 75 | 909 | -.879 | .201 | -.217 | -2.110 | 75 | 1224 | .317 | .162 | -.956 | -.213 |
| 75 | 261 | -.624 | .259 | .108 | -1.951 | 75 | 910 | -.213 | .192 | -.418 | -1.267 | 75 | 1225 | .392 | .144 | -.872 | -.150 |
| 75 | 262 | -.612 | .257 | .059 | -2.601 | 75 | 911 | -.439 | .151 | -.063 | -1.264 | 75 | 1226 | .557 | .159 | 1.150 | -.001 |
| 75 | 263 | -.377 | .226 | .063 | -1.423 | 75 | 912 | -.984 | .250 | -.127 | -1.858 | 75 | 1227 | .482 | .179 | 1.045 | -.044 |
| 75 | 264 | -.554 | .239 | .270 | -1.924 | 75 | 913 | -.011 | .236 | 1.002 | -1.066 | 75 | 1230 | .118 | .152 | -.650 | -.396 |
| 75 | 265 | -.510 | .263 | .172 | -2.036 | 75 | 914 | -.283 | .162 | .308 | -1.884 | 75 | 1231 | .229 | .150 | -.688 | -.315 |
| 75 | 266 | -.489 | .220 | .184 | -1.377 | 75 | 915 | -.628 | .231 | .180 | -1.474 | 75 | 1232 | .224 | .147 | -.675 | -.234 |
| 75 | 267 | -.520 | .221 | .091 | -1.429 | 75 | 916 | -.780 | .313 | -.021 | -2.048 | 75 | 1233 | .317 | .169 | -.862 | -.379 |
| 75 | 268 | -.560 | .241 | .097 | -1.465 | 75 | 917 | -.666 | .279 | -.075 | -2.334 | 75 | 1234 | .356 | .180 | -.881 | -.148 |
| 75 | 269 | -.584 | .244 | .089 | -1.603 | 75 | 918 | -.558 | .157 | -.052 | -1.125 | 75 | 1235 | .474 | .172 | 1.022 | -.135 |
| 75 | 270 | -.610 | .245 | .072 | -1.922 | 75 | 919 | -.828 | .206 | .009 | -1.528 | 75 | 1236 | .399 | .170 | -.921 | -.178 |
| 75 | 271 | -.593 | .224 | .103 | -1.674 | 75 | 920 | -.351 | .185 | .279 | -1.067 | 75 | 1239 | .211 | .156 | -.712 | -.225 |
| 75 | 272 | -.538 | .222 | .184 | -1.580 | 75 | 921 | -.484 | .235 | .297 | -1.514 | 75 | 1240 | .198 | .143 | -.660 | -.292 |
| 75 | 273 | -.569 | .253 | .206 | -1.566 | 75 | 922 | -1.032 | .354 | .059 | -2.606 | 75 | 1241 | .203 | .151 | -.832 | -.307 |
| 75 | 301 | -.621 | .216 | 1.193 | -.292 | 75 | 923 | .211 | .282 | 1.281 | -.798 | 75 | 1242 | .264 | .162 | -.767 | -.270 |
| 75 | 302 | -.500 | .225 | 1.350 | -.284 | 75 | 924 | -.104 | .177 | .479 | -.962 | 75 | 1243 | .330 | .152 | -.874 | -.120 |
| 75 | 303 | -.780 | .190 | 1.466 | -.087 | 75 | 925 | -.334 | .201 | -.288 | -1.059 | 75 | 1244 | .425 | .170 | -.964 | -.217 |
| 75 | 304 | -.667 | .210 | 1.452 | -.166 | 75 | 926 | -.741 | .203 | -.181 | -1.654 | 75 | 1245 | .368 | .175 | 1.001 | -.217 |
| 75 | 305 | -.697 | .207 | 1.423 | -.040 | 75 | 927 | -.966 | .235 | -.250 | -1.737 | 75 | 1248 | .168 | .155 | -.677 | -.382 |
| 75 | 306 | -.621 | .229 | 1.414 | -.173 | 75 | 928 | -.963 | .196 | -.449 | -1.731 | 75 | 1249 | .171 | .144 | -.607 | -.294 |
| 75 | 307 | -.634 | .197 | 1.286 | -.091 | 75 | 929 | -.321 | .172 | -.189 | -1.076 | 75 | 1250 | .176 | .150 | -.821 | -.392 |
| 75 | 308 | -.630 | .209 | 1.402 | -.004 | 75 | 930 | -.489 | .262 | .272 | -1.677 | 75 | 1251 | .249 | .165 | -.750 | -.229 |
| 75 | 309 | -.571 | .181 | 1.369 | -.063 | 75 | 931 | -1.026 | .303 | .151 | -2.343 | 75 | 1252 | .309 | .148 | -.742 | -.204 |
| 75 | 310 | -.528 | .209 | 1.240 | -.015 | 75 | 932 | -.251 | .210 | 1.110 | -.433 | 75 | 1253 | .372 | .165 | -.853 | -.362 |
| 75 | 311 | -.519 | .189 | 1.167 | -.050 | 75 | 933 | -.061 | .174 | .547 | -.665 | 75 | 1254 | .353 | .170 | -.943 | -.253 |
| 75 | 312 | -.470 | .189 | 1.157 | -.213 | 75 | 934 | -.499 | .199 | -.683 | -1.334 | 75 | 1257 | .153 | .148 | -.810 | -.298 |
| 75 | 313 | -.380 | .151 | 1.968 | -.111 | 75 | 935 | -.962 | .244 | -.203 | -1.900 | 75 | 1258 | .165 | .161 | -.660 | -.409 |
| 75 | 314 | -.345 | .175 | 1.965 | -.218 | 75 | 936 | -1.031 | .192 | -.480 | -2.251 | 75 | 1259 | .185 | .161 | -.635 | -.307 |
| 75 | 401 | -.325 | .281 | 1.492 | -.614 | 75 | 937 | -1.009 | .218 | -.684 | -1.845 | 75 | 1260 | .245 | .166 | -.806 | -.458 |
| 75 | 402 | -.028 | .253 | 1.198 | -.040 | 75 | 938 | -.410 | .163 | -.272 | -1.087 | 75 | 1261 | .286 | .183 | -.953 | -.319 |
| 75 | 403 | -.251 | .391 | 1.450 | -.932 | 75 | 939 | -.364 | .202 | .443 | -1.190 | 75 | 1262 | .343 | .146 | -.830 | -.131 |
| 75 | 404 | -.307 | .214 | 1.010 | -.428 | 75 | 940 | -.674 | .265 | .308 | -1.733 | 75 | 1263 | .352 | .188 | -.851 | -.317 |
| 75 | 405 | -.245 | .205 | 1.954 | -.080 | 75 | 941 | -.488 | .304 | .410 | -1.654 | 75 | 1266 | .146 | .148 | -.677 | -.413 |
| 75 | 501 | -.997 | .208 | -.248 | -1.765 | 75 | 942 | -.544 | .308 | .984 | -1.722 | 75 | 1267 | .247 | .169 | -.954 | -.242 |
| 75 | 502 | -1.041 | .227 | -.381 | -1.890 | 75 | 943 | -.886 | .342 | .380 | -2.201 | 75 | 1268 | .197 | .154 | -.680 | -.257 |
| 75 | 503 | -1.013 | .193 | -.479 | -1.688 | 75 | 944 | -1.046 | .278 | -.336 | -2.686 | 75 | 1269 | .229 | .157 | -.663 | -.394 |
| 75 | 504 | -1.031 | .180 | -.452 | -1.666 | 75 | 945 | -1.005 | .179 | -.433 | -1.627 | 75 | 1270 | .273 | .158 | -.744 | -.208 |

| MD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | MD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | MD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN |
|----|------|--------|-------|-------|-------|----|-----|--------|-------|-------|--------|----|-----|--------|-------|-------|--------|
| 75 | 1271 | .302 | .166 | .881 | -.204 | 90 | 115 | -.259 | .197 | .384 | -1.103 | 90 | 241 | -.243 | .210 | .545 | -1.243 |
| 75 | 1272 | .351 | .164 | .791 | -.189 | 90 | 116 | -.266 | .149 | .191 | -.848 | 90 | 242 | -.406 | .262 | .326 | -1.245 |
| 75 | 1303 | -.021 | .169 | .554 | -.619 | 90 | 120 | -.264 | .136 | .200 | -.823 | 90 | 243 | -.633 | .311 | .381 | -1.155 |
| 75 | 1305 | -.021 | .165 | .572 | -.596 | 90 | 121 | -.252 | .137 | .206 | -.802 | 90 | 244 | -.804 | .261 | .121 | -1.090 |
| 75 | 1307 | -.029 | .144 | .505 | -.516 | 90 | 125 | -.245 | .156 | .210 | -.802 | 90 | 245 | -.752 | .195 | -.099 | -1.573 |
| 75 | 1309 | -.062 | .164 | .480 | -.500 | 90 | 126 | -.253 | .155 | .296 | -.806 | 90 | 246 | -.732 | .193 | -.122 | -1.814 |
| 75 | 1311 | -.051 | .177 | .628 | -.661 | 90 | 130 | -.247 | .148 | .252 | -.908 | 90 | 247 | -.227 | .139 | -.269 | -1.783 |
| 75 | 1313 | -.066 | .177 | .498 | -.636 | 90 | 131 | -.248 | .144 | .223 | -.761 | 90 | 248 | -.161 | .176 | .402 | -.812 |
| 75 | 1911 | .430 | .138 | .842 | -.020 | 90 | 135 | -.252 | .161 | .339 | -.865 | 90 | 249 | -.160 | .185 | .391 | -.820 |
| 75 | 1913 | .256 | .154 | .786 | -.210 | 90 | 136 | -.215 | .202 | .529 | -1.091 | 90 | 250 | -.227 | .222 | .422 | -1.180 |
| 75 | 1914 | .284 | .149 | .967 | -.136 | 90 | 201 | -.239 | .162 | .263 | -1.057 | 90 | 251 | -.346 | .269 | .459 | -1.403 |
| 75 | 1915 | .217 | .171 | .760 | -.681 | 90 | 202 | -.182 | .179 | .431 | -1.009 | 90 | 252 | -.617 | .320 | .316 | -1.689 |
| 75 | 1916 | .229 | .176 | .748 | -.415 | 90 | 203 | -.277 | .290 | .589 | -1.144 | 90 | 253 | -.811 | .353 | .160 | -1.364 |
| 75 | 1917 | .178 | .177 | .802 | -.337 | 90 | 204 | -.788 | .244 | .651 | -1.174 | 90 | 254 | -.760 | .276 | .004 | -1.260 |
| 75 | 1918 | .075 | .207 | .836 | -.590 | 90 | 205 | -.933 | .363 | .449 | -1.263 | 90 | 255 | -.774 | .336 | .083 | -1.758 |
| 75 | 1921 | .323 | .163 | .820 | -.232 | 90 | 206 | -.332 | .351 | .297 | -1.423 | 90 | 256 | -.159 | .149 | .379 | -1.466 |
| 75 | 1923 | .256 | .151 | .775 | -.255 | 90 | 207 | -.495 | .213 | .156 | -1.350 | 90 | 257 | -.155 | .141 | .281 | -1.734 |
| 75 | 1924 | .223 | .157 | .742 | -.351 | 90 | 208 | -.107 | .243 | .411 | -1.197 | 90 | 258 | -.157 | .174 | .357 | -.833 |
| 75 | 1925 | .200 | .192 | .923 | -.739 | 90 | 209 | -.175 | .244 | .018 | -1.097 | 90 | 259 | -.194 | .192 | .409 | -1.158 |
| 75 | 1926 | .169 | .170 | .719 | -.344 | 90 | 210 | -.138 | .149 | .333 | -.819 | 90 | 260 | -.314 | .256 | .365 | -1.169 |
| 75 | 1927 | .114 | .186 | .798 | -.473 | 90 | 211 | -.146 | .146 | .305 | -.733 | 90 | 261 | -.541 | .315 | .411 | -1.620 |
| 75 | 1928 | .015 | .201 | .684 | -.757 | 90 | 212 | -.151 | .201 | .420 | -1.105 | 90 | 262 | -.768 | .320 | .288 | -1.179 |
| 75 | 1930 | .328 | .166 | .905 | -.172 | 90 | 213 | -.193 | .201 | .508 | -1.236 | 90 | 263 | -.811 | .263 | .047 | -1.761 |
| 75 | 1932 | .247 | .166 | .876 | -.313 | 90 | 214 | -.337 | .215 | .466 | -1.895 | 90 | 264 | -.765 | .260 | -.037 | -1.232 |
| 75 | 1933 | .234 | .153 | .728 | -.203 | 90 | 215 | -.581 | .241 | .396 | -1.178 | 90 | 265 | -.157 | .144 | .309 | -.685 |
| 75 | 1934 | .226 | .173 | .793 | -.279 | 90 | 216 | -.679 | .282 | .029 | -1.173 | 90 | 266 | -.159 | .157 | .387 | -1.710 |
| 75 | 1935 | .170 | .169 | .648 | -.373 | 90 | 217 | -.860 | .313 | .090 | -1.136 | 90 | 267 | -.164 | .173 | .394 | -.881 |
| 75 | 1936 | .125 | .175 | .639 | -.686 | 90 | 218 | -.980 | .222 | .363 | -1.191 | 90 | 268 | -.208 | .198 | .370 | -1.191 |
| 75 | 1937 | .000 | .222 | .655 | -.023 | 90 | 219 | -.920 | .205 | .245 | -1.674 | 90 | 269 | -.243 | .212 | .389 | -1.108 |
| 75 | 1939 | .356 | .152 | .906 | -.136 | 90 | 220 | -.065 | .158 | .392 | -1.068 | 90 | 270 | -.410 | .260 | .413 | -1.291 |
| 75 | 1941 | .350 | .151 | .891 | -.124 | 90 | 221 | -.127 | .146 | .337 | -.883 | 90 | 271 | -.713 | .319 | .259 | -1.422 |
| 75 | 1942 | .315 | .149 | .813 | -.134 | 90 | 222 | -.166 | .174 | .415 | -.996 | 90 | 272 | -.768 | .284 | .004 | -1.891 |
| 75 | 1943 | .283 | .151 | .829 | -.203 | 90 | 223 | -.224 | .190 | .359 | -1.098 | 90 | 273 | -.777 | .336 | .016 | -1.250 |
| 75 | 1944 | .228 | .147 | .737 | -.431 | 90 | 224 | -.305 | .220 | .374 | -1.182 | 90 | 301 | -.451 | .222 | .169 | -.260 |
| 75 | 1945 | .185 | .209 | .856 | -.596 | 90 | 225 | -.508 | .251 | .363 | -1.475 | 90 | 302 | -.264 | .199 | .878 | -.344 |
| 90 | 1946 | -.044 | .194 | .677 | -.708 | 90 | 226 | -.893 | .253 | .121 | -1.893 | 90 | 303 | -.816 | .218 | .151 | -.020 |
| 90 | 101 | -.296 | .136 | .237 | -.736 | 90 | 227 | -.922 | .212 | .166 | -1.579 | 90 | 304 | -.313 | .233 | .001 | -.488 |
| 90 | 102 | -.294 | .149 | .263 | -.841 | 90 | 228 | -.971 | .221 | .378 | -1.175 | 90 | 305 | -.748 | .222 | .618 | -.068 |
| 90 | 103 | -.308 | .134 | .281 | -.821 | 90 | 229 | -.290 | .169 | .175 | -.899 | 90 | 306 | -.279 | .201 | .974 | -.315 |
| 90 | 104 | -.298 | .163 | .319 | -.253 | 90 | 230 | -.188 | .157 | .314 | -.751 | 90 | 307 | -.727 | .203 | .315 | -.055 |
| 90 | 105 | -.322 | .195 | .169 | -.603 | 90 | 231 | -.190 | .175 | .385 | -1.299 | 90 | 308 | -.279 | .213 | .970 | -.440 |
| 90 | 106 | -.286 | .157 | .241 | -.980 | 90 | 232 | -.221 | .191 | .361 | -.992 | 90 | 309 | -.652 | .220 | .575 | -.012 |
| 90 | 107 | -.281 | .129 | .138 | -.746 | 90 | 233 | -.367 | .217 | .303 | -1.147 | 90 | 310 | -.242 | .215 | .920 | -.396 |
| 90 | 108 | -.284 | .141 | .267 | -.779 | 90 | 234 | -.662 | .296 | .160 | -1.728 | 90 | 311 | -.554 | .194 | .254 | -.167 |
| 90 | 109 | -.289 | .132 | .237 | -.751 | 90 | 235 | -.825 | .254 | .203 | -1.865 | 90 | 312 | -.151 | .218 | .151 | -.602 |
| 90 | 110 | -.278 | .143 | .180 | -.770 | 90 | 236 | -.803 | .209 | .203 | -1.075 | 90 | 313 | -.361 | .214 | .012 | -.565 |
| 90 | 111 | -.276 | .144 | .191 | -.781 | 90 | 237 | -.785 | .212 | .153 | -.843 | 90 | 314 | -.009 | .191 | .773 | -.669 |
| 90 | 112 | -.279 | .140 | .115 | -.793 | 90 | 238 | -.200 | .150 | .322 | -.711 | 90 | 401 | -.419 | .397 | .678 | -.132 |
| 90 | 113 | -.250 | .143 | .226 | -.760 | 90 | 239 | -.176 | .151 | .405 | -.890 | 90 | 402 | -.194 | .368 | .125 | -.136 |
| 90 | 114 | -.244 | .145 | .206 | -.799 | 90 | 240 | -.188 | .187 | .509 | -1.102 | 90 | 403 | -.239 | .273 | .816 | -.144 |

| MD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | MD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | MD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN |
|----|-----|--------|-------|-------|--------|----|------|--------|-------|-------|--------|-----|------|--------|-------|-------|--------|
| 90 | 404 | - .343 | .245 | .601 | -1.425 | 90 | 940 | - .371 | .220 | 1.062 | -1.268 | 90 | 1263 | .304 | .160 | .842 | - .242 |
| 90 | 405 | - .315 | .244 | .482 | -1.116 | 90 | 941 | - .326 | .313 | .483 | -2.003 | 90 | 1266 | .225 | .154 | .710 | - .332 |
| 90 | 501 | - .610 | .164 | -.094 | -1.316 | 90 | 942 | - .618 | .273 | .195 | -2.259 | 90 | 1267 | .289 | .152 | .791 | - .187 |
| 90 | 502 | - .639 | .172 | -.128 | -1.195 | 90 | 943 | - .739 | .211 | .400 | -1.691 | 90 | 1268 | .259 | .145 | .697 | - .255 |
| 90 | 503 | - .666 | .162 | -.170 | -1.247 | 90 | 944 | - .792 | .171 | -.246 | -1.573 | 90 | 1269 | .308 | .157 | .771 | - .205 |
| 90 | 504 | - .698 | .165 | -.152 | -1.308 | 90 | 945 | - .741 | .170 | -.176 | -1.340 | 90 | 1270 | .299 | .136 | .745 | - .158 |
| 90 | 505 | - .609 | .154 | -.096 | -1.095 | 90 | 946 | - .600 | .171 | .036 | -1.217 | 90 | 1271 | .310 | .136 | .774 | - .104 |
| 90 | 506 | - .642 | .156 | -.146 | -1.232 | 90 | 1107 | .506 | .146 | 1.027 | -.022 | 90 | 1272 | .349 | .130 | .807 | - .200 |
| 90 | 507 | - .650 | .163 | -.113 | -1.219 | 90 | 1108 | .483 | .183 | 1.218 | -.177 | 90 | 1303 | .428 | .169 | 1.036 | - .268 |
| 90 | 508 | - .698 | .178 | -.081 | -1.255 | 90 | 1109 | .464 | .149 | .882 | -.004 | 90 | 1305 | .356 | .184 | .949 | - .274 |
| 90 | 509 | - .663 | .161 | -.135 | -1.312 | 90 | 1110 | .450 | .178 | 1.066 | -.134 | 90 | 1307 | .351 | .165 | .897 | - .207 |
| 90 | 901 | - .083 | .216 | -.630 | -1.399 | 90 | 1111 | .404 | .164 | .941 | -.140 | 90 | 1309 | .316 | .176 | 1.043 | - .298 |
| 90 | 902 | - .594 | .266 | .360 | -1.666 | 90 | 1112 | .197 | .164 | .778 | -.350 | 90 | 1311 | .358 | .148 | .800 | - .203 |
| 90 | 903 | - .099 | .389 | 1.246 | -1.351 | 90 | 1121 | .294 | .163 | .869 | -.266 | 90 | 1313 | .274 | .187 | .826 | - .359 |
| 90 | 904 | - .451 | .276 | .358 | -1.809 | 90 | 1126 | .177 | .148 | .728 | -.387 | 90 | 1911 | .550 | .139 | 1.125 | - .131 |
| 90 | 905 | - .738 | .283 | .215 | -2.170 | 90 | 1136 | .180 | .197 | .889 | -.764 | 90 | 1913 | .449 | .137 | .934 | - .051 |
| 90 | 906 | - .709 | .269 | .363 | -2.113 | 90 | 1221 | .567 | .157 | 1.037 | -.021 | 90 | 1914 | .455 | .149 | 1.038 | - .003 |
| 90 | 907 | - .637 | .205 | .126 | -1.659 | 90 | 1222 | .419 | .155 | .930 | -.058 | 90 | 1915 | .392 | .135 | .893 | - .017 |
| 90 | 908 | - .671 | .225 | .389 | -1.407 | 90 | 1223 | .403 | .150 | .870 | -.240 | 90 | 1916 | .414 | .151 | .915 | - .056 |
| 90 | 909 | - .045 | .215 | -.326 | -2.209 | 90 | 1224 | .400 | .143 | .905 | -.005 | 90 | 1917 | .447 | .161 | .939 | - .090 |
| 90 | 910 | - .048 | .210 | .634 | -1.084 | 90 | 1225 | .419 | .161 | .927 | -.049 | 90 | 1918 | .322 | .175 | 1.138 | - .066 |
| 90 | 911 | - .204 | .180 | .547 | -1.228 | 90 | 1226 | .535 | .177 | 1.050 | -.029 | 90 | 1921 | .473 | .160 | .975 | - .004 |
| 90 | 912 | - .726 | .408 | .434 | -2.337 | 90 | 1227 | .463 | .165 | .967 | -1.178 | 90 | 1923 | .421 | .163 | .910 | - .157 |
| 90 | 913 | - .217 | .365 | 1.315 | -1.148 | 90 | 1230 | .238 | .134 | .708 | -.181 | 90 | 1924 | .429 | .180 | .958 | - .140 |
| 90 | 914 | - .395 | .237 | .479 | -1.536 | 90 | 1231 | .303 | .134 | .794 | -.110 | 90 | 1925 | .384 | .157 | .832 | - .164 |
| 90 | 915 | - .633 | .219 | .250 | -1.377 | 90 | 1232 | .306 | .149 | .782 | -.349 | 90 | 1926 | .402 | .152 | .858 | - .086 |
| 90 | 916 | - .673 | .199 | .092 | -1.436 | 90 | 1233 | .348 | .142 | .822 | -.036 | 90 | 1927 | .398 | .164 | .824 | - .199 |
| 90 | 917 | - .651 | .201 | .119 | -1.447 | 90 | 1234 | .395 | .161 | 1.052 | -.110 | 90 | 1928 | .263 | .210 | .871 | - .454 |
| 90 | 918 | - .562 | .228 | .306 | -1.370 | 90 | 1235 | .425 | .177 | 1.074 | -.183 | 90 | 1930 | .440 | .168 | .997 | - .043 |
| 90 | 919 | - .067 | .231 | -.224 | -2.010 | 90 | 1236 | .351 | .161 | .991 | -.227 | 90 | 1932 | .449 | .168 | 1.146 | - .075 |
| 90 | 920 | - .143 | .214 | .684 | -1.829 | 90 | 1239 | .284 | .138 | .763 | -.244 | 90 | 1933 | .412 | .157 | .878 | - .088 |
| 90 | 921 | - .237 | .211 | .566 | -1.962 | 90 | 1240 | .268 | .135 | .747 | -.180 | 90 | 1934 | .390 | .143 | .952 | - .110 |
| 90 | 922 | - .390 | .275 | .940 | -1.664 | 90 | 1241 | .265 | .150 | .719 | -.200 | 90 | 1935 | .385 | .164 | .889 | - .151 |
| 90 | 923 | - .188 | .247 | .909 | -1.993 | 90 | 1242 | .304 | .133 | .754 | -.159 | 90 | 1936 | .407 | .161 | .882 | - .220 |
| 90 | 924 | - .488 | .235 | .396 | -1.667 | 90 | 1243 | .333 | .163 | .897 | -.224 | 90 | 1937 | .221 | .185 | .917 | - .580 |
| 90 | 925 | - .720 | .225 | .066 | -2.296 | 90 | 1244 | .371 | .163 | .916 | -.253 | 90 | 1939 | .484 | .167 | 1.075 | - .101 |
| 90 | 926 | - .811 | .218 | .152 | -1.774 | 90 | 1245 | .335 | .148 | .837 | -.150 | 90 | 1941 | .442 | .153 | .904 | - .229 |
| 90 | 927 | - .747 | .166 | -.224 | -1.388 | 90 | 1248 | .231 | .166 | .752 | -.354 | 90 | 1942 | .410 | .151 | .887 | - .118 |
| 90 | 928 | - .714 | .183 | -.218 | -1.342 | 90 | 1249 | .224 | .140 | .703 | -.260 | 90 | 1943 | .408 | .161 | .967 | - .142 |
| 90 | 929 | - .220 | .230 | .858 | -1.097 | 90 | 1250 | .248 | .147 | .804 | -.255 | 90 | 1944 | .383 | .162 | .848 | - .138 |
| 90 | 930 | - .251 | .229 | .715 | -1.206 | 90 | 1251 | .293 | .140 | .761 | -.123 | 90 | 1945 | .381 | .192 | .997 | - .162 |
| 90 | 931 | - .330 | .245 | .888 | -1.466 | 90 | 1252 | .324 | .155 | .747 | -1.178 | 90 | 1946 | .221 | .164 | .789 | - .367 |
| 90 | 932 | - .301 | .234 | 1.033 | -1.071 | 90 | 1253 | .325 | .156 | .800 | -.336 | 105 | 101 | -.531 | .250 | .197 | -2.724 |
| 90 | 933 | - .540 | .242 | .824 | -1.399 | 90 | 1254 | .319 | .160 | .829 | -.255 | 105 | 102 | -.510 | .212 | .197 | -2.064 |
| 90 | 934 | - .733 | .209 | .075 | -1.558 | 90 | 1257 | .215 | .134 | .653 | -.260 | 105 | 103 | -.441 | .178 | .168 | -1.414 |
| 90 | 935 | - .841 | .201 | -.237 | -1.759 | 90 | 1258 | .236 | .147 | .817 | -.266 | 105 | 104 | -.404 | .138 | .016 | -1.009 |
| 90 | 936 | - .770 | .195 | -.180 | -1.634 | 90 | 1259 | .254 | .150 | .681 | -.249 | 105 | 105 | -.428 | .137 | .097 | -0.923 |
| 90 | 937 | - .670 | .177 | -.076 | -1.303 | 90 | 1260 | .285 | .144 | .831 | -.178 | 105 | 106 | -.447 | .163 | .069 | -1.084 |
| 90 | 938 | - .303 | .228 | .399 | -1.245 | 90 | 1261 | .312 | .154 | .940 | -.174 | 105 | 107 | -.457 | .167 | .089 | -1.178 |
| 90 | 939 | - .287 | .231 | .970 | -1.281 | 90 | 1262 | .333 | .164 | .888 | -.251 | 105 | 108 | -.433 | .141 | .008 | - .898 |

| WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN |
|-----|-----|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|
| 105 | 109 | -.423 | .137 | .046 | -.904 | 105 | 235 | -.022 | .237 | .662 | -1.293 | 105 | 312 | .049 | .174 | .719 | -.575 |
| 105 | 110 | -.407 | .125 | .022 | -.803 | 105 | 236 | -.520 | .308 | .418 | -1.689 | 105 | 313 | .228 | .225 | .809 | -.586 |
| 105 | 111 | -.435 | .135 | -.010 | -1.020 | 105 | 237 | -.535 | .252 | .224 | -1.764 | 105 | 314 | -.003 | .153 | .642 | -.495 |
| 105 | 112 | -.444 | .163 | .195 | -1.404 | 105 | 238 | -.271 | .118 | .161 | -.772 | 105 | 401 | -.362 | .219 | .460 | -1.423 |
| 105 | 113 | -.420 | .146 | .067 | -.905 | 105 | 239 | -.154 | .115 | -.264 | -.504 | 105 | 402 | -.516 | .275 | .806 | -1.891 |
| 105 | 114 | -.434 | .132 | .003 | -.950 | 105 | 240 | -.079 | .114 | -.271 | -.535 | 105 | 403 | -.312 | .276 | .828 | -1.294 |
| 105 | 115 | -.398 | .155 | .115 | -1.007 | 105 | 241 | -.035 | .125 | -.375 | -.442 | 105 | 404 | -.054 | .233 | .930 | -.919 |
| 105 | 116 | -.342 | .146 | .061 | -.904 | 105 | 242 | -.003 | .113 | -.380 | -.502 | 105 | 405 | -.152 | .214 | .761 | -.970 |
| 105 | 120 | -.366 | .136 | .091 | -.966 | 105 | 243 | -.025 | .132 | -.462 | -.723 | 105 | 501 | -.903 | .176 | -.1 | -1.408 |
| 105 | 121 | -.345 | .142 | .073 | -.870 | 105 | 244 | -.005 | .232 | -.505 | -.923 | 105 | 502 | -.855 | .161 | -.1 | -1.441 |
| 105 | 125 | -.367 | .153 | .126 | -1.033 | 105 | 245 | -.394 | .277 | -.656 | -1.705 | 105 | 503 | -.827 | .159 | -.1 | -1.455 |
| 105 | 126 | -.327 | .160 | .192 | -1.245 | 105 | 246 | -.391 | .222 | -.417 | -.287 | 105 | 504 | -.803 | .195 | -.1 | -1.871 |
| 105 | 130 | -.348 | .146 | .138 | -.834 | 105 | 247 | -.241 | .123 | -.111 | -.634 | 105 | 505 | -.918 | .183 | -.1 | -1.590 |
| 105 | 131 | -.321 | .148 | .121 | -.858 | 105 | 248 | -.144 | .123 | -.313 | -.555 | 105 | 506 | -.814 | .172 | -.1 | -1.323 |
| 105 | 135 | -.328 | .164 | .124 | -.993 | 105 | 249 | -.054 | .122 | -.395 | -.446 | 105 | 507 | -.736 | .185 | -.1 | -1.349 |
| 105 | 139 | -.298 | .149 | .126 | -.924 | 105 | 250 | -.037 | .113 | -.402 | -.560 | 105 | 508 | -.664 | .166 | -.1 | -1.219 |
| 105 | 201 | -.324 | .132 | .140 | -.823 | 105 | 251 | -.002 | .117 | -.395 | -.653 | 105 | 509 | -.634 | .189 | -.1 | -1.692 |
| 105 | 202 | -.227 | .127 | .206 | -.596 | 105 | 252 | -.039 | .147 | -.518 | -.683 | 105 | 901 | -.394 | .264 | -.1 | -1.626 |
| 105 | 203 | -.303 | .216 | -.1 | -1.176 | 105 | 253 | -.014 | .234 | -.495 | -.417 | 105 | 902 | -.310 | .242 | -.1 | -1.496 |
| 105 | 204 | -.648 | .175 | -.083 | -1.284 | 105 | 254 | -.392 | .258 | -.367 | -.489 | 105 | 903 | -.291 | .196 | -.1 | -1.266 |
| 105 | 205 | -.362 | .212 | -.1 | -1.321 | 105 | 255 | -.370 | .260 | -.330 | -.305 | 105 | 904 | -.484 | .196 | -.1 | -1.249 |
| 105 | 206 | -.873 | .241 | -.215 | -2.093 | 105 | 256 | -.159 | .124 | -.325 | -.648 | 105 | 905 | -.566 | .252 | -.1 | -1.547 |
| 105 | 207 | -.444 | .152 | -.099 | -1.048 | 105 | 257 | -.130 | .115 | -.266 | -.513 | 105 | 906 | -.647 | .233 | -.2 | -1.119 |
| 105 | 208 | -.664 | .197 | -.205 | -1.451 | 105 | 258 | -.054 | .106 | -.318 | -.515 | 105 | 907 | -.662 | .209 | -.1 | -1.653 |
| 105 | 209 | -.772 | .179 | -.224 | -1.465 | 105 | 259 | -.031 | .124 | -.431 | -.493 | 105 | 908 | -.635 | .214 | -.1 | -1.781 |
| 105 | 210 | -.210 | .113 | .188 | -.636 | 105 | 260 | -.008 | .122 | -.480 | -.587 | 105 | 909 | -.733 | .223 | -.1 | -1.115 |
| 105 | 211 | -.152 | .120 | .300 | -.548 | 105 | 261 | -.035 | .148 | -.531 | -.899 | 105 | 910 | -.269 | .266 | -.1 | -1.506 |
| 105 | 212 | -.094 | .138 | .327 | -.643 | 105 | 262 | -.024 | .223 | -.511 | -.469 | 105 | 911 | -.352 | .265 | -.1 | -1.340 |
| 105 | 213 | -.074 | .137 | .431 | -.551 | 105 | 263 | -.313 | .269 | -.667 | -.173 | 105 | 912 | -.357 | .275 | -.1 | -1.307 |
| 105 | 214 | -.126 | .134 | .307 | -.673 | 105 | 264 | -.278 | .207 | -.451 | -.086 | 105 | 913 | -.316 | .208 | -.1 | -1.042 |
| 105 | 215 | -.298 | .136 | .149 | -.814 | 105 | 265 | -.134 | .105 | -.246 | -.513 | 105 | 914 | -.531 | .202 | -.1 | -1.492 |
| 105 | 216 | -.253 | .139 | .197 | -.745 | 105 | 266 | -.105 | .117 | -.375 | -.551 | 105 | 915 | -.624 | .210 | -.1 | -1.551 |
| 105 | 217 | -.179 | .165 | .354 | -.963 | 105 | 267 | -.052 | .117 | -.380 | -.509 | 105 | 916 | -.635 | .204 | -.1 | -1.711 |
| 105 | 218 | -.628 | .250 | .379 | -1.525 | 105 | 268 | -.033 | .116 | -.335 | -.431 | 105 | 917 | -.669 | .187 | -.1 | -1.496 |
| 105 | 219 | -.640 | .185 | -.074 | -1.361 | 105 | 269 | -.067 | .120 | -.442 | -.498 | 105 | 918 | -.636 | .183 | -.1 | -1.348 |
| 105 | 220 | -.137 | .120 | .305 | -.504 | 105 | 270 | -.044 | .132 | -.569 | -.446 | 105 | 919 | -.688 | .205 | -.1 | -1.557 |
| 105 | 221 | -.167 | .123 | .249 | -.589 | 105 | 271 | -.049 | .148 | -.589 | -.614 | 105 | 920 | -.141 | .206 | -.1 | -1.942 |
| 105 | 222 | -.087 | .121 | .329 | -.462 | 105 | 272 | -.194 | .265 | -.565 | -.353 | 105 | 921 | -.193 | .244 | -.1 | -1.072 |
| 105 | 223 | -.038 | .114 | .377 | -.469 | 105 | 273 | -.200 | .213 | -.412 | -.023 | 105 | 922 | -.250 | .288 | -.1 | -1.392 |
| 105 | 224 | -.053 | .129 | .433 | -.560 | 105 | 301 | -.304 | .187 | -.916 | -.378 | 105 | 923 | -.220 | .266 | -.1 | -1.634 |
| 105 | 225 | -.044 | .140 | .377 | -.725 | 105 | 302 | -.145 | .175 | -.743 | -.479 | 105 | 924 | -.493 | .229 | -.1 | -1.259 |
| 105 | 226 | -.082 | .221 | .651 | -1.070 | 105 | 303 | -.612 | .212 | 1.331 | -.505 | 105 | 925 | -.593 | .199 | -.1 | -1.514 |
| 105 | 227 | -.534 | .231 | .422 | -.676 | 105 | 304 | -.117 | .178 | 1.691 | -.513 | 105 | 926 | -.789 | .172 | -.1 | -1.488 |
| 105 | 228 | -.526 | .188 | .127 | -.784 | 105 | 305 | -.653 | .212 | 1.329 | -.010 | 105 | 927 | -.799 | .177 | -.1 | -1.541 |
| 105 | 229 | -.498 | .149 | -.056 | -1.019 | 105 | 306 | -.122 | .156 | 1.200 | -.456 | 105 | 928 | -.736 | .194 | -.1 | -1.516 |
| 105 | 230 | -.222 | .127 | .188 | -.689 | 105 | 307 | -.591 | .191 | 1.143 | -.008 | 105 | 929 | -.147 | .160 | -.1 | -1.748 |
| 105 | 231 | -.097 | .109 | .255 | -.538 | 105 | 308 | -.146 | .184 | 1.773 | -.402 | 105 | 930 | -.140 | .203 | -.1 | -1.914 |
| 105 | 232 | -.044 | .107 | .320 | -.386 | 105 | 309 | -.319 | .206 | 1.188 | -.197 | 105 | 931 | -.149 | .223 | -.1 | -1.901 |
| 105 | 233 | -.014 | .116 | .453 | -.502 | 105 | 310 | -.093 | .170 | 1.617 | -.422 | 105 | 932 | -.035 | .260 | -.1 | -1.930 |
| 105 | 234 | -.019 | .147 | .551 | -.533 | 105 | 311 | -.441 | .204 | 1.987 | -.560 | 105 | 933 | -.328 | .234 | -.1 | -1.127 |

| MD | TAP | CPMEAN | CPRNS | CPHAX | CPMIN | MD | TAP | CPMEAN | CPRNS | CPHAX | CPMIN | MD | TAP | CPMEAN | CPRNS | CPHAX | CPMIN |
|-----|------|--------|-------|-------|--------|-----|------|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|
| 105 | 934 | -.691 | .216 | -.275 | -1.480 | 105 | 1257 | .063 | .138 | -.510 | -.370 | 120 | 103 | -.659 | .150 | -.124 | -1.132 |
| 105 | 935 | -.855 | .184 | -.170 | -1.944 | 105 | 1258 | -.067 | .131 | -.535 | -.519 | 120 | 104 | -.703 | .174 | -.081 | -1.325 |
| 105 | 936 | -.863 | .182 | -.266 | -1.427 | 105 | 1259 | -.060 | .134 | -.564 | -.408 | 120 | 105 | -.742 | .172 | -.186 | -1.404 |
| 105 | 937 | -.791 | .178 | -.266 | -1.453 | 105 | 1260 | -.065 | .139 | -.521 | -.383 | 120 | 106 | -.629 | .149 | -.117 | -1.152 |
| 105 | 938 | -.286 | .148 | -.179 | -.777 | 105 | 1261 | -.057 | .150 | -.492 | -.430 | 120 | 107 | -.622 | .141 | -.126 | -1.071 |
| 105 | 939 | -.247 | .168 | -.654 | -.866 | 105 | 1262 | -.042 | .153 | -.384 | -.492 | 120 | 108 | -.674 | .135 | -.201 | -1.131 |
| 105 | 940 | -.561 | .260 | -.423 | -1.663 | 105 | 1263 | -.032 | .141 | -.476 | -.435 | 120 | 109 | -.708 | .153 | -.215 | -1.192 |
| 105 | 941 | -.327 | .230 | -.535 | -1.131 | 105 | 1266 | -.081 | .138 | -.604 | -.403 | 120 | 110 | -.719 | .172 | -.102 | -1.310 |
| 105 | 942 | -.607 | .328 | -.519 | -1.834 | 105 | 1267 | -.083 | .120 | -.455 | -.347 | 120 | 111 | -.635 | .143 | -.164 | -1.192 |
| 105 | 943 | -.998 | .387 | -.511 | -2.570 | 105 | 1268 | -.074 | .131 | -.521 | -.399 | 120 | 112 | -.670 | .142 | -.253 | -1.170 |
| 105 | 944 | -.607 | .260 | -.373 | -2.128 | 105 | 1269 | -.074 | .147 | -.598 | -.566 | 120 | 113 | -.661 | .132 | -.188 | -1.073 |
| 105 | 945 | -.916 | .176 | -.373 | -1.537 | 105 | 1270 | -.058 | .147 | -.557 | -.387 | 120 | 114 | -.708 | .159 | -.238 | -1.327 |
| 105 | 946 | -.938 | .206 | -.183 | -1.559 | 105 | 1271 | -.050 | .159 | -.596 | -.605 | 120 | 115 | -.535 | .151 | -.083 | -1.204 |
| 105 | 1107 | -.448 | .153 | -.895 | -.005 | 105 | 1272 | -.038 | .152 | -.521 | -.442 | 120 | 116 | -.530 | .150 | -.067 | -1.052 |
| 105 | 1108 | -.466 | .160 | -.997 | -.078 | 105 | 1303 | -.456 | .155 | -.971 | -.031 | 120 | 120 | -.544 | .154 | -.067 | -1.194 |
| 105 | 1109 | -.382 | .150 | -.879 | -.144 | 105 | 1305 | -.418 | .163 | -.944 | -.064 | 120 | 121 | -.525 | .136 | -.112 | -1.083 |
| 105 | 1110 | -.414 | .147 | -.889 | -.123 | 105 | 1307 | -.374 | .147 | -.828 | -.266 | 120 | 125 | -.452 | .132 | -.010 | -.868 |
| 105 | 1111 | -.342 | .146 | -.791 | -.109 | 105 | 1309 | -.331 | .148 | -.805 | -.154 | 120 | 126 | -.425 | .136 | -.002 | -1.085 |
| 105 | 1116 | -.113 | .137 | -.644 | -.326 | 105 | 1311 | -.369 | .135 | -.838 | -.127 | 120 | 130 | -.413 | .141 | -.090 | -.930 |
| 105 | 1121 | -.318 | .166 | -.820 | -.186 | 105 | 1313 | -.310 | .153 | -.789 | -.266 | 120 | 131 | -.403 | .145 | -.042 | -1.577 |
| 105 | 1126 | -.127 | .139 | -.821 | -.293 | 105 | 1911 | -.490 | .138 | -.912 | -.057 | 120 | 135 | -.468 | .170 | -.128 | -1.218 |
| 105 | 1136 | -.115 | .128 | -.543 | -.283 | 105 | 1913 | -.387 | .142 | -.903 | -.117 | 120 | 136 | -.393 | .151 | -.154 | -1.012 |
| 105 | 1221 | -.318 | .143 | -.781 | -.177 | 105 | 1914 | -.371 | .157 | -.895 | -.115 | 120 | 201 | -.542 | .133 | -.075 | -1.026 |
| 105 | 1222 | -.277 | .143 | -.722 | -.252 | 105 | 1915 | -.313 | .148 | -.826 | -.191 | 120 | 202 | -.373 | .132 | -.129 | -.866 |
| 105 | 1223 | -.253 | .130 | -.672 | -.193 | 105 | 1916 | -.355 | .155 | -.916 | -.170 | 120 | 203 | -.242 | .177 | -.608 | -1.026 |
| 105 | 1224 | -.214 | .141 | -.647 | -.254 | 105 | 1917 | -.430 | .145 | -.871 | -.058 | 120 | 204 | -.606 | .158 | -.129 | -1.328 |
| 105 | 1225 | -.220 | .141 | -.659 | -.270 | 105 | 1918 | -.495 | .162 | -.004 | -.139 | 120 | 205 | -.046 | .187 | -.625 | -.700 |
| 105 | 1226 | -.199 | .173 | -.744 | -.466 | 105 | 1921 | -.398 | .151 | -.912 | -.115 | 120 | 206 | -.433 | .242 | -.819 | -1.294 |
| 105 | 1227 | -.018 | .161 | -.595 | -.489 | 105 | 1923 | -.376 | .144 | -.920 | -.160 | 120 | 207 | -.449 | .147 | -.601 | -1.143 |
| 105 | 1230 | -.085 | .129 | -.570 | -.358 | 105 | 1924 | -.322 | .149 | -.807 | -.201 | 120 | 208 | -.286 | .286 | -.615 | -1.486 |
| 105 | 1231 | -.121 | .118 | -.521 | -.297 | 105 | 1925 | -.295 | .146 | -.938 | -.205 | 120 | 209 | -.512 | .251 | -.694 | -1.897 |
| 105 | 1232 | -.131 | .127 | -.555 | -.299 | 105 | 1926 | -.310 | .152 | -.797 | -.234 | 120 | 210 | -.415 | .125 | -.654 | -.932 |
| 105 | 1233 | -.152 | .139 | -.666 | -.354 | 105 | 1927 | -.362 | .154 | -.889 | -.189 | 120 | 211 | -.183 | .130 | -.278 | -.582 |
| 105 | 1234 | -.129 | .138 | -.591 | -.376 | 105 | 1928 | -.291 | .216 | -.895 | -.428 | 120 | 212 | -.062 | .138 | -.442 | -.617 |
| 105 | 1235 | -.066 | .160 | -.729 | -.457 | 105 | 1930 | -.384 | .149 | -.903 | -.070 | 120 | 213 | -.104 | .141 | -.334 | -.661 |
| 105 | 1236 | -.048 | .145 | -.548 | -.390 | 105 | 1932 | -.368 | .190 | -.957 | -.358 | 120 | 214 | -.131 | .136 | -.312 | -.565 |
| 105 | 1239 | -.073 | .133 | -.552 | -.378 | 105 | 1933 | -.289 | .140 | -.742 | -.201 | 120 | 215 | -.388 | .145 | -.078 | -.815 |
| 105 | 1240 | -.064 | .127 | -.491 | -.378 | 105 | 1934 | -.288 | .152 | -.764 | -.260 | 120 | 216 | -.351 | .150 | -.089 | -.968 |
| 105 | 1241 | -.063 | .140 | -.571 | -.338 | 105 | 1935 | -.279 | .148 | -.693 | -.231 | 120 | 217 | -.211 | .155 | -.327 | -.683 |
| 105 | 1242 | -.074 | .139 | -.433 | -.500 | 105 | 1936 | -.299 | .154 | -.777 | -.334 | 120 | 218 | -.149 | .177 | -.706 | -.774 |
| 105 | 1243 | -.073 | .138 | -.483 | -.461 | 105 | 1937 | -.089 | .208 | 1.098 | -.714 | 120 | 219 | -.044 | .307 | 1.045 | -1.008 |
| 105 | 1244 | -.055 | .137 | -.568 | -.439 | 105 | 1939 | -.378 | .132 | -.785 | -.142 | 120 | 220 | -.346 | .120 | -.027 | -.729 |
| 105 | 1245 | -.047 | .147 | -.620 | -.478 | 105 | 1941 | -.335 | .137 | -.797 | -.148 | 120 | 221 | -.256 | .123 | -.214 | -.640 |
| 105 | 1248 | -.061 | .131 | -.512 | -.415 | 105 | 1942 | -.289 | .124 | -.701 | -.232 | 120 | 222 | -.000 | .138 | -.484 | -.494 |
| 105 | 1249 | -.063 | .130 | -.478 | -.396 | 105 | 1943 | -.265 | .151 | -.732 | -.187 | 120 | 223 | -.073 | .136 | -.546 | -.353 |
| 105 | 1250 | -.062 | .127 | -.471 | -.387 | 105 | 1944 | -.242 | .129 | -.662 | -.203 | 120 | 224 | -.106 | .149 | -.527 | -.431 |
| 105 | 1251 | -.061 | .139 | -.442 | -.440 | 105 | 1945 | -.202 | .161 | -.691 | -.332 | 120 | 225 | -.159 | .151 | -.628 | -.302 |
| 105 | 1252 | -.049 | .153 | -.507 | -.449 | 105 | 1946 | -.031 | .185 | -.719 | -.675 | 120 | 226 | -.242 | .167 | -.816 | -.327 |
| 105 | 1253 | -.039 | .151 | -.525 | -.412 | 120 | 101 | -.595 | .145 | -.073 | -1.135 | 120 | 227 | -.413 | .229 | 1.169 | -1.181 |
| 105 | 1254 | -.054 | .152 | -.521 | -.485 | 120 | 102 | -.603 | .137 | -.192 | -1.099 | 120 | 228 | -.345 | .290 | 1.094 | -.704 |

| WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN |
|-----|-----|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|-----|------|--------|-------|-------|--------|
| 120 | 229 | 610 | 144 | 076 | -1.156 | 120 | 306 | 060 | 145 | 495 | -557 | 120 | 928 | 809 | 215 | 148 | -1.918 |
| 120 | 230 | 211 | 131 | 231 | -718 | 120 | 307 | 426 | 221 | 1.180 | -436 | 120 | 929 | 377 | 140 | 159 | -851 |
| 120 | 231 | 020 | 135 | 350 | -403 | 120 | 308 | 047 | 156 | 559 | -555 | 120 | 930 | 409 | 153 | 050 | -985 |
| 120 | 232 | 105 | 139 | 630 | -319 | 120 | 309 | 320 | 260 | 1.013 | -1.407 | 120 | 931 | 924 | 225 | 165 | -1.652 |
| 120 | 233 | 187 | 132 | 660 | -262 | 120 | 310 | 042 | 154 | 559 | -548 | 120 | 932 | 096 | 153 | 695 | -495 |
| 120 | 234 | 286 | 140 | 694 | -211 | 120 | 311 | 256 | 291 | 930 | -1.014 | 120 | 933 | 023 | 142 | 541 | -546 |
| 120 | 235 | 339 | 160 | 856 | -281 | 120 | 312 | 084 | 147 | 487 | -512 | 120 | 934 | 135 | 178 | 411 | -708 |
| 120 | 236 | 516 | 197 | 1.114 | -945 | 120 | 313 | 049 | 223 | 665 | -777 | 120 | 935 | 628 | 218 | 044 | -1.452 |
| 120 | 237 | 483 | 264 | 1.132 | -619 | 120 | 314 | 077 | 151 | 436 | -516 | 120 | 936 | 066 | 205 | 300 | -1.887 |
| 120 | 238 | 207 | 122 | 242 | -646 | 120 | 401 | 051 | 167 | 699 | -704 | 120 | 937 | 944 | 194 | 221 | -1.652 |
| 120 | 239 | 081 | 119 | 360 | -539 | 120 | 402 | 013 | 189 | 677 | -827 | 120 | 938 | 592 | 180 | 159 | -1.581 |
| 120 | 240 | 062 | 128 | 448 | -481 | 120 | 403 | 165 | 200 | 870 | -535 | 120 | 939 | 672 | 289 | 194 | -1.855 |
| 120 | 241 | 133 | 130 | 582 | -255 | 120 | 404 | 109 | 181 | 959 | -460 | 120 | 940 | 265 | 345 | 281 | -2.745 |
| 120 | 242 | 208 | 124 | 560 | -293 | 120 | 405 | 004 | 172 | 687 | -605 | 120 | 941 | 132 | 171 | 577 | -651 |
| 120 | 243 | 291 | 153 | 867 | -173 | 120 | 501 | -1.245 | 202 | -630 | -1.910 | 120 | 942 | 371 | 171 | 138 | -1.014 |
| 120 | 244 | 368 | 163 | 914 | -084 | 120 | 502 | -1.128 | 174 | -527 | -1.694 | 120 | 943 | 552 | 199 | 093 | -1.348 |
| 120 | 245 | 519 | 198 | 1.099 | -499 | 120 | 503 | -1.017 | 173 | 432 | -1.854 | 120 | 944 | 887 | 293 | 111 | -2.562 |
| 120 | 246 | 356 | 249 | 1.184 | -472 | 120 | 504 | -1.010 | 190 | 386 | -1.706 | 120 | 945 | 498 | 348 | 529 | -3.375 |
| 120 | 247 | 230 | 124 | 157 | -678 | 120 | 505 | -1.046 | 194 | 422 | -1.765 | 120 | 946 | 090 | 188 | 396 | -1.810 |
| 120 | 248 | 068 | 119 | 334 | -452 | 120 | 506 | -0.965 | 191 | -236 | -1.628 | 120 | 1107 | 361 | 158 | 866 | -2.253 |
| 120 | 249 | 067 | 120 | 430 | -315 | 120 | 507 | 869 | 199 | 174 | -1.391 | 120 | 1108 | 422 | 164 | 1.004 | -0.999 |
| 120 | 250 | 136 | 128 | 668 | -293 | 120 | 508 | 706 | 202 | 666 | -1.388 | 120 | 1109 | 276 | 143 | 812 | -1.181 |
| 120 | 251 | 204 | 136 | 670 | -224 | 120 | 509 | 669 | 189 | 020 | -1.301 | 120 | 1110 | 264 | 175 | 840 | -3.40 |
| 120 | 252 | 293 | 152 | 844 | -169 | 120 | 901 | 342 | 146 | 201 | -881 | 120 | 1111 | 204 | 156 | 679 | -3.32 |
| 120 | 253 | 348 | 161 | 827 | -251 | 120 | 902 | 293 | 175 | 586 | -934 | 120 | 1116 | 029 | 146 | 504 | -3.73 |
| 120 | 254 | 393 | 212 | 080 | -336 | 120 | 903 | 121 | 157 | 620 | -680 | 120 | 1121 | 283 | 176 | 946 | -3.20 |
| 120 | 255 | 286 | 269 | 1.102 | -776 | 120 | 904 | 461 | 151 | 086 | -960 | 120 | 1126 | 020 | 133 | 552 | -4.28 |
| 120 | 256 | 131 | 114 | 197 | -502 | 120 | 905 | 604 | 143 | 003 | -1.073 | 120 | 1136 | 001 | 144 | 562 | -5.37 |
| 120 | 257 | 062 | 122 | 320 | -454 | 120 | 906 | 666 | 154 | 150 | -1.303 | 120 | 1221 | 183 | 140 | 591 | -3.40 |
| 120 | 258 | 086 | 118 | 495 | -382 | 120 | 907 | 599 | 153 | 105 | -1.120 | 120 | 1222 | 030 | 143 | 542 | -4.83 |
| 120 | 259 | 140 | 122 | 685 | -277 | 120 | 908 | 600 | 164 | 013 | -1.269 | 120 | 1223 | 953 | 134 | 373 | -5.15 |
| 120 | 260 | 224 | 128 | 645 | -249 | 120 | 909 | 646 | 174 | 075 | -1.589 | 120 | 1224 | 154 | 169 | 346 | -7.72 |
| 120 | 261 | 271 | 150 | 850 | -317 | 120 | 910 | 168 | 133 | 330 | -577 | 120 | 1225 | 242 | 168 | 373 | -8.34 |
| 120 | 262 | 351 | 164 | 913 | -164 | 120 | 911 | 275 | 150 | 515 | -817 | 120 | 1226 | 283 | 154 | 279 | -8.32 |
| 120 | 263 | 396 | 181 | 985 | -264 | 120 | 912 | 402 | 247 | 512 | -1.370 | 120 | 1227 | 294 | 145 | 192 | -7.78 |
| 120 | 264 | 258 | 226 | 1.083 | -395 | 120 | 913 | 050 | 182 | 630 | -779 | 120 | 1230 | 116 | 139 | 264 | -6.82 |
| 120 | 265 | 083 | 116 | 304 | -570 | 120 | 914 | 305 | 160 | 387 | -860 | 120 | 1231 | 150 | 130 | 292 | -5.88 |
| 120 | 266 | 025 | 118 | 377 | -452 | 120 | 915 | 593 | 191 | 186 | -1.289 | 120 | 1232 | 198 | 150 | 265 | -7.85 |
| 120 | 267 | 088 | 133 | 487 | -310 | 120 | 916 | 808 | 159 | 164 | -1.316 | 120 | 1233 | 258 | 162 | 269 | -8.27 |
| 120 | 268 | 169 | 139 | 622 | -277 | 120 | 917 | 700 | 155 | 199 | -1.200 | 120 | 1234 | 283 | 142 | 209 | -8.92 |
| 120 | 269 | 224 | 144 | 930 | -236 | 120 | 918 | 649 | 167 | 081 | -1.237 | 120 | 1235 | 271 | 142 | 228 | -6.86 |
| 120 | 270 | 306 | 149 | 802 | -099 | 120 | 919 | 613 | 159 | 134 | -1.259 | 120 | 1236 | 270 | 140 | 164 | -7.35 |
| 120 | 271 | 374 | 139 | 913 | -183 | 120 | 920 | 211 | 142 | 251 | -690 | 120 | 1239 | 225 | 128 | 224 | -6.12 |
| 120 | 272 | 377 | 175 | 975 | -194 | 120 | 921 | 267 | 161 | 409 | -860 | 120 | 1240 | 234 | 134 | 211 | -6.71 |
| 120 | 273 | 316 | 164 | 875 | -338 | 120 | 922 | 640 | 252 | 336 | -1.583 | 120 | 1241 | 255 | 146 | 228 | -6.89 |
| 120 | 301 | 105 | 209 | 890 | -983 | 120 | 923 | 115 | 170 | 857 | -515 | 120 | 1242 | 274 | 148 | 233 | -7.53 |
| 120 | 302 | 005 | 153 | 615 | -812 | 120 | 924 | 053 | 175 | 594 | -1.002 | 120 | 1243 | 274 | 152 | 275 | -7.53 |
| 120 | 303 | 346 | 333 | 1.155 | -1.060 | 120 | 925 | 336 | 214 | 328 | -1.263 | 120 | 1244 | 263 | 139 | 160 | -6.97 |
| 120 | 304 | 062 | 152 | 547 | -560 | 120 | 926 | 862 | 226 | 069 | -1.537 | 120 | 1245 | 270 | 142 | 248 | -7.33 |
| 120 | 305 | 450 | 211 | 1.048 | -631 | 120 | 927 | 925 | 179 | 266 | -1.571 | 120 | 1248 | 191 | 137 | 247 | -6.61 |

| WD | TAP | CPNEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPNEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPNEAN | CPRMS | CPMAX | CPMIN |
|-----|------|--------|-------|-------|-------|-----|------|--------|-------|-------|-------|-----|-----|--------|-------|-------|-------|
| 120 | 1249 | 207 | 140 | 217 | 697 | 120 | 1943 | 045 | 152 | 464 | 533 | 135 | 223 | 210 | 151 | 768 | 211 |
| 120 | 1250 | 240 | 158 | 194 | 795 | 120 | 1944 | 003 | 143 | 418 | 466 | 135 | 224 | 269 | 146 | 728 | 227 |
| 120 | 1251 | 263 | 156 | 376 | 759 | 120 | 1945 | 050 | 163 | 380 | 581 | 135 | 225 | 340 | 167 | 825 | 223 |
| 120 | 1252 | 292 | 155 | 181 | 821 | 120 | 1946 | 306 | 197 | 370 | 953 | 135 | 226 | 460 | 183 | 079 | 193 |
| 120 | 1253 | 273 | 148 | 267 | 804 | 135 | 101 | 765 | 152 | 268 | 313 | 135 | 227 | 707 | 185 | 346 | 089 |
| 120 | 1254 | 268 | 138 | 188 | 765 | 135 | 102 | 817 | 169 | 226 | 440 | 135 | 228 | 695 | 212 | 247 | 020 |
| 120 | 1257 | 146 | 149 | 346 | 704 | 135 | 103 | 884 | 201 | 050 | 760 | 135 | 229 | 488 | 139 | 031 | 998 |
| 120 | 1258 | 211 | 160 | 200 | 787 | 135 | 104 | 902 | 215 | 136 | 822 | 135 | 230 | 083 | 130 | 599 | 471 |
| 120 | 1259 | 256 | 151 | 230 | 921 | 135 | 105 | 836 | 227 | 157 | 916 | 135 | 231 | 180 | 131 | 610 | 238 |
| 120 | 1260 | 289 | 157 | 301 | 798 | 135 | 106 | 761 | 176 | 111 | 553 | 135 | 232 | 310 | 153 | 867 | 141 |
| 120 | 1261 | 284 | 165 | 203 | 879 | 135 | 107 | 752 | 179 | 076 | 334 | 135 | 233 | 390 | 152 | 956 | 031 |
| 120 | 1262 | 271 | 150 | 209 | 819 | 135 | 108 | 763 | 209 | 140 | 690 | 135 | 234 | 479 | 149 | 933 | 027 |
| 120 | 1263 | 271 | 141 | 222 | 759 | 135 | 109 | 725 | 173 | 105 | 365 | 135 | 235 | 606 | 165 | 105 | 098 |
| 120 | 1266 | 184 | 141 | 286 | 659 | 135 | 110 | 738 | 157 | 179 | 272 | 135 | 236 | 740 | 174 | 1278 | 174 |
| 120 | 1267 | 229 | 162 | 269 | 932 | 135 | 111 | 627 | 153 | 072 | 214 | 135 | 237 | 691 | 222 | 354 | 026 |
| 120 | 1268 | 261 | 152 | 271 | 767 | 135 | 112 | 665 | 171 | 021 | 222 | 135 | 238 | 191 | 122 | 266 | 565 |
| 120 | 1269 | 276 | 163 | 329 | 862 | 135 | 113 | 726 | 169 | 206 | 269 | 135 | 239 | 014 | 120 | 436 | 417 |
| 120 | 1270 | 282 | 152 | 250 | 834 | 135 | 114 | 804 | 174 | 300 | 364 | 135 | 240 | 200 | 138 | 743 | 250 |
| 120 | 1271 | 285 | 150 | 254 | 776 | 135 | 115 | 633 | 147 | 175 | 138 | 135 | 241 | 313 | 136 | 838 | 151 |
| 120 | 1272 | 278 | 158 | 307 | 755 | 135 | 116 | 574 | 147 | 064 | 060 | 135 | 242 | 378 | 155 | 041 | 106 |
| 120 | 1303 | 552 | 185 | 069 | 089 | 135 | 120 | 663 | 140 | 116 | 247 | 135 | 243 | 468 | 158 | 007 | 080 |
| 120 | 1305 | 475 | 151 | 910 | 018 | 135 | 121 | 644 | 156 | 126 | 097 | 135 | 244 | 564 | 167 | 176 | 154 |
| 120 | 1307 | 464 | 158 | 093 | 006 | 135 | 125 | 578 | 143 | 099 | 089 | 135 | 245 | 647 | 190 | 490 | 114 |
| 120 | 1309 | 403 | 157 | 932 | 077 | 135 | 126 | 527 | 142 | 048 | 973 | 135 | 246 | 584 | 228 | 133 | 124 |
| 120 | 1311 | 423 | 144 | 946 | 057 | 135 | 130 | 522 | 145 | 038 | 947 | 135 | 247 | 200 | 122 | 261 | 635 |
| 120 | 1313 | 294 | 153 | 859 | 191 | 135 | 131 | 489 | 136 | 041 | 946 | 135 | 248 | 007 | 126 | 466 | 475 |
| 120 | 1911 | 420 | 147 | 942 | 018 | 135 | 135 | 489 | 132 | 040 | 998 | 135 | 249 | 211 | 141 | 671 | 299 |
| 120 | 1913 | 294 | 142 | 761 | 259 | 135 | 136 | 473 | 143 | 029 | 961 | 135 | 250 | 279 | 146 | 834 | 175 |
| 120 | 1914 | 247 | 133 | 671 | 266 | 135 | 201 | 469 | 143 | 061 | 032 | 135 | 251 | 371 | 142 | 809 | 053 |
| 120 | 1915 | 191 | 125 | 586 | 263 | 135 | 202 | 270 | 158 | 254 | 989 | 135 | 252 | 415 | 155 | 969 | 001 |
| 120 | 1916 | 262 | 130 | 651 | 187 | 135 | 203 | 045 | 174 | 535 | 681 | 135 | 253 | 314 | 167 | 043 | 017 |
| 120 | 1917 | 343 | 139 | 803 | 089 | 135 | 204 | 402 | 231 | 711 | 087 | 135 | 254 | 546 | 176 | 156 | 010 |
| 120 | 1918 | 470 | 171 | 958 | 175 | 135 | 205 | 353 | 186 | 970 | 398 | 135 | 255 | 528 | 184 | 206 | 088 |
| 120 | 1921 | 299 | 175 | 878 | 286 | 135 | 206 | 187 | 342 | 361 | 818 | 135 | 256 | 098 | 124 | 282 | 478 |
| 120 | 1923 | 237 | 153 | 799 | 189 | 135 | 207 | 624 | 175 | 042 | 417 | 135 | 257 | 011 | 125 | 491 | 422 |
| 120 | 1924 | 195 | 143 | 651 | 270 | 135 | 208 | 384 | 248 | 1254 | 313 | 135 | 258 | 209 | 131 | 581 | 309 |
| 120 | 1925 | 170 | 156 | 609 | 268 | 135 | 209 | 132 | 443 | 1160 | 714 | 135 | 259 | 290 | 136 | 772 | 105 |
| 120 | 1926 | 191 | 147 | 687 | 259 | 135 | 210 | 338 | 123 | 199 | 708 | 135 | 260 | 381 | 142 | 867 | 160 |
| 120 | 1927 | 251 | 164 | 757 | 304 | 135 | 211 | 037 | 142 | 482 | 485 | 135 | 261 | 430 | 158 | 010 | 097 |
| 120 | 1928 | 307 | 200 | 860 | 525 | 135 | 212 | 079 | 152 | 658 | 475 | 135 | 262 | 480 | 153 | 073 | 058 |
| 120 | 1930 | 283 | 158 | 795 | 195 | 135 | 213 | 066 | 140 | 519 | 510 | 135 | 263 | 482 | 179 | 204 | 051 |
| 120 | 1932 | 245 | 142 | 709 | 286 | 135 | 214 | 150 | 136 | 377 | 617 | 135 | 264 | 437 | 195 | 141 | 136 |
| 120 | 1933 | 141 | 125 | 576 | 316 | 135 | 215 | 320 | 157 | 200 | 872 | 135 | 265 | 059 | 112 | 350 | 467 |
| 120 | 1934 | 127 | 147 | 536 | 312 | 135 | 216 | 303 | 162 | 280 | 895 | 135 | 266 | 048 | 134 | 622 | 415 |
| 120 | 1935 | 120 | 139 | 597 | 342 | 135 | 217 | 186 | 167 | 410 | 804 | 135 | 267 | 235 | 134 | 666 | 225 |
| 120 | 1936 | 158 | 146 | 633 | 286 | 135 | 218 | 347 | 189 | 932 | 313 | 135 | 268 | 353 | 135 | 836 | 103 |
| 120 | 1937 | 103 | 266 | 655 | 878 | 135 | 219 | 501 | 228 | 105 | 291 | 135 | 269 | 394 | 147 | 881 | 132 |
| 120 | 1939 | 212 | 173 | 739 | 376 | 135 | 220 | 293 | 126 | 199 | 683 | 135 | 270 | 463 | 157 | 000 | 029 |
| 120 | 1941 | 187 | 152 | 671 | 386 | 135 | 221 | 112 | 128 | 292 | 543 | 135 | 271 | 522 | 175 | 114 | 034 |
| 120 | 1942 | 086 | 139 | 440 | 354 | 135 | 222 | 151 | 152 | 596 | 428 | 135 | 272 | 463 | 169 | 005 | 133 |

| WD | TAP | CPNEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPNEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPNEAN | CPRMS | CPMAX | CPMIN |
|-----|-----|--------|-------|-------|--------|-----|------|--------|-------|-------|--------|-----|------|--------|-------|-------|-------|
| 135 | 273 | .284 | .170 | .921 | -.316 | 135 | 922 | -.824 | .344 | .254 | -2.559 | 135 | 1241 | -.379 | .125 | .059 | -.815 |
| 135 | 301 | .278 | .203 | .307 | -.041 | 135 | 923 | -.007 | .209 | .616 | -.689 | 135 | 1242 | -.386 | .133 | .048 | -.874 |
| 135 | 302 | .191 | .151 | .252 | -.811 | 135 | 924 | -.181 | .147 | .373 | -.847 | 135 | 1243 | -.374 | .126 | .031 | -.753 |
| 135 | 303 | .568 | .397 | .934 | -.1 | 135 | 925 | -.242 | .137 | .222 | -.020 | 135 | 1244 | -.372 | .131 | .093 | -.773 |
| 135 | 304 | .257 | .136 | .143 | -.893 | 135 | 926 | -.441 | .178 | .157 | -.136 | 135 | 1245 | -.358 | .137 | .098 | -.824 |
| 135 | 305 | .385 | .422 | .777 | -.721 | 135 | 927 | -.963 | .183 | -.361 | -.1729 | 135 | 1248 | -.350 | .132 | .077 | -.863 |
| 135 | 306 | .272 | .139 | .149 | -.770 | 135 | 928 | -.903 | .167 | -.367 | -.1684 | 135 | 1249 | -.364 | .135 | .224 | -.810 |
| 135 | 307 | .351 | .436 | .047 | -.647 | 135 | 929 | -.566 | .180 | .026 | -.177 | 135 | 1250 | -.367 | .141 | .137 | -.807 |
| 135 | 308 | .263 | .141 | .222 | -.005 | 135 | 930 | -.556 | .224 | .185 | -.1791 | 135 | 1251 | -.374 | .131 | .148 | -.799 |
| 135 | 309 | .332 | .455 | .715 | -.678 | 135 | 931 | -.923 | .397 | .215 | -2.195 | 135 | 1252 | -.363 | .133 | .070 | -.780 |
| 135 | 310 | .268 | .136 | .229 | -.872 | 135 | 932 | -.064 | .233 | .701 | -.1249 | 135 | 1253 | -.373 | .134 | .057 | -.814 |
| 135 | 311 | .534 | .420 | .703 | -.903 | 135 | 933 | -.192 | .173 | .301 | -.171 | 135 | 1254 | -.363 | .129 | .060 | -.849 |
| 135 | 312 | .323 | .142 | .207 | -.909 | 135 | 934 | -.221 | .158 | .449 | -.959 | 135 | 1257 | -.341 | .143 | .155 | -.789 |
| 135 | 313 | .556 | .312 | .554 | -.684 | 135 | 935 | -.304 | .171 | .222 | -.1025 | 135 | 1258 | -.360 | .139 | .061 | -.849 |
| 135 | 314 | .385 | .195 | .149 | -.178 | 135 | 936 | -.904 | .211 | .194 | -.1676 | 135 | 1259 | -.363 | .142 | .100 | -.036 |
| 135 | 401 | .132 | .150 | .402 | -.805 | 135 | 937 | -.883 | .191 | .229 | -.1492 | 135 | 1260 | -.374 | .133 | .105 | -.876 |
| 135 | 402 | .099 | .199 | .346 | -.157 | 135 | 938 | -.748 | .196 | .072 | -.1401 | 135 | 1261 | -.364 | .138 | .091 | -.851 |
| 135 | 403 | .063 | .227 | .944 | -.1 | 135 | 939 | -.785 | .285 | .012 | -.1973 | 135 | 1262 | -.370 | .131 | .107 | -.826 |
| 135 | 404 | .019 | .290 | .086 | -.968 | 135 | 940 | -.023 | .401 | .055 | -3.197 | 135 | 1263 | -.356 | .137 | .045 | -.846 |
| 135 | 405 | .161 | .272 | .812 | -.105 | 135 | 941 | -.224 | .238 | .497 | -.1064 | 135 | 1266 | -.339 | .142 | .233 | -.888 |
| 135 | 501 | .850 | .243 | .074 | -2.754 | 135 | 942 | -.494 | .184 | .179 | -.173 | 135 | 1267 | -.378 | .149 | .041 | -.906 |
| 135 | 502 | .565 | .224 | .818 | -2.645 | 135 | 943 | -.628 | .185 | .064 | -.1393 | 135 | 1268 | -.377 | .136 | .063 | -.894 |
| 135 | 503 | .298 | .221 | .573 | -.966 | 135 | 944 | -.964 | .251 | .272 | -.1909 | 135 | 1269 | -.378 | .142 | .102 | -.878 |
| 135 | 504 | .192 | .228 | .551 | -.932 | 135 | 945 | -.329 | .271 | -.299 | -2.469 | 135 | 1270 | -.360 | .134 | .080 | -.899 |
| 135 | 505 | .068 | .211 | .304 | -.814 | 135 | 946 | -.118 | .232 | .396 | -2.119 | 135 | 1271 | -.367 | .133 | .039 | -.776 |
| 135 | 506 | .895 | .178 | .321 | -.633 | 135 | 1107 | -.304 | .149 | .798 | -.258 | 135 | 1272 | -.374 | .139 | .050 | -.826 |
| 135 | 507 | .918 | .180 | .309 | -.569 | 135 | 1108 | -.333 | .168 | .867 | -.215 | 135 | 1303 | -.628 | .173 | .174 | .036 |
| 135 | 508 | .837 | .171 | .020 | -.483 | 135 | 1109 | -.150 | .159 | .686 | -.368 | 135 | 1305 | -.602 | .177 | .104 | .017 |
| 135 | 509 | .764 | .166 | .196 | -.436 | 135 | 1110 | -.091 | .157 | .735 | -.538 | 135 | 1307 | -.574 | .186 | .194 | .008 |
| 135 | 901 | .503 | .164 | .059 | -.417 | 135 | 1111 | -.095 | .141 | .645 | -.372 | 135 | 1309 | -.451 | .193 | .074 | -.207 |
| 135 | 902 | .519 | .194 | .102 | -.374 | 135 | 1116 | -.146 | .151 | .541 | -.697 | 135 | 1311 | -.450 | .161 | .010 | -.092 |
| 135 | 903 | .299 | .161 | .233 | -.883 | 135 | 1121 | -.212 | .190 | .802 | -.501 | 135 | 1313 | -.382 | .196 | .063 | -.274 |
| 135 | 904 | .527 | .143 | .018 | -.218 | 135 | 1126 | -.057 | .147 | .434 | -.503 | 135 | 1911 | -.323 | .143 | .755 | -.148 |
| 135 | 905 | .577 | .145 | .020 | -.335 | 135 | 1136 | -.101 | .147 | .398 | -.601 | 135 | 1913 | -.191 | .160 | .788 | -.364 |
| 135 | 906 | .674 | .158 | .177 | -.315 | 135 | 1221 | -.052 | .137 | .596 | -.444 | 135 | 1914 | -.146 | .150 | .639 | -.327 |
| 135 | 907 | .756 | .154 | .302 | -.247 | 135 | 1222 | -.183 | .127 | .288 | -.655 | 135 | 1915 | -.063 | .139 | .543 | -.368 |
| 135 | 908 | .740 | .161 | .241 | -.670 | 135 | 1223 | -.304 | .134 | .132 | -.746 | 135 | 1916 | -.169 | .151 | .639 | -.270 |
| 135 | 909 | .838 | .198 | .222 | -.968 | 135 | 1224 | -.383 | .144 | .050 | -.879 | 135 | 1917 | -.305 | .136 | .921 | -.158 |
| 135 | 910 | .346 | .150 | .139 | -.638 | 135 | 1225 | -.382 | .135 | .032 | -.807 | 135 | 1918 | -.490 | .168 | .029 | -.027 |
| 135 | 911 | .451 | .150 | .033 | -.338 | 135 | 1226 | -.371 | .121 | .001 | -.817 | 135 | 1921 | -.229 | .154 | .782 | -.360 |
| 135 | 912 | .694 | .252 | .010 | -.758 | 135 | 1227 | -.350 | .127 | .192 | -.743 | 135 | 1923 | -.124 | .160 | .651 | -.376 |
| 135 | 913 | .187 | .163 | .447 | -.757 | 135 | 1230 | -.240 | .117 | .171 | -.638 | 135 | 1924 | -.062 | .156 | .367 | -.521 |
| 135 | 914 | .361 | .140 | .051 | -.810 | 135 | 1231 | -.296 | .121 | .091 | -.718 | 135 | 1925 | -.022 | .142 | .545 | -.525 |
| 135 | 915 | .425 | .140 | .095 | -.882 | 135 | 1232 | -.354 | .135 | .123 | -.808 | 135 | 1926 | -.099 | .153 | .671 | -.470 |
| 135 | 916 | .672 | .173 | .091 | -.389 | 135 | 1233 | -.382 | .141 | .153 | -.872 | 135 | 1927 | -.226 | .148 | .727 | -.250 |
| 135 | 917 | .860 | .156 | .340 | -.373 | 135 | 1234 | -.358 | .124 | .095 | -.780 | 135 | 1928 | -.312 | .199 | .863 | -.454 |
| 135 | 918 | .784 | .183 | .188 | -.449 | 135 | 1235 | -.368 | .122 | .105 | -.734 | 135 | 1930 | -.147 | .161 | .735 | -.423 |
| 135 | 919 | .810 | .174 | .126 | -.507 | 135 | 1236 | -.378 | .118 | .016 | -.835 | 135 | 1932 | -.088 | .151 | .675 | -.421 |
| 135 | 920 | .382 | .178 | .133 | -.017 | 135 | 1239 | -.302 | .127 | .176 | -.808 | 135 | 1933 | -.941 | .146 | .418 | -.536 |
| 135 | 921 | .417 | .172 | .144 | -.449 | 135 | 1240 | -.338 | .128 | .121 | -.775 | 135 | 1934 | -.063 | .160 | .488 | -.699 |

| WD | TAP | CPMEAN | CPRRS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRRS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRRS | CPMAX | CPMIN |
|------|------|--------|-------|-------|--------|-----|-----|--------|-------|-------|-------|-----|-----|--------|-------|-------|--------|
| 1335 | 1935 | -.045 | .149 | .429 | -.536 | 150 | 217 | .082 | .177 | .643 | -.668 | 150 | 267 | .362 | .136 | .862 | -.100 |
| 1335 | 1936 | -.026 | .141 | .494 | -.429 | 150 | 218 | .406 | .195 | .936 | -.310 | 150 | 268 | .488 | .164 | 1.187 | -.001 |
| 1335 | 1937 | -.105 | .265 | .720 | -.167 | 150 | 219 | .385 | .208 | .070 | -.245 | 150 | 269 | .538 | .155 | 1.073 | -.008 |
| 1335 | 1939 | -.061 | .153 | .533 | -.423 | 150 | 220 | -.109 | .126 | .335 | -.605 | 150 | 270 | .609 | .174 | 1.176 | -.094 |
| 1335 | 1941 | -.015 | .145 | .443 | -.476 | 150 | 221 | .066 | .151 | .549 | -.459 | 150 | 271 | .580 | .159 | 1.136 | .155 |
| 1335 | 1942 | -.177 | .137 | .267 | -.568 | 150 | 222 | .289 | .160 | .801 | -.320 | 150 | 272 | .431 | .190 | 1.109 | -.147 |
| 1335 | 1943 | -.245 | .143 | .294 | -.770 | 150 | 223 | .397 | .148 | .971 | -.137 | 150 | 273 | .137 | .132 | .565 | -.349 |
| 1335 | 1944 | -.273 | .150 | .234 | -.828 | 150 | 224 | .423 | .175 | 1.064 | -.173 | 150 | 301 | -.435 | .170 | .102 | -.180 |
| 1335 | 1945 | -.249 | .159 | .345 | -.873 | 150 | 225 | .525 | .173 | 1.114 | -.229 | 150 | 302 | -.303 | .140 | .181 | -.005 |
| 1335 | 1946 | -.543 | .226 | .308 | -.275 | 150 | 226 | .640 | .191 | 1.288 | -.088 | 150 | 303 | -.853 | .341 | .490 | -1.897 |
| 150 | 101 | -.620 | .202 | .063 | -1.609 | 150 | 227 | .670 | .210 | 1.247 | -.153 | 150 | 304 | -.364 | .147 | .111 | -1.088 |
| 150 | 102 | -.617 | .199 | .009 | -1.633 | 150 | 228 | .487 | .225 | 1.396 | -.209 | 150 | 305 | -.668 | .364 | .682 | -1.793 |
| 150 | 103 | -.603 | .211 | .069 | -1.814 | 150 | 229 | -.428 | .128 | 1.127 | -.883 | 150 | 306 | -.348 | .122 | .012 | -.822 |
| 150 | 104 | -.571 | .205 | .162 | -1.742 | 150 | 230 | .064 | .133 | .603 | -.390 | 150 | 307 | -.483 | .391 | .560 | -1.819 |
| 150 | 105 | -.605 | .188 | .035 | -1.347 | 150 | 231 | .361 | .161 | .971 | -.156 | 150 | 308 | -.335 | .127 | .134 | -.817 |
| 150 | 106 | -.562 | .169 | -.053 | -1.132 | 150 | 232 | .464 | .171 | .982 | -.102 | 150 | 309 | -.550 | .410 | .526 | -1.687 |
| 150 | 107 | -.544 | .157 | .011 | -1.058 | 150 | 233 | .574 | .172 | 1.082 | -.043 | 150 | 310 | -.343 | .129 | .165 | -1.025 |
| 150 | 108 | -.577 | .156 | .015 | -1.163 | 150 | 234 | .643 | .190 | 1.194 | -.004 | 150 | 311 | -.591 | .424 | .474 | -1.843 |
| 150 | 109 | -.597 | .137 | .059 | -1.094 | 150 | 235 | .703 | .192 | 1.303 | .083 | 150 | 312 | -.405 | .135 | .026 | -.887 |
| 150 | 110 | -.589 | .151 | .047 | -1.133 | 150 | 236 | .654 | .192 | 1.381 | -.081 | 150 | 313 | -.596 | .357 | .558 | -2.010 |
| 150 | 111 | -.601 | .162 | .117 | -1.133 | 150 | 237 | .349 | .191 | .984 | -.418 | 150 | 314 | -.420 | .143 | .014 | -1.031 |
| 150 | 112 | -.633 | .173 | .163 | -1.501 | 150 | 238 | .212 | .132 | .224 | -.639 | 150 | 401 | -.331 | .201 | .334 | -1.020 |
| 150 | 113 | -.618 | .144 | .031 | -1.048 | 150 | 239 | .184 | .130 | .674 | -.298 | 150 | 402 | -.346 | .210 | .453 | -.975 |
| 150 | 114 | -.628 | .143 | .153 | -1.110 | 150 | 240 | .337 | .148 | .879 | -.236 | 150 | 403 | -.361 | .212 | .344 | -1.040 |
| 150 | 115 | -.551 | .143 | .053 | -1.130 | 150 | 241 | .469 | .149 | 1.162 | -.042 | 150 | 404 | -.457 | .202 | .268 | -1.200 |
| 150 | 116 | -.566 | .160 | .027 | -1.387 | 150 | 242 | .352 | .161 | 1.044 | .101 | 150 | 405 | -.581 | .211 | .418 | -1.513 |
| 150 | 120 | -.559 | .133 | .121 | -1.114 | 150 | 243 | .624 | .165 | 1.214 | .126 | 150 | 501 | -1.506 | .350 | -.404 | -2.700 |
| 150 | 121 | -.588 | .167 | .115 | -1.217 | 150 | 244 | .652 | .183 | 1.221 | .134 | 150 | 502 | -1.411 | .288 | -.414 | -2.401 |
| 150 | 123 | -.526 | .123 | .077 | -1.012 | 150 | 245 | .613 | .200 | 1.268 | .036 | 150 | 503 | -1.211 | .212 | -.444 | -1.954 |
| 150 | 126 | -.510 | .139 | .107 | -.958 | 150 | 246 | .361 | .172 | 1.020 | -.274 | 150 | 504 | -1.067 | .199 | -.336 | -1.732 |
| 150 | 130 | -.522 | .138 | .011 | -.994 | 150 | 247 | .260 | .128 | .247 | -.657 | 150 | 505 | -.773 | .198 | -.187 | -1.671 |
| 150 | 131 | -.501 | .135 | .045 | -.946 | 150 | 248 | .073 | .121 | .471 | -.392 | 150 | 506 | -.630 | .201 | -.093 | -1.425 |
| 150 | 133 | -.522 | .140 | .099 | -1.112 | 150 | 249 | .310 | .139 | .839 | -.102 | 150 | 507 | -.653 | .184 | .089 | -1.240 |
| 150 | 136 | -.495 | .139 | .105 | -1.076 | 150 | 250 | .407 | .153 | .942 | -.039 | 150 | 508 | -.625 | .184 | .049 | -1.292 |
| 150 | 201 | -.311 | .167 | .242 | -.925 | 150 | 251 | .494 | .159 | 1.062 | -.098 | 150 | 509 | -.652 | .172 | .075 | -1.248 |
| 150 | 202 | -.136 | .157 | .432 | -.766 | 150 | 252 | .524 | .172 | 1.250 | .047 | 150 | 901 | -.487 | .169 | .112 | -1.353 |
| 150 | 203 | -.127 | .177 | .808 | -.668 | 150 | 253 | .551 | .178 | 1.303 | -.015 | 150 | 902 | -.410 | .219 | .222 | -1.310 |
| 150 | 204 | -.330 | .379 | 1.365 | -1.611 | 150 | 254 | .534 | .191 | 1.187 | -.048 | 150 | 903 | -.354 | .183 | .264 | -.988 |
| 150 | 205 | -.682 | .229 | 1.529 | -.236 | 150 | 255 | .498 | .173 | 1.218 | -.152 | 150 | 904 | -.476 | .162 | .041 | -1.248 |
| 150 | 206 | -.725 | .228 | 1.477 | -.535 | 150 | 256 | .184 | .117 | .303 | -.524 | 150 | 905 | -.508 | .160 | -.005 | -1.238 |
| 150 | 207 | -.629 | .226 | .066 | -1.645 | 150 | 257 | .067 | .119 | .433 | -.325 | 150 | 906 | -.538 | .179 | .162 | -1.587 |
| 150 | 208 | -.428 | .337 | 1.320 | -1.146 | 150 | 258 | .306 | .135 | .817 | -.195 | 150 | 907 | -.587 | .164 | .005 | -1.669 |
| 150 | 209 | -.346 | .453 | 1.441 | -2.884 | 150 | 259 | .424 | .143 | .902 | -.024 | 150 | 908 | -.662 | .159 | .099 | -1.250 |
| 150 | 210 | -.167 | .135 | .285 | -.718 | 150 | 260 | .512 | .154 | 1.102 | .050 | 150 | 909 | -.823 | .214 | -.131 | -1.782 |
| 150 | 211 | -.134 | .155 | .650 | -.396 | 150 | 261 | .328 | .174 | 1.094 | .009 | 150 | 910 | -.418 | .176 | .166 | -1.290 |
| 150 | 212 | -.223 | .175 | .794 | -.310 | 150 | 262 | .540 | .157 | 1.085 | .012 | 150 | 911 | -.460 | .187 | .119 | -1.233 |
| 150 | 213 | -.037 | .156 | .463 | -.572 | 150 | 263 | .425 | .175 | 1.082 | -.171 | 150 | 912 | -.471 | .231 | .138 | -1.782 |
| 150 | 214 | -.105 | .159 | .461 | -.637 | 150 | 264 | .296 | .160 | .999 | -.175 | 150 | 913 | -.329 | .170 | .319 | -.954 |
| 150 | 215 | -.243 | .154 | .263 | -.811 | 150 | 265 | .042 | .123 | .341 | -.497 | 150 | 914 | -.435 | .178 | .093 | -1.279 |
| 150 | 216 | -.085 | .176 | .477 | -.721 | 150 | 266 | .133 | .129 | .581 | -.307 | 150 | 915 | -.459 | .184 | .157 | -1.317 |

| WD | TAP | CPNEAN | CPRMS | CPMAX | CPHIN | WD | TAP | CPNEAN | CPRMS | CPMAX | CPHIN | WD | TAP | CPNEAN | CPRMS | CPMAX | CPHIN |
|------|------|--------|-------|-------|-------|------|------|--------|-------|-------|-------|------|------|--------|-------|-------|-------|
| 1500 | 916 | 468 | 211 | 217 | 797 | 1500 | 1233 | 491 | 149 | 031 | 973 | 1500 | 1927 | 208 | 204 | 354 | 872 |
| 1500 | 917 | 643 | 186 | 143 | 435 | 1500 | 1234 | 478 | 141 | 035 | 910 | 1500 | 1928 | 163 | 293 | 619 | 396 |
| 1500 | 918 | 777 | 165 | 215 | 323 | 1500 | 1235 | 483 | 152 | 009 | 975 | 1500 | 1930 | 162 | 179 | 424 | 820 |
| 1500 | 919 | 866 | 204 | 171 | 199 | 1500 | 1236 | 452 | 157 | 011 | 027 | 1500 | 1932 | 271 | 171 | 265 | 892 |
| 1500 | 920 | 441 | 196 | 234 | 347 | 1500 | 1239 | 362 | 125 | 055 | 736 | 1500 | 1933 | 378 | 157 | 132 | 846 |
| 1500 | 921 | 441 | 196 | 111 | 229 | 1500 | 1240 | 407 | 134 | 037 | 833 | 1500 | 1934 | 425 | 181 | 162 | 981 |
| 1500 | 922 | 517 | 237 | 226 | 720 | 1500 | 1241 | 463 | 119 | 079 | 863 | 1500 | 1935 | 422 | 189 | 116 | 082 |
| 1500 | 923 | 336 | 196 | 389 | 010 | 1500 | 1242 | 476 | 139 | 008 | 977 | 1500 | 1936 | 423 | 193 | 205 | 108 |
| 1500 | 924 | 396 | 195 | 171 | 161 | 1500 | 1243 | 476 | 149 | 071 | 007 | 1500 | 1937 | 544 | 290 | 315 | 473 |
| 1500 | 925 | 416 | 201 | 311 | 106 | 1500 | 1244 | 470 | 155 | 020 | 007 | 1500 | 1939 | 297 | 158 | 249 | 874 |
| 1500 | 926 | 411 | 222 | 391 | 419 | 1500 | 1245 | 479 | 145 | 014 | 932 | 1500 | 1941 | 367 | 157 | 193 | 832 |
| 1500 | 927 | 614 | 230 | 059 | 671 | 1500 | 1248 | 385 | 137 | 123 | 882 | 1500 | 1942 | 466 | 149 | 150 | 919 |
| 1500 | 928 | 737 | 178 | 109 | 421 | 1500 | 1249 | 417 | 123 | 018 | 876 | 1500 | 1943 | 486 | 182 | 040 | 156 |
| 1500 | 929 | 323 | 196 | 154 | 349 | 1500 | 1250 | 439 | 151 | 091 | 921 | 1500 | 1944 | 502 | 185 | 025 | 088 |
| 1500 | 930 | 321 | 199 | 181 | 419 | 1500 | 1251 | 461 | 142 | 023 | 909 | 1500 | 1945 | 495 | 172 | 068 | 205 |
| 1500 | 931 | 311 | 218 | 130 | 453 | 1500 | 1252 | 453 | 155 | 009 | 935 | 1500 | 1946 | 646 | 233 | 044 | 583 |
| 1500 | 932 | 413 | 195 | 474 | 102 | 1500 | 1253 | 459 | 146 | 040 | 989 | 1650 | 101 | 675 | 286 | 131 | 940 |
| 1500 | 933 | 467 | 205 | 183 | 263 | 1500 | 1254 | 463 | 151 | 002 | 966 | 1650 | 102 | 627 | 273 | 359 | 998 |
| 1500 | 934 | 478 | 221 | 217 | 299 | 1500 | 1257 | 386 | 138 | 095 | 840 | 1650 | 103 | 665 | 260 | 333 | 074 |
| 1500 | 935 | 321 | 255 | 211 | 441 | 1500 | 1258 | 390 | 146 | 109 | 959 | 1650 | 104 | 672 | 247 | 149 | 196 |
| 1500 | 936 | 660 | 236 | 253 | 871 | 1500 | 1259 | 461 | 153 | 103 | 927 | 1650 | 105 | 708 | 234 | 033 | 168 |
| 1500 | 937 | 634 | 194 | 049 | 369 | 1500 | 1260 | 466 | 140 | 006 | 923 | 1650 | 106 | 652 | 226 | 007 | 110 |
| 1500 | 938 | 588 | 202 | 102 | 681 | 1500 | 1261 | 452 | 138 | 000 | 887 | 1650 | 107 | 641 | 210 | 114 | 672 |
| 1500 | 939 | 602 | 198 | 101 | 513 | 1500 | 1262 | 470 | 151 | 154 | 980 | 1650 | 108 | 604 | 180 | 142 | 301 |
| 1500 | 940 | 628 | 205 | 106 | 900 | 1500 | 1263 | 476 | 152 | 032 | 975 | 1650 | 109 | 652 | 178 | 034 | 289 |
| 1500 | 941 | 591 | 207 | 087 | 263 | 1500 | 1266 | 377 | 139 | 244 | 914 | 1650 | 110 | 646 | 172 | 147 | 199 |
| 1500 | 942 | 612 | 216 | 149 | 513 | 1500 | 1267 | 422 | 133 | 009 | 862 | 1650 | 111 | 651 | 179 | 195 | 285 |
| 1500 | 943 | 661 | 238 | 263 | 429 | 1500 | 1268 | 472 | 148 | 057 | 016 | 1650 | 112 | 659 | 191 | 149 | 048 |
| 1500 | 944 | 734 | 269 | 161 | 757 | 1500 | 1269 | 452 | 141 | 026 | 864 | 1650 | 113 | 671 | 178 | 109 | 470 |
| 1500 | 945 | 804 | 205 | 025 | 769 | 1500 | 1270 | 470 | 144 | 018 | 996 | 1650 | 114 | 644 | 169 | 139 | 232 |
| 1500 | 946 | 784 | 191 | 125 | 559 | 1500 | 1271 | 448 | 137 | 035 | 853 | 1650 | 115 | 677 | 207 | 093 | 682 |
| 1500 | 1107 | 023 | 183 | 659 | 809 | 1500 | 1272 | 460 | 156 | 098 | 023 | 1650 | 116 | 638 | 170 | 057 | 582 |
| 1500 | 1108 | 128 | 176 | 754 | 383 | 1500 | 1303 | 425 | 246 | 107 | 486 | 1650 | 120 | 678 | 206 | 139 | 608 |
| 1500 | 1109 | 170 | 173 | 398 | 683 | 1500 | 1305 | 428 | 239 | 010 | 631 | 1650 | 121 | 641 | 195 | 133 | 796 |
| 1500 | 1110 | 299 | 152 | 201 | 800 | 1500 | 1307 | 280 | 266 | 032 | 741 | 1650 | 125 | 695 | 232 | 021 | 542 |
| 1500 | 1111 | 204 | 172 | 370 | 727 | 1500 | 1309 | 234 | 258 | 889 | 663 | 1650 | 126 | 650 | 201 | 059 | 036 |
| 1500 | 1116 | 382 | 153 | 152 | 858 | 1500 | 1311 | 244 | 245 | 936 | 508 | 1650 | 130 | 723 | 251 | 051 | 114 |
| 1500 | 1121 | 138 | 203 | 511 | 758 | 1500 | 1313 | 126 | 293 | 042 | 897 | 1650 | 131 | 620 | 174 | 042 | 427 |
| 1500 | 1126 | 359 | 148 | 138 | 786 | 1500 | 1911 | 063 | 176 | 632 | 524 | 1650 | 135 | 698 | 238 | 033 | 544 |
| 1500 | 1136 | 353 | 150 | 136 | 820 | 1500 | 1913 | 111 | 168 | 398 | 645 | 1650 | 136 | 599 | 172 | 599 | 301 |
| 1500 | 1221 | 198 | 144 | 466 | 727 | 1500 | 1914 | 183 | 184 | 366 | 824 | 1650 | 201 | 179 | 170 | 442 | 929 |
| 1500 | 1222 | 371 | 121 | 001 | 797 | 1500 | 1915 | 263 | 171 | 344 | 856 | 1650 | 202 | 001 | 176 | 634 | 526 |
| 1500 | 1223 | 450 | 138 | 028 | 848 | 1500 | 1916 | 201 | 175 | 354 | 764 | 1650 | 203 | 090 | 193 | 664 | 608 |
| 1500 | 1224 | 466 | 159 | 120 | 955 | 1500 | 1917 | 003 | 196 | 583 | 599 | 1650 | 204 | 302 | 398 | 598 | 166 |
| 1500 | 1225 | 484 | 149 | 005 | 005 | 1500 | 1918 | 231 | 209 | 825 | 697 | 1650 | 205 | 535 | 314 | 596 | 906 |
| 1500 | 1226 | 475 | 145 | 000 | 968 | 1500 | 1921 | 043 | 176 | 491 | 711 | 1650 | 206 | 564 | 313 | 487 | 119 |
| 1500 | 1227 | 442 | 148 | 134 | 914 | 1500 | 1923 | 256 | 176 | 253 | 754 | 1650 | 207 | 551 | 189 | 119 | 558 |
| 1500 | 1230 | 349 | 123 | 109 | 776 | 1500 | 1924 | 286 | 175 | 342 | 903 | 1650 | 208 | 317 | 250 | 584 | 401 |
| 1500 | 1231 | 383 | 116 | 050 | 788 | 1500 | 1925 | 342 | 163 | 269 | 919 | 1650 | 209 | 363 | 270 | 736 | 326 |
| 1500 | 1232 | 433 | 136 | 034 | 833 | 1500 | 1926 | 309 | 183 | 322 | 806 | 1650 | 210 | 093 | 132 | 395 | 551 |

| MD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | MD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | MD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN |
|-----|-----|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|-----|------|--------|-------|-------|--------|
| 165 | 211 | .278 | .170 | .842 | -.453 | 165 | 261 | .559 | .165 | 1.198 | -.002 | 165 | 910 | -.479 | .213 | .233 | -1.618 |
| 165 | 212 | .334 | .185 | .850 | -.350 | 165 | 262 | .504 | .160 | 1.095 | -.063 | 165 | 911 | -.468 | .197 | .168 | -1.594 |
| 165 | 213 | .069 | .181 | .832 | -.344 | 165 | 263 | .297 | .154 | 1.002 | -.139 | 165 | 912 | -.487 | .213 | .265 | -1.602 |
| 165 | 214 | .041 | .166 | .634 | -.613 | 165 | 264 | .194 | .124 | .695 | -.196 | 165 | 913 | -.406 | .185 | .284 | -1.067 |
| 165 | 215 | .167 | .171 | .392 | -.752 | 165 | 265 | .139 | .127 | .290 | -.612 | 165 | 914 | -.450 | .165 | .014 | -1.091 |
| 165 | 216 | .006 | .181 | .671 | -.685 | 165 | 266 | .134 | .138 | .680 | -.405 | 165 | 915 | -.423 | .172 | .324 | -1.165 |
| 165 | 217 | .136 | .180 | .661 | -.391 | 165 | 267 | .454 | .154 | .993 | -.187 | 165 | 916 | -.422 | .201 | .392 | -1.233 |
| 165 | 218 | .321 | .196 | .919 | -.396 | 165 | 268 | .559 | .170 | 1.149 | -.039 | 165 | 917 | -.421 | .189 | .110 | -1.167 |
| 165 | 219 | .191 | .196 | .876 | -.442 | 165 | 269 | .615 | .152 | 1.130 | -.118 | 165 | 918 | -.340 | .171 | .043 | -1.235 |
| 165 | 220 | .034 | .129 | .425 | -.506 | 165 | 270 | .602 | .181 | 1.131 | -.010 | 165 | 919 | -.394 | .230 | .180 | -1.535 |
| 165 | 221 | .234 | .163 | .790 | -.276 | 165 | 271 | .571 | .186 | 1.203 | -.013 | 165 | 920 | -.597 | .246 | .231 | -1.718 |
| 165 | 222 | .475 | .177 | .991 | -.227 | 165 | 272 | .313 | .159 | .892 | -.160 | 165 | 921 | -.535 | .219 | .170 | -1.467 |
| 165 | 223 | .455 | .192 | 1.104 | -.132 | 165 | 273 | .030 | .112 | .445 | -.456 | 165 | 922 | -.569 | .230 | .341 | -1.582 |
| 165 | 224 | .513 | .175 | 1.043 | -.184 | 165 | 301 | -.251 | .177 | .409 | -1.296 | 165 | 923 | -.472 | .180 | .086 | -1.135 |
| 165 | 225 | .537 | .191 | 1.020 | -.121 | 165 | 302 | -.231 | .149 | .351 | -.881 | 165 | 924 | -.500 | .193 | .238 | -1.189 |
| 165 | 226 | .624 | .192 | 1.160 | -.033 | 165 | 303 | -.200 | .300 | .819 | -1.451 | 165 | 925 | -.512 | .199 | .218 | -1.271 |
| 165 | 227 | .534 | .199 | 1.180 | -.106 | 165 | 304 | -.203 | .157 | .320 | -.879 | 165 | 926 | -.509 | .218 | .256 | -1.219 |
| 165 | 228 | .233 | .173 | .876 | -.348 | 165 | 305 | -.262 | .297 | .761 | -1.199 | 165 | 927 | -.507 | .230 | .426 | -1.646 |
| 165 | 229 | .535 | .145 | .025 | -1.071 | 165 | 306 | -.310 | .163 | .199 | -.975 | 165 | 928 | -.544 | .204 | .970 | -1.880 |
| 165 | 230 | .152 | .134 | .827 | -.517 | 165 | 307 | -.322 | .281 | .709 | -1.191 | 165 | 929 | -.664 | .234 | .229 | -2.014 |
| 165 | 231 | .492 | .177 | 1.041 | -.117 | 165 | 308 | -.349 | .196 | .269 | -1.180 | 165 | 930 | -.638 | .239 | .458 | -1.718 |
| 165 | 232 | .567 | .171 | 1.070 | -.030 | 165 | 309 | -.305 | .268 | .605 | -1.093 | 165 | 931 | -.638 | .232 | .219 | -1.688 |
| 165 | 233 | .637 | .182 | 1.220 | -.052 | 165 | 310 | -.350 | .202 | .376 | -1.155 | 165 | 932 | -.582 | .186 | .090 | -1.239 |
| 165 | 234 | .701 | .190 | 1.306 | .165 | 165 | 311 | -.278 | .288 | .783 | -1.095 | 165 | 933 | -.609 | .193 | .011 | -1.389 |
| 165 | 235 | .699 | .196 | 1.284 | .136 | 165 | 312 | -.305 | .169 | .270 | -1.011 | 165 | 934 | -.619 | .193 | .056 | -1.207 |
| 165 | 236 | .547 | .183 | 1.126 | .007 | 165 | 313 | -.195 | .256 | .741 | -1.329 | 165 | 935 | -.671 | .211 | .168 | -1.449 |
| 165 | 237 | .128 | .179 | .734 | -.506 | 165 | 314 | -.298 | .178 | .283 | -1.069 | 165 | 936 | -.679 | .235 | .220 | -1.762 |
| 165 | 238 | .358 | .127 | .101 | -.800 | 165 | 401 | -.425 | .208 | .439 | -1.362 | 165 | 937 | -.618 | .228 | .098 | -1.467 |
| 165 | 239 | .143 | .154 | .710 | -.294 | 165 | 402 | -.438 | .196 | .143 | -1.320 | 165 | 938 | -.746 | .250 | .103 | -1.590 |
| 165 | 240 | .479 | .171 | 1.040 | -.081 | 165 | 403 | -.490 | .192 | .225 | -1.218 | 165 | 939 | -.690 | .249 | .176 | -1.479 |
| 165 | 241 | .554 | .177 | 1.142 | -.009 | 165 | 404 | -.608 | .214 | .361 | -1.866 | 165 | 940 | -.715 | .216 | .089 | -1.418 |
| 165 | 242 | .590 | .170 | 1.133 | -.142 | 165 | 405 | -.736 | .198 | .099 | -1.566 | 165 | 941 | -.746 | .223 | .155 | -1.686 |
| 165 | 243 | .666 | .193 | 1.207 | -.020 | 165 | 501 | -.792 | .240 | .009 | -1.774 | 165 | 942 | -.703 | .225 | .040 | -1.640 |
| 165 | 244 | .678 | .178 | 1.347 | .135 | 165 | 502 | -.735 | .241 | .069 | -1.680 | 165 | 943 | -.795 | .226 | .126 | -1.578 |
| 165 | 245 | .513 | .173 | 1.173 | -.016 | 165 | 503 | -.675 | .209 | -.037 | -1.616 | 165 | 944 | -.844 | .219 | -.055 | -1.866 |
| 165 | 246 | .170 | .134 | .757 | -.214 | 165 | 504 | -.634 | .193 | -.001 | -1.344 | 165 | 945 | -.827 | .232 | -.028 | -1.684 |
| 165 | 247 | .350 | .134 | .114 | -.881 | 165 | 505 | -.739 | .222 | -.119 | -1.570 | 165 | 946 | -.773 | .234 | -.073 | -1.636 |
| 165 | 248 | .098 | .131 | .595 | -.312 | 165 | 506 | -.658 | .221 | .051 | -1.378 | 165 | 1107 | -.560 | .164 | .015 | -1.040 |
| 165 | 249 | .389 | .139 | .907 | -.087 | 165 | 507 | -.571 | .207 | .103 | -1.552 | 165 | 1108 | -.493 | .197 | .453 | -1.116 |
| 165 | 250 | .506 | .160 | 1.175 | -.020 | 165 | 508 | -.502 | .192 | .239 | -1.244 | 165 | 1109 | -.584 | .136 | -.096 | -1.990 |
| 165 | 251 | .553 | .169 | 1.167 | -.037 | 165 | 509 | -.519 | .186 | .461 | -1.278 | 165 | 1110 | -.594 | .152 | -.116 | -1.118 |
| 165 | 252 | .363 | .167 | 1.151 | -.142 | 165 | 901 | -.516 | .204 | .165 | -1.320 | 165 | 1111 | -.596 | .163 | -.090 | -1.207 |
| 165 | 253 | .566 | .165 | 1.068 | -.061 | 165 | 902 | -.463 | .247 | .251 | -1.548 | 165 | 1116 | -.588 | .147 | -.074 | -1.143 |
| 165 | 254 | .422 | .166 | 1.023 | -.126 | 165 | 903 | -.456 | .184 | .107 | -1.152 | 165 | 1121 | -.589 | .174 | -.050 | -1.253 |
| 165 | 255 | .328 | .139 | .867 | -.114 | 165 | 904 | -.459 | .170 | .187 | -1.154 | 165 | 1126 | -.600 | .168 | -.064 | -1.201 |
| 165 | 256 | .232 | .119 | .229 | -.702 | 165 | 905 | -.450 | .165 | .125 | -1.028 | 165 | 1136 | -.578 | .144 | -.082 | -1.990 |
| 165 | 257 | .070 | .119 | .423 | -.313 | 165 | 906 | -.447 | .174 | .145 | -1.208 | 165 | 1221 | -.534 | .129 | -.135 | -1.964 |
| 165 | 258 | .393 | .160 | .995 | -.074 | 165 | 907 | -.438 | .167 | .117 | -1.152 | 165 | 1222 | -.562 | .133 | -.116 | -1.018 |
| 165 | 259 | .504 | .162 | 1.209 | -.108 | 165 | 908 | -.501 | .163 | -.039 | -1.170 | 165 | 1223 | -.559 | .143 | -.052 | -1.035 |
| 165 | 260 | .563 | .155 | 1.063 | -.010 | 165 | 909 | -.540 | .228 | .201 | -1.388 | 165 | 1224 | -.556 | .134 | -.144 | -1.034 |

| WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN |
|-----|------|--------|-------|-------|-------|-----|------|--------|-------|-------|--------|-----|-----|--------|-------|-------|-------|
| 165 | 1225 | .574 | .131 | .132 | .987 | 165 | 1918 | .517 | .223 | .244 | -1.223 | 180 | 205 | .277 | .345 | .314 | .894 |
| 165 | 1226 | .603 | .141 | .135 | .135 | 165 | 1921 | .564 | .167 | .099 | -1.022 | 180 | 206 | .129 | .378 | .275 | .661 |
| 165 | 1227 | .576 | .143 | .110 | .016 | 165 | 1923 | .575 | .158 | .090 | -1.064 | 180 | 207 | .641 | .205 | .068 | .457 |
| 165 | 1230 | .542 | .134 | .135 | .920 | 165 | 1924 | .592 | .146 | .072 | -1.038 | 180 | 208 | .491 | .220 | .241 | .418 |
| 165 | 1231 | .538 | .130 | .128 | .973 | 165 | 1925 | .625 | .149 | .064 | -1.138 | 180 | 209 | .438 | .216 | .146 | .156 |
| 165 | 1232 | .538 | .137 | .005 | .925 | 165 | 1926 | .640 | .167 | .086 | -1.173 | 180 | 210 | .071 | .165 | .583 | .378 |
| 165 | 1233 | .576 | .134 | .146 | .131 | 165 | 1927 | .685 | .182 | .078 | -1.303 | 180 | 211 | .381 | .194 | .068 | .368 |
| 165 | 1234 | .585 | .125 | .153 | .037 | 165 | 1928 | .706 | .221 | .061 | -1.593 | 180 | 212 | .447 | .197 | .122 | .205 |
| 165 | 1235 | .602 | .146 | .121 | .037 | 165 | 1930 | .611 | .151 | .166 | -1.219 | 180 | 213 | .106 | .200 | .735 | .515 |
| 165 | 1236 | .603 | .148 | .078 | .039 | 165 | 1932 | .601 | .139 | .142 | -1.058 | 180 | 214 | .043 | .171 | .732 | .510 |
| 165 | 1239 | .513 | .145 | .052 | .978 | 165 | 1933 | .618 | .138 | .148 | -1.096 | 180 | 215 | .143 | .182 | .501 | .697 |
| 165 | 1240 | .550 | .134 | .101 | .062 | 165 | 1934 | .617 | .137 | .120 | -1.080 | 180 | 216 | .009 | .173 | .535 | .695 |
| 165 | 1241 | .551 | .129 | .117 | .021 | 165 | 1935 | .646 | .152 | .082 | -1.080 | 180 | 217 | .069 | .182 | .605 | .480 |
| 165 | 1242 | .549 | .136 | .062 | .016 | 165 | 1936 | .644 | .174 | .114 | -1.169 | 180 | 218 | .198 | .208 | .791 | .406 |
| 165 | 1243 | .592 | .133 | .061 | .042 | 165 | 1937 | .669 | .212 | .058 | -2.018 | 180 | 219 | .065 | .183 | .689 | .627 |
| 165 | 1244 | .603 | .180 | .180 | .059 | 165 | 1939 | .603 | .139 | .112 | -1.098 | 180 | 220 | .062 | .162 | .654 | .549 |
| 165 | 1245 | .591 | .135 | .144 | .098 | 165 | 1941 | .599 | .164 | .124 | -1.181 | 180 | 221 | .349 | .191 | .007 | .287 |
| 165 | 1248 | .558 | .129 | .128 | .098 | 165 | 1942 | .610 | .137 | .212 | -1.096 | 180 | 222 | .362 | .190 | .209 | .148 |
| 165 | 1249 | .520 | .140 | .061 | .016 | 165 | 1943 | .634 | .143 | .192 | -1.120 | 180 | 223 | .590 | .195 | .213 | .052 |
| 165 | 1250 | .575 | .135 | .146 | .041 | 165 | 1944 | .636 | .146 | .148 | -1.088 | 180 | 224 | .571 | .225 | .284 | .112 |
| 165 | 1251 | .568 | .131 | .087 | .962 | 165 | 1945 | .617 | .148 | .067 | -1.142 | 180 | 225 | .575 | .194 | .211 | .054 |
| 165 | 1252 | .571 | .132 | .169 | .096 | 165 | 1946 | .637 | .170 | .140 | -1.291 | 180 | 226 | .566 | .206 | .202 | .208 |
| 165 | 1253 | .574 | .146 | .128 | .142 | 180 | 101 | .436 | .222 | .306 | -1.333 | 180 | 227 | .382 | .182 | .063 | .174 |
| 165 | 1254 | .587 | .128 | .164 | .076 | 180 | 102 | .397 | .234 | .271 | -1.349 | 180 | 228 | .019 | .162 | .726 | .532 |
| 165 | 1257 | .521 | .125 | .171 | .050 | 180 | 103 | .474 | .252 | .219 | -1.864 | 180 | 229 | .590 | .195 | .247 | .517 |
| 165 | 1258 | .547 | .138 | .041 | .984 | 180 | 104 | .569 | .274 | .246 | -1.889 | 180 | 230 | .271 | .181 | .817 | .343 |
| 165 | 1259 | .569 | .131 | .137 | .059 | 180 | 105 | .672 | .257 | .051 | -1.671 | 180 | 231 | .600 | .200 | .273 | .071 |
| 165 | 1260 | .570 | .130 | .068 | .060 | 180 | 106 | .413 | .199 | .224 | -1.325 | 180 | 232 | .700 | .186 | .363 | .133 |
| 165 | 1261 | .573 | .141 | .125 | .114 | 180 | 107 | .411 | .219 | .412 | -1.147 | 180 | 233 | .702 | .202 | .371 | .032 |
| 165 | 1262 | .564 | .134 | .052 | .053 | 180 | 108 | .489 | .250 | .314 | -1.206 | 180 | 234 | .722 | .189 | .251 | .126 |
| 165 | 1263 | .549 | .140 | .130 | .042 | 180 | 109 | .684 | .246 | .381 | -1.744 | 180 | 235 | .613 | .210 | .356 | .041 |
| 165 | 1266 | .548 | .147 | .130 | .023 | 180 | 110 | .819 | .245 | .093 | -1.779 | 180 | 236 | .333 | .162 | .930 | .144 |
| 165 | 1267 | .574 | .137 | .155 | .121 | 180 | 111 | .475 | .240 | .500 | -1.233 | 180 | 237 | .164 | .162 | .468 | .625 |
| 165 | 1268 | .557 | .135 | .055 | .977 | 180 | 112 | .666 | .211 | .345 | -1.335 | 180 | 238 | .406 | .165 | .226 | .928 |
| 165 | 1269 | .573 | .142 | .094 | .057 | 180 | 113 | .813 | .196 | .171 | -1.487 | 180 | 239 | .270 | .166 | .831 | .292 |
| 165 | 1270 | .559 | .134 | .066 | .954 | 180 | 114 | .815 | .188 | .099 | -1.501 | 180 | 240 | .593 | .172 | .093 | .032 |
| 165 | 1271 | .573 | .142 | .183 | .185 | 180 | 115 | .663 | .335 | .326 | -1.848 | 180 | 241 | .652 | .186 | .219 | .098 |
| 165 | 1272 | .589 | .132 | .135 | .060 | 180 | 116 | .684 | .293 | .594 | -1.531 | 180 | 242 | .676 | .189 | .314 | .120 |
| 165 | 1303 | .545 | .276 | .396 | .366 | 180 | 120 | .643 | .292 | .269 | -1.723 | 180 | 243 | .653 | .173 | .211 | .163 |
| 165 | 1305 | .528 | .245 | .447 | .273 | 180 | 121 | .626 | .233 | .498 | -1.441 | 180 | 244 | .399 | .172 | .153 | .124 |
| 165 | 1307 | .569 | .212 | .181 | .245 | 180 | 125 | .647 | .298 | .263 | -1.864 | 180 | 245 | .339 | .163 | .106 | .172 |
| 165 | 1309 | .576 | .206 | .220 | .275 | 180 | 126 | .644 | .269 | .095 | -1.480 | 180 | 246 | .043 | .121 | .654 | .400 |
| 165 | 1311 | .479 | .204 | .254 | .136 | 180 | 130 | .564 | .324 | .336 | -2.191 | 180 | 247 | .387 | .155 | .219 | .814 |
| 165 | 1313 | .586 | .241 | .214 | .388 | 180 | 131 | .573 | .260 | .606 | -1.492 | 180 | 248 | .170 | .151 | .703 | .322 |
| 165 | 1911 | .443 | .142 | .085 | .887 | 180 | 135 | .536 | .317 | .406 | -1.949 | 180 | 249 | .508 | .193 | .215 | .116 |
| 165 | 1913 | .575 | .157 | .080 | .104 | 180 | 136 | .505 | .270 | .537 | -1.448 | 180 | 250 | .586 | .184 | .146 | .043 |
| 165 | 1914 | .545 | .147 | .060 | .052 | 180 | 201 | .117 | .201 | .516 | .846 | 180 | 251 | .608 | .154 | .132 | .049 |
| 165 | 1915 | .589 | .149 | .154 | .070 | 180 | 202 | .029 | .190 | .736 | .655 | 180 | 252 | .569 | .186 | .082 | .081 |
| 165 | 1916 | .557 | .164 | .123 | .106 | 180 | 203 | .037 | .189 | .671 | .580 | 180 | 253 | .507 | .171 | .067 | .071 |
| 165 | 1917 | .561 | .165 | .009 | .124 | 180 | 204 | .282 | .479 | .693 | -1.300 | 180 | 254 | .285 | .176 | .146 | .172 |

| WD | TAP | CPNEAR | CPRMS | CPMAX | CPMIN | WD | TAP | CPNEAR | CPRMS | CPMAX | CPMIN | WD | TAP | CPNEAR | CPRMS | CPMAX | CPMIN |
|-----|-----|--------|-------|-------|-------|-----|------|--------|-------|-------|-------|-----|------|--------|-------|-------|-------|
| 180 | 233 | 217 | 135 | 646 | -218 | 180 | 904 | 377 | 193 | 127 | -1542 | 180 | 1126 | 767 | 183 | -205 | -1702 |
| 180 | 236 | 269 | 139 | 228 | -759 | 180 | 905 | 429 | 187 | 164 | -1146 | 180 | 1136 | 736 | 181 | -199 | -1398 |
| 180 | 237 | 151 | 150 | 712 | -313 | 180 | 906 | 426 | 206 | 252 | -1355 | 180 | 1221 | 699 | 133 | -244 | -1128 |
| 180 | 238 | 486 | 168 | 1044 | -969 | 180 | 907 | 424 | 201 | 193 | -1201 | 180 | 1222 | 712 | 135 | -238 | -1201 |
| 180 | 239 | 368 | 182 | 1112 | -934 | 180 | 908 | 437 | 215 | 127 | -1624 | 180 | 1223 | 714 | 153 | -194 | -1219 |
| 180 | 260 | 605 | 183 | 1389 | -998 | 180 | 909 | 416 | 228 | 402 | -1419 | 180 | 1224 | 700 | 149 | -127 | -1214 |
| 180 | 261 | 375 | 171 | 1174 | -919 | 180 | 910 | 350 | 216 | 371 | -1497 | 180 | 1225 | 693 | 144 | -244 | -1232 |
| 180 | 262 | 476 | 172 | 1179 | -178 | 180 | 911 | 302 | 178 | 281 | -1298 | 180 | 1226 | 716 | 143 | -142 | -1223 |
| 180 | 263 | 227 | 145 | 784 | -317 | 180 | 912 | 361 | 209 | 285 | -1166 | 180 | 1227 | 731 | 146 | -311 | -1164 |
| 180 | 264 | 105 | 119 | 529 | -305 | 180 | 913 | 416 | 206 | 165 | -1311 | 180 | 1230 | 713 | 158 | -227 | -1258 |
| 180 | 265 | 211 | 137 | 286 | -658 | 180 | 914 | 382 | 185 | 245 | -1057 | 180 | 1231 | 693 | 142 | -244 | -1186 |
| 180 | 266 | 188 | 166 | 722 | -337 | 180 | 915 | 405 | 182 | 247 | -1086 | 180 | 1232 | 703 | 141 | -220 | -1156 |
| 180 | 267 | 360 | 170 | 251 | -921 | 180 | 916 | 405 | 192 | 236 | -1110 | 180 | 1233 | 692 | 147 | -209 | -1167 |
| 180 | 268 | 661 | 161 | 222 | -173 | 180 | 917 | 415 | 197 | 233 | -1157 | 180 | 1234 | 728 | 138 | -296 | -1256 |
| 180 | 269 | 659 | 174 | 258 | -934 | 180 | 918 | 458 | 202 | 193 | -1494 | 180 | 1235 | 713 | 146 | -248 | -1149 |
| 180 | 270 | 644 | 173 | 273 | -114 | 180 | 919 | 488 | 230 | 275 | -1413 | 180 | 1236 | 698 | 139 | -275 | -1258 |
| 180 | 271 | 526 | 180 | 123 | -930 | 180 | 920 | 414 | 221 | 306 | -1717 | 180 | 1239 | 713 | 135 | -251 | -1221 |
| 180 | 272 | 214 | 142 | 712 | -214 | 180 | 921 | 381 | 218 | 318 | -1321 | 180 | 1240 | 706 | 139 | -298 | -1212 |
| 180 | 273 | 662 | 120 | 431 | -469 | 180 | 922 | 454 | 216 | 215 | -1413 | 180 | 1241 | 705 | 131 | -209 | -1156 |
| 180 | 301 | 413 | 291 | 704 | -513 | 180 | 923 | 492 | 230 | 232 | -1509 | 180 | 1242 | 696 | 134 | -244 | -1164 |
| 180 | 302 | 366 | 254 | 500 | -1558 | 180 | 924 | 498 | 194 | 208 | -1437 | 180 | 1243 | 696 | 142 | -116 | -1138 |
| 180 | 303 | 449 | 279 | 823 | -1439 | 180 | 925 | 512 | 203 | 206 | -1266 | 180 | 1244 | 714 | 151 | -199 | -1234 |
| 180 | 304 | 411 | 259 | 561 | -1991 | 180 | 926 | 526 | 216 | 222 | -1213 | 180 | 1245 | 690 | 141 | -179 | -1201 |
| 180 | 305 | 591 | 261 | 334 | -1344 | 180 | 927 | 522 | 206 | 165 | -1417 | 180 | 1248 | 721 | 143 | -238 | -1210 |
| 180 | 306 | 638 | 300 | 277 | -1872 | 180 | 928 | 515 | 209 | 110 | -1255 | 180 | 1249 | 715 | 146 | -192 | -1384 |
| 180 | 307 | 690 | 223 | 520 | -1695 | 180 | 929 | 539 | 243 | 109 | -1373 | 180 | 1250 | 708 | 148 | -166 | -1175 |
| 180 | 308 | 677 | 297 | 719 | -1928 | 180 | 930 | 523 | 226 | 232 | -1511 | 180 | 1251 | 720 | 134 | -94 | -1176 |
| 180 | 309 | 648 | 267 | 884 | -1603 | 180 | 931 | 564 | 222 | 146 | -1762 | 180 | 1252 | 697 | 140 | -266 | -1210 |
| 180 | 310 | 690 | 323 | 343 | -1970 | 180 | 932 | 651 | 224 | 163 | -1560 | 180 | 1253 | 696 | 154 | -166 | -1223 |
| 180 | 311 | 544 | 305 | 723 | -1077 | 180 | 933 | 637 | 222 | 136 | -1725 | 180 | 1254 | 699 | 142 | -209 | -1147 |
| 180 | 312 | 626 | 326 | 414 | -2627 | 180 | 934 | 651 | 209 | 130 | -1476 | 180 | 1257 | 714 | 136 | -264 | -1162 |
| 180 | 313 | 487 | 306 | 569 | -1670 | 180 | 935 | 661 | 225 | 226 | -1400 | 180 | 1258 | 722 | 148 | -249 | -1215 |
| 180 | 314 | 503 | 344 | 464 | -1760 | 180 | 936 | 645 | 242 | 233 | -1791 | 180 | 1259 | 692 | 145 | -166 | -1243 |
| 180 | 401 | 440 | 235 | 363 | -1435 | 180 | 937 | 560 | 227 | 126 | -1601 | 180 | 1260 | 700 | 145 | -203 | -1173 |
| 180 | 402 | 459 | 234 | 260 | -2070 | 180 | 938 | 659 | 242 | 029 | -1721 | 180 | 1261 | 701 | 150 | -198 | -1202 |
| 180 | 403 | 508 | 234 | 414 | -1435 | 180 | 939 | 686 | 233 | 079 | -1642 | 180 | 1262 | 696 | 151 | -155 | -1167 |
| 180 | 404 | 676 | 238 | 148 | -1608 | 180 | 940 | 786 | 234 | 063 | -1604 | 180 | 1263 | 704 | 146 | -144 | -1243 |
| 180 | 405 | 843 | 229 | 185 | -1828 | 180 | 941 | 878 | 235 | 121 | -1842 | 180 | 1266 | 692 | 153 | -144 | -1215 |
| 180 | 501 | 726 | 268 | 371 | -2443 | 180 | 942 | 806 | 226 | 181 | -1537 | 180 | 1267 | 717 | 142 | -238 | -1167 |
| 180 | 502 | 630 | 268 | 234 | -1951 | 180 | 943 | 833 | 236 | 063 | -1744 | 180 | 1268 | 711 | 146 | -127 | -1182 |
| 180 | 503 | 596 | 275 | 254 | -2417 | 180 | 944 | 796 | 228 | 152 | -1836 | 180 | 1269 | 699 | 137 | -312 | -1171 |
| 180 | 504 | 636 | 266 | 228 | -2189 | 180 | 945 | 838 | 224 | 166 | -1762 | 180 | 1270 | 717 | 143 | -303 | -1215 |
| 180 | 505 | 731 | 242 | 053 | -1809 | 180 | 946 | 740 | 262 | 103 | -1836 | 180 | 1271 | 690 | 145 | -209 | -1191 |
| 180 | 506 | 568 | 230 | 195 | -1364 | 180 | 1107 | 750 | 159 | 242 | -1472 | 180 | 1272 | 709 | 142 | -229 | -1186 |
| 180 | 507 | 530 | 220 | 172 | -1329 | 180 | 1108 | 743 | 173 | 189 | -1458 | 180 | 1303 | 775 | 205 | -224 | -1621 |
| 180 | 508 | 476 | 194 | 115 | -1171 | 180 | 1109 | 724 | 171 | 189 | -1264 | 180 | 1305 | 721 | 170 | -243 | -1272 |
| 180 | 509 | 451 | 206 | 281 | -1739 | 180 | 1110 | 732 | 162 | 212 | -1225 | 180 | 1307 | 702 | 175 | -137 | -1388 |
| 180 | 901 | 384 | 200 | 275 | -1579 | 180 | 1111 | 713 | 187 | 150 | -1497 | 180 | 1309 | 743 | 190 | -178 | -1388 |
| 180 | 902 | 268 | 203 | 297 | -1318 | 180 | 1116 | 748 | 174 | 300 | -1520 | 180 | 1311 | 697 | 195 | -106 | -1394 |
| 180 | 903 | 435 | 211 | 146 | -1409 | 180 | 1121 | 732 | 183 | 102 | -1462 | 180 | 1313 | 762 | 187 | -298 | -1869 |

| WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | | |
|-----|------|--------|-------|-------|-------|-----|-----|--------|-------|-------|-------|-----|-----|--------|-------|-------|-------|------|------|
| 180 | 1911 | .604 | .147 | .172 | -.1 | 225 | 195 | .135 | .362 | .165 | -.1 | 325 | 195 | .249 | .574 | .178 | 1 | 190 | .065 |
| 180 | 1913 | .732 | .162 | .143 | -.1 | 456 | 195 | .135 | .145 | .244 | -.1 | 107 | 195 | .250 | .608 | .171 | 1 | 168 | .024 |
| 180 | 1914 | .667 | .146 | .242 | -.1 | 153 | 195 | 2001 | .107 | .206 | -.1 | 687 | 195 | .251 | .566 | .165 | 1 | 170 | .050 |
| 180 | 1915 | .716 | .160 | .181 | -.1 | 254 | 195 | 2002 | .129 | .191 | -.1 | 322 | 195 | .252 | .487 | .167 | 1 | .003 | .121 |
| 180 | 1916 | .677 | .162 | .207 | -.1 | 245 | 195 | 2003 | .071 | .179 | -.1 | 630 | 195 | .253 | .409 | .160 | 1 | .994 | .100 |
| 180 | 1917 | .713 | .164 | .220 | -.1 | 330 | 195 | 204 | .187 | .496 | 1 | 397 | 195 | .254 | .206 | .139 | 1 | .688 | .271 |
| 180 | 1918 | .739 | .167 | .145 | -.1 | 365 | 195 | 205 | .132 | .322 | 1 | 060 | 195 | .255 | .211 | .131 | 1 | .608 | .287 |
| 180 | 1921 | .707 | .157 | .172 | -.1 | 278 | 195 | 206 | .025 | .324 | -.1 | 962 | 195 | .256 | .084 | .169 | 1 | .561 | .648 |
| 180 | 1923 | .708 | .151 | .212 | -.1 | 274 | 195 | 207 | .618 | .187 | -.1 | 340 | 195 | .257 | .290 | .168 | 1 | .949 | .197 |
| 180 | 1924 | .720 | .145 | .282 | -.1 | 202 | 195 | 208 | .511 | .223 | -.1 | 229 | 195 | .258 | .515 | .168 | 1 | .146 | .020 |
| 180 | 1925 | .708 | .159 | .255 | -.1 | 204 | 195 | 209 | .443 | .216 | -.1 | 308 | 195 | .259 | .584 | .169 | 1 | .086 | .020 |
| 180 | 1926 | .744 | .172 | .113 | -.1 | 254 | 195 | 210 | .161 | .194 | -.1 | 827 | 195 | .260 | .571 | .188 | 1 | .322 | .066 |
| 180 | 1927 | .714 | .151 | .292 | -.1 | 250 | 195 | 211 | .509 | .207 | 1 | 128 | 195 | .261 | .498 | .149 | 1 | .971 | .032 |
| 180 | 1928 | .753 | .177 | .212 | -.1 | 567 | 195 | 212 | .455 | .198 | 1 | 016 | 195 | .262 | .391 | .152 | 1 | .956 | .130 |
| 180 | 1930 | .766 | .160 | .162 | -.1 | 293 | 195 | 213 | .143 | .185 | -.1 | 816 | 195 | .263 | .153 | .132 | 1 | .643 | .261 |
| 180 | 1932 | .723 | .145 | .249 | -.1 | 188 | 195 | 214 | .063 | .170 | -.1 | 579 | 195 | .264 | .146 | .113 | 1 | .508 | .243 |
| 180 | 1933 | .716 | .161 | .212 | -.1 | 188 | 195 | 215 | .195 | .156 | -.1 | 341 | 195 | .265 | .093 | .156 | 1 | .454 | .690 |
| 180 | 1934 | .729 | .166 | .113 | -.1 | 252 | 195 | 216 | .075 | .164 | -.1 | 513 | 195 | .266 | .338 | .169 | 1 | .979 | .145 |
| 180 | 1935 | .713 | .170 | .150 | -.1 | 252 | 195 | 217 | .001 | .172 | -.1 | 579 | 195 | .267 | .611 | .163 | 1 | .263 | .024 |
| 180 | 1936 | .716 | .169 | .117 | -.1 | 288 | 195 | 218 | .047 | .180 | -.1 | 757 | 195 | .268 | .604 | .191 | 1 | .283 | .033 |
| 180 | 1937 | .740 | .170 | .205 | -.1 | 378 | 195 | 219 | .134 | .158 | -.1 | 585 | 195 | .269 | .568 | .166 | 1 | .123 | .002 |
| 180 | 1939 | .706 | .156 | .245 | -.1 | 291 | 195 | 220 | .157 | .208 | -.1 | 902 | 195 | .270 | .533 | .157 | 1 | .042 | .046 |
| 180 | 1941 | .739 | .149 | .238 | -.1 | 225 | 195 | 221 | .551 | .211 | 1 | 216 | 195 | .271 | .384 | .152 | 1 | .912 | .056 |
| 180 | 1942 | .726 | .151 | .189 | -.1 | 299 | 195 | 222 | .652 | .200 | 1 | 261 | 195 | .272 | .144 | .139 | 1 | .743 | .464 |
| 180 | 1943 | .721 | .155 | .195 | -.1 | 173 | 195 | 223 | .593 | .195 | 1 | 281 | 195 | .273 | .010 | .113 | 1 | .429 | .411 |
| 180 | 1944 | .705 | .144 | .275 | -.1 | 124 | 195 | 224 | .540 | .198 | 1 | 194 | 195 | .301 | .617 | .179 | 1 | .385 | .395 |
| 180 | 1945 | .734 | .140 | .276 | -.1 | 140 | 195 | 225 | .468 | .192 | 1 | 064 | 195 | .302 | .625 | .193 | 1 | .053 | .419 |
| 180 | 1946 | .779 | .171 | .104 | -.1 | 328 | 195 | 226 | .457 | .187 | 1 | 199 | 195 | .303 | .621 | .171 | 1 | .001 | .258 |
| 195 | 101 | .354 | .146 | .139 | -.1 | 447 | 195 | 227 | .201 | .158 | -.1 | 849 | 195 | .304 | .655 | .202 | 1 | .026 | .452 |
| 195 | 102 | .265 | .143 | .271 | -.1 | 969 | 195 | 228 | .119 | .144 | -.1 | 414 | 195 | .305 | .678 | .188 | 1 | .051 | .571 |
| 195 | 103 | .245 | .149 | .259 | -.1 | 837 | 195 | 229 | .220 | .240 | -.1 | 629 | 195 | .306 | .678 | .202 | 1 | .122 | .560 |
| 195 | 104 | .296 | .157 | .240 | -.1 | 169 | 195 | 230 | .499 | .197 | 1 | 275 | 195 | .307 | .634 | .177 | 1 | .104 | .326 |
| 195 | 105 | .317 | .164 | .166 | -.1 | 472 | 195 | 231 | .687 | .184 | 1 | 273 | 195 | .308 | .654 | .192 | 1 | .070 | .582 |
| 195 | 106 | .390 | .138 | .166 | -.1 | 872 | 195 | 232 | .716 | .206 | 1 | 346 | 195 | .309 | .650 | .175 | 1 | .067 | .302 |
| 195 | 107 | .301 | .152 | .179 | -.1 | 922 | 195 | 233 | .665 | .166 | 1 | 193 | 195 | .310 | .661 | .204 | 1 | .184 | .624 |
| 195 | 108 | .227 | .160 | .229 | -.1 | 047 | 195 | 234 | .593 | .179 | 1 | 242 | 195 | .311 | .654 | .198 | 1 | .049 | .657 |
| 195 | 109 | .277 | .187 | .272 | -.1 | 486 | 195 | 235 | .507 | .177 | 1 | 112 | 195 | .312 | .666 | .227 | 1 | .045 | .822 |
| 195 | 110 | .350 | .224 | .380 | -.1 | 844 | 195 | 236 | .173 | .157 | 1 | 703 | 195 | .313 | .646 | .212 | 1 | .065 | .717 |
| 195 | 111 | .148 | .204 | .465 | -.1 | 067 | 195 | 237 | .258 | .137 | 1 | 240 | 195 | .314 | .603 | .219 | 1 | .039 | .477 |
| 195 | 112 | .377 | .192 | .234 | -.1 | 666 | 195 | 238 | .171 | .194 | -.1 | 449 | 195 | .401 | .264 | .151 | 1 | .298 | .068 |
| 195 | 113 | .497 | .192 | .125 | -.1 | 360 | 195 | 239 | .450 | .176 | 1 | 184 | 195 | .402 | .320 | .141 | 1 | .135 | .004 |
| 195 | 114 | .568 | .206 | .049 | -.1 | 179 | 195 | 240 | .636 | .189 | 1 | 307 | 195 | .403 | .599 | .148 | 1 | .114 | .062 |
| 195 | 115 | .451 | .216 | .217 | -.1 | 449 | 195 | 241 | .633 | .183 | 1 | 266 | 195 | .404 | .551 | .164 | 1 | .015 | .251 |
| 195 | 116 | .211 | .331 | .799 | -.1 | 263 | 195 | 242 | .654 | .178 | 1 | 184 | 195 | .405 | .799 | .215 | 1 | .180 | .650 |
| 195 | 120 | .263 | .194 | .232 | -.1 | 969 | 195 | 243 | .558 | .176 | 1 | 073 | 195 | .501 | .641 | .251 | 1 | .125 | .721 |
| 195 | 121 | .278 | .302 | .582 | -.1 | 187 | 195 | 244 | .448 | .154 | 1 | 994 | 195 | .502 | .555 | .242 | 1 | .265 | .738 |
| 195 | 125 | .340 | .187 | .318 | -.1 | 095 | 195 | 245 | .229 | .147 | 1 | 749 | 195 | .503 | .554 | .226 | 1 | .044 | .540 |
| 195 | 126 | .239 | .260 | .099 | -.1 | 070 | 195 | 246 | .084 | .119 | 1 | 513 | 195 | .504 | .603 | .205 | 1 | .248 | .826 |
| 195 | 130 | .289 | .177 | .426 | -.1 | 918 | 195 | 247 | .141 | .192 | -.1 | 761 | 195 | .505 | .619 | .250 | 1 | .248 | .826 |
| 195 | 131 | .196 | .263 | .001 | -.1 | 020 | 195 | 248 | .323 | .189 | 1 | 882 | 195 | .506 | .491 | .204 | 1 | .203 | .344 |

| MD | TAP | CPNEAH | CPRMS | CPMAX | CPMIN | MD | TAP | CPNEAH | CPRMS | CPMAX | CPMIN | MD | TAP | CPNEAH | CPRMS | CPMAX | CPMIN |
|-----|------|--------|-------|-------|--------|-----|------|--------|-------|-------|--------|-----|------|--------|-------|-------|--------|
| 195 | 507 | -.485 | .175 | .082 | -1.227 | 195 | 1108 | -.613 | .169 | -.082 | -1.178 | 195 | 1303 | -.617 | .145 | -.115 | -1.209 |
| 195 | 508 | -.424 | .170 | .467 | -1.066 | 195 | 1109 | -.641 | .163 | -.111 | -1.191 | 195 | 1305 | -.629 | .160 | -.169 | -1.211 |
| 195 | 509 | -.445 | .171 | .154 | -.988 | 195 | 1110 | -.615 | .154 | -.102 | -1.087 | 195 | 1307 | -.375 | .137 | -.016 | -.982 |
| 195 | 901 | -.432 | .193 | .075 | -1.280 | 195 | 1111 | -.640 | .208 | -.125 | -1.472 | 195 | 1309 | -.385 | .145 | -.016 | -1.037 |
| 195 | 902 | -.236 | .148 | .253 | -.856 | 195 | 1116 | -.582 | .243 | -.320 | -1.548 | 195 | 1311 | -.330 | .152 | -.040 | -1.056 |
| 195 | 903 | -.275 | .144 | .203 | -.710 | 195 | 1121 | -.596 | .196 | -.142 | -1.222 | 195 | 1313 | -.593 | .164 | -.003 | -1.224 |
| 195 | 904 | -.319 | .146 | .271 | -.786 | 195 | 1126 | -.563 | .190 | -.100 | -1.253 | 195 | 1911 | -.487 | .174 | -.257 | -1.093 |
| 195 | 905 | -.403 | .155 | .141 | -.965 | 195 | 1136 | -.497 | .209 | -.237 | -1.412 | 195 | 1913 | -.600 | .185 | -.086 | -1.226 |
| 195 | 906 | -.429 | .162 | .135 | -1.016 | 195 | 1221 | -.598 | .142 | -.180 | -1.091 | 195 | 1914 | -.324 | .164 | -.164 | -1.238 |
| 195 | 907 | -.458 | .159 | .180 | -1.177 | 195 | 1222 | -.626 | .132 | -.209 | -1.068 | 195 | 1915 | -.633 | .147 | -.156 | -1.205 |
| 195 | 908 | -.479 | .161 | .044 | -1.165 | 195 | 1223 | -.633 | .143 | -.136 | -1.152 | 195 | 1916 | -.601 | .158 | -.113 | -1.102 |
| 195 | 909 | -.573 | .182 | .082 | -1.202 | 195 | 1224 | -.621 | .147 | -.109 | -1.079 | 195 | 1917 | -.634 | .148 | -.171 | -1.145 |
| 195 | 910 | -.477 | .174 | .131 | -1.307 | 195 | 1225 | -.588 | .135 | -.165 | -1.035 | 195 | 1918 | -.631 | .148 | -.088 | -1.097 |
| 195 | 911 | -.383 | .182 | .210 | -1.160 | 195 | 1226 | -.594 | .122 | -.208 | -.983 | 195 | 1921 | -.616 | .174 | -.042 | -1.207 |
| 195 | 912 | -.311 | .154 | .121 | -1.000 | 195 | 1227 | -.591 | .133 | -.151 | -1.126 | 195 | 1923 | -.639 | .166 | -.063 | -1.342 |
| 195 | 913 | -.319 | .143 | .192 | -.891 | 195 | 1230 | -.632 | .134 | -.132 | -1.139 | 195 | 1924 | -.612 | .155 | -.030 | -1.170 |
| 195 | 914 | -.284 | .141 | .278 | -.764 | 195 | 1231 | -.639 | .127 | -.206 | -1.055 | 195 | 1925 | -.622 | .152 | -.102 | -1.170 |
| 195 | 915 | -.392 | .153 | .183 | -.926 | 195 | 1232 | -.630 | .133 | -.206 | -1.093 | 195 | 1926 | -.620 | .145 | -.175 | -1.126 |
| 195 | 916 | -.420 | .146 | .171 | -1.078 | 195 | 1233 | -.611 | .132 | -.123 | -1.062 | 195 | 1927 | -.616 | .137 | -.131 | -1.050 |
| 195 | 917 | -.451 | .167 | .190 | -1.275 | 195 | 1234 | -.606 | .130 | -.202 | -1.058 | 195 | 1928 | -.625 | .145 | -.156 | -1.106 |
| 195 | 918 | -.545 | .172 | .004 | -1.228 | 195 | 1235 | -.586 | .145 | -.145 | -1.108 | 195 | 1930 | -.596 | .162 | -.078 | -1.114 |
| 195 | 919 | -.583 | .173 | .212 | -1.137 | 195 | 1236 | -.606 | .142 | -.138 | -1.154 | 195 | 1932 | -.636 | .173 | -.109 | -1.273 |
| 195 | 920 | -.531 | .172 | .052 | -1.278 | 195 | 1239 | -.632 | .144 | -.233 | -1.170 | 195 | 1933 | -.617 | .145 | -.171 | -1.182 |
| 195 | 921 | -.447 | .202 | .040 | -1.341 | 195 | 1240 | -.647 | .138 | -.224 | -1.157 | 195 | 1934 | -.649 | .145 | -.175 | -1.182 |
| 195 | 922 | -.369 | .162 | .228 | -1.494 | 195 | 1241 | -.626 | .137 | -.162 | -1.104 | 195 | 1935 | -.614 | .158 | -.038 | -1.112 |
| 195 | 923 | -.382 | .139 | .087 | -.846 | 195 | 1242 | -.630 | .133 | -.131 | -1.093 | 195 | 1936 | -.615 | .139 | -.191 | -1.106 |
| 195 | 924 | -.265 | .137 | .177 | -.811 | 195 | 1243 | -.589 | .146 | -.011 | -1.134 | 195 | 1937 | -.629 | .142 | -.193 | -1.056 |
| 195 | 925 | -.392 | .174 | .366 | -1.115 | 195 | 1244 | -.570 | .136 | -.138 | -1.005 | 195 | 1939 | -.616 | .149 | -.179 | -1.128 |
| 195 | 926 | -.445 | .181 | .130 | -1.238 | 195 | 1245 | -.599 | .133 | -.116 | -1.106 | 195 | 1941 | -.617 | .144 | -.175 | -1.100 |
| 195 | 927 | -.491 | .167 | .060 | -1.082 | 195 | 1248 | -.620 | .153 | -.142 | -1.088 | 195 | 1942 | -.653 | .164 | -.036 | -1.255 |
| 195 | 928 | -.453 | .164 | .122 | -1.078 | 195 | 1249 | -.658 | .142 | -.167 | -1.104 | 195 | 1943 | -.619 | .146 | -.104 | -1.110 |
| 195 | 929 | -.596 | .214 | .135 | -1.480 | 195 | 1250 | -.637 | .144 | -.165 | -1.104 | 195 | 1944 | -.591 | .138 | -.169 | -1.083 |
| 195 | 930 | -.474 | .216 | .058 | -1.515 | 195 | 1251 | -.612 | .136 | -.193 | -1.112 | 195 | 1945 | -.612 | .139 | -.100 | -1.081 |
| 195 | 931 | -.414 | .156 | .117 | -1.142 | 195 | 1252 | -.591 | .138 | -.121 | -1.099 | 195 | 1946 | -.637 | .148 | -.158 | -1.155 |
| 195 | 932 | -.466 | .167 | .118 | -1.152 | 195 | 1253 | -.554 | .150 | -.072 | -1.055 | 210 | 101 | -.412 | .141 | -.076 | -.827 |
| 195 | 933 | -.382 | .177 | .327 | -.983 | 195 | 1254 | -.547 | .142 | -.034 | -.963 | 210 | 102 | -.285 | .150 | -.291 | -.774 |
| 195 | 934 | -.519 | .192 | .354 | -1.199 | 195 | 1257 | -.639 | .143 | -.114 | -1.130 | 210 | 103 | -.213 | .137 | -.219 | -.669 |
| 195 | 935 | -.541 | .196 | .113 | -1.271 | 195 | 1258 | -.620 | .164 | -.040 | -1.165 | 210 | 104 | -.213 | .154 | -.362 | -.733 |
| 195 | 936 | -.555 | .185 | .210 | -1.267 | 195 | 1259 | -.639 | .150 | -.120 | -1.211 | 210 | 105 | -.261 | .140 | -.192 | -.812 |
| 195 | 937 | -.467 | .198 | .224 | -1.148 | 195 | 1260 | -.605 | .139 | -.091 | -.989 | 210 | 106 | -.434 | .134 | -.064 | -.841 |
| 195 | 938 | -.649 | .217 | .022 | -1.610 | 195 | 1261 | -.584 | .137 | -.074 | -1.049 | 210 | 107 | -.251 | .135 | -.147 | -.731 |
| 195 | 939 | -.513 | .213 | .017 | -1.624 | 195 | 1262 | -.559 | .136 | -.114 | -.967 | 210 | 108 | -.019 | .160 | -.547 | -.600 |
| 195 | 940 | -.571 | .174 | .044 | -1.319 | 195 | 1263 | -.548 | .143 | -.065 | -.994 | 210 | 109 | -.004 | .139 | -.461 | -.456 |
| 195 | 941 | -.811 | .189 | .166 | -1.678 | 195 | 1266 | -.613 | .136 | -.171 | -1.066 | 210 | 110 | -.006 | .154 | -.432 | -.505 |
| 195 | 942 | -.715 | .221 | .012 | -1.624 | 195 | 1267 | -.607 | .135 | -.171 | -1.027 | 210 | 111 | -.053 | .161 | -.576 | -.836 |
| 195 | 943 | -.695 | .217 | .218 | -1.517 | 195 | 1268 | -.606 | .147 | -.136 | -1.128 | 210 | 112 | -.060 | .164 | -.427 | -.814 |
| 195 | 944 | -.699 | .215 | .128 | -1.575 | 195 | 1269 | -.582 | .144 | -.043 | -1.022 | 210 | 113 | -.231 | .166 | -.256 | -.794 |
| 195 | 945 | -.678 | .217 | .155 | -1.562 | 195 | 1270 | -.583 | .139 | -.096 | -.978 | 210 | 114 | -.254 | .174 | -.213 | -.935 |
| 195 | 946 | -.591 | .256 | .407 | -1.680 | 195 | 1271 | -.522 | .129 | -.081 | -.954 | 210 | 115 | -.490 | .150 | -.017 | -1.008 |
| 195 | 1107 | -.601 | .189 | .057 | -1.404 | 195 | 1272 | -.556 | .140 | -.063 | -1.135 | 210 | 116 | -.086 | .292 | -.783 | -1.416 |

| WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN |
|-----|-----|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|
| 210 | 120 | .343 | .143 | .078 | -.053 | 210 | 243 | .494 | .148 | 1.026 | -.040 | 210 | 501 | -.463 | .250 | .417 | -1.940 |
| 210 | 121 | .266 | .322 | .547 | -1.357 | 210 | 244 | .353 | .153 | .921 | -.124 | 210 | 502 | -.421 | .237 | .470 | -1.325 |
| 210 | 123 | .393 | .139 | .094 | -.065 | 210 | 245 | .175 | .137 | .724 | -.271 | 210 | 503 | -.421 | .199 | .384 | -1.225 |
| 210 | 126 | .223 | .356 | .680 | -1.494 | 210 | 246 | .122 | .124 | .509 | -.312 | 210 | 504 | -.501 | .193 | .174 | -1.431 |
| 210 | 130 | .369 | .140 | .094 | -.059 | 210 | 247 | .113 | .213 | .922 | -.638 | 210 | 505 | -.447 | .201 | .282 | -1.443 |
| 210 | 131 | .290 | .340 | .473 | -1.640 | 210 | 248 | .472 | .211 | 1.302 | -.137 | 210 | 506 | -.383 | .177 | .384 | -1.066 |
| 210 | 135 | .503 | .149 | .020 | -1.021 | 210 | 249 | .601 | .166 | .305 | -.017 | 210 | 507 | -.388 | .181 | .423 | -.966 |
| 210 | 136 | .344 | .297 | .448 | -1.570 | 210 | 250 | .569 | .169 | .078 | -.031 | 210 | 508 | -.388 | .186 | .487 | -1.004 |
| 210 | 201 | .337 | .251 | .987 | -1.536 | 210 | 251 | .310 | .157 | .191 | -.010 | 210 | 509 | -.388 | .206 | .574 | -1.078 |
| 210 | 202 | .193 | .191 | .871 | -.407 | 210 | 252 | .457 | .133 | .055 | -.038 | 210 | 901 | -.373 | .153 | .077 | -1.384 |
| 210 | 203 | .187 | .182 | .424 | -.790 | 210 | 253 | .318 | .147 | .791 | -.208 | 210 | 902 | -.377 | .179 | .064 | -1.376 |
| 210 | 204 | .008 | .464 | .480 | -1.326 | 210 | 254 | .204 | .127 | .685 | -.286 | 210 | 903 | -.398 | .151 | .017 | -.959 |
| 210 | 205 | .010 | .295 | .080 | -.902 | 210 | 255 | .221 | .131 | .615 | -.314 | 210 | 904 | -.427 | .123 | .016 | -.829 |
| 210 | 206 | .134 | .307 | .638 | -1.444 | 210 | 256 | .133 | .193 | .907 | -.426 | 210 | 905 | -.332 | .137 | .077 | -1.043 |
| 210 | 207 | .585 | .177 | .253 | -1.266 | 210 | 257 | .448 | .193 | 1.185 | -.149 | 210 | 906 | -.338 | .148 | .005 | -1.068 |
| 210 | 208 | .493 | .215 | .270 | -1.387 | 210 | 258 | .609 | .182 | .233 | -.045 | 210 | 907 | -.348 | .140 | .083 | -1.019 |
| 210 | 209 | .452 | .235 | .230 | -1.387 | 210 | 259 | .557 | .148 | .133 | -.011 | 210 | 908 | -.602 | .153 | .083 | -1.264 |
| 210 | 210 | .500 | .235 | .222 | -.337 | 210 | 260 | .526 | .169 | .099 | -.064 | 210 | 909 | -.675 | .172 | .065 | -1.527 |
| 210 | 211 | .664 | .239 | .385 | -.077 | 210 | 261 | .470 | .137 | .091 | -.062 | 210 | 910 | -.605 | .148 | .130 | -1.213 |
| 210 | 212 | .434 | .162 | .933 | -.223 | 210 | 262 | .337 | .135 | .831 | -.093 | 210 | 911 | -.622 | .167 | .005 | -1.285 |
| 210 | 213 | .122 | .179 | .723 | -.659 | 210 | 263 | .163 | .120 | .594 | -.244 | 210 | 912 | -.634 | .193 | .037 | -1.466 |
| 210 | 214 | .015 | .167 | .604 | -.606 | 210 | 264 | .203 | .120 | .621 | -.215 | 210 | 913 | -.431 | .137 | .013 | -.918 |
| 210 | 215 | .191 | .162 | .393 | -.761 | 210 | 265 | .044 | .169 | .646 | -.585 | 210 | 914 | -.366 | .147 | .077 | -.936 |
| 210 | 216 | .089 | .163 | .462 | -.585 | 210 | 266 | .434 | .151 | .091 | -.074 | 210 | 915 | -.441 | .130 | .069 | -.895 |
| 210 | 217 | .052 | .160 | .642 | -.555 | 210 | 267 | .628 | .193 | .212 | -.053 | 210 | 916 | -.451 | .139 | .026 | -.905 |
| 210 | 218 | .041 | .132 | .448 | -.564 | 210 | 268 | .609 | .166 | .200 | -.123 | 210 | 917 | -.467 | .139 | .023 | -.990 |
| 210 | 219 | .238 | .140 | .219 | -.811 | 210 | 269 | .548 | .157 | .070 | -.025 | 210 | 918 | -.368 | .175 | .046 | -1.131 |
| 210 | 220 | .507 | .222 | .158 | -.192 | 210 | 270 | .478 | .157 | .017 | -.016 | 210 | 919 | -.658 | .174 | .013 | -1.506 |
| 210 | 221 | .717 | .225 | .315 | -.053 | 210 | 271 | .377 | .141 | .869 | -.009 | 210 | 920 | -.747 | .180 | .063 | -1.415 |
| 210 | 222 | .667 | .188 | .206 | -.058 | 210 | 272 | .163 | .116 | .589 | -.252 | 210 | 921 | -.827 | .186 | .220 | -1.658 |
| 210 | 223 | .544 | .183 | .066 | -.045 | 210 | 273 | .079 | .110 | .496 | -.335 | 210 | 922 | -.777 | .286 | .014 | -1.836 |
| 210 | 224 | .459 | .184 | .992 | -.108 | 210 | 301 | .592 | .151 | .062 | -.309 | 210 | 923 | -.433 | .167 | .077 | -.967 |
| 210 | 225 | .396 | .166 | .963 | -.170 | 210 | 302 | .596 | .152 | .007 | -1.292 | 210 | 924 | -.277 | .143 | .229 | -.830 |
| 210 | 226 | .300 | .162 | .810 | -.323 | 210 | 303 | .553 | .142 | .138 | -1.070 | 210 | 925 | -.324 | .144 | .192 | -.893 |
| 210 | 227 | .069 | .153 | .592 | -.436 | 210 | 304 | .563 | .143 | .035 | -1.095 | 210 | 926 | -.369 | .155 | .153 | -1.035 |
| 210 | 228 | .211 | .130 | .319 | -.634 | 210 | 305 | .582 | .141 | .122 | -1.106 | 210 | 927 | -.428 | .175 | .202 | -1.601 |
| 210 | 229 | .088 | .247 | .934 | -.708 | 210 | 306 | .567 | .139 | .092 | -1.042 | 210 | 928 | -.425 | .182 | .256 | -1.072 |
| 210 | 230 | .652 | .184 | .263 | -.064 | 210 | 307 | .625 | .176 | .179 | -1.550 | 210 | 929 | -.947 | .184 | .308 | -1.488 |
| 210 | 231 | .729 | .189 | .353 | -.125 | 210 | 308 | .587 | .139 | .043 | -1.254 | 210 | 930 | -.639 | .208 | .290 | -1.806 |
| 210 | 232 | .675 | .186 | .273 | -.098 | 210 | 309 | .525 | .142 | .116 | -1.002 | 210 | 931 | -.699 | .287 | .082 | -1.842 |
| 210 | 233 | .592 | .193 | .196 | -.079 | 210 | 310 | .501 | .135 | .005 | -1.059 | 210 | 932 | -.491 | .152 | .063 | -1.061 |
| 210 | 234 | .499 | .150 | .961 | -.013 | 210 | 311 | .503 | .132 | .050 | -1.184 | 210 | 933 | -.201 | .144 | .340 | -.864 |
| 210 | 235 | .373 | .164 | .969 | -.072 | 210 | 312 | .493 | .128 | .005 | -.972 | 210 | 934 | -.300 | .154 | .151 | -1.049 |
| 210 | 236 | .051 | .144 | .504 | -.413 | 210 | 313 | .490 | .137 | .011 | -.936 | 210 | 935 | -.392 | .173 | .204 | -1.248 |
| 210 | 237 | .297 | .127 | .103 | -.767 | 210 | 314 | .512 | .135 | .054 | -1.023 | 210 | 936 | -.420 | .188 | .161 | -1.234 |
| 210 | 238 | .075 | .242 | .921 | -.721 | 210 | 401 | .367 | .141 | .064 | -.886 | 210 | 937 | -.352 | .163 | .227 | -.981 |
| 210 | 239 | .602 | .205 | .254 | -.112 | 210 | 402 | .448 | .145 | .014 | -1.129 | 210 | 938 | -.170 | .209 | .210 | -1.731 |
| 210 | 240 | .659 | .192 | .267 | -.087 | 210 | 403 | .391 | .188 | .049 | -1.260 | 210 | 939 | -.170 | .335 | .048 | -2.118 |
| 210 | 241 | .635 | .185 | .281 | -.096 | 210 | 404 | .609 | .185 | .003 | -1.505 | 210 | 940 | -.566 | .229 | .030 | -2.138 |
| 210 | 242 | .572 | .161 | .183 | -.077 | 210 | 405 | .618 | .179 | .124 | -1.454 | 210 | 941 | -.753 | .176 | .027 | -1.422 |

| WD | TAP | CPNEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPNEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPNEAN | CPRMS | CPMAX | CPMIN |
|-----|------|--------|-------|-------|--------|-----|------|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|
| 210 | 942 | -.435 | -.164 | .118 | -1.170 | 210 | 1267 | -.349 | .130 | -.042 | -1.109 | 225 | 111 | .291 | .160 | .812 | -.280 |
| 210 | 943 | -.559 | -.186 | .038 | -1.472 | 210 | 1268 | -.577 | .143 | -.089 | -1.007 | 225 | 112 | .046 | .153 | .628 | -.412 |
| 210 | 944 | -.532 | -.216 | .309 | -1.394 | 210 | 1269 | -.383 | .140 | -.028 | -1.160 | 225 | 113 | -.075 | .140 | .417 | -.518 |
| 210 | 945 | -.528 | -.200 | .112 | -1.357 | 210 | 1270 | -.393 | .139 | -.172 | -1.126 | 225 | 114 | -.037 | .149 | .534 | -.304 |
| 210 | 946 | -.412 | -.219 | .302 | -1.211 | 210 | 1271 | -.378 | .158 | -.064 | -1.111 | 225 | 115 | -.340 | .164 | .251 | -.948 |
| 210 | 1107 | -.171 | -.261 | .818 | -1.083 | 210 | 1272 | -.302 | .148 | .015 | -1.030 | 225 | 116 | -.342 | .206 | .909 | -.680 |
| 210 | 1108 | -.485 | -.233 | .268 | -1.258 | 210 | 1303 | -.386 | .158 | .081 | -1.113 | 225 | 120 | -.248 | .143 | .243 | -.713 |
| 210 | 1109 | -.600 | -.185 | -.063 | -1.286 | 210 | 1305 | -.440 | .147 | .066 | -.922 | 225 | 121 | -.200 | .264 | .845 | -.769 |
| 210 | 1110 | -.586 | -.173 | -.063 | -1.274 | 210 | 1307 | -.274 | .188 | .634 | -.810 | 225 | 125 | -.313 | .124 | .190 | -.729 |
| 210 | 1111 | -.569 | -.255 | .256 | -1.563 | 210 | 1309 | -.410 | .149 | .028 | -.987 | 225 | 126 | -.002 | .318 | .711 | -.561 |
| 210 | 1116 | -.037 | -.243 | .791 | -.816 | 210 | 1311 | -.303 | .151 | .166 | -.786 | 225 | 130 | -.288 | .137 | .222 | -.816 |
| 210 | 1121 | -.219 | -.256 | .911 | -.885 | 210 | 1313 | -.267 | .171 | .297 | -.639 | 225 | 131 | -.002 | .368 | .786 | -.523 |
| 210 | 1126 | -.162 | -.306 | .897 | -.920 | 210 | 1911 | -.043 | .243 | .785 | -.763 | 225 | 135 | -.427 | .133 | .058 | -.836 |
| 210 | 1136 | -.145 | -.258 | .903 | -.859 | 210 | 1913 | -.265 | .245 | .494 | -1.032 | 225 | 136 | -.195 | .309 | .689 | -.297 |
| 210 | 1221 | -.485 | -.157 | .019 | -1.103 | 210 | 1914 | -.062 | .208 | .392 | -.873 | 225 | 201 | .344 | .222 | .075 | -.482 |
| 210 | 1222 | -.330 | -.141 | -.006 | -1.071 | 210 | 1915 | -.309 | .176 | .195 | -.965 | 225 | 202 | -.108 | .167 | .575 | -.565 |
| 210 | 1223 | -.539 | -.147 | -.072 | -1.045 | 210 | 1916 | -.403 | .163 | -.048 | -.969 | 225 | 203 | -.316 | .163 | .230 | -.963 |
| 210 | 1224 | -.533 | -.143 | -.102 | -1.007 | 210 | 1917 | -.465 | .144 | -.006 | -1.069 | 225 | 204 | -.266 | .376 | .981 | -.783 |
| 210 | 1225 | -.569 | -.145 | -.108 | -1.075 | 210 | 1918 | -.447 | .155 | .040 | -.975 | 225 | 205 | -.130 | .264 | .734 | -.944 |
| 210 | 1226 | -.526 | -.132 | -.110 | -.980 | 210 | 1921 | -.410 | .191 | .175 | -1.105 | 225 | 206 | -.129 | .263 | .581 | -.924 |
| 210 | 1227 | -.565 | -.121 | -.119 | -.948 | 210 | 1923 | -.440 | .203 | .344 | -1.046 | 225 | 207 | -.522 | .173 | .498 | -.195 |
| 210 | 1230 | -.561 | -.148 | -.053 | -1.086 | 210 | 1924 | -.366 | .244 | .386 | -1.040 | 225 | 208 | -.389 | .163 | .118 | -.029 |
| 210 | 1231 | -.582 | -.143 | -.148 | -1.069 | 210 | 1925 | -.420 | .198 | .215 | -1.136 | 225 | 209 | -.340 | .193 | .249 | -1.125 |
| 210 | 1232 | -.567 | -.148 | -.066 | -1.001 | 210 | 1926 | -.477 | .165 | .044 | -.993 | 225 | 210 | -.672 | .239 | .291 | -.266 |
| 210 | 1233 | -.581 | -.145 | -.121 | -1.092 | 210 | 1927 | -.538 | .149 | .071 | -.995 | 225 | 211 | -.821 | .268 | .239 | -.056 |
| 210 | 1234 | -.562 | -.157 | .030 | -1.111 | 210 | 1928 | -.533 | .148 | -.135 | -1.042 | 225 | 212 | .307 | .171 | .932 | -.282 |
| 210 | 1235 | -.553 | -.149 | -.062 | -1.064 | 210 | 1930 | -.551 | .168 | -.031 | -1.073 | 225 | 213 | -.027 | .158 | .589 | -.536 |
| 210 | 1236 | -.565 | -.138 | .021 | -1.096 | 210 | 1932 | -.613 | .175 | -.039 | -1.031 | 225 | 214 | -.016 | .141 | .440 | -.592 |
| 210 | 1239 | -.555 | -.155 | -.131 | -1.113 | 210 | 1933 | -.598 | .187 | .140 | -1.168 | 225 | 215 | -.159 | .149 | .290 | -.656 |
| 210 | 1240 | -.572 | -.147 | -.038 | -1.105 | 210 | 1934 | -.579 | .174 | -.039 | -1.176 | 225 | 216 | -.086 | .137 | .336 | -.689 |
| 210 | 1241 | -.567 | -.146 | -.095 | -1.060 | 210 | 1935 | -.583 | .149 | -.033 | -1.032 | 225 | 217 | -.088 | .138 | .458 | -.509 |
| 210 | 1242 | -.576 | -.144 | -.117 | -1.045 | 210 | 1936 | -.565 | .148 | -.124 | -1.103 | 225 | 218 | -.158 | .144 | .313 | -.733 |
| 210 | 1243 | -.590 | -.147 | -.132 | -1.098 | 210 | 1937 | -.554 | .143 | .070 | -1.056 | 225 | 219 | -.316 | .125 | .114 | -.741 |
| 210 | 1244 | -.557 | -.146 | -.119 | -1.028 | 210 | 1939 | -.571 | .174 | .031 | -1.083 | 225 | 220 | .777 | .213 | .328 | -.054 |
| 210 | 1245 | -.593 | -.137 | -.113 | -1.124 | 210 | 1941 | -.585 | .170 | .122 | -1.189 | 225 | 221 | .702 | .204 | .315 | -.049 |
| 210 | 1248 | -.579 | -.153 | -.055 | -1.211 | 210 | 1942 | -.587 | .155 | .010 | -1.091 | 225 | 222 | .503 | .161 | .991 | -.003 |
| 210 | 1249 | -.592 | -.157 | -.055 | -1.149 | 210 | 1943 | -.588 | .141 | .149 | -1.148 | 225 | 223 | .411 | .159 | .907 | -.133 |
| 210 | 1250 | -.592 | -.156 | -.134 | -1.149 | 210 | 1944 | -.580 | .141 | -.135 | -1.010 | 225 | 224 | .340 | .149 | .905 | -.224 |
| 210 | 1251 | -.582 | -.143 | -.042 | -1.154 | 210 | 1945 | -.578 | .143 | -.102 | -1.130 | 225 | 225 | .236 | .153 | .724 | -.278 |
| 210 | 1252 | -.588 | -.138 | -.187 | -1.137 | 210 | 1946 | -.580 | .148 | -.137 | -1.124 | 225 | 226 | -.152 | .147 | .711 | -.420 |
| 210 | 1253 | -.560 | -.143 | -.000 | -1.079 | 225 | 101 | -.380 | .138 | .146 | -.832 | 225 | 227 | -.088 | .129 | .314 | -.587 |
| 210 | 1254 | -.545 | -.150 | -.009 | -1.153 | 225 | 102 | -.198 | .156 | .337 | -.729 | 225 | 228 | -.298 | .129 | .129 | -.803 |
| 210 | 1257 | -.593 | -.163 | -.131 | -1.209 | 225 | 103 | -.078 | .165 | .397 | -.633 | 225 | 229 | .612 | .253 | .129 | -.403 |
| 210 | 1258 | -.598 | -.157 | -.088 | -1.170 | 225 | 104 | -.048 | .153 | .512 | -.697 | 225 | 230 | .729 | .207 | .129 | -.091 |
| 210 | 1259 | -.588 | -.139 | -.138 | -1.141 | 225 | 105 | -.093 | .158 | .413 | -.679 | 225 | 231 | .635 | .175 | .129 | -.083 |
| 210 | 1260 | -.588 | -.150 | -.053 | -1.065 | 225 | 106 | -.364 | .141 | .202 | -.938 | 225 | 232 | .509 | .167 | .078 | -.070 |
| 210 | 1261 | -.604 | -.142 | -.053 | -1.098 | 225 | 107 | -.093 | .143 | .479 | -.531 | 225 | 233 | .451 | .153 | .989 | -.113 |
| 210 | 1262 | -.540 | -.144 | -.027 | -1.028 | 225 | 108 | -.233 | .162 | .877 | -.323 | 225 | 234 | .312 | .150 | .853 | -.113 |
| 210 | 1263 | -.522 | -.149 | -.040 | -1.134 | 225 | 109 | -.278 | .182 | .772 | -.349 | 225 | 235 | -.189 | .142 | .691 | -.282 |
| 210 | 1266 | -.577 | -.149 | -.074 | -1.064 | 225 | 110 | -.297 | .162 | .776 | -.278 | 225 | 236 | -.109 | .118 | .361 | -.529 |

| WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN |
|-----|-----|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|-----|------|--------|-------|-------|--------|
| 225 | 237 | -.390 | .119 | -.046 | -.845 | 225 | 314 | -.538 | .128 | -.048 | -.967 | 225 | 936 | -.152 | .179 | .443 | -1.030 |
| 225 | 238 | -.497 | .262 | 1.141 | -.341 | 225 | 401 | -.405 | .137 | -.128 | -.886 | 225 | 937 | -.060 | .192 | .859 | -.844 |
| 225 | 239 | -.675 | .187 | 1.292 | .011 | 225 | 402 | -.495 | .133 | -.018 | -.992 | 225 | 938 | -1.134 | .190 | -.539 | -1.751 |
| 225 | 240 | -.639 | .171 | 1.203 | -.087 | 225 | 403 | -.760 | .146 | -.213 | -1.227 | 225 | 939 | -1.254 | .209 | -.656 | -2.274 |
| 225 | 241 | -.528 | .162 | 1.090 | -.072 | 225 | 404 | -.937 | .199 | -.229 | -1.699 | 225 | 940 | -1.342 | .417 | -.020 | -2.868 |
| 225 | 242 | -.441 | .158 | .934 | -.030 | 225 | 405 | -.841 | .254 | -.089 | -1.757 | 225 | 941 | -.897 | .216 | -.103 | -1.678 |
| 225 | 243 | -.311 | .136 | .824 | -.119 | 225 | 501 | -.232 | .238 | .789 | -1.075 | 225 | 942 | -.415 | .140 | .043 | -.983 |
| 225 | 244 | -.219 | .123 | .701 | -.150 | 225 | 502 | -.189 | .262 | .831 | -1.105 | 225 | 943 | -.367 | .140 | .023 | -.921 |
| 225 | 245 | -.057 | .130 | .487 | -.418 | 225 | 503 | -.209 | .253 | .656 | -1.304 | 225 | 944 | -.333 | .165 | .124 | -.951 |
| 225 | 246 | -.046 | .121 | .429 | -.326 | 225 | 504 | -.346 | .217 | .498 | -1.284 | 225 | 945 | -.233 | .182 | .358 | -.891 |
| 225 | 247 | -.434 | .244 | 1.081 | -.469 | 225 | 505 | -.113 | .180 | .630 | -.898 | 225 | 946 | -.134 | .192 | .746 | -.996 |
| 225 | 248 | -.599 | .185 | 1.204 | -.035 | 225 | 506 | -.074 | .180 | .763 | -.641 | 225 | 1107 | -.233 | .192 | .607 | -1.044 |
| 225 | 249 | -.551 | .157 | 1.033 | -.003 | 225 | 507 | -.099 | .183 | .718 | -.790 | 225 | 1108 | -.305 | .178 | .122 | -1.020 |
| 225 | 250 | -.481 | .151 | 1.010 | -.060 | 225 | 508 | -.180 | .163 | .433 | -.717 | 225 | 1109 | -.580 | .162 | -.006 | -1.130 |
| 225 | 251 | -.388 | .146 | .872 | -.032 | 225 | 509 | -.221 | .187 | .492 | -.862 | 225 | 1110 | -.573 | .141 | -.020 | -1.030 |
| 225 | 252 | -.323 | .137 | .824 | -.103 | 225 | 901 | -.785 | .228 | -.231 | -2.016 | 225 | 1111 | -.569 | .223 | .204 | -1.392 |
| 225 | 253 | -.222 | .133 | .750 | -.238 | 225 | 902 | -.802 | .228 | -.131 | -1.719 | 225 | 1112 | -.003 | .209 | .663 | -.930 |
| 225 | 254 | -.097 | .123 | .495 | -.302 | 225 | 903 | -.488 | .137 | -.086 | -.926 | 225 | 1121 | -.340 | .173 | .898 | -.182 |
| 225 | 255 | -.163 | .125 | .624 | -.289 | 225 | 904 | -.559 | .123 | -.101 | -1.101 | 225 | 1126 | -.330 | .179 | .842 | -.196 |
| 225 | 256 | -.402 | .230 | 1.222 | -.382 | 225 | 905 | -.527 | .118 | -.129 | -.966 | 225 | 1136 | -.286 | .181 | .894 | -.206 |
| 225 | 257 | -.553 | .173 | 1.026 | -.206 | 225 | 906 | -.568 | .127 | -.137 | -1.041 | 225 | 1221 | -.499 | .143 | -.008 | -1.003 |
| 225 | 258 | -.531 | .167 | 1.039 | -.086 | 225 | 907 | -.580 | .130 | -.105 | -1.091 | 225 | 1222 | -.548 | .132 | -.072 | -1.063 |
| 225 | 259 | -.459 | .168 | 1.037 | -.090 | 225 | 908 | -.620 | .137 | -.227 | -1.117 | 225 | 1223 | -.580 | .126 | -.089 | -1.021 |
| 225 | 260 | -.418 | .141 | .962 | -.066 | 225 | 909 | -.692 | .171 | -.141 | -1.314 | 225 | 1224 | -.578 | .131 | -.025 | -1.048 |
| 225 | 261 | -.288 | .142 | .744 | -.278 | 225 | 910 | -.800 | .197 | -.241 | -1.956 | 225 | 1225 | -.571 | .126 | -.087 | -1.005 |
| 225 | 262 | -.204 | .140 | .695 | -.199 | 225 | 911 | -.796 | .166 | -.270 | -1.535 | 225 | 1226 | -.548 | .130 | -.072 | -1.077 |
| 225 | 263 | -.085 | .122 | .497 | -.346 | 225 | 912 | -.751 | .192 | -.137 | -1.629 | 225 | 1227 | -.554 | .125 | -.116 | -.971 |
| 225 | 264 | -.129 | .126 | .566 | -.264 | 225 | 913 | -.544 | .134 | -.040 | -1.010 | 225 | 1230 | -.590 | .131 | -.112 | -1.065 |
| 225 | 265 | -.224 | .203 | 1.104 | -.388 | 225 | 914 | -.696 | .165 | -.052 | -1.373 | 225 | 1231 | -.607 | .123 | -.160 | -1.038 |
| 225 | 266 | -.531 | .197 | 1.175 | -.076 | 225 | 915 | -.392 | .124 | -.069 | -.792 | 225 | 1232 | -.584 | .134 | -.122 | -1.030 |
| 225 | 267 | -.575 | .156 | 1.063 | -.027 | 225 | 916 | -.456 | .117 | -.006 | -.826 | 225 | 1233 | -.588 | .136 | -.110 | -.990 |
| 225 | 268 | -.488 | .177 | 1.140 | -.039 | 225 | 917 | -.462 | .122 | -.054 | -.870 | 225 | 1234 | -.594 | .145 | -.085 | -1.146 |
| 225 | 269 | -.428 | .159 | 1.043 | -.033 | 225 | 918 | -.610 | .149 | -.115 | -1.234 | 225 | 1235 | -.587 | .136 | -.110 | -1.055 |
| 225 | 270 | -.341 | .142 | .792 | -.230 | 225 | 919 | -.684 | .158 | -.202 | -1.295 | 225 | 1236 | -.610 | .133 | -.145 | -1.071 |
| 225 | 271 | -.215 | .132 | .724 | -.193 | 225 | 920 | -.868 | .154 | -.382 | -1.372 | 225 | 1239 | -.622 | .137 | -.176 | -1.017 |
| 225 | 272 | -.034 | .122 | .443 | -.430 | 225 | 921 | -.904 | .146 | -.343 | -1.499 | 225 | 1240 | -.622 | .127 | -.168 | -1.046 |
| 225 | 273 | -.003 | .124 | .382 | -.423 | 225 | 922 | -.906 | .191 | -.272 | -1.727 | 225 | 1241 | -.625 | .127 | -.170 | -1.011 |
| 225 | 301 | -.662 | .148 | .164 | -1.231 | 225 | 923 | -.667 | .140 | -.206 | -1.177 | 225 | 1242 | -.623 | .127 | -.174 | -1.065 |
| 225 | 302 | -.619 | .158 | .110 | -1.139 | 225 | 924 | -.496 | .208 | -.136 | -.276 | 225 | 1243 | -.616 | .135 | -.191 | -1.082 |
| 225 | 303 | -.619 | .133 | .139 | -1.064 | 225 | 925 | -.218 | .134 | -.253 | -.834 | 225 | 1244 | -.620 | .135 | -.208 | -1.119 |
| 225 | 304 | -.631 | .142 | .108 | -1.050 | 225 | 926 | -.250 | .120 | -.113 | -.634 | 225 | 1245 | -.605 | .148 | -.118 | -1.140 |
| 225 | 305 | -.639 | .128 | .181 | -1.070 | 225 | 927 | -.233 | .138 | -.206 | -.848 | 225 | 1248 | -.593 | .129 | -.147 | -1.208 |
| 225 | 306 | -.627 | .133 | .166 | -1.088 | 225 | 928 | -.244 | .179 | -.445 | -.757 | 225 | 1249 | -.623 | .129 | -.208 | -1.100 |
| 225 | 307 | -.656 | .149 | .216 | -1.315 | 225 | 929 | -.026 | .170 | -.496 | -1.669 | 225 | 1250 | -.619 | .148 | -.124 | -1.109 |
| 225 | 308 | -.670 | .128 | .203 | -1.071 | 225 | 930 | -.059 | .181 | -.386 | -1.820 | 225 | 1251 | -.597 | .144 | -.170 | -1.034 |
| 225 | 309 | -.537 | .126 | .125 | -1.080 | 225 | 931 | -.133 | .235 | -.324 | -2.488 | 225 | 1252 | -.615 | .135 | -.218 | -1.048 |
| 225 | 310 | -.560 | .137 | .087 | -1.056 | 225 | 932 | -.737 | .194 | -.135 | -1.357 | 225 | 1253 | -.622 | .141 | -.122 | -1.159 |
| 225 | 311 | -.500 | .131 | .062 | -.957 | 225 | 933 | -.179 | .145 | -.245 | -.931 | 225 | 1254 | -.643 | .151 | -.206 | -1.221 |
| 225 | 312 | -.524 | .146 | .029 | -.971 | 225 | 934 | -.142 | .124 | -.287 | -.689 | 225 | 1257 | -.632 | .133 | -.193 | -1.106 |
| 225 | 313 | -.501 | .121 | .125 | -1.012 | 225 | 935 | -.190 | .133 | -.182 | -.717 | 225 | 1258 | -.623 | .139 | -.095 | -1.107 |

| WD | TAP | CPNEAH | CPRMS | CPMAX | CPMIN | WD | TAP | CPNEAH | CPRMS | CPMAX | CPMIN | WD | TAP | CPNEAH | CPRMS | CPMAX | CPMIN |
|-----|------|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|
| 225 | 1259 | -.597 | .140 | -.101 | -1.081 | 240 | 103 | -.075 | .179 | -.678 | -.625 | 240 | 231 | .395 | .150 | .881 | -.089 |
| 225 | 1260 | -.634 | .143 | -.134 | -1.132 | 240 | 106 | -.186 | .141 | -.305 | -.643 | 240 | 232 | .320 | .144 | .841 | -.176 |
| 225 | 1261 | -.398 | .151 | -.072 | -1.061 | 240 | 107 | -.141 | .179 | -.799 | -.418 | 240 | 233 | .224 | .126 | .621 | -.201 |
| 225 | 1262 | -.614 | .140 | -.066 | -1.071 | 240 | 108 | -.436 | .208 | 1.064 | -.457 | 240 | 234 | .129 | .125 | .630 | -.289 |
| 225 | 1263 | -.634 | .155 | -.095 | -1.175 | 240 | 109 | -.330 | .193 | 1.207 | -.186 | 240 | 235 | .012 | .125 | .392 | -.424 |
| 225 | 1266 | -.626 | .140 | -.106 | -1.113 | 240 | 110 | -.351 | .193 | 1.119 | -.122 | 240 | 236 | -.218 | .116 | .187 | -.591 |
| 225 | 1267 | -.610 | .143 | -.174 | -1.079 | 240 | 111 | -.313 | .189 | 1.076 | -.111 | 240 | 237 | -.435 | .127 | -.016 | -.929 |
| 225 | 1268 | -.612 | .147 | -.126 | -1.132 | 240 | 112 | -.170 | .163 | .705 | -.366 | 240 | 238 | -.545 | .227 | 1.178 | -.682 |
| 225 | 1269 | -.619 | .130 | -.120 | -1.088 | 240 | 113 | -.064 | .136 | .613 | -.503 | 240 | 239 | .329 | .178 | 1.039 | -.207 |
| 225 | 1270 | -.625 | .135 | -.151 | -1.038 | 240 | 114 | -.092 | .155 | .652 | -.463 | 240 | 240 | .486 | .162 | .999 | -.039 |
| 225 | 1271 | -.644 | .153 | -.187 | -1.146 | 240 | 115 | -.076 | .174 | .646 | -.639 | 240 | 241 | .301 | .136 | .790 | -.093 |
| 225 | 1272 | -.610 | .148 | -.093 | -1.211 | 240 | 116 | -.665 | .183 | 1.201 | -.070 | 240 | 242 | .233 | .127 | .792 | -.201 |
| 225 | 1303 | -.261 | .136 | -.225 | -.707 | 240 | 120 | -.050 | .157 | .451 | -.572 | 240 | 243 | .135 | .126 | .664 | -.241 |
| 225 | 1305 | -.292 | .127 | -.249 | -.663 | 240 | 121 | -.371 | .194 | 1.199 | -.073 | 240 | 244 | .043 | .120 | .501 | -.402 |
| 225 | 1307 | -.146 | .161 | -.507 | -.691 | 240 | 125 | -.092 | .152 | .354 | -.625 | 240 | 245 | -.055 | .126 | .350 | -.493 |
| 225 | 1309 | -.220 | .125 | -.190 | -.637 | 240 | 126 | -.462 | .212 | 1.169 | -.218 | 240 | 246 | -.018 | .119 | .402 | -.459 |
| 225 | 1311 | -.147 | .123 | -.283 | -.577 | 240 | 130 | -.060 | .162 | .494 | -.576 | 240 | 247 | .341 | .195 | 1.167 | -.334 |
| 225 | 1313 | -.065 | .142 | -.467 | -.489 | 240 | 131 | -.417 | .186 | 1.108 | -.142 | 240 | 248 | .485 | .168 | 1.018 | -.155 |
| 225 | 1911 | -.170 | .195 | -.719 | -.791 | 240 | 135 | -.255 | .150 | .338 | -.722 | 240 | 249 | .363 | .159 | .833 | -.110 |
| 225 | 1913 | -.343 | .189 | -.259 | -1.110 | 240 | 136 | -.305 | .188 | 1.037 | -.394 | 240 | 250 | .296 | .142 | .746 | -.193 |
| 225 | 1914 | -.129 | .167 | -.625 | -.589 | 240 | 201 | -.267 | .273 | .658 | -.472 | 240 | 251 | .209 | .124 | .598 | -.281 |
| 225 | 1915 | -.128 | .122 | -.305 | -.543 | 240 | 202 | -.135 | .171 | .379 | -.867 | 240 | 252 | .147 | .123 | .525 | -.325 |
| 225 | 1916 | -.210 | .116 | -.188 | -.611 | 240 | 203 | -.444 | .150 | .097 | -.078 | 240 | 253 | .081 | .121 | .505 | -.346 |
| 225 | 1917 | -.337 | .121 | -.112 | -.719 | 240 | 204 | -.578 | .281 | .506 | -.684 | 240 | 254 | .035 | .119 | .529 | -.429 |
| 225 | 1918 | -.365 | .117 | -.004 | -.845 | 240 | 205 | -.315 | .212 | .436 | -.361 | 240 | 255 | .097 | .122 | .547 | -.295 |
| 225 | 1921 | -.428 | .141 | -.096 | -.856 | 240 | 206 | -.249 | .235 | .592 | -.500 | 240 | 256 | .305 | .208 | 1.176 | -.304 |
| 225 | 1923 | -.465 | .168 | -.367 | -.958 | 240 | 207 | -.578 | .194 | .185 | -.406 | 240 | 257 | .444 | .171 | .984 | -.136 |
| 225 | 1924 | -.215 | .198 | -.493 | -.674 | 240 | 208 | -.354 | .166 | .304 | -.976 | 240 | 258 | .356 | .152 | .927 | -.098 |
| 225 | 1925 | -.157 | .145 | -.293 | -.761 | 240 | 209 | -.299 | .173 | .295 | -.027 | 240 | 259 | .289 | .133 | .717 | -.214 |
| 225 | 1926 | -.235 | .128 | -.176 | -.675 | 240 | 210 | -.119 | .260 | 1.138 | -.590 | 240 | 260 | .226 | .128 | .683 | -.159 |
| 225 | 1927 | -.353 | .112 | -.060 | -.761 | 240 | 211 | -.201 | .250 | .850 | -.969 | 240 | 261 | .142 | .126 | .348 | -.300 |
| 225 | 1928 | -.488 | .125 | -.116 | -.878 | 240 | 212 | -.068 | .146 | .504 | -.654 | 240 | 262 | .080 | .120 | .432 | -.311 |
| 225 | 1930 | -.521 | .133 | -.008 | -.932 | 240 | 213 | -.076 | .132 | .329 | -.564 | 240 | 263 | .014 | .115 | .457 | -.382 |
| 225 | 1932 | -.624 | .148 | -.038 | -1.116 | 240 | 214 | -.015 | .132 | .428 | -.419 | 240 | 264 | .084 | .126 | .311 | -.361 |
| 225 | 1933 | -.603 | .173 | -.114 | -1.142 | 240 | 215 | -.121 | .130 | .349 | -.602 | 240 | 265 | .410 | .165 | 1.001 | -.046 |
| 225 | 1934 | -.434 | .162 | -.164 | -.988 | 240 | 216 | -.024 | .138 | .436 | -.470 | 240 | 266 | .450 | .152 | 1.142 | -.025 |
| 225 | 1935 | -.430 | .151 | -.088 | -.962 | 240 | 217 | -.023 | .143 | .459 | -.594 | 240 | 267 | .395 | .150 | 1.016 | -.036 |
| 225 | 1936 | -.502 | .144 | -.026 | -.978 | 240 | 218 | -.230 | .122 | .187 | -.628 | 240 | 268 | .292 | .149 | .759 | -.193 |
| 225 | 1937 | -.550 | .139 | -.022 | -.978 | 240 | 219 | -.344 | .120 | .101 | -.726 | 240 | 269 | .220 | .143 | .648 | -.239 |
| 225 | 1939 | -.549 | .134 | -.080 | -1.026 | 240 | 220 | -.152 | .288 | 1.069 | -.880 | 240 | 270 | .168 | .125 | .641 | -.254 |
| 225 | 1941 | -.627 | .143 | -.128 | -1.118 | 240 | 221 | -.360 | .258 | 1.018 | -1.055 | 240 | 271 | .093 | .128 | .615 | -.298 |
| 225 | 1942 | -.617 | .150 | -.152 | -1.116 | 240 | 222 | -.261 | .144 | .693 | -.190 | 240 | 272 | -.011 | .121 | .453 | -.433 |
| 225 | 1943 | -.584 | .146 | -.164 | -1.184 | 240 | 223 | -.214 | .129 | .662 | -.266 | 240 | 273 | .013 | .112 | .391 | -.421 |
| 225 | 1944 | -.581 | .134 | -.096 | -1.112 | 240 | 224 | -.163 | .137 | .600 | -.319 | 240 | 301 | -.618 | .139 | -.095 | -1.007 |
| 225 | 1945 | -.577 | .133 | -.060 | -.972 | 240 | 225 | -.105 | .127 | .548 | -.323 | 240 | 302 | -.636 | .139 | -.189 | -1.133 |
| 225 | 1946 | -.579 | .130 | -.112 | -1.006 | 240 | 226 | -.012 | .133 | .436 | -.456 | 240 | 303 | -.618 | .135 | -.122 | -1.133 |
| 240 | 101 | -.200 | .167 | -.356 | -.836 | 240 | 227 | -.197 | .122 | .214 | -.644 | 240 | 304 | -.613 | .138 | .039 | -1.078 |
| 240 | 102 | -.002 | .198 | -.634 | -.736 | 240 | 228 | -.367 | .124 | .014 | -.797 | 240 | 305 | -.390 | .134 | -.067 | -1.117 |
| 240 | 103 | -.109 | .184 | -.694 | -.516 | 240 | 229 | -.517 | .228 | 1.182 | -.477 | 240 | 306 | -.393 | .131 | -.120 | -1.010 |
| 240 | 104 | -.116 | .183 | -.701 | -.554 | 240 | 230 | -.545 | .181 | 1.130 | -.074 | 240 | 307 | -.330 | .160 | -.049 | -1.212 |

| WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN |
|-----|-----|--------|-------|-------|--------|-----|------|--------|-------|-------|--------|-----|------|--------|-------|-------|--------|
| 240 | 308 | -.566 | .153 | .022 | -1.641 | 240 | 930 | -1.027 | .178 | -.303 | -1.660 | 240 | 1251 | -.663 | .154 | -.099 | -1.344 |
| 240 | 309 | -.493 | .139 | .034 | -.960 | 240 | 931 | -1.061 | .215 | -.236 | -1.955 | 240 | 1252 | -.663 | .145 | -.129 | -1.092 |
| 240 | 310 | -.507 | .140 | -.037 | -1.135 | 240 | 932 | -.786 | .103 | -.083 | -1.345 | 240 | 1253 | -.644 | .157 | -.116 | -1.122 |
| 240 | 311 | -.476 | .148 | -.073 | -1.170 | 240 | 933 | -.750 | .253 | -.002 | -1.656 | 240 | 1254 | -.619 | .177 | -.061 | -1.235 |
| 240 | 312 | -.513 | .147 | -.054 | -1.197 | 240 | 934 | -.080 | .169 | -.638 | -.657 | 240 | 1257 | -.672 | .146 | -.178 | -1.246 |
| 240 | 313 | -.479 | .172 | -.039 | -1.264 | 240 | 935 | .111 | .143 | -.587 | -.342 | 240 | 1258 | -.643 | .150 | -.197 | -1.177 |
| 240 | 314 | -.507 | .158 | -.056 | -1.001 | 240 | 936 | .174 | .153 | -.761 | -.319 | 240 | 1259 | -.687 | .144 | -.274 | -1.201 |
| 240 | 401 | -.366 | .152 | -.238 | -1.032 | 240 | 937 | .334 | .201 | 1.332 | -.370 | 240 | 1260 | -.656 | .154 | -.146 | -1.226 |
| 240 | 402 | -.422 | .176 | .113 | -1.069 | 240 | 938 | -1.143 | .184 | -.631 | -1.659 | 240 | 1261 | -.676 | .164 | -.150 | -1.243 |
| 240 | 403 | -.563 | .184 | .040 | -1.180 | 240 | 939 | -1.207 | .185 | -.653 | -2.074 | 240 | 1262 | -.630 | .153 | -.097 | -1.098 |
| 240 | 404 | -.853 | .175 | -.208 | -1.432 | 240 | 940 | -1.134 | .236 | -.406 | -2.234 | 240 | 1263 | -.533 | .163 | -.029 | -1.079 |
| 240 | 405 | -.923 | .207 | -.096 | -1.604 | 240 | 941 | -1.207 | .230 | -.352 | -2.218 | 240 | 1266 | -.649 | .154 | -.106 | -1.203 |
| 240 | 501 | -.279 | .273 | 1.256 | -.708 | 240 | 942 | -.534 | .299 | -.387 | -2.165 | 240 | 1267 | -.658 | .147 | -.167 | -1.135 |
| 240 | 502 | -.264 | .218 | 1.000 | -.668 | 240 | 943 | -.153 | .161 | .418 | -.875 | 240 | 1268 | -.683 | .153 | -.210 | -1.342 |
| 240 | 503 | -.126 | .192 | .778 | -.520 | 240 | 944 | -.036 | .125 | .464 | -.443 | 240 | 1269 | -.678 | .170 | -.135 | -1.235 |
| 240 | 504 | -.120 | .170 | .437 | -.866 | 240 | 945 | .188 | .166 | .753 | -.402 | 240 | 1270 | -.671 | .169 | -.114 | -1.303 |
| 240 | 505 | -.380 | .223 | 1.181 | -.276 | 240 | 946 | .377 | .223 | 1.118 | -.342 | 240 | 1271 | -.638 | .178 | -.016 | -1.265 |
| 240 | 506 | -.366 | .199 | 1.000 | -.319 | 240 | 1107 | -.523 | .169 | -.060 | -1.050 | 240 | 1272 | -.514 | .164 | -.181 | -1.143 |
| 240 | 507 | -.218 | .190 | .826 | -.408 | 240 | 1108 | -.594 | .194 | -.055 | -1.197 | 240 | 1303 | -.323 | .140 | -.114 | -.977 |
| 240 | 508 | -.022 | .179 | .504 | -.556 | 240 | 1109 | -.611 | .176 | -.000 | -1.229 | 240 | 1305 | -.293 | .127 | -.161 | -.728 |
| 240 | 509 | -.119 | .164 | .399 | -.803 | 240 | 1110 | -.577 | .167 | -.000 | -1.191 | 240 | 1307 | -.097 | .164 | -.516 | -.635 |
| 240 | 901 | -.676 | .161 | -.037 | -1.513 | 240 | 1111 | -.548 | .197 | -.061 | -1.339 | 240 | 1309 | -.202 | .128 | -.399 | -.630 |
| 240 | 902 | -.712 | .203 | -.110 | -1.470 | 240 | 1112 | -.283 | .152 | -.188 | -.873 | 240 | 1311 | -.138 | .131 | -.277 | -.580 |
| 240 | 903 | -.380 | .154 | .147 | -.911 | 240 | 1121 | -.084 | .163 | -.693 | -.529 | 240 | 1313 | -.057 | .170 | -.400 | -.608 |
| 240 | 904 | -.629 | .149 | -.104 | -1.109 | 240 | 1126 | .130 | .166 | -.668 | -.395 | 240 | 1911 | -.429 | .167 | -.149 | -.975 |
| 240 | 905 | -.602 | .147 | -.058 | -1.111 | 240 | 1136 | .152 | .161 | -.766 | -.346 | 240 | 1913 | -.546 | .173 | -.149 | -.662 |
| 240 | 906 | -.491 | .142 | -.003 | -.963 | 240 | 1221 | -.573 | .133 | .016 | -.979 | 240 | 1914 | -.263 | .196 | -.410 | -.851 |
| 240 | 907 | -.557 | .145 | -.116 | -1.079 | 240 | 1222 | -.599 | .142 | -.106 | -1.109 | 240 | 1915 | -.243 | .150 | -.210 | -.853 |
| 240 | 908 | -.660 | .147 | -.155 | -1.300 | 240 | 1223 | -.610 | .144 | -.125 | -1.077 | 240 | 1916 | -.224 | .136 | -.243 | -.663 |
| 240 | 909 | -.703 | .154 | -.210 | -1.233 | 240 | 1224 | -.629 | .136 | -.178 | -1.128 | 240 | 1917 | -.333 | .138 | -.206 | -.844 |
| 240 | 910 | -.684 | .170 | -.143 | -1.667 | 240 | 1225 | -.604 | .144 | -.148 | -1.056 | 240 | 1918 | -.364 | .136 | -.066 | -.844 |
| 240 | 911 | -.696 | .181 | -.113 | -1.497 | 240 | 1226 | -.582 | .130 | -.146 | -1.045 | 240 | 1921 | -.374 | .156 | -.061 | -1.097 |
| 240 | 912 | -.773 | .195 | -.203 | -1.722 | 240 | 1227 | -.574 | .136 | -.110 | -1.086 | 240 | 1923 | -.634 | .164 | -.109 | -1.107 |
| 240 | 913 | -.444 | .147 | -.088 | -.921 | 240 | 1230 | -.645 | .131 | -.150 | -1.194 | 240 | 1924 | -.337 | .188 | -.255 | -.028 |
| 240 | 914 | -.793 | .170 | -.273 | -1.424 | 240 | 1231 | -.660 | .128 | -.244 | -1.066 | 240 | 1925 | -.327 | .174 | -.198 | -.861 |
| 240 | 915 | -.514 | .203 | -.202 | -1.279 | 240 | 1232 | -.648 | .131 | -.223 | -1.081 | 240 | 1926 | -.280 | .135 | -.194 | -.734 |
| 240 | 916 | -.262 | .153 | -.272 | -1.002 | 240 | 1233 | -.643 | .141 | -.189 | -1.133 | 240 | 1927 | -.344 | .136 | -.043 | -.791 |
| 240 | 917 | -.328 | .138 | -.185 | -.810 | 240 | 1234 | -.643 | .132 | -.204 | -1.064 | 240 | 1928 | -.468 | .137 | -.032 | -.885 |
| 240 | 918 | -.563 | .154 | -.011 | -1.166 | 240 | 1235 | -.629 | .135 | -.202 | -1.094 | 240 | 1930 | -.399 | .156 | -.067 | -.125 |
| 240 | 919 | -.668 | .154 | -.192 | -1.321 | 240 | 1236 | -.613 | .142 | -.093 | -1.148 | 240 | 1932 | -.626 | .150 | -.057 | -1.119 |
| 240 | 920 | -.801 | .179 | -.274 | -1.468 | 240 | 1239 | -.638 | .136 | -.189 | -1.043 | 240 | 1933 | -.629 | .156 | -.073 | -1.136 |
| 240 | 921 | -.830 | .166 | -.307 | -1.923 | 240 | 1240 | -.674 | .153 | -.007 | -1.207 | 240 | 1934 | -.566 | .167 | -.157 | -1.129 |
| 240 | 922 | -.908 | .203 | -.238 | -2.030 | 240 | 1241 | -.646 | .151 | -.142 | -1.235 | 240 | 1935 | -.471 | .161 | -.135 | -.938 |
| 240 | 923 | -.588 | .166 | -.013 | -1.174 | 240 | 1242 | -.682 | .145 | -.155 | -1.110 | 240 | 1936 | -.457 | .144 | -.026 | -.981 |
| 240 | 924 | -.933 | .223 | -.004 | -1.816 | 240 | 1243 | -.687 | .156 | -.221 | -1.201 | 240 | 1937 | -.493 | .147 | -.052 | -1.040 |
| 240 | 925 | -.191 | .206 | .391 | -1.095 | 240 | 1244 | -.638 | .164 | -.103 | -1.234 | 240 | 1939 | -.607 | .138 | -.061 | -1.111 |
| 240 | 926 | -.020 | .130 | .407 | -.414 | 240 | 1245 | -.630 | .157 | -.103 | -1.141 | 240 | 1941 | -.617 | .150 | -.126 | -1.081 |
| 240 | 927 | -.002 | .149 | .430 | -.647 | 240 | 1248 | -.647 | .151 | -.129 | -1.137 | 240 | 1942 | -.638 | .159 | -.140 | -1.176 |
| 240 | 928 | -.150 | .166 | .498 | -.693 | 240 | 1249 | -.635 | .153 | -.110 | -1.265 | 240 | 1943 | -.623 | .153 | -.177 | -1.256 |
| 240 | 929 | -.981 | .180 | -.461 | -1.677 | 240 | 1250 | -.656 | .149 | -.229 | -1.115 | 240 | 1944 | -.583 | .141 | -.103 | -1.062 |

| WD | TAP | CPMEAN | CPRMS | CPHAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPHAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPHAX | CPMIN |
|-----|------|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|
| 240 | 1945 | -.568 | .156 | -.087 | -1.013 | 255 | 225 | -.020 | .111 | -.370 | -.406 | 255 | 302 | -.476 | .169 | -.080 | -1.157 |
| 240 | 1946 | -.552 | .142 | -.075 | -.979 | 255 | 226 | -.058 | .126 | -.420 | -.497 | 255 | 303 | -.475 | .132 | -.054 | -.966 |
| 255 | 101 | -.029 | .185 | -.531 | -.975 | 255 | 227 | -.213 | .115 | -.164 | -.586 | 255 | 304 | -.463 | .133 | -.056 | -1.267 |
| 255 | 102 | -.200 | .186 | -.719 | -.474 | 255 | 228 | -.329 | .115 | -.076 | -.701 | 255 | 305 | -.483 | .153 | -.036 | -1.095 |
| 255 | 103 | -.301 | .208 | -.978 | -.362 | 255 | 229 | -.443 | .292 | -.563 | -1.477 | 255 | 306 | -.462 | .140 | -.069 | -.913 |
| 255 | 104 | -.348 | .182 | -.880 | -.402 | 255 | 230 | -.362 | .382 | -.690 | -1.611 | 255 | 307 | -.432 | .148 | -.062 | -.928 |
| 255 | 105 | -.247 | .190 | -.761 | -.432 | 255 | 231 | -.074 | .175 | -.533 | -1.296 | 255 | 308 | -.435 | .133 | -.032 | -.966 |
| 255 | 106 | -.050 | .179 | -.571 | -.719 | 255 | 232 | -.077 | .112 | -.438 | -.343 | 255 | 309 | -.412 | .154 | -.052 | -1.025 |
| 255 | 107 | -.373 | .198 | -.948 | -.394 | 255 | 233 | -.043 | .123 | -.435 | -.399 | 255 | 310 | -.404 | .148 | -.037 | -.900 |
| 255 | 108 | -.684 | .200 | 1.394 | -.094 | 255 | 234 | -.023 | .118 | -.396 | -.399 | 255 | 311 | -.395 | .165 | -.139 | -.932 |
| 255 | 109 | -.724 | .209 | 1.432 | -.173 | 255 | 235 | -.082 | .124 | -.316 | -.586 | 255 | 312 | -.396 | .132 | -.047 | -1.017 |
| 255 | 110 | -.754 | .189 | 1.410 | -.012 | 255 | 236 | -.253 | .113 | -.172 | -.697 | 255 | 313 | -.376 | .161 | -.098 | -1.033 |
| 255 | 111 | -.634 | .196 | 1.243 | -.024 | 255 | 237 | -.397 | .118 | -.059 | -.887 | 255 | 314 | -.393 | .127 | -.009 | -1.008 |
| 255 | 112 | -.302 | .158 | -.783 | -.234 | 255 | 238 | -.230 | .286 | -.712 | -1.221 | 255 | 401 | -.500 | .194 | -.135 | -1.219 |
| 255 | 113 | -.221 | .165 | -.733 | -.394 | 255 | 239 | -.114 | .350 | -.740 | -1.240 | 255 | 402 | -.477 | .192 | -.265 | -1.171 |
| 255 | 114 | -.228 | .159 | -.851 | -.342 | 255 | 240 | -.121 | .135 | -.561 | -.632 | 255 | 403 | -.461 | .178 | -.189 | -1.025 |
| 255 | 115 | -.128 | .202 | -.789 | -.677 | 255 | 241 | -.083 | .119 | -.474 | -.362 | 255 | 404 | -.672 | .185 | -.245 | -1.263 |
| 255 | 116 | -.744 | .199 | 1.487 | -.802 | 255 | 242 | -.043 | .119 | -.470 | -.412 | 255 | 405 | -.750 | .171 | -.174 | -1.428 |
| 255 | 120 | -.166 | .158 | -.731 | -.346 | 255 | 243 | -.004 | .123 | -.416 | -.416 | 255 | 501 | -.578 | .194 | 1.426 | -1.152 |
| 255 | 121 | -.694 | .192 | 1.354 | -.129 | 255 | 244 | -.039 | .113 | -.290 | -.434 | 255 | 502 | -.486 | .212 | 1.242 | -.558 |
| 255 | 125 | -.054 | .187 | -.647 | -.498 | 255 | 245 | -.081 | .114 | -.325 | -.508 | 255 | 503 | -.350 | .191 | 1.446 | -.628 |
| 255 | 126 | -.608 | .214 | 1.459 | -.043 | 255 | 246 | -.019 | .105 | -.403 | -.400 | 255 | 504 | -.136 | .174 | 1.645 | -.715 |
| 255 | 130 | -.036 | .176 | -.613 | -.582 | 255 | 247 | -.163 | .266 | -.651 | -1.258 | 255 | 505 | -.544 | .211 | 1.224 | -.114 |
| 255 | 131 | -.554 | .190 | 1.318 | -.024 | 255 | 248 | -.010 | .312 | -.776 | -1.373 | 255 | 506 | -.487 | .197 | 1.218 | -.336 |
| 255 | 135 | -.142 | .176 | -.337 | -.793 | 255 | 249 | -.120 | .146 | -.653 | -.519 | 255 | 507 | -.332 | .171 | 1.874 | -.206 |
| 255 | 136 | -.395 | .177 | 1.094 | -.191 | 255 | 250 | -.085 | .136 | -.535 | -.412 | 255 | 508 | -.122 | .188 | 1.014 | -.556 |
| 255 | 201 | -.995 | .298 | 1.145 | -1.997 | 255 | 251 | -.045 | .108 | -.409 | -.338 | 255 | 509 | -.000 | .181 | 1.847 | -.570 |
| 255 | 202 | -.755 | .340 | 1.041 | -2.653 | 255 | 252 | -.006 | .110 | -.420 | -.416 | 255 | 901 | -.694 | .185 | 1.136 | -1.628 |
| 255 | 203 | -.683 | .241 | 1.120 | -1.697 | 255 | 253 | -.010 | .115 | -.435 | -.436 | 255 | 902 | -.743 | .214 | 1.024 | -1.880 |
| 255 | 204 | -.877 | .257 | 1.300 | -1.629 | 255 | 254 | -.061 | .115 | -.394 | -.399 | 255 | 903 | -.530 | .201 | 1.183 | -1.257 |
| 255 | 205 | -.408 | .209 | 1.197 | -1.477 | 255 | 255 | -.085 | .120 | -.469 | -.286 | 255 | 904 | -.711 | .174 | 1.198 | -1.414 |
| 255 | 206 | -.288 | .210 | 1.366 | -1.146 | 255 | 256 | -.141 | .250 | -.714 | -1.181 | 255 | 905 | -.707 | .190 | 1.070 | -1.339 |
| 255 | 207 | -.533 | .170 | 1.111 | -1.216 | 255 | 257 | -.017 | .284 | -.744 | -1.479 | 255 | 906 | -.586 | .217 | 1.104 | -1.384 |
| 255 | 208 | -.328 | .149 | 1.221 | -.815 | 255 | 258 | -.141 | .134 | -.577 | -.595 | 255 | 907 | -.501 | .190 | 1.193 | -1.265 |
| 255 | 209 | -.222 | .163 | 1.238 | -.856 | 255 | 259 | -.087 | .126 | -.546 | -.353 | 255 | 908 | -.526 | .198 | 1.143 | -1.442 |
| 255 | 210 | -.840 | .222 | 1.050 | -1.374 | 255 | 260 | -.053 | .127 | -.526 | -.380 | 255 | 909 | -.544 | .213 | 1.267 | -1.630 |
| 255 | 211 | -.642 | .247 | 1.207 | -1.749 | 255 | 261 | -.014 | .126 | -.457 | -.425 | 255 | 910 | -.627 | .170 | 1.062 | -1.377 |
| 255 | 212 | -.647 | .363 | 1.263 | -1.696 | 255 | 262 | -.007 | .119 | -.416 | -.421 | 255 | 911 | -.642 | .164 | 1.159 | -1.373 |
| 255 | 213 | -.230 | .286 | 1.469 | -2.150 | 255 | 263 | -.003 | .116 | -.403 | -.356 | 255 | 912 | -.752 | .211 | 1.200 | -2.291 |
| 255 | 214 | -.034 | .155 | -.561 | -.896 | 255 | 264 | -.074 | .117 | -.594 | -.297 | 255 | 913 | -.524 | .155 | 1.074 | -1.047 |
| 255 | 215 | -.056 | .119 | -.342 | -.486 | 255 | 265 | -.024 | .117 | -.570 | -.812 | 255 | 914 | -.717 | .166 | 1.167 | -1.302 |
| 255 | 216 | -.049 | .129 | -.561 | -.499 | 255 | 266 | -.102 | .201 | -.739 | -.988 | 255 | 915 | -.670 | .217 | 1.159 | -1.574 |
| 255 | 217 | -.094 | .175 | -.412 | -.977 | 255 | 267 | -.118 | .152 | -.663 | -.475 | 255 | 916 | -.460 | .239 | 1.664 | -1.274 |
| 255 | 218 | -.251 | .129 | 1.139 | -.771 | 255 | 268 | -.088 | .127 | -.479 | -.390 | 255 | 917 | -.261 | .198 | 1.561 | -1.049 |
| 255 | 219 | -.289 | .131 | 1.183 | -.769 | 255 | 269 | -.037 | .122 | -.424 | -.353 | 255 | 918 | -.434 | .179 | 1.318 | -1.332 |
| 255 | 220 | -.652 | .235 | 1.225 | -1.481 | 255 | 270 | -.019 | .121 | -.446 | -.366 | 255 | 919 | -.595 | .217 | 1.153 | -1.882 |
| 255 | 221 | -.650 | .332 | 1.468 | -1.983 | 255 | 271 | -.004 | .124 | -.353 | -.427 | 255 | 920 | -.636 | .164 | 1.044 | -1.239 |
| 255 | 222 | -.072 | .242 | -.750 | -1.527 | 255 | 272 | -.020 | .106 | -.375 | -.406 | 255 | 921 | -.667 | .182 | 1.002 | -1.314 |
| 255 | 223 | -.079 | .125 | -.739 | -.393 | 255 | 273 | -.035 | .115 | -.456 | -.407 | 255 | 922 | -.778 | .218 | 1.054 | -2.094 |
| 255 | 224 | -.068 | .111 | -.446 | -.399 | 255 | 301 | -.473 | .144 | -.054 | -1.220 | 255 | 923 | -.474 | .178 | 1.133 | -1.115 |

| MD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | MD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | MD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN |
|----|------|--------|-------|-------|--------|-----|------|--------|-------|-------|--------|-----|------|--------|-------|-------|--------|
| N | 924 | -.792 | .266 | -.147 | -1.652 | 255 | 1243 | -.493 | .160 | .048 | -1.035 | 255 | 1937 | -.432 | .140 | -.016 | -1.907 |
| N | 925 | -.659 | .246 | -.338 | -1.513 | 255 | 1244 | -.467 | .158 | .105 | -1.017 | 255 | 1939 | -.501 | .148 | -.006 | -1.077 |
| N | 926 | -.181 | .235 | -.555 | -1.188 | 255 | 1245 | -.416 | .147 | .074 | -1.008 | 255 | 1941 | -.501 | .137 | -.070 | -1.083 |
| N | 927 | -.079 | .227 | -.734 | -.952 | 255 | 1246 | -.540 | .148 | -.092 | -1.101 | 255 | 1942 | -.533 | .143 | -.026 | -1.017 |
| N | 928 | -.033 | .194 | -.561 | -.888 | 255 | 1249 | -.552 | .141 | -.099 | -1.032 | 255 | 1943 | -.527 | .163 | -.020 | -1.085 |
| N | 929 | -.704 | .177 | -.142 | -1.496 | 255 | 1250 | -.541 | .161 | .007 | -1.164 | 255 | 1944 | -.509 | .163 | -.112 | -1.053 |
| N | 930 | -.747 | .194 | -.153 | -1.369 | 255 | 1251 | -.523 | .164 | .074 | -1.030 | 255 | 1945 | -.495 | .157 | -.052 | -1.985 |
| N | 931 | -.867 | .231 | -.016 | -1.810 | 255 | 1252 | -.464 | .159 | .094 | -1.043 | 255 | 1946 | -.461 | .159 | .042 | -1.933 |
| N | 932 | -.601 | .198 | -.195 | -1.375 | 255 | 1253 | -.556 | .169 | .206 | -.986 | 255 | 101 | -.199 | .193 | .729 | -1.563 |
| N | 933 | -.179 | .218 | -.179 | -1.612 | 255 | 1254 | -.313 | .159 | .162 | -.797 | 270 | 102 | .398 | .188 | 1.036 | -1.272 |
| N | 934 | -.497 | .261 | -.338 | -1.542 | 255 | 1257 | -.554 | .153 | -.031 | -1.055 | 270 | 103 | .453 | .194 | 1.040 | -1.254 |
| N | 935 | -.149 | .217 | -.827 | -1.115 | 255 | 1258 | -.563 | .158 | -.037 | -1.059 | 270 | 104 | .425 | .175 | .906 | -1.250 |
| N | 936 | -.339 | .195 | -.970 | -.346 | 255 | 1259 | -.551 | .191 | -.053 | -1.235 | 270 | 105 | .409 | .181 | .972 | -1.038 |
| N | 937 | -.449 | .191 | 1.036 | -.318 | 255 | 1260 | -.530 | .181 | -.053 | -1.088 | 270 | 106 | .211 | .184 | .830 | -1.423 |
| N | 938 | -.942 | .198 | -.248 | -1.614 | 255 | 1261 | -.485 | .177 | -.003 | -1.153 | 270 | 107 | .573 | .211 | 1.184 | -1.192 |
| N | 939 | -.973 | .225 | -.161 | -1.990 | 255 | 1262 | -.348 | .172 | .147 | -.958 | 270 | 108 | .801 | .195 | 1.467 | -.088 |
| N | 940 | -.147 | .332 | -.136 | -2.697 | 255 | 1263 | -.260 | .166 | .380 | -1.760 | 270 | 109 | .635 | .212 | 1.412 | -.013 |
| N | 941 | -.881 | .187 | -.167 | -1.479 | 255 | 1266 | -.555 | .159 | .611 | -1.125 | 270 | 110 | .768 | .187 | 1.262 | -1.174 |
| N | 942 | -.388 | .398 | -.254 | -3.182 | 255 | 1267 | -.535 | .170 | -.068 | -1.046 | 270 | 111 | .744 | .209 | 1.373 | -.074 |
| N | 943 | -.388 | .403 | -.323 | -2.518 | 255 | 1268 | -.549 | .175 | .004 | -1.105 | 270 | 112 | .443 | .173 | .979 | -1.120 |
| N | 944 | -.178 | .237 | -.837 | -1.361 | 255 | 1269 | -.511 | .173 | -.009 | -1.050 | 270 | 113 | .365 | .166 | .873 | -1.188 |
| N | 945 | -.411 | .213 | -.954 | -.554 | 255 | 1270 | -.445 | .183 | .180 | -.976 | 270 | 114 | .318 | .152 | .894 | -1.155 |
| N | 946 | -.569 | .222 | 1.179 | -.260 | 255 | 1271 | -.333 | .167 | .230 | -.820 | 270 | 115 | .327 | .189 | 1.055 | -1.406 |
| N | 1107 | -.500 | .159 | -.024 | -1.995 | 255 | 1272 | -.254 | .139 | .211 | -.877 | 270 | 116 | .723 | .198 | 1.430 | -1.046 |
| N | 1108 | -.526 | .155 | -.032 | -1.210 | 255 | 1303 | -.342 | .135 | .108 | -.844 | 270 | 120 | .278 | .182 | .904 | -1.270 |
| N | 1109 | -.503 | .161 | -.042 | -1.001 | 255 | 1305 | -.293 | .136 | .195 | -.704 | 270 | 121 | .655 | .199 | 1.241 | -1.072 |
| N | 1110 | -.473 | .156 | -.125 | -.901 | 255 | 1307 | -.131 | .167 | .470 | -.598 | 270 | 125 | .201 | .178 | .797 | -1.414 |
| N | 1111 | -.353 | .160 | -.030 | -1.358 | 255 | 1309 | -.178 | .144 | .333 | -.698 | 270 | 126 | .559 | .203 | 1.221 | -1.050 |
| N | 1116 | -.361 | .168 | -.127 | -.961 | 255 | 1311 | -.118 | .148 | .397 | -.676 | 270 | 130 | .162 | .191 | .855 | -1.336 |
| N | 1121 | -.127 | .171 | -.327 | -.816 | 255 | 1313 | -.032 | .155 | .544 | -.624 | 270 | 131 | .496 | .168 | 1.097 | -1.068 |
| N | 1126 | -.071 | .174 | -.480 | -.614 | 255 | 1911 | -.388 | .148 | .124 | -.846 | 270 | 135 | -.038 | .175 | .540 | -1.577 |
| N | 1136 | -.031 | .193 | -.652 | -.734 | 255 | 1913 | -.517 | .152 | .044 | -1.099 | 270 | 136 | .418 | .148 | 1.068 | -1.027 |
| N | 1221 | -.454 | .148 | -.088 | -.976 | 255 | 1914 | -.426 | .156 | .153 | -.963 | 270 | 201 | -.728 | .222 | -.118 | -1.727 |
| N | 1222 | -.497 | .131 | -.018 | -.954 | 255 | 1915 | -.386 | .163 | .427 | -.917 | 270 | 202 | -.728 | .197 | -.086 | -1.509 |
| N | 1223 | -.485 | .137 | -.000 | -.938 | 255 | 1916 | -.300 | .142 | .177 | -.860 | 270 | 203 | -.660 | .215 | -.298 | -1.537 |
| N | 1224 | -.497 | .133 | -.092 | -.954 | 255 | 1917 | -.335 | .140 | .157 | -.752 | 270 | 204 | -.156 | .279 | 1.043 | -1.518 |
| N | 1225 | -.492 | .127 | -.110 | -.905 | 255 | 1918 | -.353 | .133 | .072 | -.796 | 270 | 205 | -.075 | .183 | .530 | -1.172 |
| N | 1226 | -.461 | .137 | -.053 | -.997 | 255 | 1921 | -.506 | .163 | -.233 | -1.013 | 270 | 206 | -.014 | .201 | .644 | -1.508 |
| N | 1227 | -.456 | .127 | -.046 | -.973 | 255 | 1923 | -.497 | .162 | -.000 | -1.005 | 270 | 207 | -.131 | .249 | .706 | -1.207 |
| N | 1230 | -.588 | .139 | -.048 | -1.028 | 255 | 1924 | -.528 | .170 | -.002 | -1.171 | 270 | 208 | -.014 | .166 | .516 | -1.863 |
| N | 1231 | -.553 | .146 | -.101 | -1.035 | 255 | 1925 | -.447 | .169 | -.050 | -1.033 | 270 | 209 | -.013 | .186 | .576 | -1.789 |
| N | 1232 | -.518 | .148 | -.030 | -1.000 | 255 | 1926 | -.382 | .151 | .133 | -.897 | 270 | 210 | -.688 | .199 | -.113 | -1.634 |
| N | 1233 | -.494 | .149 | -.028 | -1.019 | 255 | 1927 | -.366 | .157 | -.175 | -.965 | 270 | 211 | -.686 | .196 | -.090 | -1.595 |
| N | 1234 | -.491 | .147 | -.009 | -.934 | 255 | 1928 | -.391 | .161 | .207 | -.846 | 270 | 212 | -.681 | .186 | -.097 | -1.559 |
| N | 1235 | -.468 | .142 | -.009 | -1.002 | 255 | 1930 | -.502 | .162 | -.006 | -1.037 | 270 | 213 | -.708 | .208 | .024 | -1.633 |
| N | 1236 | -.489 | .142 | -.016 | -.976 | 255 | 1932 | -.513 | .146 | -.022 | -.963 | 270 | 214 | -.625 | .218 | .339 | -1.439 |
| N | 1239 | -.572 | .134 | -.130 | -.999 | 255 | 1933 | -.524 | .152 | -.094 | -.879 | 270 | 215 | -.426 | .235 | .460 | -1.204 |
| N | 1240 | -.539 | .147 | -.062 | -1.021 | 255 | 1934 | -.507 | .157 | -.026 | -1.023 | 270 | 216 | -.203 | .228 | .398 | -1.794 |
| N | 1241 | -.539 | .154 | -.082 | -1.035 | 255 | 1935 | -.457 | .156 | -.125 | -.923 | 270 | 217 | -.154 | .214 | .388 | -1.499 |
| N | 1242 | -.507 | .146 | -.013 | -.982 | 255 | 1936 | -.420 | .141 | -.080 | -.848 | 270 | 218 | -.149 | .163 | .397 | -1.163 |

| WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN |
|-----|-----|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|-----|------|--------|-------|-------|--------|
| 270 | 219 | -.177 | .143 | .311 | -.851 | 270 | 269 | -.170 | .160 | .326 | -1.055 | 270 | 918 | -.182 | .246 | .666 | -1.612 |
| 270 | 220 | -.650 | .162 | -.079 | -1.272 | 270 | 270 | -.112 | .130 | .301 | -.691 | 270 | 919 | -.211 | .175 | .357 | -1.184 |
| 270 | 221 | -.653 | .158 | -.143 | -1.340 | 270 | 271 | -.089 | .121 | .329 | -.570 | 270 | 920 | -.519 | .163 | -.019 | -.991 |
| 270 | 222 | -.706 | .202 | .034 | -1.657 | 270 | 272 | -.074 | .119 | .363 | -.538 | 270 | 921 | -.553 | .174 | -.043 | -1.092 |
| 270 | 223 | -.568 | .255 | .446 | -1.394 | 270 | 273 | -.024 | .134 | .423 | -.452 | 270 | 922 | -.595 | .195 | -.004 | -1.404 |
| 270 | 224 | -.322 | .237 | .409 | -1.013 | 270 | 301 | -.253 | .128 | .217 | -.645 | 270 | 923 | -.517 | .174 | .043 | -1.229 |
| 270 | 225 | -.163 | .204 | .372 | -1.109 | 270 | 302 | -.240 | .155 | .203 | -1.014 | 270 | 924 | -.613 | .223 | .043 | -1.842 |
| 270 | 226 | -.116 | .170 | .383 | -1.114 | 270 | 303 | -.265 | .132 | .172 | -.915 | 270 | 925 | -.602 | .215 | .258 | -1.760 |
| 270 | 227 | -.134 | .141 | .351 | -.639 | 270 | 304 | -.227 | .142 | .328 | -1.016 | 270 | 926 | -.464 | .231 | .287 | -1.275 |
| 270 | 228 | -.171 | .124 | .265 | -.786 | 270 | 305 | -.244 | .128 | .193 | -.656 | 270 | 927 | -.237 | .260 | .777 | -1.057 |
| 270 | 229 | -.738 | .209 | -.199 | -1.790 | 270 | 306 | -.246 | .124 | .123 | -.722 | 270 | 928 | -.130 | .317 | 1.274 | -1.540 |
| 270 | 230 | -.720 | .198 | -.019 | -1.801 | 270 | 307 | -.264 | .145 | .174 | -.777 | 270 | 929 | -.478 | .165 | -.013 | -1.012 |
| 270 | 231 | -.684 | .250 | .280 | -1.767 | 270 | 308 | -.250 | .126 | .124 | -.873 | 270 | 930 | -.538 | .155 | -.048 | -1.451 |
| 270 | 232 | -.543 | .236 | .365 | -.526 | 270 | 309 | -.265 | .127 | .109 | -.687 | 270 | 931 | -.573 | .186 | -.064 | -1.698 |
| 270 | 233 | -.277 | .226 | .377 | -1.140 | 270 | 310 | -.245 | .116 | .130 | -.703 | 270 | 932 | -.445 | .175 | .111 | -1.084 |
| 270 | 234 | -.159 | .174 | .492 | -.753 | 270 | 311 | -.254 | .121 | .160 | -.646 | 270 | 933 | -.595 | .184 | -.039 | -1.312 |
| 270 | 235 | -.123 | .151 | .590 | -.705 | 270 | 312 | -.258 | .117 | .123 | -.708 | 270 | 934 | -.640 | .188 | -.004 | -1.454 |
| 270 | 236 | -.153 | .133 | .251 | -.777 | 270 | 313 | -.255 | .132 | .135 | -.732 | 270 | 935 | -.476 | .239 | .592 | -1.359 |
| 270 | 237 | -.217 | .121 | .170 | -.763 | 270 | 314 | -.251 | .120 | .114 | -.782 | 270 | 936 | -.286 | .236 | .616 | -1.232 |
| 270 | 238 | -.762 | .229 | -.143 | -2.065 | 270 | 401 | -.526 | .164 | .012 | -1.146 | 270 | 937 | -.483 | .270 | 1.422 | -.781 |
| 270 | 239 | -.743 | .228 | -.112 | -2.003 | 270 | 402 | -.534 | .182 | .060 | -1.101 | 270 | 938 | -.483 | .167 | .072 | -1.076 |
| 270 | 240 | -.679 | .255 | -.104 | -1.937 | 270 | 403 | -.482 | .192 | .214 | -1.162 | 270 | 939 | -.527 | .172 | .006 | -1.493 |
| 270 | 241 | -.414 | .290 | .303 | -1.452 | 270 | 404 | -.427 | .170 | .364 | -1.094 | 270 | 940 | -.652 | .181 | -.050 | -1.340 |
| 270 | 242 | -.243 | .230 | .386 | -1.392 | 270 | 405 | -.453 | .165 | .218 | -1.119 | 270 | 941 | -.492 | .176 | .041 | -1.141 |
| 270 | 243 | -.132 | .166 | .439 | -.908 | 270 | 501 | -.081 | .382 | 1.199 | -1.554 | 270 | 942 | -.599 | .184 | -.054 | -1.345 |
| 270 | 244 | -.103 | .146 | .388 | -.873 | 270 | 502 | -.077 | .375 | 1.203 | -1.540 | 270 | 943 | -.646 | .219 | .141 | -1.688 |
| 270 | 245 | -.064 | .131 | .317 | -.701 | 270 | 503 | -.071 | .395 | 1.174 | -1.389 | 270 | 944 | -.550 | .251 | .444 | -2.117 |
| 270 | 246 | -.018 | .136 | .453 | -.810 | 270 | 504 | -.067 | .407 | 1.240 | -1.585 | 270 | 945 | -.364 | .298 | 1.017 | -1.832 |
| 270 | 247 | -.723 | .227 | .015 | -2.184 | 270 | 505 | -.089 | .294 | 1.226 | -1.831 | 270 | 946 | -.006 | .304 | 1.490 | -1.100 |
| 270 | 248 | -.732 | .277 | .133 | -2.359 | 270 | 506 | -.007 | .285 | 1.226 | -.798 | 270 | 1107 | -.264 | .154 | .251 | -.743 |
| 270 | 249 | -.632 | .312 | .296 | -1.946 | 270 | 507 | -.054 | .282 | 1.014 | -2.794 | 270 | 1108 | -.257 | .144 | .319 | -.665 |
| 270 | 250 | -.332 | .266 | .473 | -1.454 | 270 | 508 | -.065 | .293 | 1.403 | -1.199 | 270 | 1109 | -.247 | .151 | .228 | -.737 |
| 270 | 251 | -.192 | .198 | .299 | -1.029 | 270 | 509 | -.093 | .301 | 1.197 | -1.470 | 270 | 1110 | -.246 | .135 | .286 | -.721 |
| 270 | 252 | -.118 | .157 | .372 | -.928 | 270 | 901 | -.606 | .175 | -.060 | -1.230 | 270 | 1111 | -.279 | .150 | .197 | -.719 |
| 270 | 253 | -.090 | .142 | .397 | -.627 | 270 | 902 | -.609 | .188 | -.066 | -1.686 | 270 | 1116 | -.272 | .171 | .238 | -.837 |
| 270 | 254 | -.032 | .124 | .358 | -.590 | 270 | 903 | -.527 | .172 | .191 | -1.125 | 270 | 1121 | -.193 | .161 | .377 | -.741 |
| 270 | 255 | -.025 | .145 | .495 | -.649 | 270 | 904 | -.677 | .205 | .226 | -1.669 | 270 | 1126 | -.160 | .183 | .452 | -.777 |
| 270 | 256 | -.699 | .285 | .066 | -2.630 | 270 | 905 | -.637 | .280 | .496 | -2.419 | 270 | 1136 | -.162 | .205 | .448 | -.915 |
| 270 | 257 | -.687 | .309 | .043 | -2.153 | 270 | 906 | -.491 | .305 | .669 | -2.115 | 270 | 1221 | -.259 | .138 | .186 | -.723 |
| 270 | 258 | -.550 | .328 | .547 | -1.898 | 270 | 907 | -.317 | .276 | .715 | -1.810 | 270 | 1222 | -.282 | .126 | .123 | -.692 |
| 270 | 259 | -.315 | .269 | .499 | -1.263 | 270 | 908 | -.222 | .237 | .536 | -1.319 | 270 | 1223 | -.276 | .136 | .239 | -.767 |
| 270 | 260 | -.195 | .191 | .443 | -1.132 | 270 | 909 | -.207 | .174 | .472 | -.977 | 270 | 1224 | -.241 | .129 | .211 | -.625 |
| 270 | 261 | -.115 | .149 | .333 | -.769 | 270 | 910 | -.557 | .169 | .027 | -1.127 | 270 | 1225 | -.207 | .120 | .283 | -.642 |
| 270 | 262 | -.074 | .130 | .335 | -.563 | 270 | 911 | -.589 | .170 | -.058 | -1.170 | 270 | 1226 | -.196 | .117 | .263 | -.588 |
| 270 | 263 | -.051 | .122 | .344 | -.643 | 270 | 912 | -.639 | .184 | -.039 | -1.651 | 270 | 1227 | -.197 | .119 | .212 | -.592 |
| 270 | 264 | -.010 | .133 | .430 | -.643 | 270 | 913 | -.533 | .164 | .035 | -1.096 | 270 | 1230 | -.246 | .154 | .381 | -.709 |
| 270 | 265 | -.618 | .256 | .096 | -1.915 | 270 | 914 | -.632 | .181 | -.134 | -1.319 | 270 | 1231 | -.154 | .165 | .514 | -.664 |
| 270 | 266 | -.641 | .308 | .078 | -2.348 | 270 | 915 | -.624 | .191 | .191 | -1.402 | 270 | 1232 | -.125 | .131 | .272 | -.753 |
| 270 | 267 | -.448 | .288 | .319 | -1.654 | 270 | 916 | -.423 | .266 | .733 | -2.300 | 270 | 1233 | -.192 | .121 | .218 | -.570 |
| 270 | 268 | -.281 | .228 | .384 | -1.261 | 270 | 917 | -.281 | .255 | .627 | -1.166 | 270 | 1234 | -.187 | .131 | .198 | -.627 |

| WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN |
|-----|------|--------|-------|-------|-------|-----|------|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|
| 270 | 1235 | - .175 | .120 | .249 | -.553 | 270 | 1930 | - .258 | .136 | .230 | -.669 | 285 | 213 | - .872 | .238 | -.694 | -2.220 |
| 270 | 1236 | - .178 | .123 | .221 | -.563 | 270 | 1932 | - .270 | .149 | .249 | -.744 | 285 | 214 | - .783 | .194 | -.669 | -1.525 |
| 270 | 1239 | - .189 | .139 | .404 | -.611 | 270 | 1933 | - .279 | .157 | .270 | -.862 | 285 | 215 | - .683 | .210 | -.636 | -1.653 |
| 270 | 1240 | - .181 | .147 | .384 | -.683 | 270 | 1934 | - .280 | .147 | .168 | -.799 | 285 | 216 | - .590 | .188 | -.690 | -1.343 |
| 270 | 1241 | - .119 | .156 | .316 | -.709 | 270 | 1935 | - .259 | .137 | .220 | -.659 | 285 | 217 | - .493 | .173 | -.686 | -1.131 |
| 270 | 1242 | - .132 | .144 | .326 | -.669 | 270 | 1936 | - .235 | .129 | .147 | -.708 | 285 | 218 | - .492 | .214 | -.446 | -1.958 |
| 270 | 1243 | - .129 | .134 | .349 | -.627 | 270 | 1937 | - .215 | .134 | .325 | -.617 | 285 | 219 | - .487 | .214 | -.150 | -1.757 |
| 270 | 1244 | - .128 | .138 | .386 | -.634 | 270 | 1939 | - .251 | .146 | .299 | -.758 | 285 | 220 | - .709 | .174 | -.636 | -1.661 |
| 270 | 1245 | - .110 | .140 | .341 | -.599 | 270 | 1941 | - .268 | .148 | .243 | -.744 | 285 | 221 | - .710 | .166 | -.205 | -1.423 |
| 270 | 1248 | - .168 | .157 | .372 | -.797 | 270 | 1942 | - .280 | .151 | .182 | -.845 | 285 | 222 | - .796 | .214 | -.628 | -1.617 |
| 270 | 1249 | - .164 | .163 | .535 | -.688 | 270 | 1943 | - .282 | .146 | .168 | -.800 | 285 | 223 | - .795 | .209 | -.662 | -1.603 |
| 270 | 1250 | - .127 | .162 | .505 | -.741 | 270 | 1944 | - .258 | .130 | .168 | -.669 | 285 | 224 | - .717 | .205 | -.617 | -1.480 |
| 270 | 1251 | - .083 | .142 | .421 | -.555 | 270 | 1945 | - .227 | .128 | .155 | -.671 | 285 | 225 | - .617 | .205 | -.617 | -1.590 |
| 270 | 1252 | - .077 | .133 | .369 | -.514 | 270 | 1946 | - .212 | .131 | .207 | -.673 | 285 | 226 | - .535 | .194 | -.640 | -1.462 |
| 270 | 1253 | - .059 | .124 | .353 | -.472 | 285 | 101 | .330 | .295 | .985 | -.471 | 285 | 227 | - .466 | .148 | -.601 | -1.065 |
| 270 | 1254 | - .074 | .126 | .360 | -.535 | 285 | 102 | .388 | .360 | 1.074 | -.265 | 285 | 228 | - .475 | .179 | -.614 | -1.706 |
| 270 | 1257 | - .169 | .163 | .351 | -.665 | 285 | 103 | .314 | .202 | .933 | -.310 | 285 | 229 | - .682 | .147 | -.152 | -1.179 |
| 270 | 1258 | - .165 | .173 | .312 | -.686 | 285 | 104 | .310 | .178 | 1.018 | -.240 | 285 | 230 | - .664 | .143 | -.212 | -1.172 |
| 270 | 1259 | - .076 | .164 | .437 | -.711 | 285 | 105 | .302 | .193 | .883 | -.371 | 285 | 231 | - .688 | .143 | -.261 | -1.222 |
| 270 | 1260 | - .054 | .149 | .356 | -.532 | 285 | 106 | .489 | .202 | 1.122 | -.161 | 285 | 232 | - .673 | .141 | -.182 | -1.227 |
| 270 | 1261 | - .055 | .132 | .407 | -.579 | 285 | 107 | .785 | .204 | 1.351 | -.073 | 285 | 233 | - .614 | .175 | -.649 | -1.307 |
| 270 | 1262 | - .044 | .130 | .393 | -.535 | 285 | 108 | .836 | .221 | 1.535 | -.123 | 285 | 234 | - .502 | .184 | -.379 | -1.099 |
| 270 | 1263 | - .052 | .128 | .341 | -.513 | 285 | 109 | .821 | .208 | 1.519 | -.269 | 285 | 235 | - .442 | .184 | -.263 | -1.014 |
| 270 | 1266 | - .145 | .185 | .502 | -.711 | 285 | 110 | .754 | .186 | 1.333 | -.015 | 285 | 236 | - .492 | .162 | -.133 | -.973 |
| 270 | 1267 | - .117 | .156 | .379 | -.751 | 285 | 111 | .746 | .211 | 1.519 | -.192 | 285 | 237 | - .418 | .140 | -.072 | -.923 |
| 270 | 1268 | - .100 | .166 | .484 | -.934 | 285 | 112 | .393 | .180 | .976 | -.146 | 285 | 238 | - .627 | .156 | -.105 | -.377 |
| 270 | 1269 | - .067 | .127 | .349 | -.453 | 285 | 113 | .273 | .166 | .802 | -.267 | 285 | 239 | - .632 | .168 | -.027 | -.377 |
| 270 | 1270 | - .044 | .133 | .362 | -.697 | 285 | 114 | .236 | .153 | .829 | -.248 | 285 | 240 | - .667 | .162 | -.189 | -1.448 |
| 270 | 1271 | - .010 | .125 | .381 | -.420 | 285 | 115 | .622 | .202 | 1.347 | -.166 | 285 | 241 | - .646 | .164 | -.044 | -1.313 |
| 270 | 1272 | - .034 | .119 | .363 | -.435 | 285 | 116 | .504 | .187 | 1.145 | -.190 | 285 | 242 | - .626 | .167 | -.115 | -1.213 |
| 270 | 1303 | - .205 | .123 | .249 | -.539 | 285 | 120 | .620 | .207 | 1.265 | -.010 | 285 | 243 | - .525 | .159 | -.004 | -1.035 |
| 270 | 1305 | - .163 | .129 | .301 | -.586 | 285 | 121 | .448 | .196 | 1.099 | -.146 | 285 | 244 | - .486 | .175 | -.229 | -1.055 |
| 270 | 1307 | - .095 | .159 | .613 | -.702 | 285 | 125 | .511 | .187 | 1.270 | -.606 | 285 | 245 | - .422 | .169 | -.076 | -1.031 |
| 270 | 1309 | - .051 | .144 | .419 | -.547 | 285 | 126 | .312 | .186 | 1.205 | -.312 | 285 | 246 | - .431 | .203 | -.323 | -1.140 |
| 270 | 1311 | - .045 | .134 | .493 | -.389 | 285 | 130 | .490 | .183 | 1.145 | -.150 | 285 | 247 | - .597 | .161 | -.090 | -1.170 |
| 270 | 1313 | - .025 | .154 | .477 | -.669 | 285 | 131 | .326 | .173 | .900 | -.130 | 285 | 248 | - .607 | .186 | -.058 | -1.332 |
| 270 | 1911 | - .167 | .132 | .274 | -.613 | 285 | 135 | .375 | .149 | .933 | -.204 | 285 | 249 | - .638 | .186 | -.115 | -1.603 |
| 270 | 1913 | - .268 | .139 | .228 | -.822 | 285 | 136 | .221 | .170 | .840 | -.339 | 285 | 250 | - .667 | .236 | -.120 | -1.728 |
| 270 | 1914 | - .220 | .142 | .224 | -.762 | 285 | 201 | -.864 | .231 | -.604 | -1.842 | 285 | 251 | - .594 | .195 | -.031 | -1.347 |
| 270 | 1915 | - .262 | .135 | .195 | -.712 | 285 | 202 | -.854 | .263 | -.087 | -2.176 | 285 | 252 | - .519 | .193 | -.106 | -1.300 |
| 270 | 1916 | - .220 | .137 | .363 | -.673 | 285 | 203 | -.979 | .295 | .070 | -2.381 | 285 | 253 | - .448 | .179 | -.131 | -1.167 |
| 270 | 1917 | - .222 | .123 | .162 | -.812 | 285 | 204 | -.512 | .168 | .019 | -1.285 | 285 | 254 | - .414 | .194 | -.211 | -1.005 |
| 270 | 1918 | - .212 | .128 | .211 | -.825 | 285 | 205 | -.551 | .213 | .088 | -1.762 | 285 | 255 | - .446 | .229 | -.178 | -1.402 |
| 270 | 1921 | - .275 | .138 | .193 | -.825 | 285 | 206 | -.599 | .285 | .159 | -2.186 | 285 | 256 | - .595 | .183 | -.100 | -1.393 |
| 270 | 1923 | - .286 | .138 | .129 | -.843 | 285 | 207 | -.494 | .154 | .028 | -1.158 | 285 | 257 | - .584 | .179 | -.106 | -1.238 |
| 270 | 1924 | - .268 | .177 | .232 | -.839 | 285 | 208 | -.516 | .209 | .214 | -1.411 | 285 | 258 | - .639 | .236 | -.028 | -2.354 |
| 270 | 1925 | - .266 | .143 | .182 | -.758 | 285 | 209 | -.547 | .240 | .153 | -1.960 | 285 | 259 | - .631 | .215 | -.083 | -1.599 |
| 270 | 1926 | - .244 | .133 | .228 | -.733 | 285 | 210 | -.672 | .171 | -.136 | -1.806 | 285 | 260 | - .585 | .193 | -.067 | -1.277 |
| 270 | 1927 | - .218 | .129 | .197 | -.725 | 285 | 211 | -.767 | .221 | -.177 | -1.868 | 285 | 261 | - .492 | .197 | -.254 | -1.279 |
| 270 | 1928 | - .200 | .140 | .230 | -.828 | 285 | 212 | -.897 | .254 | -.052 | -2.388 | 285 | 262 | - .413 | .179 | -.181 | -.649 |

| MD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | MD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | MD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN |
|-----|-----|--------|-------|-------|--------|-----|-------|--------|-------|-------|--------|-----|------|--------|-------|-------|--------|
| 285 | 263 | -.399 | .181 | .298 | -1.097 | 285 | 912 | -.077 | .286 | -.173 | -2.003 | 285 | 1227 | -.317 | .110 | .024 | -.718 |
| 285 | 264 | -.427 | .213 | .210 | -1.177 | 285 | 913 | -.992 | .234 | -.233 | -1.751 | 285 | 1230 | -.384 | .169 | .219 | -.917 |
| 285 | 265 | -.605 | .211 | .097 | -1.414 | 285 | 914 | -.611 | .394 | .540 | -2.256 | 285 | 1231 | -.169 | .189 | .696 | -.586 |
| 285 | 266 | -.592 | .223 | .033 | -2.272 | 285 | 915 | -.270 | .271 | .472 | -1.462 | 285 | 1232 | -.097 | .126 | .378 | -.542 |
| 285 | 267 | -.634 | .216 | .083 | -1.742 | 285 | 916 | -.069 | .205 | .485 | -1.222 | 285 | 1233 | -.270 | .134 | .152 | -.711 |
| 285 | 268 | -.621 | .238 | -.033 | -1.633 | 285 | 917 | -.077 | .136 | .600 | -.849 | 285 | 1234 | -.267 | .121 | .198 | -.663 |
| 285 | 269 | -.537 | .202 | .097 | -1.525 | 285 | 918 | -.345 | .169 | .249 | -.938 | 285 | 1235 | -.252 | .134 | .147 | -.781 |
| 285 | 270 | -.470 | .203 | .186 | -1.341 | 285 | 919 | -.317 | .165 | .216 | -.961 | 285 | 1236 | -.270 | .127 | .261 | -.757 |
| 285 | 271 | -.389 | .187 | .181 | -1.081 | 285 | 920 | -.207 | .226 | -.439 | -2.076 | 285 | 1239 | -.102 | .166 | .515 | -.619 |
| 285 | 272 | -.381 | .169 | .169 | -.973 | 285 | 921 | -.204 | .203 | .587 | -1.975 | 285 | 1240 | -.021 | .200 | .636 | -.626 |
| 285 | 273 | -.402 | .202 | .244 | -1.251 | 285 | 922 | -.248 | .243 | -.300 | -2.221 | 285 | 1241 | -.018 | .150 | .429 | -.544 |
| 285 | 301 | -.375 | .124 | .077 | -.813 | 285 | 923 | -.848 | .192 | -.078 | -1.330 | 285 | 1242 | -.101 | .122 | .304 | -.500 |
| 285 | 302 | -.354 | .138 | .118 | -.771 | 285 | 924 | -.262 | .303 | .658 | -1.315 | 285 | 1243 | -.152 | .115 | .203 | -.535 |
| 285 | 303 | -.372 | .135 | .095 | -.843 | 285 | 925 | -.196 | .206 | .760 | -.665 | 285 | 1244 | -.160 | .127 | .307 | -.579 |
| 285 | 304 | -.352 | .136 | .081 | -.773 | 285 | 926 | -.265 | .174 | .791 | -.738 | 285 | 1245 | -.156 | .129 | .309 | -.619 |
| 285 | 305 | -.425 | .149 | .166 | -.831 | 285 | 927 | -.434 | .201 | 1.124 | -.523 | 285 | 1248 | -.057 | .173 | .499 | -.813 |
| 285 | 306 | -.388 | .128 | .004 | -.937 | 285 | 928 | -.525 | .252 | 1.444 | -2.293 | 285 | 1249 | -.071 | .189 | .598 | -.803 |
| 285 | 307 | -.427 | .144 | .025 | -.874 | 285 | 929 | -.031 | .172 | 1.446 | -1.697 | 285 | 1250 | -.015 | .132 | .404 | -.487 |
| 285 | 308 | -.369 | .141 | .067 | -.875 | 285 | 930 | -.086 | .209 | -.211 | -1.791 | 285 | 1251 | -.070 | .121 | .381 | -.533 |
| 285 | 309 | -.343 | .128 | .036 | -.769 | 285 | 931 | -.170 | .248 | .441 | -2.462 | 285 | 1252 | -.131 | .110 | .274 | -.510 |
| 285 | 310 | -.312 | .125 | .201 | -.849 | 285 | 932 | -.703 | .176 | -.064 | -1.400 | 285 | 1253 | -.136 | .113 | .253 | -.521 |
| 285 | 311 | -.317 | .131 | .121 | -.738 | 285 | 933 | -.749 | .274 | .321 | -1.664 | 285 | 1254 | -.166 | .116 | .238 | -.596 |
| 285 | 312 | -.312 | .128 | .146 | -.866 | 285 | 934 | -.076 | .258 | .807 | -1.003 | 285 | 1257 | -.018 | .151 | .496 | -.582 |
| 285 | 313 | -.296 | .138 | .112 | -.742 | 285 | 935 | -.362 | .169 | .960 | -.198 | 285 | 1258 | -.003 | .163 | .485 | -.565 |
| 285 | 314 | -.249 | .123 | .131 | -.702 | 285 | 936 | -.540 | .201 | 1.167 | -2.212 | 285 | 1259 | -.019 | .130 | .363 | -.533 |
| 285 | 401 | -1.108 | .225 | -.392 | -1.816 | 285 | 937 | -.758 | .210 | 1.395 | -.028 | 285 | 1260 | -.078 | .117 | .406 | -.450 |
| 285 | 402 | -1.031 | .227 | -.227 | -1.764 | 285 | 938 | -.761 | .188 | .205 | -2.011 | 285 | 1261 | -.111 | .132 | .353 | -.493 |
| 285 | 403 | -1.018 | .214 | -.325 | -1.866 | 285 | 939 | -.808 | .187 | -.229 | -1.636 | 285 | 1262 | -.124 | .123 | .348 | -.551 |
| 285 | 404 | -.759 | .183 | -.069 | -1.516 | 285 | 940 | -.053 | .247 | -.281 | -2.252 | 285 | 1263 | -.128 | .112 | .224 | -.537 |
| 285 | 405 | -.642 | .168 | -.057 | -1.273 | 285 | 941 | -.754 | .197 | -.078 | -1.453 | 285 | 1266 | -.016 | .176 | .564 | -.626 |
| 285 | 501 | -.597 | .186 | 1.278 | -.092 | 285 | 942 | -.111 | .331 | -.090 | -2.319 | 285 | 1267 | -.031 | .151 | .487 | -.530 |
| 285 | 502 | -.615 | .201 | 1.255 | -.152 | 285 | 943 | -.659 | .407 | -.396 | -3.042 | 285 | 1268 | -.016 | .132 | .386 | -.568 |
| 285 | 503 | -.728 | .198 | 1.409 | -.008 | 285 | 944 | -.045 | .221 | .743 | -2.238 | 285 | 1269 | -.055 | .122 | .372 | -.482 |
| 285 | 504 | -.717 | .171 | 1.471 | -.019 | 285 | 945 | -.350 | .174 | .834 | -2.339 | 285 | 1270 | -.079 | .129 | .441 | -.521 |
| 285 | 505 | -.499 | .191 | 1.184 | -.179 | 285 | 946 | -.480 | .197 | 1.143 | -.349 | 285 | 1271 | -.014 | .143 | .520 | -.487 |
| 285 | 506 | -.731 | .182 | 1.278 | -.124 | 285 | 1107 | -.457 | .148 | 1.101 | -.895 | 285 | 1272 | -.134 | .118 | .263 | -.544 |
| 285 | 507 | -.702 | .210 | 1.313 | -.084 | 285 | 1108 | -.463 | .153 | -.033 | -.901 | 285 | 1303 | -.428 | .140 | .003 | -.899 |
| 285 | 508 | -.477 | .217 | 1.218 | -.246 | 285 | 1109 | -.470 | .155 | .136 | -.979 | 285 | 1305 | -.439 | .153 | .214 | -.832 |
| 285 | 509 | -.352 | .282 | 1.349 | -.747 | 285 | 1110 | -.471 | .146 | -.010 | -.988 | 285 | 1307 | -.366 | .157 | .195 | -.849 |
| 285 | 901 | -1.453 | .321 | 1.536 | -2.899 | 285 | 1111 | -.480 | .152 | -.001 | -.945 | 285 | 1309 | -.221 | .168 | .521 | -.734 |
| 285 | 902 | -1.363 | .353 | 1.076 | -2.660 | 285 | 11116 | -.510 | .144 | -.064 | -1.070 | 285 | 1311 | -.084 | .178 | .546 | -.584 |
| 285 | 903 | -1.131 | .266 | .196 | -2.186 | 285 | 1121 | -.534 | .160 | -.004 | -1.039 | 285 | 1313 | -.224 | .185 | .375 | -.770 |
| 285 | 904 | -.849 | .390 | .297 | -2.999 | 285 | 1126 | -.541 | .162 | .032 | -1.091 | 285 | 1911 | -.374 | .141 | .084 | -.820 |
| 285 | 905 | -.281 | .244 | .421 | -1.284 | 285 | 1136 | -.541 | .182 | .015 | -1.118 | 285 | 1913 | -.438 | .141 | .093 | -.864 |
| 285 | 906 | -.053 | .210 | .305 | -1.824 | 285 | 1221 | -.398 | .146 | .043 | -.926 | 285 | 1914 | -.419 | .141 | .122 | -.912 |
| 285 | 907 | -.073 | .185 | .394 | -1.205 | 285 | 1222 | -.469 | .158 | .041 | -.982 | 285 | 1915 | -.468 | .146 | .036 | -1.008 |
| 285 | 908 | -.222 | .169 | .330 | -.820 | 285 | 1223 | -.422 | .146 | .059 | -.905 | 285 | 1916 | -.401 | .149 | .047 | -.885 |
| 285 | 909 | -.357 | .148 | .191 | -.982 | 285 | 1224 | -.350 | .136 | .085 | -.824 | 285 | 1917 | -.428 | .146 | .040 | -.837 |
| 285 | 910 | -1.365 | .307 | 1.454 | -2.625 | 285 | 1225 | -.309 | .134 | .156 | -.709 | 285 | 1918 | -.415 | .135 | .032 | -.858 |
| 285 | 911 | -1.338 | .290 | .433 | -2.666 | 285 | 1226 | -.316 | .116 | .080 | -.702 | 285 | 1921 | -.470 | .151 | .134 | -.931 |

| WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN |
|-----|------|--------|-------|-------|-------|-----|-----|--------|-------|-------|-------|-----|-----|--------|-------|-------|-------|
| 285 | 1923 | 477 | 135 | 013 | 904 | 300 | 207 | 612 | 145 | 133 | 139 | 300 | 257 | 529 | 139 | 045 | 938 |
| 285 | 1924 | 460 | 132 | 051 | 932 | 300 | 208 | 608 | 138 | 140 | 188 | 300 | 258 | 547 | 143 | 034 | 987 |
| 285 | 1925 | 473 | 152 | 020 | 928 | 300 | 209 | 638 | 147 | 083 | 170 | 300 | 259 | 544 | 146 | 053 | 069 |
| 285 | 1926 | 437 | 143 | 042 | 945 | 300 | 210 | 592 | 144 | 008 | 040 | 300 | 260 | 596 | 151 | 004 | 222 |
| 285 | 1927 | 442 | 137 | 041 | 937 | 300 | 211 | 589 | 132 | 147 | 028 | 300 | 261 | 591 | 132 | 176 | 182 |
| 285 | 1928 | 418 | 134 | 029 | 864 | 300 | 212 | 585 | 144 | 109 | 087 | 300 | 262 | 586 | 148 | 073 | 212 |
| 285 | 1930 | 480 | 154 | 151 | 014 | 300 | 213 | 603 | 138 | 120 | 219 | 300 | 263 | 639 | 172 | 098 | 385 |
| 285 | 1932 | 474 | 133 | 024 | 897 | 300 | 214 | 594 | 146 | 156 | 089 | 300 | 264 | 738 | 176 | 203 | 410 |
| 285 | 1933 | 469 | 152 | 099 | 922 | 300 | 215 | 607 | 141 | 147 | 143 | 300 | 265 | 518 | 145 | 013 | 031 |
| 285 | 1934 | 471 | 150 | 055 | 885 | 300 | 216 | 587 | 127 | 071 | 046 | 300 | 266 | 516 | 144 | 038 | 060 |
| 285 | 1935 | 458 | 138 | 065 | 853 | 300 | 217 | 586 | 157 | 158 | 338 | 300 | 267 | 564 | 145 | 035 | 061 |
| 285 | 1936 | 449 | 140 | 161 | 933 | 300 | 218 | 566 | 122 | 189 | 999 | 300 | 268 | 591 | 149 | 102 | 120 |
| 285 | 1937 | 412 | 135 | 028 | 887 | 300 | 219 | 613 | 153 | 136 | 103 | 300 | 269 | 592 | 160 | 094 | 329 |
| 285 | 1939 | 473 | 145 | 116 | 985 | 300 | 220 | 590 | 132 | 140 | 015 | 300 | 270 | 611 | 154 | 215 | 225 |
| 285 | 1941 | 480 | 144 | 011 | 995 | 300 | 221 | 553 | 144 | 038 | 027 | 300 | 271 | 573 | 146 | 153 | 052 |
| 285 | 1942 | 489 | 155 | 078 | 999 | 300 | 222 | 608 | 137 | 018 | 018 | 300 | 272 | 516 | 160 | 069 | 380 |
| 285 | 1943 | 474 | 134 | 029 | 954 | 300 | 223 | 623 | 131 | 205 | 078 | 300 | 273 | 629 | 157 | 073 | 233 |
| 285 | 1944 | 459 | 152 | 022 | 1043 | 300 | 224 | 624 | 145 | 114 | 074 | 300 | 301 | 475 | 138 | 073 | 927 |
| 285 | 1945 | 425 | 151 | 091 | 878 | 300 | 225 | 599 | 143 | 125 | 047 | 300 | 302 | 442 | 130 | 004 | 836 |
| 285 | 1946 | 408 | 126 | 011 | 888 | 300 | 226 | 619 | 123 | 145 | 999 | 300 | 303 | 494 | 135 | 041 | 875 |
| 300 | 101 | 470 | 208 | 130 | 209 | 300 | 227 | 615 | 129 | 156 | 109 | 300 | 304 | 466 | 133 | 136 | 908 |
| 300 | 102 | 236 | 198 | 903 | 378 | 300 | 228 | 612 | 142 | 196 | 224 | 300 | 305 | 546 | 139 | 091 | 006 |
| 300 | 103 | 108 | 172 | 621 | 447 | 300 | 229 | 582 | 141 | 135 | 028 | 300 | 306 | 493 | 143 | 095 | 993 |
| 300 | 104 | 153 | 175 | 785 | 442 | 300 | 230 | 572 | 120 | 151 | 045 | 300 | 307 | 541 | 154 | 063 | 133 |
| 300 | 105 | 105 | 173 | 637 | 447 | 300 | 231 | 611 | 135 | 131 | 121 | 300 | 308 | 501 | 146 | 061 | 087 |
| 300 | 106 | 822 | 206 | 444 | 143 | 300 | 232 | 628 | 141 | 144 | 098 | 300 | 309 | 429 | 146 | 156 | 909 |
| 300 | 107 | 838 | 197 | 417 | 237 | 300 | 233 | 628 | 129 | 165 | 074 | 300 | 310 | 408 | 143 | 093 | 035 |
| 300 | 108 | 679 | 194 | 286 | 106 | 300 | 234 | 604 | 138 | 215 | 074 | 300 | 311 | 406 | 150 | 078 | 927 |
| 300 | 109 | 610 | 176 | 174 | 001 | 300 | 235 | 594 | 135 | 089 | 100 | 300 | 312 | 388 | 143 | 042 | 273 |
| 300 | 110 | 605 | 169 | 164 | 007 | 300 | 236 | 595 | 142 | 142 | 089 | 300 | 313 | 347 | 142 | 177 | 825 |
| 300 | 111 | 562 | 195 | 081 | 049 | 300 | 237 | 615 | 145 | 039 | 132 | 300 | 314 | 325 | 151 | 154 | 307 |
| 300 | 112 | 251 | 169 | 749 | 343 | 300 | 238 | 549 | 146 | 008 | 024 | 300 | 401 | 251 | 207 | 495 | 153 |
| 300 | 113 | 156 | 154 | 684 | 284 | 300 | 239 | 549 | 136 | 093 | 141 | 300 | 402 | 148 | 220 | 447 | 978 |
| 300 | 114 | 109 | 164 | 611 | 481 | 300 | 240 | 563 | 126 | 073 | 021 | 300 | 403 | 981 | 239 | 323 | 948 |
| 300 | 115 | 755 | 232 | 515 | 327 | 300 | 241 | 575 | 137 | 071 | 027 | 300 | 404 | 022 | 222 | 226 | 914 |
| 300 | 116 | 195 | 185 | 851 | 706 | 300 | 242 | 590 | 127 | 175 | 074 | 300 | 405 | 904 | 195 | 278 | 575 |
| 300 | 120 | 610 | 249 | 499 | 781 | 300 | 243 | 614 | 139 | 164 | 101 | 300 | 501 | 391 | 247 | 1294 | 233 |
| 300 | 121 | 122 | 173 | 706 | 399 | 300 | 244 | 606 | 130 | 122 | 101 | 300 | 502 | 330 | 296 | 1314 | 896 |
| 300 | 125 | 533 | 232 | 189 | 702 | 300 | 245 | 642 | 154 | 133 | 291 | 300 | 503 | 338 | 377 | 1574 | 308 |
| 300 | 126 | 034 | 175 | 565 | 557 | 300 | 246 | 642 | 167 | 133 | 314 | 300 | 504 | 412 | 424 | 616 | 138 |
| 300 | 130 | 388 | 260 | 154 | 196 | 300 | 247 | 500 | 143 | 024 | 982 | 300 | 505 | 447 | 228 | 185 | 359 |
| 300 | 131 | 016 | 177 | 747 | 605 | 300 | 248 | 522 | 146 | 093 | 025 | 300 | 506 | 409 | 238 | 1345 | 288 |
| 300 | 135 | 305 | 198 | 031 | 301 | 300 | 249 | 546 | 140 | 062 | 094 | 300 | 507 | 201 | 244 | 075 | 588 |
| 300 | 136 | 010 | 171 | 529 | 557 | 300 | 250 | 570 | 151 | 124 | 092 | 300 | 508 | 024 | 268 | 144 | 269 |
| 300 | 201 | 565 | 158 | 030 | 111 | 300 | 251 | 590 | 182 | 051 | 300 | 300 | 509 | 110 | 239 | 792 | 061 |
| 300 | 202 | 625 | 162 | 030 | 320 | 300 | 252 | 597 | 146 | 122 | 162 | 300 | 901 | 916 | 412 | 584 | 557 |
| 300 | 203 | 662 | 180 | 098 | 621 | 300 | 253 | 585 | 143 | 100 | 094 | 300 | 902 | 384 | 250 | 625 | 943 |
| 300 | 204 | 626 | 156 | 031 | 102 | 300 | 254 | 614 | 179 | 151 | 320 | 300 | 903 | 226 | 243 | 357 | 074 |
| 300 | 205 | 611 | 154 | 033 | 183 | 300 | 255 | 938 | 249 | 214 | 879 | 300 | 904 | 714 | 205 | 045 | 644 |
| 300 | 206 | 659 | 173 | 125 | 535 | 300 | 256 | 509 | 132 | 073 | 823 | 300 | 905 | 437 | 221 | 204 | 419 |

| WD | TAP | CPHEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPHEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPHEAN | CPRMS | CPMAX | CPMIN |
|-----|------|--------|-------|--------|--------|-----|------|--------|-------|-------|--------|-----|------|--------|-------|-------|--------|
| 300 | 906 | -.295 | .254 | .407 | -1.351 | 300 | 1221 | -.478 | .175 | .122 | -1.347 | 300 | 1914 | -.539 | .140 | -.031 | -1.023 |
| 300 | 907 | -.159 | .264 | .530 | -1.391 | 300 | 1222 | -.527 | .184 | .097 | -1.041 | 300 | 1915 | -.577 | .141 | -.008 | -1.025 |
| 300 | 908 | -.145 | .184 | .406 | -1.137 | 300 | 1223 | -.283 | .169 | .263 | -.834 | 300 | 1916 | -.547 | .151 | -.083 | -1.023 |
| 300 | 909 | -.476 | .157 | .141 | -1.067 | 300 | 1224 | -.283 | .143 | .304 | -.673 | 300 | 1917 | -.559 | .141 | -.069 | -1.086 |
| 300 | 910 | -2.868 | .431 | -1.202 | -4.047 | 300 | 1225 | -.330 | .128 | .149 | -.733 | 300 | 1918 | -.550 | .147 | -.081 | -1.025 |
| 300 | 911 | -.738 | .185 | -.218 | -1.922 | 300 | 1226 | -.359 | .113 | .028 | -.734 | 300 | 1921 | -.557 | .163 | -.004 | -1.163 |
| 300 | 912 | -.903 | .298 | -.070 | -2.296 | 300 | 1227 | -.355 | .128 | .111 | -.789 | 300 | 1923 | -.597 | .160 | -.014 | -1.122 |
| 300 | 913 | -1.074 | .206 | -.180 | -1.703 | 300 | 1230 | -.323 | .182 | .412 | -.900 | 300 | 1924 | -.628 | .163 | -.049 | -1.222 |
| 300 | 914 | -.791 | .222 | .193 | -1.594 | 300 | 1231 | -.265 | .146 | .778 | -.237 | 300 | 1925 | -.598 | .152 | -.074 | -1.080 |
| 300 | 915 | -.472 | .205 | .207 | -1.554 | 300 | 1232 | -.029 | .138 | .400 | -.505 | 300 | 1926 | -.602 | .139 | -.134 | -1.171 |
| 300 | 916 | -.304 | .230 | .342 | -1.513 | 300 | 1233 | -.246 | .124 | .241 | -.673 | 300 | 1927 | -.574 | .145 | -.140 | -1.104 |
| 300 | 917 | -.151 | .237 | .602 | -1.314 | 300 | 1234 | -.272 | .130 | .223 | -.709 | 300 | 1928 | -.537 | .147 | -.004 | -.996 |
| 300 | 918 | -.322 | .184 | .295 | -1.028 | 300 | 1235 | -.271 | .124 | .122 | -.711 | 300 | 1930 | -.568 | .146 | -.010 | -1.074 |
| 300 | 919 | -.454 | .170 | .187 | -1.352 | 300 | 1236 | -.281 | .132 | .115 | -.724 | 300 | 1932 | -.631 | .164 | -.122 | -1.271 |
| 300 | 920 | -1.567 | .258 | .611 | -2.465 | 300 | 1239 | -.097 | .151 | .609 | -.523 | 300 | 1933 | -.641 | .155 | -.089 | -1.131 |
| 300 | 921 | -1.767 | .314 | .814 | -3.012 | 300 | 1240 | -.272 | .157 | .814 | -.199 | 300 | 1934 | -.617 | .157 | -.193 | -1.155 |
| 300 | 922 | -1.108 | .418 | .909 | -2.769 | 300 | 1241 | -.075 | .137 | .540 | -.347 | 300 | 1935 | -.619 | .163 | -.065 | -1.155 |
| 300 | 923 | -.776 | .192 | -.109 | -1.606 | 300 | 1242 | -.098 | .120 | .351 | -.487 | 300 | 1936 | -.588 | .143 | -.069 | -1.041 |
| 300 | 924 | -.033 | .267 | .757 | -1.121 | 300 | 1243 | -.197 | .135 | .263 | -.632 | 300 | 1937 | -.557 | .150 | -.010 | -1.183 |
| 300 | 925 | -.189 | .226 | .471 | -1.004 | 300 | 1244 | -.194 | .125 | .234 | -.581 | 300 | 1939 | -.591 | .151 | -.144 | -1.143 |
| 300 | 926 | -.170 | .217 | .424 | -1.127 | 300 | 1245 | -.184 | .141 | .342 | -.684 | 300 | 1941 | -.627 | .156 | -.153 | -1.204 |
| 300 | 927 | -.071 | .216 | .664 | -1.855 | 300 | 1248 | -.152 | .173 | .719 | -.424 | 300 | 1942 | -.638 | .161 | -.089 | -1.145 |
| 300 | 928 | -.074 | .273 | .906 | -1.157 | 300 | 1249 | -.230 | .155 | .758 | -.303 | 300 | 1943 | -.616 | .159 | -.134 | -1.143 |
| 300 | 929 | -1.240 | .216 | .471 | -2.207 | 300 | 1250 | -.046 | .136 | .472 | -.486 | 300 | 1944 | -.559 | .154 | -.055 | -1.080 |
| 300 | 930 | -1.259 | .185 | .675 | -2.204 | 300 | 1251 | -.082 | .143 | .430 | -.545 | 300 | 1945 | -.508 | .150 | -.026 | -1.061 |
| 300 | 931 | -1.331 | .265 | .513 | -3.016 | 300 | 1252 | -.175 | .123 | .227 | -.642 | 300 | 1946 | -.494 | .161 | -.045 | -1.015 |
| 300 | 932 | -.656 | .221 | .181 | -1.447 | 300 | 1253 | -.201 | .126 | .205 | -.614 | 315 | 101 | -.182 | .295 | 1.032 | -1.109 |
| 300 | 933 | -.024 | .182 | .535 | -1.925 | 300 | 1254 | -.222 | .127 | .178 | -.615 | 315 | 102 | -.020 | .192 | -.628 | -.589 |
| 300 | 934 | .105 | .160 | .618 | -1.464 | 300 | 1257 | -.154 | .149 | .684 | -.332 | 315 | 103 | -.065 | .170 | -.472 | -.778 |
| 300 | 935 | .097 | .168 | .626 | -1.692 | 300 | 1258 | -.146 | .166 | .683 | -.441 | 315 | 104 | -.024 | .157 | -.446 | -.569 |
| 300 | 936 | .245 | .218 | .896 | -1.526 | 300 | 1259 | -.024 | .124 | .472 | -.377 | 315 | 105 | -.078 | .167 | -.424 | -.683 |
| 300 | 937 | .415 | .256 | 1.343 | -1.434 | 300 | 1260 | -.083 | .128 | .457 | -.473 | 315 | 106 | -.416 | .350 | 1.221 | -.691 |
| 300 | 938 | -1.073 | .179 | -.434 | -1.790 | 300 | 1261 | -.155 | .122 | .216 | -.545 | 315 | 107 | -.497 | .254 | 1.386 | -1.000 |
| 300 | 939 | -1.154 | .207 | -.265 | -2.065 | 300 | 1262 | -.192 | .134 | .425 | -.660 | 315 | 108 | -.371 | .177 | -.962 | -.294 |
| 300 | 940 | -1.157 | .284 | -.112 | -2.343 | 300 | 1263 | -.183 | .134 | .236 | -.642 | 315 | 109 | -.365 | .169 | -.994 | -.264 |
| 300 | 941 | -1.164 | .222 | -.379 | -2.065 | 300 | 1266 | -.197 | .163 | .769 | -.313 | 315 | 110 | -.338 | .156 | -.826 | -.174 |
| 300 | 942 | -.677 | .300 | .146 | -2.061 | 300 | 1267 | .131 | .141 | .666 | -.332 | 315 | 111 | -.209 | .188 | -.832 | -.384 |
| 300 | 943 | -.146 | .171 | .448 | -1.732 | 300 | 1268 | -.047 | .135 | .526 | -.376 | 315 | 112 | -.024 | .163 | -.552 | -.551 |
| 300 | 944 | -.001 | .153 | .420 | -1.605 | 300 | 1269 | -.087 | .136 | .423 | -.493 | 315 | 113 | -.001 | .168 | -.578 | -.579 |
| 300 | 945 | .208 | .167 | .729 | -1.581 | 300 | 1270 | -.139 | .125 | .281 | -.689 | 315 | 114 | -.026 | .166 | -.574 | -.593 |
| 300 | 946 | .467 | .232 | 1.272 | -1.283 | 300 | 1271 | -.039 | .141 | .537 | -.469 | 315 | 115 | -.065 | .166 | 1.060 | -1.746 |
| 300 | 1107 | -.587 | .146 | -.035 | -1.023 | 300 | 1272 | -.308 | .135 | -.138 | -.788 | 315 | 116 | -.191 | .179 | -.412 | -.944 |
| 300 | 1108 | -.588 | .144 | -.018 | -1.017 | 300 | 1303 | -.569 | .141 | -.134 | -.939 | 315 | 120 | -.228 | .377 | 1.022 | -1.527 |
| 300 | 1109 | -.575 | .148 | -.014 | -1.055 | 300 | 1305 | -.617 | .142 | -.159 | -.984 | 315 | 121 | -.175 | .183 | -.386 | -1.312 |
| 300 | 1110 | -.572 | .144 | -.073 | -1.051 | 300 | 1307 | -.596 | .167 | -.096 | -1.257 | 315 | 125 | -.445 | .380 | .761 | -1.810 |
| 300 | 1111 | -.616 | .138 | -.199 | -1.171 | 300 | 1309 | -.539 | .166 | -.081 | -1.147 | 315 | 126 | -.310 | .181 | -.350 | -.968 |
| 300 | 1116 | -.652 | .156 | -.132 | -1.293 | 300 | 1311 | -.447 | .185 | -.287 | -1.055 | 315 | 130 | -.499 | .410 | .737 | -1.724 |
| 300 | 1121 | -.629 | .154 | -.191 | -1.110 | 300 | 1313 | -.552 | .178 | -.043 | -1.212 | 315 | 131 | -.262 | .179 | -.304 | -1.056 |
| 300 | 1126 | -.673 | .153 | -.134 | -1.206 | 300 | 1911 | -.468 | .126 | -.063 | -.858 | 315 | 135 | -.337 | .327 | .624 | -1.497 |
| 300 | 1136 | -.651 | .166 | -.191 | -1.267 | 300 | 1913 | -.567 | .145 | -.061 | -1.037 | 315 | 136 | -.250 | .184 | .230 | -1.006 |

| MD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | MD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | MD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN |
|-----|-----|--------|-------|-------|-------|-----|-----|--------|-------|-------|-------|-----|------|--------|-------|-------|-------|
| 315 | 201 | 623 | 139 | 968 | 070 | 315 | 251 | 595 | 120 | 135 | 997 | 315 | 509 | 479 | 283 | 538 | 348 |
| 315 | 202 | 630 | 123 | 105 | 114 | 315 | 252 | 610 | 130 | 143 | 032 | 315 | 901 | 729 | 469 | 418 | 686 |
| 315 | 203 | 639 | 144 | 105 | 212 | 315 | 253 | 579 | 133 | 108 | 051 | 315 | 902 | 432 | 226 | 627 | 151 |
| 315 | 204 | 675 | 163 | 136 | 412 | 315 | 254 | 600 | 155 | 154 | 275 | 315 | 903 | 312 | 198 | 711 | 973 |
| 315 | 205 | 623 | 159 | 036 | 326 | 315 | 255 | 922 | 242 | 079 | 601 | 315 | 904 | 983 | 190 | 344 | 633 |
| 315 | 206 | 666 | 176 | 462 | 482 | 315 | 256 | 542 | 128 | 154 | 039 | 315 | 905 | 689 | 186 | 095 | 455 |
| 315 | 207 | 677 | 162 | 133 | 443 | 315 | 257 | 544 | 122 | 182 | 010 | 315 | 906 | 539 | 231 | 217 | 336 |
| 315 | 208 | 671 | 154 | 139 | 243 | 315 | 258 | 888 | 126 | 086 | 001 | 315 | 907 | 443 | 203 | 219 | 320 |
| 315 | 209 | 661 | 158 | 174 | 131 | 315 | 259 | 338 | 136 | 143 | 132 | 315 | 908 | 466 | 192 | 172 | 657 |
| 315 | 210 | 594 | 139 | 079 | 041 | 315 | 260 | 377 | 131 | 119 | 110 | 315 | 909 | 417 | 164 | 126 | 495 |
| 315 | 211 | 552 | 120 | 145 | 007 | 315 | 261 | 557 | 133 | 150 | 019 | 315 | 910 | 488 | 565 | 081 | 833 |
| 315 | 212 | 559 | 130 | 162 | 055 | 315 | 262 | 551 | 129 | 115 | 973 | 315 | 911 | 104 | 393 | 066 | 646 |
| 315 | 213 | 544 | 126 | 116 | 961 | 315 | 263 | 619 | 152 | 080 | 230 | 315 | 912 | 450 | 272 | 456 | 366 |
| 315 | 214 | 541 | 143 | 112 | 033 | 315 | 264 | 533 | 151 | 138 | 269 | 315 | 913 | 168 | 208 | 446 | 824 |
| 315 | 215 | 533 | 131 | 138 | 998 | 315 | 265 | 222 | 129 | 011 | 980 | 315 | 914 | 036 | 197 | 266 | 042 |
| 315 | 216 | 533 | 145 | 025 | 103 | 315 | 266 | 553 | 128 | 126 | 012 | 315 | 915 | 744 | 201 | 074 | 228 |
| 315 | 217 | 533 | 135 | 037 | 017 | 315 | 267 | 999 | 127 | 133 | 556 | 315 | 916 | 573 | 205 | 086 | 542 |
| 315 | 218 | 533 | 146 | 138 | 171 | 315 | 268 | 538 | 134 | 183 | 036 | 315 | 917 | 474 | 202 | 120 | 272 |
| 315 | 219 | 533 | 143 | 167 | 300 | 315 | 269 | 538 | 135 | 155 | 032 | 315 | 918 | 543 | 233 | 116 | 336 |
| 315 | 220 | 533 | 130 | 152 | 995 | 315 | 270 | 538 | 132 | 191 | 008 | 315 | 919 | 536 | 173 | 008 | 224 |
| 315 | 221 | 533 | 133 | 071 | 027 | 315 | 271 | 538 | 128 | 169 | 006 | 315 | 920 | 738 | 290 | 729 | 635 |
| 315 | 222 | 533 | 120 | 182 | 988 | 315 | 272 | 332 | 144 | 141 | 053 | 315 | 921 | 886 | 480 | 044 | 802 |
| 315 | 223 | 533 | 133 | 117 | 995 | 315 | 273 | 639 | 148 | 149 | 443 | 315 | 922 | 588 | 153 | 038 | 335 |
| 315 | 224 | 533 | 134 | 180 | 027 | 315 | 301 | 477 | 126 | 029 | 910 | 315 | 923 | 834 | 183 | 222 | 590 |
| 315 | 225 | 533 | 133 | 008 | 023 | 315 | 302 | 469 | 132 | 029 | 914 | 315 | 924 | 638 | 236 | 138 | 496 |
| 315 | 226 | 533 | 119 | 220 | 949 | 315 | 303 | 504 | 141 | 068 | 984 | 315 | 925 | 719 | 236 | 100 | 608 |
| 315 | 227 | 533 | 126 | 213 | 043 | 315 | 304 | 444 | 133 | 000 | 932 | 315 | 926 | 586 | 200 | 230 | 430 |
| 315 | 228 | 533 | 133 | 132 | 173 | 315 | 305 | 324 | 145 | 036 | 966 | 315 | 927 | 448 | 232 | 338 | 336 |
| 315 | 229 | 533 | 132 | 095 | 057 | 315 | 306 | 492 | 128 | 073 | 895 | 315 | 928 | 433 | 301 | 699 | 998 |
| 315 | 230 | 533 | 130 | 178 | 001 | 315 | 307 | 508 | 159 | 052 | 080 | 315 | 929 | 194 | 193 | 111 | 878 |
| 315 | 231 | 533 | 128 | 145 | 017 | 315 | 308 | 481 | 133 | 038 | 050 | 315 | 930 | 511 | 264 | 252 | 514 |
| 315 | 232 | 533 | 133 | 071 | 993 | 315 | 309 | 441 | 153 | 006 | 986 | 315 | 931 | 819 | 408 | 120 | 661 |
| 315 | 233 | 533 | 118 | 137 | 021 | 315 | 310 | 414 | 146 | 035 | 980 | 315 | 932 | 483 | 161 | 040 | 106 |
| 315 | 234 | 533 | 129 | 135 | 051 | 315 | 311 | 425 | 138 | 038 | 958 | 315 | 933 | 600 | 185 | 776 | 092 |
| 315 | 235 | 533 | 125 | 213 | 121 | 315 | 312 | 402 | 160 | 120 | 107 | 315 | 934 | 800 | 203 | 352 | 282 |
| 315 | 236 | 533 | 139 | 126 | 082 | 315 | 313 | 417 | 163 | 262 | 932 | 315 | 935 | 668 | 228 | 328 | 222 |
| 315 | 237 | 533 | 132 | 222 | 066 | 315 | 314 | 410 | 172 | 225 | 202 | 315 | 936 | 276 | 226 | 644 | 130 |
| 315 | 238 | 533 | 124 | 145 | 956 | 315 | 401 | 196 | 623 | 111 | 932 | 315 | 937 | 123 | 254 | 876 | 862 |
| 315 | 239 | 533 | 133 | 170 | 982 | 315 | 402 | 190 | 573 | 111 | 880 | 315 | 938 | 339 | 180 | 418 | 754 |
| 315 | 240 | 533 | 145 | 020 | 082 | 315 | 403 | 193 | 183 | 111 | 551 | 315 | 939 | 136 | 225 | 402 | 838 |
| 315 | 241 | 533 | 125 | 003 | 045 | 315 | 404 | 611 | 291 | 028 | 983 | 315 | 940 | 258 | 300 | 020 | 113 |
| 315 | 242 | 533 | 129 | 200 | 049 | 315 | 405 | 699 | 210 | 042 | 497 | 315 | 941 | 854 | 238 | 032 | 698 |
| 315 | 243 | 533 | 127 | 163 | 099 | 315 | 501 | 133 | 273 | 932 | 067 | 315 | 942 | 431 | 156 | 159 | 072 |
| 315 | 244 | 533 | 129 | 176 | 017 | 315 | 502 | 132 | 292 | 753 | 113 | 315 | 943 | 353 | 134 | 126 | 796 |
| 315 | 245 | 533 | 137 | 111 | 223 | 315 | 503 | 339 | 339 | 918 | 284 | 315 | 944 | 268 | 158 | 226 | 850 |
| 315 | 246 | 533 | 142 | 196 | 118 | 315 | 504 | 427 | 427 | 239 | 252 | 315 | 945 | 143 | 192 | 452 | 790 |
| 315 | 247 | 533 | 133 | 093 | 984 | 315 | 505 | 656 | 199 | 737 | 767 | 315 | 946 | 022 | 200 | 016 | 078 |
| 315 | 248 | 533 | 135 | 148 | 047 | 315 | 506 | 121 | 203 | 608 | 804 | 315 | 1107 | 516 | 147 | 066 | 983 |
| 315 | 249 | 533 | 132 | 139 | 019 | 315 | 507 | 230 | 265 | 673 | 798 | 315 | 1108 | 666 | 147 | 093 | 833 |
| 315 | 250 | 533 | 124 | 163 | 064 | 315 | 508 | 407 | 297 | 815 | 720 | 315 | 1109 | 543 | 157 | 091 | 660 |

| WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN |
|-----|------|--------|-------|-------|--------|-----|------|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|
| 315 | 1110 | 543 | 144 | 012 | -1.082 | 315 | 1307 | 579 | 156 | 167 | -1.160 | 330 | 125 | 801 | 289 | 196 | -2.042 |
| 315 | 1111 | 559 | 156 | 038 | -1.165 | 315 | 1309 | 623 | 162 | 127 | -1.144 | 330 | 126 | 669 | 258 | 131 | -1.874 |
| 315 | 1116 | 618 | 139 | 141 | -1.124 | 315 | 1311 | 567 | 141 | 076 | -1.110 | 330 | 130 | 827 | 284 | 061 | -2.530 |
| 315 | 1121 | 593 | 151 | 139 | -1.217 | 315 | 1313 | 638 | 172 | 157 | -1.419 | 330 | 131 | 835 | 253 | 117 | -1.559 |
| 315 | 1126 | 596 | 154 | 076 | -1.124 | 315 | 1911 | 399 | 143 | 053 | -1.914 | 330 | 133 | 750 | 257 | 002 | -1.997 |
| 315 | 1136 | 598 | 140 | 072 | -1.076 | 315 | 1913 | 519 | 151 | 036 | -1.981 | 330 | 136 | 594 | 232 | 119 | -1.725 |
| 315 | 1221 | 371 | 175 | 412 | -1.942 | 315 | 1914 | 520 | 140 | 037 | -1.035 | 330 | 201 | 521 | 127 | 086 | -1.007 |
| 315 | 1222 | 295 | 170 | 212 | -1.836 | 315 | 1915 | 569 | 140 | 099 | -1.076 | 330 | 202 | 549 | 124 | 097 | -1.012 |
| 315 | 1223 | 110 | 137 | 377 | -1.590 | 315 | 1916 | 534 | 132 | 062 | -1.918 | 330 | 203 | 578 | 140 | 113 | -1.088 |
| 315 | 1224 | 247 | 142 | 177 | -1.724 | 315 | 1917 | 519 | 143 | 004 | -1.011 | 330 | 204 | 587 | 156 | 068 | -1.190 |
| 315 | 1225 | 332 | 129 | 130 | -1.843 | 315 | 1918 | 546 | 142 | 127 | -1.130 | 330 | 205 | 576 | 159 | 018 | -1.088 |
| 315 | 1226 | 371 | 119 | 040 | -1.737 | 315 | 1921 | 516 | 141 | 101 | -1.933 | 330 | 206 | 576 | 156 | 097 | -1.163 |
| 315 | 1227 | 324 | 124 | 042 | -1.730 | 315 | 1923 | 559 | 145 | 101 | -1.130 | 330 | 207 | 581 | 155 | 084 | -1.255 |
| 315 | 1230 | 559 | 176 | 641 | -1.493 | 315 | 1924 | 601 | 150 | 163 | -1.203 | 330 | 208 | 554 | 147 | 058 | -1.235 |
| 315 | 1231 | 352 | 153 | 941 | -1.209 | 315 | 1925 | 600 | 142 | 183 | -1.096 | 330 | 209 | 564 | 158 | 050 | -1.129 |
| 315 | 1232 | 327 | 142 | 327 | -1.422 | 315 | 1926 | 565 | 151 | 101 | -1.055 | 330 | 210 | 533 | 125 | 045 | -1.957 |
| 315 | 1233 | 203 | 124 | 282 | -1.711 | 315 | 1927 | 554 | 139 | 052 | -1.005 | 330 | 211 | 548 | 123 | 095 | -1.994 |
| 315 | 1234 | 281 | 126 | 186 | -1.746 | 315 | 1928 | 532 | 140 | 026 | -1.015 | 330 | 212 | 547 | 126 | 070 | -1.917 |
| 315 | 1235 | 283 | 132 | 163 | -1.726 | 315 | 1930 | 553 | 153 | 024 | -1.047 | 330 | 213 | 536 | 129 | 138 | -1.057 |
| 315 | 1236 | 384 | 142 | 157 | -1.807 | 315 | 1932 | 566 | 153 | 119 | -1.001 | 330 | 214 | 510 | 130 | 027 | -1.052 |
| 315 | 1239 | 332 | 161 | 893 | -1.240 | 315 | 1933 | 613 | 153 | 097 | -1.126 | 330 | 215 | 542 | 122 | 145 | -1.140 |
| 315 | 1240 | 402 | 162 | 053 | -1.101 | 315 | 1934 | 614 | 148 | 002 | -1.169 | 330 | 216 | 529 | 133 | 111 | -1.045 |
| 315 | 1241 | 130 | 142 | 696 | -1.308 | 315 | 1935 | 581 | 140 | 151 | -1.005 | 330 | 217 | 544 | 156 | 063 | -1.727 |
| 315 | 1242 | 080 | 131 | 348 | -1.499 | 315 | 1936 | 561 | 147 | 050 | -1.066 | 330 | 218 | 545 | 145 | 077 | -1.127 |
| 315 | 1243 | 227 | 128 | 271 | -1.684 | 315 | 1937 | 580 | 175 | 089 | -1.156 | 330 | 319 | 551 | 140 | 050 | -1.023 |
| 315 | 1244 | 222 | 130 | 326 | -1.629 | 315 | 1939 | 534 | 171 | 010 | -1.060 | 330 | 220 | 530 | 128 | 104 | -1.994 |
| 315 | 1245 | 269 | 138 | 307 | -1.680 | 315 | 1941 | 588 | 160 | 010 | -1.092 | 330 | 221 | 525 | 125 | 109 | -1.954 |
| 315 | 1248 | 322 | 181 | 049 | -1.246 | 315 | 1942 | 605 | 152 | 135 | -1.031 | 330 | 222 | 554 | 122 | 143 | -1.038 |
| 315 | 1249 | 307 | 157 | 833 | -1.189 | 315 | 1943 | 566 | 150 | 076 | -1.088 | 330 | 223 | 517 | 124 | 034 | -1.867 |
| 315 | 1250 | 084 | 144 | 655 | -1.385 | 315 | 1944 | 541 | 144 | 101 | -1.122 | 330 | 224 | 522 | 131 | 067 | -1.989 |
| 315 | 1251 | 073 | 122 | 333 | -1.570 | 315 | 1945 | 510 | 151 | 000 | -1.110 | 330 | 225 | 531 | 140 | 024 | -1.980 |
| 315 | 1252 | 203 | 121 | 199 | -1.649 | 315 | 1946 | 535 | 140 | 027 | -1.975 | 330 | 226 | 525 | 132 | 107 | -1.987 |
| 315 | 1253 | 216 | 138 | 256 | -1.642 | 330 | 101 | 060 | 367 | 391 | -3.007 | 330 | 227 | 547 | 132 | 056 | -1.758 |
| 315 | 1254 | 246 | 121 | 229 | -1.686 | 330 | 102 | 425 | 389 | 420 | -1.140 | 330 | 228 | 557 | 145 | 081 | -1.037 |
| 315 | 1257 | 302 | 171 | 060 | -1.200 | 330 | 103 | 197 | 143 | 289 | -1.942 | 330 | 229 | 511 | 123 | 099 | -1.912 |
| 315 | 1258 | 240 | 145 | 976 | -1.197 | 330 | 104 | 210 | 145 | 279 | -1.747 | 330 | 230 | 516 | 123 | 067 | -1.958 |
| 315 | 1259 | 060 | 146 | 672 | -1.435 | 330 | 105 | 237 | 131 | 184 | -1.757 | 330 | 231 | 526 | 128 | 123 | -1.963 |
| 315 | 1260 | 082 | 137 | 443 | -1.535 | 330 | 106 | 631 | 277 | 520 | -1.724 | 330 | 232 | 540 | 123 | 063 | -1.945 |
| 315 | 1261 | 178 | 133 | 249 | -1.609 | 330 | 107 | 671 | 408 | 521 | -2.816 | 330 | 233 | 560 | 120 | 183 | -1.980 |
| 315 | 1262 | 204 | 123 | 203 | -1.653 | 330 | 108 | 062 | 182 | 586 | -1.134 | 330 | 234 | 557 | 124 | 179 | -1.960 |
| 315 | 1263 | 209 | 125 | 230 | -1.618 | 330 | 109 | 038 | 145 | 448 | -1.446 | 330 | 235 | 552 | 126 | 110 | -1.005 |
| 315 | 1266 | 344 | 173 | 873 | -1.237 | 330 | 110 | 034 | 149 | 488 | -1.564 | 330 | 236 | 538 | 129 | 090 | -1.005 |
| 315 | 1267 | 187 | 155 | 776 | -1.277 | 330 | 111 | 440 | 390 | 370 | -2.077 | 330 | 237 | 538 | 129 | 092 | -1.908 |
| 315 | 1268 | 068 | 138 | 485 | -1.506 | 330 | 112 | 237 | 228 | 310 | -1.262 | 330 | 238 | 526 | 119 | 124 | -1.027 |
| 315 | 1269 | 090 | 125 | 324 | -1.528 | 330 | 113 | 214 | 159 | 322 | -1.938 | 330 | 239 | 536 | 121 | 156 | -1.978 |
| 315 | 1270 | 141 | 119 | 212 | -1.587 | 330 | 114 | 213 | 160 | 391 | -1.050 | 330 | 240 | 533 | 124 | 163 | -1.989 |
| 315 | 1271 | 068 | 147 | 575 | -1.488 | 330 | 115 | 088 | 340 | 180 | -2.459 | 330 | 241 | 537 | 124 | 138 | -1.938 |
| 315 | 1272 | 344 | 136 | 115 | -1.810 | 330 | 116 | 609 | 288 | 192 | -1.837 | 330 | 242 | 546 | 131 | 103 | -1.020 |
| 315 | 1303 | 338 | 142 | 087 | -1.023 | 330 | 120 | 901 | 251 | 154 | -1.791 | 330 | 243 | 532 | 127 | 098 | -1.998 |
| 315 | 1305 | 591 | 145 | 125 | -1.165 | 330 | 121 | 688 | 311 | 076 | -2.028 | 330 | 244 | 554 | 126 | 127 | -1.003 |

| MD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | MD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | MD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN |
|-----|-----|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|-----|------|--------|-------|-------|--------|
| 330 | 245 | 584 | 156 | 034 | -1.183 | 330 | 503 | 431 | 315 | 599 | -2.445 | 330 | 944 | 458 | 219 | 316 | -1.305 |
| 330 | 246 | 624 | 139 | 221 | -1.163 | 330 | 504 | 745 | 683 | 774 | -4.031 | 330 | 945 | 439 | 181 | 161 | -1.270 |
| 330 | 247 | 494 | 131 | 045 | -1.994 | 330 | 505 | 356 | 192 | 294 | -1.075 | 330 | 946 | 349 | 195 | 409 | -1.035 |
| 330 | 248 | 495 | 130 | 056 | -1.934 | 330 | 506 | 418 | 279 | 534 | -1.468 | 330 | 1107 | 492 | 155 | 006 | -1.074 |
| 330 | 249 | 503 | 129 | 038 | -1.933 | 330 | 507 | 565 | 282 | 670 | -2.189 | 330 | 1109 | 504 | 139 | 078 | -1.988 |
| 330 | 250 | 544 | 119 | 127 | -1.020 | 330 | 508 | 707 | 295 | 444 | -3.502 | 330 | 1109 | 521 | 154 | 090 | -1.119 |
| 330 | 251 | 537 | 120 | 112 | -1.010 | 330 | 509 | 740 | 274 | 173 | -3.392 | 330 | 1110 | 560 | 160 | 011 | -1.107 |
| 330 | 252 | 528 | 131 | 056 | -1.965 | 330 | 901 | 917 | 380 | 747 | -3.320 | 330 | 1111 | 525 | 146 | 107 | -1.015 |
| 330 | 253 | 533 | 136 | 134 | -1.125 | 330 | 902 | 433 | 220 | 702 | -2.213 | 330 | 1116 | 534 | 164 | 033 | -1.154 |
| 330 | 254 | 528 | 164 | 056 | -1.407 | 330 | 903 | 381 | 233 | 702 | -2.258 | 330 | 1121 | 571 | 159 | 103 | -1.109 |
| 330 | 255 | 751 | 111 | 111 | -1.820 | 330 | 904 | 069 | 189 | 436 | -1.735 | 330 | 1126 | 554 | 146 | 082 | -1.186 |
| 330 | 256 | 486 | 134 | 005 | -1.953 | 330 | 905 | 938 | 169 | 338 | -1.578 | 330 | 1136 | 568 | 146 | 082 | -1.186 |
| 330 | 257 | 475 | 136 | 054 | -1.907 | 330 | 906 | 791 | 192 | 142 | -2.241 | 330 | 1220 | 326 | 205 | 354 | -1.108 |
| 330 | 258 | 515 | 129 | 027 | -1.938 | 330 | 907 | 702 | 164 | 167 | -1.386 | 330 | 1222 | 273 | 205 | 354 | -1.108 |
| 330 | 259 | 515 | 136 | 098 | -1.925 | 330 | 908 | 665 | 195 | 006 | -1.730 | 330 | 1223 | 436 | 160 | 228 | -1.860 |
| 330 | 260 | 513 | 120 | 078 | -1.920 | 330 | 909 | 419 | 196 | 179 | -1.264 | 330 | 1224 | 389 | 195 | 094 | -1.926 |
| 330 | 261 | 524 | 135 | 119 | -1.886 | 330 | 910 | 046 | 493 | 684 | -4.031 | 330 | 1225 | 457 | 145 | 001 | -1.889 |
| 330 | 262 | 519 | 115 | 071 | -1.880 | 330 | 911 | 633 | 266 | 517 | -2.509 | 330 | 1226 | 442 | 128 | 029 | -1.844 |
| 330 | 263 | 534 | 143 | 014 | -1.259 | 330 | 912 | 461 | 230 | 782 | -2.412 | 330 | 1227 | 420 | 132 | 083 | -1.848 |
| 330 | 264 | 554 | 172 | 041 | -1.196 | 330 | 913 | 139 | 166 | 416 | -1.768 | 330 | 1230 | 126 | 249 | 919 | -1.842 |
| 330 | 265 | 495 | 131 | 012 | -1.964 | 330 | 914 | 066 | 186 | 432 | -1.612 | 330 | 1231 | 279 | 180 | 914 | -1.317 |
| 330 | 266 | 519 | 124 | 114 | -1.991 | 330 | 915 | 991 | 172 | 357 | -1.904 | 330 | 1232 | 687 | 169 | 383 | -1.727 |
| 330 | 267 | 525 | 133 | 042 | -1.949 | 330 | 916 | 802 | 183 | 231 | -2.026 | 330 | 1233 | 427 | 153 | 063 | -1.192 |
| 330 | 268 | 522 | 125 | 036 | -1.936 | 330 | 917 | 751 | 187 | 260 | -1.788 | 330 | 1234 | 450 | 134 | 004 | -1.891 |
| 330 | 269 | 532 | 134 | 031 | -1.945 | 330 | 918 | 807 | 255 | 080 | -2.035 | 330 | 1235 | 430 | 155 | 026 | -1.912 |
| 330 | 270 | 520 | 128 | 109 | -1.192 | 330 | 919 | 538 | 173 | 043 | -1.171 | 330 | 1236 | 407 | 140 | 062 | -1.855 |
| 330 | 271 | 523 | 132 | 025 | -1.262 | 330 | 920 | 328 | 314 | 275 | -2.254 | 330 | 1239 | 326 | 206 | 344 | -1.553 |
| 330 | 272 | 546 | 148 | 087 | -1.146 | 330 | 921 | 463 | 198 | 621 | -2.219 | 330 | 1240 | 223 | 219 | 827 | -1.600 |
| 330 | 273 | 527 | 136 | 151 | -1.969 | 330 | 922 | 655 | 189 | 095 | -1.470 | 330 | 1241 | 087 | 183 | 537 | -1.674 |
| 330 | 301 | 465 | 126 | 045 | -1.853 | 330 | 923 | 071 | 199 | 497 | -1.859 | 330 | 1242 | 308 | 168 | 239 | -1.842 |
| 330 | 302 | 461 | 144 | 016 | -1.914 | 330 | 924 | 998 | 207 | 117 | -1.748 | 330 | 1243 | 375 | 146 | 099 | -1.839 |
| 330 | 303 | 494 | 137 | 030 | -1.937 | 330 | 925 | 977 | 216 | 022 | -1.993 | 330 | 1244 | 376 | 140 | 083 | -1.862 |
| 330 | 304 | 478 | 122 | 004 | -1.924 | 330 | 926 | 808 | 205 | 178 | -1.687 | 330 | 1245 | 302 | 153 | 304 | -1.736 |
| 330 | 305 | 444 | 141 | 009 | -1.927 | 330 | 927 | 777 | 225 | 169 | -1.715 | 330 | 1248 | 220 | 236 | 901 | -1.758 |
| 330 | 306 | 453 | 123 | 004 | -1.846 | 330 | 928 | 737 | 297 | 263 | -2.724 | 330 | 1249 | 070 | 216 | 619 | -1.686 |
| 330 | 307 | 436 | 141 | 192 | -1.901 | 330 | 929 | 105 | 239 | 201 | -2.074 | 330 | 1250 | 157 | 164 | 499 | -1.704 |
| 330 | 308 | 410 | 129 | 070 | -1.824 | 330 | 930 | 020 | 411 | 084 | -2.162 | 330 | 1251 | 302 | 146 | 105 | -1.778 |
| 330 | 309 | 392 | 151 | 068 | -1.941 | 330 | 931 | 436 | 165 | 102 | -1.437 | 330 | 1252 | 346 | 140 | 062 | -1.846 |
| 330 | 310 | 336 | 145 | 203 | -1.829 | 330 | 932 | 637 | 186 | 076 | -1.445 | 330 | 1253 | 344 | 133 | 089 | -1.864 |
| 330 | 311 | 374 | 158 | 234 | -1.086 | 330 | 933 | 563 | 204 | 188 | -1.311 | 330 | 1254 | 361 | 137 | 141 | -1.928 |
| 330 | 312 | 310 | 149 | 190 | -1.142 | 330 | 934 | 668 | 222 | 039 | -1.555 | 330 | 1257 | 156 | 225 | 319 | -1.912 |
| 330 | 313 | 381 | 151 | 177 | -1.988 | 330 | 935 | 667 | 207 | 133 | -1.311 | 330 | 1258 | 034 | 217 | 720 | -1.659 |
| 330 | 314 | 337 | 149 | 201 | -1.914 | 330 | 936 | 602 | 219 | 224 | -1.230 | 330 | 1259 | 162 | 187 | 349 | -1.788 |
| 330 | 401 | 315 | 195 | 735 | -2.032 | 330 | 937 | 462 | 282 | 506 | -1.735 | 330 | 1260 | 285 | 152 | 185 | -1.826 |
| 330 | 402 | 170 | 188 | 549 | -1.797 | 330 | 938 | 976 | 194 | 370 | -1.679 | 330 | 1261 | 349 | 148 | 071 | -1.907 |
| 330 | 403 | 036 | 208 | 283 | -1.802 | 330 | 939 | 187 | 295 | 249 | -1.695 | 330 | 1262 | 354 | 124 | 083 | -1.760 |
| 330 | 404 | 693 | 199 | 031 | -2.103 | 330 | 940 | 510 | 244 | 046 | -2.097 | 330 | 1263 | 309 | 130 | 175 | -1.817 |
| 330 | 405 | 532 | 168 | 073 | -1.403 | 330 | 941 | 636 | 155 | 164 | -1.321 | 330 | 1264 | 248 | 217 | 028 | -1.453 |
| 330 | 501 | 410 | 251 | 605 | -1.692 | 330 | 942 | 408 | 146 | 056 | -1.068 | 330 | 1267 | 330 | 202 | 610 | -1.806 |
| 330 | 502 | 424 | 283 | 577 | -1.730 | 330 | 943 | 497 | 181 | 188 | -1.157 | 330 | 1268 | 148 | 172 | 429 | -1.753 |

| MD | TAP | CPNEAN | CPRMS | CPMAX | CPMIN | MD | TAP | CPNEAN | CPRMS | CPMAX | CPMIN | MD | TAP | CPNEAN | CPRMS | CPMAX | CPMIN |
|-----|------|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|
| 330 | 1269 | .288 | .138 | .193 | -.049 | 345 | 113 | -.632 | .217 | -.198 | -1.296 | 345 | 239 | -.388 | .152 | .942 | -1.176 |
| 330 | 1270 | -.320 | .136 | .141 | -.772 | 345 | 114 | -.541 | .202 | -.097 | -1.267 | 345 | 240 | -.403 | .149 | .967 | -1.273 |
| 330 | 1271 | -.036 | .173 | .564 | -.668 | 345 | 115 | -.720 | .153 | -.233 | -1.563 | 345 | 241 | -.389 | .138 | .002 | -.938 |
| 330 | 1272 | -.468 | .130 | .017 | -.962 | 345 | 116 | -.710 | .170 | -.214 | -1.460 | 345 | 242 | -.423 | .142 | .036 | -1.174 |
| 330 | 1303 | -.529 | .137 | .123 | -1.053 | 345 | 120 | -.685 | .160 | -.174 | -1.336 | 345 | 243 | -.403 | .124 | .010 | -.884 |
| 330 | 1305 | -.519 | .142 | .072 | -1.055 | 345 | 121 | -.703 | .178 | -.126 | -1.531 | 345 | 244 | -.394 | .125 | .010 | -.890 |
| 330 | 1307 | -.930 | .138 | .002 | -1.031 | 345 | 125 | -.636 | .172 | -.117 | -1.871 | 345 | 245 | -.417 | .122 | .010 | -.846 |
| 330 | 1309 | -.571 | .158 | .070 | -1.130 | 345 | 126 | -.712 | .177 | -.143 | -1.884 | 345 | 246 | -.456 | .139 | .048 | -.961 |
| 330 | 1311 | -.479 | .145 | .002 | -.957 | 345 | 130 | -.704 | .187 | -.218 | -1.877 | 345 | 247 | -.373 | .162 | .141 | -1.052 |
| 330 | 1313 | -.557 | .152 | .080 | -1.041 | 345 | 131 | -.717 | .176 | -.143 | -1.596 | 345 | 248 | -.408 | .167 | .203 | -.941 |
| 330 | 1911 | -.373 | .162 | .116 | -.896 | 345 | 135 | -.700 | .181 | -.178 | -1.455 | 345 | 249 | -.417 | .161 | .126 | -.949 |
| 330 | 1913 | -.492 | .152 | .094 | -1.035 | 345 | 136 | -.695 | .191 | -.090 | -2.443 | 345 | 250 | -.415 | .145 | .043 | -.906 |
| 330 | 1914 | -.472 | .137 | .074 | -.920 | 345 | 201 | -.390 | .150 | .039 | -.885 | 345 | 251 | -.414 | .145 | .069 | -.934 |
| 330 | 1915 | -.557 | .136 | .109 | -1.039 | 345 | 202 | -.412 | .154 | .217 | -.938 | 345 | 252 | -.389 | .141 | .087 | -.828 |
| 330 | 1916 | -.510 | .136 | .014 | -.923 | 345 | 203 | -.443 | .150 | .077 | -.908 | 345 | 253 | -.404 | .132 | .183 | -.851 |
| 330 | 1917 | -.544 | .137 | .121 | -1.062 | 345 | 204 | -.619 | .192 | -.078 | -1.462 | 345 | 254 | -.382 | .139 | .133 | -.950 |
| 330 | 1918 | -.522 | .129 | .111 | -.941 | 345 | 205 | -.530 | .175 | .062 | -1.122 | 345 | 255 | -.403 | .157 | .301 | -1.504 |
| 330 | 1921 | -.531 | .140 | .100 | -.936 | 345 | 206 | -.526 | .179 | .001 | -1.766 | 345 | 256 | -.371 | .164 | .272 | -.932 |
| 330 | 1923 | -.544 | .149 | .064 | -1.137 | 345 | 207 | -.630 | .226 | .076 | -1.834 | 345 | 257 | -.366 | .167 | .128 | -.956 |
| 330 | 1924 | -.544 | .150 | .113 | -1.066 | 345 | 208 | -.504 | .159 | .024 | -1.138 | 345 | 258 | -.413 | .161 | .038 | -.910 |
| 330 | 1925 | -.550 | .144 | .064 | -1.019 | 345 | 209 | -.496 | .175 | .188 | -1.666 | 345 | 259 | -.427 | .158 | .113 | -.983 |
| 330 | 1926 | -.534 | .145 | .008 | -.968 | 345 | 210 | -.375 | .134 | .021 | -.879 | 345 | 260 | -.381 | .154 | .159 | -.974 |
| 330 | 1927 | -.534 | .126 | .090 | -.972 | 345 | 211 | -.356 | .117 | .001 | -.801 | 345 | 261 | -.348 | .153 | .106 | -.908 |
| 330 | 1928 | -.534 | .136 | .088 | -1.055 | 345 | 212 | -.396 | .130 | .016 | -.799 | 345 | 262 | -.338 | .142 | .166 | -.873 |
| 330 | 1930 | -.534 | .137 | .022 | -1.058 | 345 | 213 | -.389 | .128 | .007 | -.806 | 345 | 263 | -.345 | .141 | .284 | -.756 |
| 330 | 1932 | -.534 | .137 | .158 | -1.098 | 345 | 214 | -.383 | .135 | .066 | -1.016 | 345 | 264 | -.348 | .154 | .205 | -.901 |
| 330 | 1933 | -.534 | .135 | .103 | -1.098 | 345 | 215 | -.393 | .141 | .041 | -1.697 | 345 | 265 | -.370 | .160 | .259 | -.847 |
| 330 | 1934 | -.534 | .127 | .133 | -.968 | 345 | 216 | -.404 | .140 | .075 | -1.236 | 345 | 266 | -.379 | .164 | .159 | -.916 |
| 330 | 1935 | -.534 | .145 | .063 | -1.041 | 345 | 217 | -.397 | .136 | .075 | -1.063 | 345 | 267 | -.392 | .164 | .108 | -.914 |
| 330 | 1936 | -.534 | .133 | .047 | -1.004 | 345 | 218 | -.469 | .146 | .009 | -.932 | 345 | 268 | -.418 | .150 | .053 | -1.106 |
| 330 | 1937 | -.534 | .142 | .117 | -1.092 | 345 | 219 | -.487 | .151 | .010 | -1.058 | 345 | 269 | -.414 | .155 | .071 | -1.005 |
| 330 | 1939 | -.534 | .155 | .103 | -1.170 | 345 | 220 | -.366 | .135 | .139 | -.919 | 345 | 270 | -.380 | .142 | .038 | -.901 |
| 330 | 1941 | -.534 | .156 | .621 | -.982 | 345 | 221 | -.403 | .143 | .076 | -.837 | 345 | 271 | -.347 | .140 | .117 | -.796 |
| 330 | 1942 | -.534 | .170 | .077 | -1.256 | 345 | 222 | -.436 | .149 | .174 | -.972 | 345 | 272 | -.363 | .133 | .073 | -.877 |
| 330 | 1943 | -.534 | .150 | .141 | -1.082 | 345 | 223 | -.445 | .148 | .106 | -1.011 | 345 | 273 | -.364 | .139 | .155 | -.969 |
| 330 | 1944 | -.534 | .155 | .084 | -.996 | 345 | 224 | -.433 | .142 | .071 | -.950 | 345 | 301 | -.560 | .148 | .043 | -1.242 |
| 330 | 1945 | -.534 | .138 | .111 | -.951 | 345 | 225 | -.435 | .145 | .060 | -.890 | 345 | 302 | -.564 | .141 | .030 | -1.038 |
| 330 | 1946 | -.534 | .144 | .131 | -1.023 | 345 | 226 | -.463 | .133 | .023 | -.969 | 345 | 303 | -.589 | .138 | .149 | -1.084 |
| 330 | 101 | -.466 | .211 | -.2 | -2.632 | 345 | 227 | -.533 | .152 | .043 | -1.148 | 345 | 304 | -.545 | .142 | .107 | -1.080 |
| 330 | 102 | -.466 | .237 | -.2 | -2.469 | 345 | 228 | -.519 | .127 | .096 | -.969 | 345 | 305 | -.545 | .146 | .042 | -1.130 |
| 330 | 103 | -.466 | .315 | -.2 | -2.805 | 345 | 229 | -.449 | .151 | .097 | -1.114 | 345 | 306 | -.562 | .136 | .158 | -1.005 |
| 330 | 104 | -.466 | .200 | -.2 | -3.330 | 345 | 230 | -.419 | .142 | .018 | -.894 | 345 | 307 | -.548 | .155 | .067 | -1.124 |
| 330 | 105 | -.466 | .163 | -.2 | -3.091 | 345 | 231 | -.459 | .151 | .073 | -1.070 | 345 | 308 | -.539 | .140 | .032 | -.972 |
| 330 | 106 | -.466 | .161 | -.2 | -4.665 | 345 | 232 | -.421 | .130 | .034 | -.917 | 345 | 309 | -.540 | .137 | .067 | -1.035 |
| 330 | 107 | -.466 | .180 | -.2 | -.931 | 345 | 233 | -.424 | .118 | .059 | -.850 | 345 | 310 | -.540 | .144 | .010 | -1.102 |
| 330 | 108 | -.466 | .287 | -.2 | -1.647 | 345 | 234 | -.434 | .127 | .036 | -.960 | 345 | 311 | -.554 | .141 | .109 | -1.077 |
| 330 | 109 | -.466 | .281 | -.2 | -1.626 | 345 | 235 | -.437 | .125 | .003 | -.864 | 345 | 312 | -.539 | .142 | .012 | -.970 |
| 330 | 110 | -.466 | .203 | -.2 | -0.669 | 345 | 236 | -.467 | .126 | .053 | -.939 | 345 | 313 | -.537 | .155 | .067 | -1.035 |
| 330 | 111 | -.466 | .206 | -.2 | -1.769 | 345 | 237 | -.545 | .143 | .028 | -1.010 | 345 | 314 | -.553 | .141 | .078 | -.996 |
| 330 | 112 | -.466 | .268 | -.2 | -1.768 | 345 | 238 | -.401 | .148 | .181 | -1.360 | 345 | 401 | -.517 | .197 | -.2 | -.216 |

| WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN |
|-----|-----|--------|-------|-------|--------|-----|------|--------|-------|-------|--------|-----|------|--------|-------|-------|--------|
| 443 | 402 | 023 | .211 | -.328 | -1.936 | 345 | 9336 | 816 | .238 | 036 | -1.676 | 345 | 1257 | 504 | .203 | -.151 | -1.231 |
| 443 | 403 | 063 | .191 | -.313 | -1.831 | 345 | 9337 | 751 | .273 | 438 | -2.397 | 345 | 1258 | 509 | .167 | -.153 | -1.082 |
| 443 | 404 | 930 | .228 | -.305 | -1.930 | 345 | 9338 | 694 | .231 | 056 | -2.243 | 345 | 1259 | 591 | .158 | -.017 | -1.137 |
| 443 | 405 | 768 | .205 | -.170 | -1.637 | 345 | 9339 | 557 | .259 | 006 | -1.628 | 345 | 1260 | 585 | .146 | -.015 | -.982 |
| 443 | 501 | 598 | .243 | -.266 | -2.812 | 345 | 9440 | 532 | .142 | 056 | -1.248 | 345 | 1261 | 583 | .139 | -.081 | -1.037 |
| 443 | 502 | 861 | .260 | -.551 | -1.873 | 345 | 9441 | 736 | .190 | 195 | -1.762 | 345 | 1262 | 571 | .144 | -.085 | -1.062 |
| 443 | 503 | 722 | .319 | -.090 | -3.118 | 345 | 9442 | 654 | .191 | 023 | -1.304 | 345 | 1263 | 573 | .143 | -.073 | -1.024 |
| 443 | 504 | 495 | .507 | -.621 | -3.891 | 345 | 9443 | 617 | .210 | 095 | -1.304 | 345 | 1266 | 481 | .217 | -.253 | -1.137 |
| 443 | 505 | 542 | .228 | -.234 | -1.383 | 345 | 9444 | 671 | .219 | 070 | -1.392 | 345 | 1267 | 552 | .175 | -.072 | -1.191 |
| 443 | 506 | 681 | .255 | -.318 | -1.750 | 345 | 9445 | 664 | .215 | 046 | -1.737 | 345 | 1268 | 552 | .152 | -.085 | -1.033 |
| 443 | 507 | 783 | .228 | -.117 | -2.461 | 345 | 9446 | 559 | .227 | 158 | -1.676 | 345 | 1269 | 561 | .147 | -.023 | -1.147 |
| 443 | 508 | 854 | .195 | -.163 | -2.146 | 345 | 1107 | 597 | .138 | 183 | -1.981 | 345 | 1270 | 563 | .148 | -.039 | -1.151 |
| 443 | 509 | 907 | .207 | -.041 | -2.021 | 345 | 1108 | 577 | .137 | 183 | -1.102 | 345 | 1271 | 563 | .153 | -.077 | -1.038 |
| 443 | 901 | 473 | .170 | -.677 | -2.530 | 345 | 1109 | 594 | .138 | 156 | -1.071 | 345 | 1272 | 579 | .147 | -.112 | -1.064 |
| 443 | 902 | 241 | .173 | -.723 | -1.920 | 345 | 1110 | 601 | .152 | 162 | -1.103 | 345 | 1303 | 583 | .138 | -.168 | -1.092 |
| 443 | 903 | 289 | .260 | -.537 | -2.442 | 345 | 1111 | 607 | .148 | 171 | -1.172 | 345 | 1305 | 554 | .140 | -.041 | -1.168 |
| 443 | 904 | 064 | .182 | -.527 | -1.586 | 345 | 1116 | 620 | .134 | 228 | -1.107 | 345 | 1307 | 547 | .147 | -.069 | -1.043 |
| 443 | 905 | 965 | .166 | -.455 | -1.535 | 345 | 1121 | 602 | .152 | 122 | -1.018 | 345 | 1309 | 552 | .132 | -.052 | -.979 |
| 443 | 906 | 892 | .163 | -.100 | -1.565 | 345 | 1126 | 613 | .142 | 145 | -1.164 | 345 | 1311 | 497 | .134 | -.069 | -1.069 |
| 443 | 907 | 886 | .167 | -.343 | -1.404 | 345 | 1133 | 581 | .146 | 135 | -1.258 | 345 | 1313 | 564 | .149 | -.065 | -1.609 |
| 443 | 908 | 796 | .195 | -.144 | -1.617 | 345 | 1221 | 589 | .186 | 032 | -1.207 | 345 | 1911 | 503 | .137 | -.040 | -1.047 |
| 443 | 909 | 514 | .211 | -.018 | -1.700 | 345 | 1222 | 628 | .181 | 003 | -1.233 | 345 | 1913 | 502 | .143 | -.128 | -1.090 |
| 443 | 910 | 444 | .236 | -.510 | -2.511 | 345 | 1223 | 633 | .147 | 152 | -1.151 | 345 | 1914 | 586 | .135 | -.177 | -1.096 |
| 443 | 911 | 389 | .231 | -.615 | -2.311 | 345 | 1224 | 603 | .144 | 152 | -1.137 | 345 | 1915 | 624 | .147 | -.207 | -1.124 |
| 443 | 912 | 303 | .196 | -.664 | -2.253 | 345 | 1225 | 601 | .143 | 067 | -1.093 | 345 | 1916 | 666 | .141 | -.062 | -1.060 |
| 443 | 913 | 995 | .193 | -.510 | -1.765 | 345 | 1233 | 627 | .134 | 132 | -1.048 | 345 | 1917 | 569 | .135 | -.152 | -1.090 |
| 443 | 914 | 115 | .172 | -.542 | -1.777 | 345 | 1232 | 629 | .148 | 107 | -1.093 | 345 | 1918 | 585 | .133 | -.082 | -1.039 |
| 443 | 915 | 010 | .169 | -.372 | -1.512 | 345 | 1233 | 570 | .233 | 244 | -1.418 | 345 | 1921 | 612 | .149 | -.160 | -1.086 |
| 443 | 916 | 891 | .172 | -.315 | -1.431 | 345 | 1233 | 412 | .212 | 369 | -1.037 | 345 | 1923 | 607 | .152 | -.067 | -1.088 |
| 443 | 917 | 881 | .190 | -.319 | -2.229 | 345 | 1233 | 521 | .146 | 027 | -1.000 | 345 | 1924 | 590 | .125 | -.185 | -1.015 |
| 443 | 918 | 967 | .256 | -.159 | -2.590 | 345 | 1233 | 572 | .127 | 186 | -1.979 | 345 | 1925 | 620 | .127 | -.221 | -.981 |
| 443 | 919 | 675 | .175 | -.656 | -1.456 | 345 | 1233 | 570 | .118 | 219 | -1.955 | 345 | 1926 | 628 | .139 | -.166 | -1.117 |
| 443 | 920 | 069 | .286 | -.130 | -2.300 | 345 | 1233 | 558 | .132 | 094 | -1.057 | 345 | 1927 | 567 | .116 | -.147 | -.986 |
| 443 | 921 | 779 | .261 | -.038 | -2.657 | 345 | 1233 | 561 | .121 | 094 | -1.015 | 345 | 1928 | 567 | .143 | -.064 | -1.083 |
| 443 | 922 | 032 | .196 | -.288 | -1.880 | 345 | 1233 | 512 | .198 | 404 | -1.182 | 345 | 1930 | 595 | .148 | -.071 | -1.041 |
| 443 | 923 | 064 | .187 | -.414 | -1.722 | 345 | 1240 | 453 | .197 | 293 | -1.035 | 345 | 1932 | 600 | .148 | -.038 | -1.051 |
| 443 | 924 | 050 | .152 | -.506 | -1.601 | 345 | 1241 | 555 | .155 | 005 | -1.968 | 345 | 1933 | 615 | .142 | -.071 | -1.071 |
| 443 | 925 | 059 | .181 | -.544 | -1.739 | 345 | 1242 | 551 | .126 | 010 | -1.928 | 345 | 1934 | 605 | .137 | -.075 | -1.124 |
| 443 | 926 | 012 | .187 | -.409 | -1.928 | 345 | 1243 | 556 | .129 | 141 | -1.822 | 345 | 1935 | 611 | .146 | -.202 | -1.109 |
| 443 | 927 | 929 | .209 | -.361 | -1.874 | 345 | 1244 | 528 | .153 | 130 | -1.969 | 345 | 1936 | 591 | .134 | -.120 | -1.066 |
| 443 | 928 | 855 | .244 | -.069 | -2.636 | 345 | 1245 | 559 | .122 | 101 | -1.960 | 345 | 1937 | 624 | .147 | -.073 | -1.117 |
| 443 | 929 | 696 | .246 | -.111 | -1.808 | 345 | 1245 | 569 | .195 | 186 | -1.191 | 345 | 1939 | 606 | .145 | -.109 | -1.071 |
| 443 | 930 | 545 | .251 | -.120 | -1.636 | 345 | 1249 | 519 | .164 | 117 | -1.037 | 345 | 1941 | 614 | .146 | -.109 | -1.107 |
| 443 | 931 | 663 | .187 | -.077 | -1.360 | 345 | 1253 | 576 | .141 | 105 | -1.064 | 345 | 1942 | 614 | .132 | -.096 | -1.111 |
| 443 | 932 | 855 | .224 | -.206 | -1.657 | 345 | 1255 | 560 | .152 | 059 | -1.082 | 345 | 1943 | 593 | .141 | -.147 | -1.143 |
| 443 | 933 | 856 | .203 | -.128 | -1.794 | 345 | 1255 | 612 | .129 | 132 | -1.037 | 345 | 1944 | 606 | .137 | -.052 | -1.120 |
| 443 | 934 | 918 | .224 | -.187 | -1.794 | 345 | 1255 | 590 | .143 | 054 | -1.035 | 345 | 1945 | 620 | .127 | -.185 | -1.083 |
| 443 | 935 | 897 | .230 | -.315 | -1.901 | 345 | 1255 | 592 | .157 | 008 | -1.138 | 345 | 1946 | 615 | .133 | -.202 | -1.032 |

| WD | TAP | CPHEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPHEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPHEAN | CPRMS | CPMAX | CPMIN |
|-----|-----|--------|-------|-------|-------|-----|-----|--------|-------|-------|-------|-----|-----|--------|-------|-------|--------|
| 240 | 101 | 236 | 160 | 241 | 822 | 240 | 227 | 190 | 123 | 180 | 392 | 240 | 304 | 590 | 142 | 138 | 1.121 |
| 240 | 102 | 040 | 180 | 597 | 610 | 240 | 228 | 353 | 123 | 044 | 806 | 240 | 305 | 619 | 133 | 207 | -1.129 |
| 240 | 103 | 051 | 167 | 541 | 456 | 240 | 229 | 462 | 255 | 292 | 645 | 240 | 306 | 593 | 135 | 146 | -1.139 |
| 240 | 104 | 092 | 172 | 547 | 492 | 240 | 230 | 481 | 157 | 979 | 034 | 240 | 307 | 589 | 150 | 063 | -1.129 |
| 240 | 105 | 029 | 169 | 569 | 582 | 240 | 231 | 377 | 150 | 911 | 062 | 240 | 308 | 579 | 133 | 125 | -1.121 |
| 240 | 106 | 272 | 147 | 263 | 750 | 240 | 232 | 293 | 138 | 808 | 122 | 240 | 309 | 518 | 143 | 090 | -1.072 |
| 240 | 107 | 069 | 164 | 610 | 516 | 240 | 233 | 196 | 129 | 606 | 346 | 240 | 310 | 501 | 136 | 034 | -1.930 |
| 240 | 108 | 386 | 193 | 225 | 149 | 240 | 234 | 103 | 132 | 562 | 311 | 240 | 311 | 513 | 154 | 032 | -1.218 |
| 240 | 109 | 439 | 182 | 982 | 232 | 240 | 235 | 004 | 125 | 413 | 454 | 240 | 312 | 513 | 138 | 104 | -1.019 |
| 240 | 110 | 514 | 176 | 056 | 084 | 240 | 236 | 214 | 123 | 182 | 652 | 240 | 313 | 473 | 148 | 025 | -1.027 |
| 240 | 111 | 425 | 175 | 218 | 109 | 240 | 237 | 413 | 130 | 006 | 806 | 240 | 314 | 474 | 132 | 060 | -1.955 |
| 240 | 112 | 100 | 158 | 643 | 429 | 240 | 238 | 529 | 199 | 111 | 248 | 240 | 401 | 391 | 158 | 211 | -1.878 |
| 240 | 113 | 068 | 153 | 476 | 319 | 240 | 239 | 509 | 179 | 021 | 339 | 240 | 402 | 432 | 166 | 127 | -1.014 |
| 240 | 114 | 063 | 159 | 752 | 487 | 240 | 240 | 393 | 134 | 768 | 098 | 240 | 403 | 606 | 183 | 080 | -1.319 |
| 240 | 115 | 199 | 189 | 482 | 763 | 240 | 241 | 303 | 129 | 870 | 128 | 240 | 404 | 916 | 187 | 254 | -1.718 |
| 240 | 116 | 374 | 196 | 224 | 016 | 240 | 242 | 213 | 129 | 593 | 248 | 240 | 405 | 912 | 203 | 306 | -1.636 |
| 240 | 120 | 172 | 146 | 426 | 639 | 240 | 243 | 117 | 121 | 549 | 267 | 240 | 501 | 227 | 276 | 043 | -1.530 |
| 240 | 121 | 447 | 208 | 250 | 262 | 240 | 244 | 043 | 122 | 463 | 399 | 240 | 502 | 222 | 237 | 989 | -1.739 |
| 240 | 125 | 236 | 137 | 311 | 725 | 240 | 245 | 058 | 125 | 320 | 476 | 240 | 503 | 086 | 202 | 793 | -1.635 |
| 240 | 126 | 314 | 224 | 062 | 806 | 240 | 246 | 025 | 108 | 318 | 370 | 240 | 504 | 149 | 170 | 447 | -1.754 |
| 240 | 130 | 222 | 164 | 290 | 756 | 240 | 247 | 498 | 203 | 213 | 262 | 240 | 505 | 329 | 230 | 149 | -1.401 |
| 240 | 131 | 317 | 222 | 953 | 735 | 240 | 248 | 459 | 174 | 050 | 133 | 240 | 506 | 309 | 191 | 998 | -1.295 |
| 240 | 135 | 359 | 193 | 101 | 860 | 240 | 249 | 385 | 151 | 043 | 078 | 240 | 507 | 507 | 168 | 191 | -1.383 |
| 240 | 136 | 107 | 233 | 907 | 761 | 240 | 250 | 263 | 128 | 700 | 163 | 240 | 508 | 052 | 168 | 553 | -1.609 |
| 240 | 201 | 276 | 272 | 520 | 513 | 240 | 251 | 196 | 115 | 610 | 212 | 240 | 509 | 153 | 169 | 433 | -1.704 |
| 240 | 202 | 143 | 163 | 383 | 859 | 240 | 252 | 139 | 121 | 527 | 293 | 240 | 901 | 734 | 184 | 033 | -1.819 |
| 240 | 203 | 492 | 135 | 009 | 083 | 240 | 253 | 064 | 122 | 463 | 350 | 240 | 902 | 782 | 211 | 067 | -1.643 |
| 240 | 204 | 314 | 229 | 668 | 511 | 240 | 254 | 022 | 115 | 448 | 333 | 240 | 903 | 418 | 160 | 152 | -1.154 |
| 240 | 205 | 314 | 207 | 453 | 178 | 240 | 255 | 078 | 124 | 485 | 333 | 240 | 904 | 632 | 164 | 103 | -1.177 |
| 240 | 206 | 221 | 218 | 648 | 278 | 240 | 256 | 478 | 171 | 056 | 200 | 240 | 905 | 590 | 143 | 058 | -1.109 |
| 240 | 207 | 552 | 188 | 015 | 398 | 240 | 257 | 431 | 166 | 001 | 076 | 240 | 906 | 550 | 147 | 048 | -1.055 |
| 240 | 208 | 346 | 163 | 316 | 377 | 240 | 258 | 352 | 144 | 979 | 124 | 240 | 907 | 572 | 146 | 119 | -1.069 |
| 240 | 209 | 363 | 178 | 330 | 898 | 240 | 259 | 281 | 144 | 757 | 148 | 240 | 908 | 672 | 178 | 155 | -1.362 |
| 240 | 210 | 085 | 280 | 896 | 922 | 240 | 260 | 202 | 132 | 623 | 282 | 240 | 909 | 700 | 160 | 137 | -1.288 |
| 240 | 211 | 178 | 241 | 726 | 915 | 240 | 261 | 131 | 120 | 540 | 311 | 240 | 910 | 736 | 173 | 200 | -1.537 |
| 240 | 212 | 048 | 144 | 442 | 541 | 240 | 262 | 076 | 120 | 551 | 348 | 240 | 911 | 740 | 187 | 237 | -2.446 |
| 240 | 213 | 112 | 131 | 378 | 532 | 240 | 263 | 012 | 119 | 386 | 348 | 240 | 912 | 800 | 213 | 076 | -1.985 |
| 240 | 214 | 055 | 133 | 476 | 632 | 240 | 264 | 069 | 121 | 473 | 373 | 240 | 913 | 491 | 154 | 003 | -1.083 |
| 240 | 215 | 122 | 140 | 371 | 663 | 240 | 265 | 378 | 162 | 918 | 149 | 240 | 914 | 814 | 166 | 313 | -1.480 |
| 240 | 216 | 059 | 133 | 374 | 538 | 240 | 266 | 423 | 151 | 012 | 016 | 240 | 915 | 526 | 183 | 092 | -1.266 |
| 240 | 217 | 051 | 134 | 480 | 497 | 240 | 267 | 383 | 138 | 834 | 012 | 240 | 916 | 313 | 149 | 299 | -1.809 |
| 240 | 218 | 220 | 136 | 352 | 662 | 240 | 268 | 283 | 143 | 758 | 267 | 240 | 917 | 352 | 136 | 088 | -1.782 |
| 240 | 219 | 323 | 118 | 048 | 755 | 240 | 269 | 204 | 122 | 608 | 253 | 240 | 918 | 609 | 149 | 160 | -1.320 |
| 240 | 220 | 174 | 239 | 941 | 804 | 240 | 270 | 152 | 130 | 538 | 363 | 240 | 919 | 734 | 188 | 199 | -1.498 |
| 240 | 221 | 357 | 234 | 890 | 363 | 240 | 271 | 078 | 114 | 500 | 341 | 240 | 920 | 826 | 171 | 128 | -1.804 |
| 240 | 222 | 261 | 146 | 733 | 260 | 240 | 272 | 016 | 119 | 392 | 440 | 240 | 921 | 860 | 171 | 205 | -2.189 |
| 240 | 223 | 193 | 137 | 639 | 253 | 240 | 273 | 004 | 121 | 436 | 494 | 240 | 922 | 863 | 206 | 268 | -2.253 |
| 240 | 224 | 143 | 139 | 659 | 414 | 240 | 301 | 597 | 137 | 146 | 045 | 240 | 923 | 593 | 163 | 022 | -1.189 |
| 240 | 225 | 080 | 123 | 546 | 363 | 240 | 302 | 640 | 132 | 153 | 123 | 240 | 924 | 592 | 228 | 021 | -2.014 |
| 240 | 226 | 000 | 133 | 483 | 482 | 240 | 303 | 640 | 134 | 180 | 111 | 240 | 925 | 207 | 218 | 527 | -1.142 |

| WD | TAP | CPNEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPNEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPNEAN | CPRMS | CPMAX | CPMIN |
|-----|------|--------|-------|-------|--------|-----|------|--------|-------|-------|--------|-----|------|--------|-------|-------|--------|
| 240 | 926 | -.044 | .149 | .340 | -.547 | 240 | 1245 | -.633 | .152 | -.046 | -.181 | 240 | 1941 | -.609 | .150 | -.102 | -.168 |
| 240 | 927 | -.049 | .148 | .445 | -.583 | 240 | 1248 | -.609 | .142 | -.168 | -.1061 | 240 | 1942 | -.644 | .161 | -.079 | -.199 |
| 240 | 928 | -.197 | .173 | .441 | -.829 | 240 | 1249 | -.632 | .150 | -.143 | -.1066 | 240 | 1943 | -.636 | .151 | -.147 | -.165 |
| 240 | 929 | -.051 | .168 | .441 | -.631 | 240 | 1250 | -.630 | .146 | -.119 | -.146 | 240 | 1944 | -.624 | .145 | -.207 | -.143 |
| 240 | 930 | -.095 | .203 | .336 | -.822 | 240 | 1251 | -.608 | .142 | -.203 | -.1108 | 240 | 1945 | -.569 | .145 | -.138 | -.1036 |
| 240 | 931 | -.149 | .223 | .424 | -.2326 | 240 | 1252 | -.638 | .150 | -.132 | -.1257 | 240 | 1946 | -.595 | .131 | -.077 | -.1033 |
| 240 | 932 | -.822 | .185 | .091 | -.1498 | 240 | 1253 | -.625 | .148 | -.168 | -.1215 | 240 | 101 | -.041 | .200 | .569 | -.808 |
| 240 | 933 | -.804 | .273 | .106 | -.1719 | 240 | 1254 | -.602 | .161 | -.052 | -.1113 | 240 | 102 | -.218 | .213 | .896 | -.571 |
| 240 | 934 | -.028 | .166 | .562 | -.620 | 240 | 1257 | -.633 | .141 | -.172 | -.1088 | 240 | 103 | -.334 | .202 | 1.034 | -.480 |
| 240 | 935 | -.056 | .150 | .499 | -.476 | 240 | 1258 | -.618 | .141 | -.043 | -.1030 | 240 | 104 | -.367 | .165 | .924 | -.187 |
| 240 | 936 | .121 | .158 | .727 | -.376 | 240 | 1259 | -.649 | .149 | -.115 | -.1232 | 240 | 105 | -.293 | .190 | .852 | -.548 |
| 240 | 937 | .272 | .213 | 1.022 | -.426 | 240 | 1260 | -.624 | .152 | -.152 | -.1133 | 240 | 106 | -.122 | .181 | .592 | -.724 |
| 240 | 938 | .172 | .182 | .522 | -.2007 | 240 | 1261 | -.668 | .152 | -.179 | -.1332 | 240 | 107 | -.236 | .198 | 1.076 | -.500 |
| 240 | 939 | .255 | .200 | .511 | -.200 | 240 | 1262 | -.600 | .155 | -.133 | -.1119 | 240 | 108 | -.551 | .201 | 1.181 | -.122 |
| 240 | 940 | .268 | .241 | .451 | -.122 | 240 | 1263 | -.647 | .164 | -.048 | -.1079 | 240 | 109 | -.620 | .202 | 1.261 | -.118 |
| 240 | 941 | .228 | .226 | .320 | -.014 | 240 | 1266 | -.633 | .133 | -.161 | -.1048 | 240 | 110 | -.697 | .165 | 1.229 | -.177 |
| 240 | 942 | .555 | .285 | .169 | -.2232 | 240 | 1267 | -.627 | .148 | -.144 | -.1033 | 240 | 111 | -.428 | .193 | .981 | -.340 |
| 240 | 943 | .229 | .199 | .311 | -.992 | 240 | 1268 | -.638 | .163 | -.041 | -.1208 | 240 | 112 | -.115 | .173 | .795 | -.522 |
| 240 | 944 | .089 | .137 | .304 | -.608 | 240 | 1269 | -.633 | .142 | -.121 | -.1121 | 240 | 113 | -.108 | .154 | .643 | -.389 |
| 240 | 945 | .102 | .174 | .646 | -.543 | 240 | 1270 | -.619 | .166 | -.066 | -.1190 | 240 | 114 | -.130 | .154 | .693 | -.379 |
| 240 | 946 | .352 | .244 | 1.259 | -.413 | 240 | 1271 | -.643 | .170 | -.139 | -.1417 | 240 | 115 | -.168 | .214 | .428 | -.101 |
| 240 | 1107 | .484 | .192 | .298 | -.1081 | 240 | 1272 | -.538 | .196 | -.072 | -.1063 | 240 | 116 | -.166 | .166 | .463 | -.600 |
| 240 | 1108 | .595 | .170 | .071 | -.234 | 240 | 1303 | -.318 | .138 | -.258 | -.806 | 240 | 120 | -.183 | .159 | .458 | -.768 |
| 240 | 1109 | .603 | .165 | .088 | -.329 | 240 | 1307 | -.123 | .175 | -.589 | -.691 | 240 | 121 | -.274 | .219 | 1.080 | -.754 |
| 240 | 1110 | .605 | .158 | .023 | -.690 | 240 | 1309 | -.198 | .131 | -.204 | -.631 | 240 | 123 | -.194 | .176 | .398 | -.791 |
| 240 | 1111 | .632 | .180 | .054 | -.377 | 240 | 1311 | -.157 | .130 | -.266 | -.552 | 240 | 125 | -.280 | .200 | 1.057 | -.385 |
| 240 | 1116 | .257 | .193 | .322 | -.186 | 240 | 1313 | -.063 | .154 | -.429 | -.545 | 240 | 126 | -.150 | .166 | .618 | -.728 |
| 240 | 1121 | .190 | .148 | .682 | -.304 | 240 | 1911 | -.398 | .161 | -.146 | -.947 | 240 | 131 | -.276 | .167 | .999 | -.291 |
| 240 | 1126 | .213 | .168 | .788 | -.336 | 240 | 1913 | -.566 | .178 | -.229 | -.174 | 240 | 135 | -.282 | .175 | .507 | -.852 |
| 240 | 1136 | .191 | .154 | .823 | -.350 | 240 | 1914 | -.181 | .221 | -.491 | -.831 | 240 | 136 | -.203 | .160 | .730 | -.637 |
| 240 | 1221 | .556 | .130 | .101 | -.112 | 240 | 1915 | -.231 | .142 | -.236 | -.920 | 240 | 201 | -.961 | .290 | 1.333 | -.2114 |
| 240 | 1222 | .594 | .139 | .048 | -.988 | 240 | 1916 | -.227 | .131 | -.282 | -.666 | 240 | 202 | -.608 | .312 | 1.333 | -.2049 |
| 240 | 1223 | .583 | .135 | .068 | -.064 | 240 | 1917 | -.325 | .126 | -.077 | -.750 | 240 | 203 | -.636 | .212 | .052 | -.1719 |
| 240 | 1224 | .575 | .133 | .064 | -.999 | 240 | 1918 | -.383 | .132 | -.084 | -.806 | 240 | 204 | -.633 | .240 | .254 | -.1450 |
| 240 | 1225 | .570 | .136 | .112 | -.041 | 240 | 1921 | -.545 | .159 | -.023 | -.1002 | 240 | 205 | -.376 | .190 | .271 | -.1174 |
| 240 | 1226 | .526 | .132 | .068 | -.908 | 240 | 1923 | -.605 | .177 | -.082 | -.1150 | 240 | 206 | -.499 | .179 | .437 | -.1056 |
| 240 | 1227 | .553 | .138 | .124 | -.028 | 240 | 1924 | -.489 | .202 | -.384 | -.1075 | 240 | 207 | -.313 | .153 | .197 | -.1522 |
| 240 | 1230 | .592 | .139 | .106 | -.023 | 240 | 1925 | -.299 | .187 | -.304 | -.0661 | 240 | 208 | -.206 | .158 | .303 | -.858 |
| 240 | 1231 | .625 | .122 | .113 | -.113 | 240 | 1926 | -.279 | .144 | -.184 | -.738 | 240 | 209 | -.555 | .203 | .195 | -.1502 |
| 240 | 1232 | .622 | .138 | .110 | -.070 | 240 | 1927 | -.375 | .141 | -.070 | -.820 | 240 | 210 | -.523 | .229 | .234 | -.1244 |
| 240 | 1233 | .588 | .132 | .097 | -.070 | 240 | 1928 | -.483 | .139 | -.005 | -.922 | 240 | 211 | -.433 | .297 | .326 | -.1424 |
| 240 | 1234 | .593 | .127 | .135 | -.001 | 240 | 1930 | -.589 | .163 | -.030 | -.1161 | 240 | 212 | -.172 | .225 | .444 | -.1217 |
| 240 | 1235 | .607 | .134 | .161 | -.164 | 240 | 1932 | -.628 | .156 | -.096 | -.1175 | 240 | 213 | -.032 | .139 | .446 | -.856 |
| 240 | 1236 | .596 | .143 | .135 | -.110 | 240 | 1933 | -.671 | .159 | -.180 | -.1309 | 240 | 214 | -.033 | .136 | .377 | -.560 |
| 240 | 1239 | .622 | .149 | .088 | -.064 | 240 | 1934 | -.545 | .175 | -.114 | -.1072 | 240 | 215 | -.039 | .125 | .393 | -.394 |
| 240 | 1240 | .639 | .128 | .190 | -.035 | 240 | 1935 | -.452 | .166 | -.161 | -.974 | 240 | 216 | -.077 | .165 | .408 | -.1085 |
| 240 | 1241 | .618 | .136 | .083 | -.132 | 240 | 1936 | -.453 | .148 | -.146 | -.902 | 240 | 218 | -.236 | .125 | .180 | -.657 |
| 240 | 1242 | .624 | .141 | .113 | -.144 | 240 | 1937 | -.521 | .150 | -.020 | -.1013 | 240 | 219 | -.259 | .129 | .184 | -.706 |
| 240 | 1243 | .625 | .134 | .146 | -.144 | 240 | 1938 | -.605 | .159 | -.148 | -.1122 | 240 | 220 | -.359 | .232 | .647 | -.1522 |
| 240 | 1244 | .606 | .158 | .012 | -.046 | 240 | 1939 | -.605 | .159 | -.148 | -.1122 | | | | | | |

| UD | TAP | CPHEAN | CPRNS | CPMAX | CPMIN | UD | TAP | CPHEAN | CPRNS | CPMAX | CPMIN | UD | TAP | CPHEAN | CPRNS | CPMAX | CPMIN |
|------|-----|--------|-------|-------|--------|------|-----|--------|-------|-------|--------|------|------|--------|-------|-------|--------|
| 2200 | 221 | .592 | .309 | .473 | -1.870 | 2255 | 271 | .013 | .123 | .304 | -.436 | 2355 | 920 | -.592 | .176 | -.227 | -1.361 |
| 2200 | 222 | .106 | .178 | .631 | -1.047 | 2255 | 272 | -.002 | .119 | .373 | -.421 | 2355 | 921 | -.604 | .190 | -.008 | -1.399 |
| 2200 | 223 | .078 | .127 | .513 | -.381 | 2255 | 273 | -.056 | .105 | .397 | -.299 | 2355 | 922 | -.743 | .225 | -.031 | -1.960 |
| 2200 | 224 | .063 | .130 | .484 | -.441 | 2255 | 301 | -.410 | .141 | .003 | -.939 | 2355 | 923 | -.440 | .187 | -.315 | -1.194 |
| 2200 | 225 | .023 | .117 | .462 | -.381 | 2255 | 302 | -.407 | .149 | .077 | -1.083 | 2355 | 924 | -.683 | .204 | -.034 | -1.601 |
| 2200 | 226 | .036 | .114 | .344 | -.398 | 2255 | 303 | -.430 | .134 | .045 | -.879 | 2355 | 925 | -.547 | .233 | -.435 | -1.318 |
| 2200 | 227 | .187 | .121 | .215 | -.639 | 2255 | 304 | -.413 | .140 | .043 | -.859 | 2355 | 926 | -.079 | .213 | -.575 | -1.006 |
| 2200 | 228 | .292 | .119 | .146 | -.740 | 2255 | 305 | -.476 | .155 | .022 | -1.157 | 2355 | 927 | -.077 | .228 | -.697 | -.986 |
| 2200 | 229 | .323 | .274 | .626 | -1.372 | 2255 | 306 | -.452 | .141 | -.027 | -.944 | 2255 | 928 | -.010 | .177 | -.683 | -.658 |
| 2300 | 230 | .116 | .358 | .664 | -1.401 | 2255 | 307 | -.421 | .140 | .091 | -1.006 | 2255 | 929 | -.644 | .179 | -.015 | -1.423 |
| 2300 | 231 | .130 | .398 | .598 | -.607 | 2255 | 308 | -.436 | .140 | .016 | -1.157 | 2355 | 930 | -.688 | .185 | -.064 | -1.808 |
| 2300 | 232 | .182 | .123 | .557 | -.318 | 2255 | 309 | -.372 | .140 | .108 | -.874 | 2255 | 931 | -.767 | .235 | -.088 | -2.011 |
| 2300 | 233 | .067 | .116 | .424 | -.281 | 2255 | 310 | -.365 | .130 | .048 | -.888 | 2255 | 932 | -.529 | .183 | -.068 | -1.259 |
| 2300 | 234 | .002 | .110 | .397 | -.360 | 2255 | 311 | -.361 | .141 | .103 | -.814 | 2255 | 933 | -.779 | .232 | -.073 | -1.822 |
| 2300 | 235 | .060 | .114 | .293 | -.452 | 2255 | 312 | -.365 | .125 | .110 | -.820 | 2255 | 934 | -.397 | .267 | -.477 | -1.327 |
| 2300 | 236 | .226 | .103 | .128 | -.654 | 2255 | 313 | -.351 | .130 | .117 | -.847 | 2255 | 935 | -.193 | .198 | -.760 | -.728 |
| 2300 | 237 | .371 | .117 | .063 | -.780 | 2255 | 314 | -.349 | .134 | .103 | -.825 | 2255 | 936 | -.353 | .212 | -.972 | -.398 |
| 2300 | 238 | .079 | .270 | .825 | -1.083 | 2255 | 401 | -.446 | .183 | .150 | -1.318 | 2255 | 937 | -.441 | .203 | 1.102 | -.284 |
| 2300 | 239 | .103 | .271 | .735 | -1.141 | 2255 | 402 | -.450 | .175 | .126 | -1.021 | 2255 | 938 | -.831 | .214 | -.187 | -1.604 |
| 2400 | 240 | .152 | .124 | .566 | -.255 | 2255 | 403 | -.435 | .189 | .126 | -1.147 | 2255 | 939 | -.937 | .212 | -.190 | -1.705 |
| 2400 | 241 | .120 | .115 | .484 | -.292 | 2255 | 404 | -.594 | .197 | -.252 | -1.208 | 2255 | 940 | -.083 | .313 | -.115 | -2.620 |
| 2400 | 242 | .063 | .114 | .453 | -.363 | 2255 | 405 | -.671 | .182 | .036 | -1.461 | 2255 | 941 | -.801 | .204 | -.138 | -1.432 |
| 2400 | 243 | .019 | .123 | .449 | -.372 | 2255 | 501 | -.514 | .196 | 1.252 | -.293 | 2255 | 942 | -.234 | .411 | -.047 | -2.899 |
| 2400 | 244 | .032 | .104 | .340 | -.441 | 2255 | 502 | -.486 | .195 | 1.091 | -.195 | 2255 | 943 | -.288 | .387 | -.688 | -2.420 |
| 2400 | 245 | .064 | .119 | .342 | -.447 | 2255 | 503 | -.363 | .192 | .997 | -.382 | 2255 | 944 | -.190 | .187 | -.739 | -1.079 |
| 2400 | 246 | .013 | .115 | .348 | -.396 | 2255 | 504 | -.129 | .160 | .845 | -.829 | 2255 | 945 | -.375 | .181 | 1.116 | -.435 |
| 2400 | 247 | .002 | .294 | .722 | -1.133 | 2255 | 505 | -.515 | .206 | 1.149 | -.330 | 2255 | 946 | -.543 | .186 | 1.183 | -.096 |
| 2400 | 248 | .159 | .207 | .798 | -1.116 | 2255 | 506 | -.461 | .184 | 1.030 | -.195 | 2255 | 1107 | -.303 | .166 | -.087 | -1.047 |
| 2400 | 249 | .167 | .124 | .600 | -.267 | 2255 | 507 | -.299 | .207 | .891 | -.283 | 2255 | 1108 | -.501 | .160 | -.009 | -1.066 |
| 2500 | 250 | .115 | .123 | .549 | -.334 | 2255 | 508 | .111 | .188 | 1.119 | -.581 | 2255 | 1109 | -.478 | .138 | -.031 | -.910 |
| 2500 | 251 | .067 | .112 | .424 | -.303 | 2255 | 509 | -.015 | .175 | .851 | -.508 | 2255 | 1110 | -.490 | .140 | -.031 | -.918 |
| 2500 | 252 | .024 | .114 | .397 | -.427 | 2255 | 901 | -.690 | .207 | -.043 | -2.224 | 2255 | 1111 | -.506 | .173 | -.009 | -1.303 |
| 2500 | 253 | .010 | .118 | .495 | -.272 | 2255 | 902 | -.651 | .241 | -.274 | -1.765 | 2255 | 1112 | -.299 | .179 | -.353 | -1.087 |
| 2500 | 254 | .011 | .109 | .358 | -.343 | 2255 | 903 | -.455 | .191 | -.226 | -1.171 | 2255 | 1121 | -.041 | .177 | -.639 | -.638 |
| 2500 | 255 | .099 | .125 | .559 | -.372 | 2255 | 904 | -.641 | .167 | .021 | -1.152 | 2255 | 1126 | -.117 | .174 | -.710 | -.487 |
| 2500 | 256 | .053 | .252 | .780 | -.991 | 2255 | 905 | -.607 | .181 | .100 | -1.403 | 2255 | 1138 | -.104 | .156 | -.630 | -.388 |
| 2500 | 257 | .183 | .216 | .782 | -.730 | 2255 | 906 | -.535 | .213 | -.222 | -1.442 | 2255 | 1221 | -.449 | .126 | -.014 | -.864 |
| 2500 | 258 | .164 | .128 | .566 | -.318 | 2255 | 907 | -.451 | .185 | .206 | -1.070 | 2255 | 1222 | -.483 | .129 | -.007 | -.911 |
| 2500 | 259 | .118 | .113 | .480 | -.332 | 2255 | 908 | -.485 | .165 | .067 | -1.199 | 2255 | 1223 | -.486 | .127 | -.056 | -.976 |
| 2600 | 260 | .072 | .117 | .478 | -.463 | 2255 | 909 | -.481 | .201 | .398 | -1.791 | 2255 | 1224 | -.476 | .136 | -.020 | -.875 |
| 2600 | 261 | .032 | .123 | .486 | -.390 | 2255 | 910 | -.601 | .162 | -.113 | -1.372 | 2255 | 1225 | -.454 | .131 | -.009 | -.893 |
| 2600 | 262 | .018 | .117 | .391 | -.349 | 2255 | 911 | -.628 | .207 | -.017 | -1.928 | 2255 | 1226 | -.420 | .124 | -.007 | -.816 |
| 2600 | 263 | .013 | .116 | .511 | -.418 | 2255 | 912 | -.727 | .222 | .093 | -1.992 | 2255 | 1227 | -.437 | .135 | -.013 | -.893 |
| 2600 | 264 | .094 | .126 | .500 | -.381 | 2255 | 913 | -.472 | .167 | .124 | -.958 | 2255 | 1230 | -.554 | .134 | -.094 | -.935 |
| 2600 | 265 | .124 | .190 | .681 | -.681 | 2255 | 914 | -.651 | .178 | .111 | -.469 | 2255 | 1231 | -.522 | .136 | -.067 | -.929 |
| 2600 | 266 | .193 | .187 | .704 | -1.068 | 2255 | 915 | -.614 | .213 | .345 | -.627 | 2255 | 1232 | -.510 | .132 | -.011 | -.888 |
| 2600 | 267 | .174 | .135 | .653 | -.394 | 2255 | 916 | -.381 | .230 | .588 | -.255 | 2255 | 1233 | -.474 | .127 | -.076 | -.906 |
| 2600 | 268 | .120 | .125 | .569 | -.407 | 2255 | 917 | -.204 | .191 | .440 | -.992 | 2255 | 1234 | -.475 | .134 | -.032 | -.895 |
| 2600 | 269 | .052 | .122 | .457 | -.385 | 2255 | 918 | -.391 | .165 | .266 | -1.192 | 2255 | 1235 | -.457 | .126 | -.038 | -.872 |
| 2600 | 270 | .046 | .117 | .411 | -.312 | 2255 | 919 | -.542 | .194 | .108 | -1.376 | 2255 | 1236 | -.477 | .121 | -.076 | -.938 |

| WD | TAP | CPNEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPNEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPNEAN | CPRMS | CPMAX | CPMIN |
|------|-----|--------|-------|--------|-------|------|-------|--------|-------|--------|-------|-----|-------|--------|-------|--------|-------|
| 1239 | 543 | .135 | -.110 | -.978 | 235 | 1933 | -.320 | .148 | -.038 | -1.105 | 270 | 215 | -.252 | .224 | .690 | -1.264 | |
| 1240 | 533 | .134 | -.099 | -1.126 | 235 | 1934 | -.302 | .152 | .014 | -.960 | 270 | 216 | -.138 | .181 | .448 | -1.404 | |
| 1241 | 532 | .137 | -.036 | -1.009 | 235 | 1935 | -.447 | .139 | -.056 | -1.044 | 270 | 217 | -.178 | .219 | .517 | -1.631 | |
| 1242 | 510 | .141 | -.039 | -.962 | 235 | 1936 | -.394 | .133 | -.044 | -.852 | 270 | 218 | -.155 | .147 | .326 | -.844 | |
| 1243 | 483 | .157 | -.043 | -.048 | 235 | 1937 | -.414 | .124 | -.010 | -.875 | 270 | 219 | -.180 | .131 | .279 | -.634 | |
| 1244 | 492 | .139 | -.007 | -.938 | 235 | 1939 | -.498 | .142 | -.035 | -.903 | 270 | 220 | -.391 | .163 | -.023 | -1.100 | |
| 1245 | 453 | .155 | -.050 | -.973 | 235 | 1941 | -.489 | .142 | -.036 | -.019 | 270 | 221 | -.615 | .158 | -.126 | -1.408 | |
| 1248 | 517 | .143 | -.022 | -1.032 | 235 | 1942 | -.519 | .140 | -.026 | -1.085 | 270 | 222 | -.664 | .209 | -.059 | -1.533 | |
| 1249 | 546 | .135 | -.032 | -1.126 | 235 | 1943 | -.510 | .146 | -.047 | -1.005 | 270 | 223 | -.432 | .228 | .317 | -1.197 | |
| 1250 | 518 | .146 | -.041 | -1.023 | 235 | 1944 | -.484 | .150 | -.066 | -1.038 | 270 | 224 | -.178 | .197 | .456 | -.962 | |
| 1251 | 508 | .150 | -.011 | -1.126 | 235 | 1945 | -.465 | .162 | -.021 | -1.026 | 270 | 225 | -.111 | .164 | .426 | -.898 | |
| 1252 | 514 | .149 | -.094 | -1.124 | 270 | 1946 | -.451 | .133 | -.018 | -.934 | 270 | 226 | -.109 | .161 | .442 | -.773 | |
| 1253 | 413 | .139 | -.132 | -.875 | 270 | 101 | -.277 | .218 | -.958 | -.674 | 270 | 227 | -.151 | .124 | .283 | -.631 | |
| 1254 | 388 | .139 | -.067 | -.868 | 270 | 102 | -.346 | .244 | 1.284 | -.370 | 270 | 228 | -.187 | .123 | .241 | -.645 | |
| 1257 | 512 | .141 | -.022 | -1.032 | 270 | 103 | -.599 | .243 | 1.345 | -.366 | 270 | 229 | -.763 | .232 | .183 | -2.216 | |
| 1258 | 524 | .148 | -.045 | -.991 | 270 | 104 | -.565 | .233 | 1.438 | -.431 | 270 | 230 | -.789 | .252 | .331 | -1.885 | |
| 1259 | 544 | .146 | -.031 | -1.106 | 270 | 105 | -.540 | .229 | 1.220 | -.350 | 270 | 231 | -.566 | .291 | .404 | -1.723 | |
| 1260 | 527 | .162 | -.088 | -1.055 | 270 | 106 | -.291 | .233 | 1.086 | -.876 | 270 | 232 | -.276 | .244 | .424 | -1.398 | |
| 1261 | 464 | .159 | -.142 | -.064 | 270 | 107 | -.598 | .243 | 1.350 | -.404 | 270 | 233 | -.118 | .152 | .403 | -.804 | |
| 1262 | 371 | .168 | -.175 | -.866 | 270 | 108 | -.866 | .243 | 1.862 | -.135 | 270 | 234 | -.087 | .141 | .365 | -.635 | |
| 1263 | 301 | .159 | -.223 | -.828 | 270 | 109 | -.867 | .271 | 1.621 | -.084 | 270 | 235 | -.111 | .122 | .312 | -.579 | |
| 1266 | 535 | .149 | -.014 | -1.027 | 270 | 110 | -.815 | .237 | 1.658 | -.019 | 270 | 236 | -.169 | .117 | .255 | -.601 | |
| 1267 | 509 | .156 | -.045 | -1.061 | 270 | 111 | -.741 | .254 | 1.452 | -.109 | 270 | 237 | -.231 | .114 | .243 | -.641 | |
| 1268 | 531 | .155 | -.106 | -1.149 | 270 | 112 | -.352 | .232 | 1.151 | -.416 | 270 | 238 | -.831 | .279 | .023 | -2.106 | |
| 1269 | 527 | .166 | -.014 | -1.133 | 270 | 113 | -.214 | .181 | -.809 | -.358 | 270 | 239 | -.811 | .307 | .121 | -2.054 | |
| 1270 | 475 | .157 | -.078 | -1.007 | 270 | 114 | -.194 | .183 | -.746 | -.424 | 270 | 240 | -.252 | .218 | .349 | -.118 | |
| 1271 | 374 | .167 | -.238 | -.998 | 270 | 115 | -.371 | .307 | 1.112 | -.852 | 270 | 241 | -.127 | .153 | .355 | -.841 | |
| 1272 | 274 | .141 | -.177 | -.756 | 270 | 116 | -.608 | .255 | 1.411 | -.374 | 270 | 242 | -.087 | .120 | .283 | -.517 | |
| 1303 | 295 | .133 | -.120 | -.807 | 270 | 120 | -.318 | .271 | 1.060 | -.712 | 270 | 243 | -.087 | .112 | .374 | -.675 | |
| 1305 | 237 | .142 | -.212 | -.779 | 270 | 121 | -.498 | .248 | 1.497 | -.207 | 270 | 244 | -.082 | .111 | .351 | -.565 | |
| 1307 | 106 | .148 | -.400 | -.583 | 270 | 125 | -.122 | .250 | 1.031 | -.655 | 270 | 245 | -.050 | .121 | .413 | -.505 | |
| 1309 | 127 | .136 | -.352 | -.584 | 270 | 126 | -.259 | .228 | 1.018 | -.433 | 270 | 246 | -.007 | .114 | .390 | -.390 | |
| 1311 | 065 | .132 | -.425 | -.546 | 270 | 130 | -.032 | .236 | -.904 | -.639 | 270 | 247 | -.587 | .114 | .109 | -1.984 | |
| 1313 | 013 | .136 | -.442 | -.442 | 270 | 131 | -.204 | .189 | -.916 | -.472 | 270 | 248 | -.489 | .283 | .342 | -2.933 | |
| 1911 | 335 | .168 | -.239 | -.870 | 270 | 135 | -.047 | .183 | -.659 | -.584 | 270 | 249 | -.136 | .158 | .351 | -.839 | |
| 1913 | 482 | .173 | -.054 | -1.091 | 270 | 136 | -.200 | .170 | -.857 | -.319 | 270 | 250 | -.105 | .127 | .292 | -.540 | |
| 1914 | 384 | .164 | -.138 | -.885 | 270 | 201 | -.745 | .238 | -.124 | -1.916 | 270 | 251 | -.097 | .116 | .360 | -.503 | |
| 1915 | 347 | .162 | -.134 | -.901 | 270 | 202 | -.699 | .204 | -.018 | -1.841 | 270 | 252 | -.081 | .112 | .305 | -.451 | |
| 1916 | 282 | .142 | -.203 | -.791 | 270 | 203 | -.600 | .206 | -.203 | -1.901 | 270 | 253 | -.074 | .114 | .303 | -.444 | |
| 1917 | 317 | .136 | -.165 | -.790 | 270 | 204 | -.219 | .272 | -.575 | -1.487 | 270 | 254 | -.619 | .112 | .374 | -.389 | |
| 1918 | 329 | .130 | -.195 | -.791 | 270 | 205 | -.120 | .184 | -.420 | -1.072 | 270 | 255 | -.041 | .122 | .505 | -.343 | |
| 1921 | 433 | .153 | -.023 | -.885 | 270 | 206 | -.063 | .206 | -.527 | -.945 | 270 | 256 | -.481 | .242 | .084 | -1.723 | |
| 1923 | 479 | .154 | -.154 | -1.028 | 270 | 207 | -.226 | .248 | -.699 | -.515 | 270 | 257 | -.371 | .220 | .228 | -1.753 | |
| 1924 | 483 | .161 | -.043 | -.993 | 270 | 208 | -.070 | .180 | -.644 | -.638 | 270 | 258 | -.113 | .145 | .381 | -.727 | |
| 1925 | 409 | .142 | -.110 | -.838 | 270 | 209 | -.014 | .168 | -.510 | -.706 | 270 | 259 | -.096 | .122 | .301 | -.538 | |
| 1926 | 340 | .152 | -.167 | -.831 | 270 | 210 | -.657 | .191 | -.016 | -1.631 | 270 | 260 | -.087 | .113 | .264 | -.485 | |
| 1927 | 331 | .158 | -.247 | -.833 | 270 | 211 | -.674 | .211 | -.033 | -1.831 | 270 | 261 | -.091 | .111 | .280 | -.537 | |
| 1928 | 342 | .146 | -.105 | -.830 | 270 | 212 | -.646 | .204 | -.039 | -1.354 | 270 | 262 | -.074 | .111 | .290 | -.567 | |
| 1930 | 480 | .153 | -.059 | -.927 | 270 | 213 | -.629 | .223 | -.247 | -1.854 | 270 | 263 | -.031 | .109 | .411 | -.480 | |
| 1932 | 485 | .147 | -.014 | -1.016 | 270 | 214 | -.509 | .247 | -.312 | -1.418 | 270 | 264 | -.018 | .124 | .420 | -.468 | |

| UD | TAP | CPNEAN | CPNRS | CPMAX | CPMIN | UD | TAP | CPNEAN | CPNRS | CPMAX | CPMIN | UD | TAP | CPNEAN | CPNRS | CPMAX | CPMIN |
|-----|-----|--------|-------|-------|--------|-----|-------|--------|-------|-------|--------|-----|------|--------|-------|-------|-------|
| 270 | 265 | 280 | 183 | 332 | -1.137 | 270 | 914 | 670 | 232 | 284 | -1.666 | 270 | 1231 | 236 | 163 | 386 | -737 |
| 270 | 266 | 240 | 180 | 310 | -1.293 | 270 | 915 | 502 | 278 | 802 | -1.513 | 270 | 1232 | 221 | 150 | 212 | -656 |
| 270 | 267 | 080 | 120 | 317 | -321 | 270 | 916 | 341 | 283 | 816 | -1.505 | 270 | 1233 | 239 | 131 | 190 | -760 |
| 270 | 268 | 081 | 113 | 273 | -482 | 270 | 917 | 180 | 279 | 759 | -1.160 | 270 | 1234 | 224 | 122 | 192 | -640 |
| 270 | 269 | 083 | 120 | 344 | -492 | 270 | 918 | 251 | 252 | 973 | -1.376 | 270 | 1235 | 228 | 122 | 178 | -634 |
| 270 | 270 | 076 | 117 | 4290 | 312 | 270 | 919 | 285 | 198 | 348 | -1.991 | 270 | 1236 | 221 | 123 | 217 | -777 |
| 270 | 271 | 067 | 119 | 379 | -401 | 270 | 920 | 332 | 191 | 017 | -1.866 | 270 | 1239 | 222 | 156 | 351 | -782 |
| 270 | 272 | 052 | 124 | 344 | -562 | 270 | 921 | 628 | 213 | 219 | -1.866 | 270 | 1240 | 222 | 166 | 420 | -686 |
| 270 | 273 | 021 | 118 | 354 | -442 | 270 | 922 | 685 | 255 | 045 | -2.534 | 270 | 1241 | 184 | 152 | 296 | -703 |
| 270 | 301 | 256 | 132 | 169 | 729 | 270 | 923 | 302 | 201 | 335 | -1.605 | 270 | 1242 | 171 | 138 | 337 | -684 |
| 270 | 302 | 253 | 132 | 136 | -1.010 | 270 | 924 | 630 | 228 | 390 | -1.572 | 270 | 1243 | 180 | 132 | 300 | -638 |
| 270 | 303 | 320 | 175 | 225 | -1.038 | 270 | 925 | 541 | 217 | 586 | -1.413 | 270 | 1244 | 172 | 131 | 331 | -620 |
| 270 | 304 | 238 | 129 | 192 | -722 | 270 | 926 | 336 | 272 | 731 | -1.218 | 270 | 1245 | 158 | 151 | 404 | -659 |
| 270 | 305 | 320 | 146 | 248 | -871 | 270 | 927 | 191 | 295 | 020 | -1.238 | 270 | 1248 | 171 | 176 | 568 | -735 |
| 270 | 306 | 239 | 114 | 183 | -724 | 270 | 928 | 020 | 333 | 332 | -1.625 | 270 | 1249 | 134 | 161 | 346 | -779 |
| 270 | 307 | 332 | 142 | 178 | -745 | 270 | 929 | 523 | 219 | 074 | -1.623 | 270 | 1250 | 109 | 144 | 453 | -663 |
| 270 | 308 | 246 | 122 | 226 | -717 | 270 | 930 | 352 | 208 | 097 | -1.945 | 270 | 1251 | 073 | 119 | 375 | -497 |
| 270 | 309 | 307 | 139 | 101 | -737 | 270 | 931 | 676 | 253 | 278 | -2.463 | 270 | 1252 | 086 | 120 | 294 | -433 |
| 270 | 310 | 232 | 115 | 141 | -722 | 270 | 932 | 480 | 190 | 156 | -1.152 | 270 | 1253 | 090 | 124 | 314 | -479 |
| 270 | 311 | 296 | 162 | 217 | -814 | 270 | 933 | 392 | 205 | 034 | -1.472 | 270 | 1254 | 094 | 124 | 312 | -520 |
| 270 | 312 | 261 | 114 | 132 | -814 | 270 | 934 | 558 | 223 | 280 | -1.792 | 270 | 1257 | 123 | 162 | 340 | -678 |
| 270 | 313 | 303 | 159 | 256 | -871 | 270 | 935 | 358 | 272 | 692 | -1.220 | 270 | 1258 | 119 | 169 | 546 | -645 |
| 270 | 314 | 238 | 133 | 206 | -855 | 270 | 936 | 174 | 287 | 130 | -1.236 | 270 | 1259 | 075 | 127 | 365 | -555 |
| 270 | 401 | 339 | 216 | 402 | -1.242 | 270 | 937 | 157 | 322 | 556 | -1.804 | 270 | 1260 | 059 | 129 | 356 | -546 |
| 270 | 402 | 342 | 217 | 203 | -1.467 | 270 | 938 | 564 | 227 | 061 | -2.388 | 270 | 1261 | 073 | 115 | 358 | -587 |
| 270 | 403 | 468 | 201 | 223 | -1.263 | 270 | 939 | 632 | 250 | 146 | -2.183 | 270 | 1262 | 069 | 114 | 321 | -545 |
| 270 | 404 | 464 | 204 | 333 | -1.212 | 270 | 940 | 716 | 270 | 088 | -2.712 | 270 | 1263 | 068 | 113 | 323 | -462 |
| 270 | 405 | 470 | 185 | 238 | -1.210 | 270 | 941 | 495 | 174 | 093 | -1.305 | 270 | 1266 | 131 | 182 | 516 | -714 |
| 270 | 501 | 163 | 463 | 625 | -1.328 | 270 | 942 | 608 | 255 | 313 | -1.747 | 270 | 1267 | 076 | 143 | 338 | -719 |
| 270 | 502 | 137 | 461 | 491 | -1.313 | 270 | 943 | 591 | 252 | 401 | -1.509 | 270 | 1268 | 056 | 127 | 317 | -495 |
| 270 | 503 | 124 | 486 | 784 | -1.492 | 270 | 944 | 444 | 290 | 623 | -1.863 | 270 | 1269 | 053 | 133 | 393 | -472 |
| 270 | 504 | 079 | 428 | 469 | -1.230 | 270 | 945 | 205 | 326 | 837 | -2.206 | 270 | 1270 | 047 | 127 | 324 | -677 |
| 270 | 505 | 157 | 344 | 542 | -1.941 | 270 | 946 | 161 | 338 | 466 | -1.904 | 270 | 1271 | 048 | 128 | 446 | -441 |
| 270 | 506 | 179 | 334 | 782 | -1.678 | 270 | 1107 | 298 | 151 | 202 | -1.833 | 270 | 1272 | 064 | 135 | 386 | -564 |
| 270 | 507 | 091 | 312 | 236 | -1.941 | 270 | 1108 | 332 | 167 | 228 | -1.890 | 270 | 1303 | 280 | 159 | 271 | -809 |
| 270 | 508 | 087 | 295 | 430 | -1.380 | 270 | 1109 | 306 | 157 | 224 | -1.860 | 270 | 1305 | 259 | 147 | 257 | -775 |
| 270 | 509 | 080 | 294 | 224 | -1.400 | 270 | 1110 | 317 | 139 | 186 | -1.837 | 270 | 1307 | 211 | 154 | 350 | -771 |
| 270 | 901 | 676 | 220 | 074 | -1.698 | 270 | 1111 | 345 | 153 | 273 | -1.866 | 270 | 1309 | 100 | 146 | 408 | -561 |
| 270 | 902 | 242 | 242 | 612 | -2.299 | 270 | 11116 | 364 | 199 | 269 | -1.463 | 270 | 1311 | 016 | 166 | 632 | -468 |
| 270 | 903 | 355 | 202 | 187 | -1.481 | 270 | 1121 | 296 | 205 | 394 | -1.304 | 270 | 1313 | 041 | 138 | 507 | -512 |
| 270 | 904 | 664 | 358 | 371 | -1.702 | 270 | 1126 | 300 | 221 | 394 | -1.090 | 270 | 1911 | 206 | 150 | 309 | -741 |
| 270 | 905 | 359 | 302 | 624 | -1.921 | 270 | 1136 | 218 | 226 | 390 | -1.058 | 270 | 1913 | 329 | 158 | 231 | -904 |
| 270 | 906 | 340 | 322 | 784 | -2.145 | 270 | 1221 | 248 | 131 | 162 | -1.701 | 270 | 1914 | 280 | 149 | 281 | -811 |
| 270 | 907 | 287 | 264 | 865 | -1.518 | 270 | 1222 | 285 | 131 | 146 | -1.696 | 270 | 1915 | 320 | 156 | 263 | -757 |
| 270 | 908 | 250 | 226 | 491 | -1.354 | 270 | 1223 | 281 | 125 | 176 | -1.724 | 270 | 1916 | 284 | 161 | 188 | -817 |
| 270 | 909 | 270 | 189 | 596 | -1.228 | 270 | 1224 | 261 | 123 | 115 | -1.726 | 270 | 1917 | 283 | 144 | 166 | -757 |
| 270 | 910 | 622 | 203 | 007 | -1.477 | 270 | 1225 | 243 | 121 | 146 | -1.654 | 270 | 1918 | 291 | 136 | 204 | -761 |
| 270 | 911 | 642 | 210 | 042 | -1.843 | 270 | 1226 | 224 | 134 | 264 | -1.733 | 270 | 1921 | 325 | 152 | 180 | -819 |
| 270 | 912 | 715 | 238 | 070 | -2.125 | 270 | 1227 | 230 | 110 | 127 | -1.610 | 270 | 1923 | 321 | 155 | 239 | -942 |
| 270 | 913 | 563 | 194 | 050 | -1.507 | 270 | 1230 | 288 | 151 | 176 | -1.945 | 270 | 1924 | 328 | 150 | 210 | -803 |

| MD | TAP | CPNEAN | CPRMS | CPMAX | CPHIN | MD | TAP | CPNEAN | CPRMS | CPMAX | CPHIN | MD | TAP | CPNEAN | CPRMS | CPMAX | CPHIN |
|-----|------|--------|-------|-------|-------|-----|-----|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|
| 270 | 1925 | .316 | .142 | .261 | -.741 | 285 | 209 | -.465 | .218 | -.114 | -2.081 | 285 | 259 | -.415 | .194 | .168 | -1.284 |
| 270 | 1926 | .3304 | .156 | .202 | -.922 | 285 | 210 | -.582 | .165 | -.007 | -1.607 | 285 | 260 | -.313 | .153 | .140 | -.959 |
| 270 | 1927 | .3391 | .149 | .319 | -.829 | 285 | 211 | -.664 | .186 | -.212 | -2.048 | 285 | 261 | -.265 | .141 | .217 | -.806 |
| 270 | 1928 | .283 | .156 | .233 | -.797 | 285 | 212 | -.713 | .212 | -.021 | -1.710 | 285 | 262 | -.226 | .124 | .147 | -.660 |
| 270 | 1930 | .291 | .160 | .231 | -.878 | 285 | 213 | -.687 | .216 | -.299 | -1.765 | 285 | 263 | -.201 | .124 | .285 | -.726 |
| 270 | 1932 | .337 | .158 | .182 | -.971 | 285 | 214 | -.644 | .166 | -.117 | -1.734 | 285 | 264 | -.148 | .133 | .352 | -.609 |
| 270 | 1933 | .316 | .157 | .338 | -.835 | 285 | 215 | -.573 | .175 | -.031 | -1.809 | 285 | 265 | -.516 | .195 | .059 | -1.165 |
| 270 | 1934 | .334 | .142 | .119 | -.846 | 285 | 216 | -.498 | .175 | -.183 | -1.234 | 285 | 266 | -.565 | .214 | .074 | -1.919 |
| 270 | 1935 | .359 | .156 | .265 | -.833 | 285 | 217 | -.419 | .157 | -.102 | -1.104 | 285 | 267 | -.487 | .243 | .266 | -1.626 |
| 270 | 1936 | .312 | .142 | .245 | -.781 | 285 | 218 | -.421 | .171 | -.133 | -1.179 | 285 | 268 | -.386 | .204 | .233 | -1.345 |
| 270 | 1937 | .303 | .153 | .196 | -.783 | 285 | 219 | -.443 | .194 | -.145 | -1.465 | 285 | 269 | -.289 | .147 | .184 | -.835 |
| 270 | 1939 | .319 | .156 | .231 | -.991 | 285 | 220 | -.594 | .161 | -.097 | -1.191 | 285 | 270 | -.246 | .150 | .189 | -.762 |
| 270 | 1941 | .315 | .138 | .182 | -.767 | 285 | 221 | -.626 | .150 | -.199 | -1.387 | 285 | 271 | -.216 | .119 | .205 | -.673 |
| 270 | 1942 | .326 | .156 | .295 | -.906 | 285 | 222 | -.658 | .166 | -.040 | -1.270 | 285 | 272 | -.203 | .124 | .196 | -.595 |
| 270 | 1943 | .329 | .148 | .162 | -.827 | 285 | 223 | -.669 | .182 | -.058 | -1.352 | 285 | 273 | -.196 | .128 | .236 | -.625 |
| 270 | 1944 | .320 | .136 | .172 | -.787 | 285 | 224 | -.600 | .170 | -.066 | -1.498 | 285 | 301 | -.345 | .123 | .092 | -.709 |
| 270 | 1945 | .309 | .152 | .222 | -.824 | 285 | 225 | -.539 | .188 | -.028 | -1.221 | 285 | 302 | -.324 | .119 | .067 | -.716 |
| 270 | 1946 | .300 | .132 | .124 | -.633 | 285 | 226 | -.457 | .154 | -.036 | -1.020 | 285 | 303 | -.339 | .116 | .130 | -.715 |
| 285 | 101 | .385 | .206 | .116 | -.461 | 285 | 227 | -.412 | .155 | .109 | -.983 | 285 | 304 | -.320 | .129 | .076 | -.751 |
| 285 | 102 | .402 | .201 | .013 | -.290 | 285 | 228 | -.413 | .152 | .028 | -1.272 | 285 | 305 | -.362 | .123 | .013 | -.763 |
| 285 | 103 | .317 | .180 | .934 | -.199 | 285 | 229 | -.634 | .147 | -.035 | -1.255 | 285 | 306 | -.357 | .124 | .048 | -.790 |
| 285 | 104 | .302 | .164 | .929 | -.165 | 285 | 230 | -.607 | .151 | -.134 | -1.444 | 285 | 307 | -.397 | .142 | .068 | -.986 |
| 285 | 105 | .307 | .174 | .983 | -.318 | 285 | 231 | -.626 | .175 | -.073 | -1.432 | 285 | 308 | -.385 | .135 | .093 | -.861 |
| 285 | 106 | .506 | .183 | .081 | -.171 | 285 | 232 | -.609 | .155 | .066 | -.093 | 285 | 309 | -.317 | .119 | .097 | -.767 |
| 285 | 107 | .765 | .202 | .409 | -.068 | 285 | 233 | -.525 | .181 | -.111 | -1.460 | 285 | 310 | -.286 | .121 | .090 | -.739 |
| 285 | 108 | .762 | .205 | .437 | -.113 | 285 | 234 | -.424 | .178 | .276 | -.160 | 285 | 311 | -.302 | .121 | .113 | -.685 |
| 285 | 109 | .718 | .185 | .411 | -.156 | 285 | 235 | -.395 | .166 | .222 | -.938 | 285 | 312 | -.288 | .132 | .121 | -.847 |
| 285 | 110 | .652 | .170 | .231 | -.108 | 285 | 236 | -.367 | .141 | .100 | -.800 | 285 | 313 | -.254 | .112 | .132 | -.639 |
| 285 | 111 | .676 | .192 | .224 | -.060 | 285 | 237 | -.387 | .137 | .122 | -.034 | 285 | 314 | -.224 | .120 | .212 | -.651 |
| 285 | 112 | .328 | .155 | .856 | -.282 | 285 | 238 | -.672 | .205 | -.100 | -1.966 | 285 | 401 | -.007 | .201 | -.355 | -1.795 |
| 285 | 113 | .213 | .148 | .758 | -.261 | 285 | 239 | -.640 | .216 | -.034 | -2.025 | 285 | 402 | -.941 | .212 | .171 | -1.723 |
| 285 | 114 | .156 | .148 | .609 | -.400 | 285 | 240 | -.665 | .209 | .008 | -1.482 | 285 | 403 | -.874 | .206 | .054 | -1.686 |
| 285 | 115 | .638 | .186 | .210 | -.069 | 285 | 241 | -.552 | .201 | .099 | -1.390 | 285 | 404 | -.712 | .173 | .044 | -1.382 |
| 285 | 116 | .442 | .169 | .985 | -.121 | 285 | 242 | -.476 | .163 | -.038 | -1.075 | 285 | 405 | -.542 | .155 | .078 | -1.059 |
| 285 | 120 | .559 | .199 | .369 | -.011 | 285 | 243 | -.370 | .185 | .175 | -.990 | 285 | 501 | -.518 | .181 | .023 | -.431 |
| 285 | 121 | .339 | .177 | .988 | -.239 | 285 | 244 | -.501 | .157 | .238 | -.898 | 285 | 502 | -.614 | .183 | .203 | -.342 |
| 285 | 123 | .513 | .177 | .254 | -.052 | 285 | 245 | -.261 | .141 | .271 | -.813 | 285 | 503 | -.718 | .188 | .433 | -.315 |
| 285 | 126 | .212 | .176 | .018 | -.296 | 285 | 246 | -.261 | .140 | .228 | -.799 | 285 | 504 | -.664 | .200 | .392 | -.069 |
| 285 | 130 | .413 | .158 | .081 | -.032 | 285 | 247 | -.676 | .246 | .022 | -2.601 | 285 | 505 | -.449 | .197 | .016 | -.333 |
| 285 | 131 | .213 | .166 | .769 | -.341 | 285 | 248 | -.715 | .240 | .012 | -2.007 | 285 | 506 | -.641 | .199 | .278 | -.047 |
| 285 | 133 | .338 | .151 | .841 | -.132 | 285 | 249 | -.596 | .244 | -.038 | -1.538 | 285 | 507 | -.677 | .207 | .339 | -.031 |
| 285 | 136 | .142 | .148 | .942 | -.291 | 285 | 250 | -.473 | .206 | .123 | -2.233 | 285 | 508 | -.457 | .209 | .197 | -.333 |
| 285 | 201 | .710 | .234 | .069 | -.917 | 285 | 251 | -.360 | .175 | .137 | -.067 | 285 | 509 | -.299 | .258 | .218 | -.360 |
| 285 | 202 | .689 | .214 | .052 | -.636 | 285 | 252 | -.291 | .132 | .266 | -.734 | 285 | 901 | -.331 | .305 | .515 | -.622 |
| 285 | 203 | .777 | .265 | .147 | -.847 | 285 | 253 | -.240 | .144 | .339 | -.898 | 285 | 902 | -.219 | .301 | .165 | -.662 |
| 285 | 204 | .433 | .156 | .043 | -.186 | 285 | 254 | -.195 | .123 | .213 | -.653 | 285 | 903 | -.033 | .248 | .128 | -.265 |
| 285 | 205 | .508 | .208 | .100 | -.712 | 285 | 255 | -.166 | .140 | .355 | -.727 | 285 | 904 | -.745 | .317 | .100 | -.181 |
| 285 | 206 | .562 | .251 | .276 | -.781 | 285 | 256 | -.615 | .217 | .048 | -.645 | 285 | 905 | -.279 | .230 | .406 | -.188 |
| 285 | 207 | .437 | .167 | .045 | -.353 | 285 | 257 | -.616 | .244 | .001 | -2.310 | 285 | 906 | -.072 | .193 | .467 | -.218 |
| 285 | 208 | .444 | .171 | .088 | -.294 | 285 | 258 | -.547 | .239 | .085 | -1.538 | 285 | 907 | -.062 | .166 | .509 | -.293 |

| WD | TAP | CPMEAN | CPRRS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRRS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRRS | CPMAX | CPMIN |
|-----|------|--------|-------|-------|--------|-----|------|--------|-------|-------|-------|-----|------|--------|-------|-------|-------|
| 285 | 908 | .218 | .164 | .287 | -.912 | 285 | 1223 | -.376 | .149 | -.185 | -.865 | 285 | 1916 | -.386 | .121 | -.091 | -.774 |
| 285 | 909 | .321 | .136 | .138 | -.950 | 285 | 1224 | -.298 | .141 | -.193 | -.774 | 285 | 1917 | -.402 | .119 | -.038 | -.795 |
| 285 | 910 | -1.172 | .260 | .497 | -2.265 | 285 | 1225 | -.282 | .120 | -.166 | -.653 | 285 | 1918 | -.397 | .118 | -.041 | -.818 |
| 285 | 911 | -1.156 | .253 | .176 | -2.272 | 285 | 1226 | -.269 | .124 | -.088 | -.643 | 285 | 1921 | -.414 | .139 | -.053 | -.841 |
| 285 | 912 | -.950 | .236 | .189 | -1.774 | 285 | 1227 | -.283 | .127 | -.160 | -.736 | 285 | 1923 | -.419 | .126 | -.002 | -.963 |
| 285 | 913 | -.979 | .212 | .289 | -1.720 | 285 | 1230 | -.318 | .165 | -.401 | -.925 | 285 | 1924 | -.435 | .125 | -.003 | -.871 |
| 285 | 914 | -.659 | .367 | .464 | -2.219 | 285 | 1231 | -.216 | .166 | -.654 | -.416 | 285 | 1925 | -.430 | .134 | -.046 | -.863 |
| 285 | 915 | -.252 | .230 | .334 | -1.223 | 285 | 1232 | -.072 | .129 | -.362 | -.473 | 285 | 1926 | -.433 | .122 | -.053 | -.853 |
| 285 | 916 | -.089 | .195 | .604 | -1.213 | 285 | 1233 | -.229 | .135 | -.231 | -.669 | 285 | 1927 | -.399 | .125 | -.013 | -.843 |
| 285 | 917 | -.064 | .153 | .574 | -.787 | 285 | 1234 | -.218 | .127 | -.203 | -.708 | 285 | 1928 | -.381 | .125 | -.044 | -.805 |
| 285 | 918 | .331 | .168 | .306 | -.908 | 285 | 1235 | -.213 | .129 | -.336 | -.663 | 285 | 1930 | -.424 | .139 | -.087 | -.878 |
| 285 | 919 | .294 | .145 | .443 | -.772 | 285 | 1236 | -.219 | .116 | -.150 | -.596 | 285 | 1932 | -.432 | .121 | -.033 | -.820 |
| 285 | 920 | -1.033 | .203 | .393 | -1.810 | 285 | 1239 | -.037 | .146 | -.527 | -.440 | 285 | 1933 | -.422 | .147 | -.096 | -.812 |
| 285 | 921 | -1.044 | .218 | .316 | -1.984 | 285 | 1240 | -.188 | .159 | -.668 | -.417 | 285 | 1934 | -.430 | .126 | -.007 | -.914 |
| 285 | 922 | -1.075 | .216 | .303 | -1.974 | 285 | 1241 | -.058 | .128 | -.465 | -.428 | 285 | 1935 | -.423 | .134 | -.043 | -.970 |
| 285 | 923 | -.756 | .177 | .095 | -1.412 | 285 | 1242 | -.037 | .123 | -.358 | -.533 | 285 | 1936 | -.418 | .129 | -.020 | -.932 |
| 285 | 924 | -.280 | .265 | .527 | -1.309 | 285 | 1243 | -.112 | .114 | -.246 | -.524 | 285 | 1937 | -.382 | .132 | -.076 | -.797 |
| 285 | 925 | .131 | .191 | .621 | -.620 | 285 | 1244 | -.095 | .129 | -.344 | -.536 | 285 | 1939 | -.426 | .126 | -.013 | -.838 |
| 285 | 926 | .265 | .153 | .730 | -.491 | 285 | 1245 | -.075 | .130 | -.403 | -.572 | 285 | 1941 | -.434 | .135 | -.020 | -.965 |
| 285 | 927 | .428 | .177 | .923 | -.298 | 285 | 1248 | -.106 | .141 | -.594 | -.421 | 285 | 1942 | -.431 | .129 | -.051 | -.919 |
| 285 | 928 | .482 | .251 | .343 | -.414 | 285 | 1249 | -.106 | .152 | -.618 | -.387 | 285 | 1943 | -.441 | .132 | -.002 | -.947 |
| 285 | 929 | .876 | .195 | .279 | -1.799 | 285 | 1250 | -.028 | .132 | -.499 | -.493 | 285 | 1944 | -.420 | .137 | -.031 | -.835 |
| 285 | 930 | .923 | .194 | .363 | -1.610 | 285 | 1251 | -.034 | .123 | -.463 | -.493 | 285 | 1945 | -.379 | .126 | -.147 | -.818 |
| 285 | 931 | -1.022 | .249 | .269 | -2.080 | 285 | 1252 | -.104 | .112 | -.293 | -.486 | 285 | 1946 | -.363 | .119 | -.066 | -.728 |
| 285 | 932 | .621 | .161 | .091 | -1.186 | 285 | 1253 | -.113 | .129 | -.307 | -.528 | 300 | 101 | -.389 | .213 | 1.064 | -.363 |
| 285 | 933 | .649 | .228 | .306 | -1.475 | 285 | 1254 | -.118 | .112 | -.246 | -.493 | 300 | 102 | -.164 | .207 | 1.805 | -.609 |
| 285 | 934 | .025 | .234 | .674 | -.918 | 285 | 1257 | -.081 | .145 | -.515 | -.448 | 300 | 103 | -.060 | .174 | 1.548 | -.474 |
| 285 | 935 | .339 | .176 | .843 | -.223 | 285 | 1258 | -.073 | .147 | -.561 | -.428 | 300 | 104 | -.100 | .157 | 1.572 | -.467 |
| 285 | 936 | .517 | .175 | 1.108 | -.243 | 285 | 1259 | -.003 | .132 | -.463 | -.416 | 300 | 105 | -.026 | .163 | 1.604 | -.510 |
| 285 | 937 | .688 | .206 | 1.397 | -.063 | 285 | 1260 | -.059 | .121 | -.358 | -.476 | 300 | 106 | -.718 | .227 | 1.283 | -.743 |
| 285 | 938 | .640 | .172 | .064 | -1.236 | 285 | 1261 | -.089 | .121 | -.269 | -.610 | 300 | 107 | -.728 | .202 | 1.426 | -.084 |
| 285 | 939 | .718 | .188 | .133 | -2.024 | 285 | 1262 | -.115 | .114 | -.327 | -.491 | 300 | 108 | -.584 | .201 | 1.190 | -.127 |
| 285 | 940 | .887 | .240 | .032 | -2.196 | 285 | 1263 | -.120 | .111 | -.288 | -.488 | 300 | 109 | -.541 | .167 | 1.955 | -.042 |
| 285 | 941 | .611 | .179 | .116 | -1.304 | 285 | 1266 | -.107 | .153 | -.692 | -.354 | 300 | 110 | -.491 | .168 | 1.070 | -.079 |
| 285 | 942 | .895 | .279 | .191 | -2.187 | 285 | 1267 | -.065 | .136 | -.479 | -.433 | 300 | 111 | -.471 | .192 | 1.044 | -.173 |
| 285 | 943 | .572 | .356 | .577 | -2.181 | 285 | 1268 | -.012 | .135 | -.422 | -.536 | 300 | 112 | -.192 | .149 | 1.656 | -.344 |
| 285 | 944 | .074 | .215 | .707 | -1.199 | 285 | 1269 | -.049 | .125 | -.427 | -.514 | 300 | 113 | -.104 | .149 | 1.677 | -.400 |
| 285 | 945 | .294 | .158 | .764 | -.447 | 285 | 1270 | -.081 | .115 | -.289 | -.440 | 300 | 114 | -.057 | .151 | 1.673 | -.388 |
| 285 | 946 | .447 | .181 | .060 | -.186 | 285 | 1271 | -.002 | .130 | -.432 | -.519 | 300 | 115 | -.636 | .196 | 1.175 | -.214 |
| 285 | 1107 | .434 | .136 | .000 | -.864 | 285 | 1272 | -.141 | .126 | -.315 | -.574 | 300 | 116 | -.125 | .180 | 1.730 | -.494 |
| 285 | 1108 | .428 | .135 | .010 | -.894 | 285 | 1303 | -.405 | .121 | -.054 | -.813 | 300 | 120 | -.555 | .221 | 1.234 | -.393 |
| 285 | 1109 | .425 | .133 | .008 | -.915 | 285 | 1305 | -.411 | .128 | -.002 | -.896 | 300 | 121 | -.075 | .162 | 1.608 | -.485 |
| 285 | 1110 | .421 | .133 | .038 | -.838 | 285 | 1307 | -.366 | .148 | -.109 | -.879 | 300 | 123 | -.439 | .259 | 1.229 | -.444 |
| 285 | 1111 | .437 | .128 | .130 | -.855 | 285 | 1309 | -.218 | .163 | -.507 | -.803 | 300 | 126 | -.064 | .168 | 1.566 | -.652 |
| 285 | 1116 | .465 | .128 | .010 | -.840 | 285 | 1311 | -.148 | .158 | -.461 | -.624 | 300 | 130 | -.308 | .267 | 1.003 | -.609 |
| 285 | 1121 | .450 | .137 | .058 | -.863 | 285 | 1313 | -.259 | .140 | -.308 | -.718 | 300 | 131 | -.026 | .149 | 1.537 | -.470 |
| 285 | 1126 | .473 | .132 | .036 | -.857 | 285 | 1911 | -.317 | .124 | -.130 | -.687 | 300 | 133 | -.228 | .226 | 1.937 | -.609 |
| 285 | 1136 | .493 | .135 | .048 | -.935 | 285 | 1913 | -.431 | .124 | -.041 | -.858 | 300 | 136 | -.059 | .138 | 1.379 | -.480 |
| 285 | 1221 | .417 | .149 | .043 | -.198 | 285 | 1914 | -.391 | .126 | -.081 | -.794 | 300 | 201 | -.638 | .144 | 1.145 | -.227 |
| 285 | 1222 | .439 | .153 | .047 | -.001 | 285 | 1915 | -.387 | .122 | -.094 | -.807 | 300 | 202 | -.624 | .151 | 1.136 | -.421 |

| MD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | MD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | MD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | |
|-----|-----|--------|-------|--------|-------|-----|-----|--------|-------|-------|--------|-----|------|--------|-------|-------|-------|--------|
| 300 | 203 | .161 | .116 | -1.340 | | 300 | 253 | .589 | .158 | -.096 | -1.175 | 300 | 902 | -.1 | .338 | .234 | -.669 | -2.742 |
| 300 | 204 | .147 | .129 | -1.114 | | 300 | 254 | .398 | .175 | -.087 | -1.402 | 300 | 903 | -1 | .222 | .234 | -.559 | -2.134 |
| 300 | 205 | .150 | .160 | -1.493 | | 300 | 255 | .782 | .287 | -.033 | -1.933 | 300 | 904 | -1 | .733 | .216 | -.090 | -1.676 |
| 300 | 206 | .174 | .190 | -1.349 | | 300 | 256 | .609 | .153 | -.134 | -1.405 | 300 | 905 | -1 | .474 | .212 | -.171 | -1.488 |
| 300 | 207 | .148 | .083 | -1.181 | | 300 | 257 | .601 | .161 | -.009 | -1.126 | 300 | 906 | -1 | .330 | .239 | -.351 | -1.705 |
| 300 | 208 | .148 | .187 | -1.282 | | 300 | 258 | .636 | .185 | -.099 | -1.638 | 300 | 907 | -1 | .218 | .243 | -.464 | -1.493 |
| 300 | 209 | .154 | .125 | -1.435 | | 300 | 259 | .641 | .188 | -.048 | -1.633 | 300 | 908 | -1 | .173 | .187 | -.516 | -1.890 |
| 300 | 210 | .146 | .146 | -1.259 | | 300 | 260 | .638 | .177 | -.115 | -1.315 | 300 | 909 | -1 | .444 | .142 | -.019 | -1.005 |
| 300 | 211 | .147 | .079 | -1.183 | | 300 | 261 | .615 | .170 | -.113 | -1.303 | 300 | 910 | -2 | .703 | .407 | -.574 | -3.466 |
| 300 | 212 | .141 | .057 | -1.067 | | 300 | 262 | .379 | .145 | -.035 | -1.154 | 300 | 911 | -1 | .744 | .201 | -.208 | -2.132 |
| 300 | 213 | .143 | .064 | -1.102 | | 300 | 263 | .386 | .185 | -.023 | -1.251 | 300 | 912 | -1 | .984 | .279 | -.176 | -2.132 |
| 300 | 214 | .140 | .146 | -1.148 | | 300 | 264 | .621 | .204 | -.040 | -1.489 | 300 | 913 | -1 | .032 | .187 | -.455 | -1.599 |
| 300 | 215 | .150 | .092 | -1.185 | | 300 | 265 | .593 | .161 | -.113 | -1.202 | 300 | 914 | -1 | .797 | .203 | -.017 | -1.679 |
| 300 | 216 | .135 | .122 | -1.157 | | 300 | 266 | .632 | .175 | -.041 | -1.235 | 300 | 915 | -1 | .513 | .202 | -.143 | -1.443 |
| 300 | 217 | .171 | .071 | -2.144 | | 300 | 267 | .602 | .179 | -.113 | -1.934 | 300 | 916 | -1 | .336 | .213 | -.252 | -1.655 |
| 300 | 218 | .145 | .138 | -1.141 | | 300 | 268 | .667 | .192 | -.112 | -1.696 | 300 | 917 | -1 | .215 | .217 | -.471 | -1.696 |
| 300 | 219 | .150 | .138 | -1.160 | | 300 | 269 | .660 | .194 | -.058 | -1.461 | 300 | 918 | -1 | .316 | .186 | -.457 | -1.083 |
| 300 | 220 | .130 | .187 | -1.058 | | 300 | 270 | .618 | .167 | -.016 | -1.319 | 300 | 919 | -1 | .422 | .159 | -.001 | -1.117 |
| 300 | 221 | .127 | .151 | -1.030 | | 300 | 271 | .565 | .170 | -.044 | -1.219 | 300 | 920 | -1 | .314 | .260 | -.342 | -2.340 |
| 300 | 222 | .139 | .184 | -1.040 | | 300 | 272 | .552 | .191 | -.087 | -1.235 | 300 | 921 | -1 | .707 | .303 | -.755 | -2.930 |
| 300 | 223 | .137 | .152 | -1.055 | | 300 | 273 | .594 | .187 | -.032 | -1.368 | 300 | 922 | -1 | .994 | .376 | -.001 | -2.921 |
| 300 | 224 | .136 | .186 | -1.085 | | 300 | 301 | .449 | .125 | -.012 | -.956 | 300 | 923 | -1 | .780 | .176 | -.239 | -1.433 |
| 300 | 225 | .129 | .092 | -1.129 | | 300 | 302 | .434 | .138 | -.004 | -.859 | 300 | 924 | -1 | .133 | .234 | -.349 | -1.195 |
| 300 | 226 | .137 | .191 | -1.019 | | 300 | 303 | .430 | .125 | -.060 | -.842 | 300 | 925 | -1 | .239 | .235 | -.464 | -1.161 |
| 300 | 227 | .140 | .174 | -1.170 | | 300 | 304 | .430 | .134 | -.013 | -.974 | 300 | 926 | -1 | .251 | .193 | -.491 | -1.040 |
| 300 | 228 | .154 | .159 | -1.336 | | 300 | 305 | .477 | .132 | -.008 | -.913 | 300 | 927 | -1 | .169 | .198 | -.381 | -.905 |
| 300 | 229 | .131 | .129 | -1.023 | | 300 | 306 | .475 | .133 | -.003 | -.940 | 300 | 928 | -1 | .154 | .247 | -.717 | -1.178 |
| 300 | 230 | .133 | .211 | -1.141 | | 300 | 307 | .507 | .131 | -.068 | -1.015 | 300 | 929 | -1 | .173 | .188 | -.528 | -1.733 |
| 300 | 231 | .132 | .174 | -1.032 | | 300 | 308 | .489 | .142 | -.018 | -.937 | 300 | 930 | -1 | .241 | .214 | -.504 | -2.013 |
| 300 | 232 | .141 | .184 | -1.170 | | 300 | 309 | .466 | .132 | -.134 | -.832 | 300 | 931 | -1 | .341 | .255 | -.456 | -2.938 |
| 300 | 233 | .150 | .129 | -1.110 | | 300 | 310 | .396 | .139 | -.086 | -.951 | 300 | 932 | -1 | .610 | .193 | -.080 | -1.320 |
| 300 | 234 | .147 | .140 | -1.087 | | 300 | 311 | .381 | .134 | -.155 | -.925 | 300 | 933 | -1 | .024 | .157 | -.545 | -.551 |
| 300 | 235 | .153 | .019 | -1.223 | | 300 | 312 | .392 | .139 | -.163 | -.921 | 300 | 934 | -1 | .024 | .151 | -.503 | -.815 |
| 300 | 236 | .143 | .174 | -1.147 | | 300 | 313 | .345 | .134 | -.063 | -.893 | 300 | 935 | -1 | .035 | .184 | -.732 | -.954 |
| 300 | 237 | .161 | .111 | -1.238 | | 300 | 314 | .337 | .146 | -.156 | -.988 | 300 | 936 | -1 | .132 | .212 | -.791 | -.613 |
| 300 | 238 | .140 | .064 | -1.097 | | 300 | 401 | .181 | .209 | -.557 | -1.939 | 300 | 937 | -1 | .281 | .244 | -.270 | -.604 |
| 300 | 239 | .146 | .094 | -1.097 | | 300 | 402 | .187 | .191 | -.559 | -1.968 | 300 | 938 | -1 | .027 | .178 | -.371 | -1.549 |
| 300 | 240 | .126 | .144 | -1.120 | | 300 | 403 | .915 | .224 | -.292 | -1.946 | 300 | 939 | -1 | .081 | .187 | -.470 | -1.711 |
| 300 | 241 | .160 | .214 | -1.321 | | 300 | 404 | .644 | .205 | -.331 | -1.945 | 300 | 940 | -1 | .169 | .258 | -.216 | -2.421 |
| 300 | 242 | .156 | .154 | -1.404 | | 300 | 405 | .841 | .177 | -.163 | -1.678 | 300 | 941 | -1 | .086 | .216 | -.324 | -1.791 |
| 300 | 243 | .142 | .120 | -1.186 | | 300 | 501 | .284 | .249 | -.289 | -.620 | 300 | 942 | -1 | .610 | .253 | -.204 | -1.888 |
| 300 | 244 | .130 | .129 | -1.145 | | 300 | 502 | .223 | .273 | -.182 | -.782 | 300 | 943 | -1 | .192 | .135 | -.260 | -.689 |
| 300 | 245 | .180 | .089 | -1.289 | | 300 | 503 | .234 | .359 | -.236 | -.954 | 300 | 944 | -1 | .055 | .130 | -.433 | -.484 |
| 300 | 246 | .189 | .089 | -1.433 | | 300 | 504 | .247 | .425 | -.627 | -1.329 | 300 | 945 | -1 | .127 | .167 | -.752 | -.485 |
| 300 | 247 | .135 | .099 | -1.249 | | 300 | 505 | .320 | .210 | -.035 | -.403 | 300 | 946 | -1 | .351 | .217 | -.072 | -.368 |
| 300 | 248 | .152 | .099 | -1.099 | | 300 | 506 | .280 | .216 | -.128 | -.396 | 300 | 1107 | -1 | .503 | .143 | -.045 | -1.060 |
| 300 | 249 | .163 | .120 | -1.211 | | 300 | 507 | .128 | .240 | -.959 | -.821 | 300 | 1108 | -1 | .545 | .128 | -.061 | -.952 |
| 300 | 250 | .182 | .089 | -1.439 | | 300 | 508 | .167 | .216 | -.736 | -1.076 | 300 | 1109 | -1 | .356 | .148 | -.128 | -1.085 |
| 300 | 251 | .171 | .113 | -1.287 | | 300 | 509 | .138 | .246 | -.912 | -1.267 | 300 | 1110 | -1 | .520 | .148 | -.028 | -.947 |
| 300 | 252 | .161 | .081 | -1.315 | | 300 | 901 | -.808 | .363 | -.559 | -.276 | 300 | 1111 | -1 | .547 | .143 | -.054 | -1.087 |

| MD | TAP | CPHEAN | CPRNS | CPMAX | CPMIN | MD | TAP | CPHEAN | CPRNS | CPMAX | CPMIN | MD | TAP | CPHEAN | CPRNS | CPMAX | CPMIN |
|-----|------|--------|-------|-------|--------|-----|------|--------|-------|-------|--------|-----|------|--------|-------|-------|--------|
| 300 | 1116 | -.585 | .139 | -.056 | -1.013 | 300 | 1250 | -.068 | .132 | -.610 | -.435 | 300 | 1914 | -.480 | .126 | -.075 | -.944 |
| 300 | 1121 | -.590 | .140 | -.143 | -1.099 | 300 | 1251 | -.070 | .130 | -.384 | -.527 | 300 | 1915 | -.535 | .135 | -.081 | -1.045 |
| 300 | 1126 | -.580 | .147 | -.061 | -1.072 | 300 | 1252 | -.160 | .123 | -.236 | -.585 | 300 | 1916 | -.487 | .133 | -.029 | -.949 |
| 300 | 1136 | -.592 | .137 | -.176 | -1.062 | 300 | 1253 | -.183 | .127 | -.343 | -.569 | 300 | 1917 | -.513 | .124 | -.056 | -.920 |
| 300 | 1221 | -.483 | .166 | -.057 | -1.228 | 300 | 1254 | -.213 | .120 | -.180 | -.625 | 300 | 1918 | -.481 | .133 | -.061 | -.890 |
| 300 | 1222 | -.469 | .159 | -.088 | -1.116 | 300 | 1257 | -.203 | .159 | -.748 | -.281 | 300 | 1921 | -.496 | .140 | -.078 | -.979 |
| 300 | 1223 | -.227 | .152 | -.319 | -.762 | 300 | 1258 | -.166 | .141 | -.730 | -.290 | 300 | 1923 | -.541 | .133 | -.086 | -.962 |
| 300 | 1224 | -.250 | .134 | -.166 | -.708 | 300 | 1259 | -.025 | .127 | -.385 | -.374 | 300 | 1924 | -.564 | .130 | -.036 | -.962 |
| 300 | 1225 | -.320 | .124 | -.111 | -.748 | 300 | 1260 | -.079 | .130 | -.329 | -.525 | 300 | 1925 | -.545 | .145 | -.044 | -1.028 |
| 300 | 1226 | -.340 | .117 | -.037 | -.655 | 300 | 1261 | -.148 | .138 | -.370 | -.613 | 300 | 1926 | -.531 | .129 | -.063 | -.964 |
| 300 | 1227 | -.323 | .128 | -.123 | -.773 | 300 | 1262 | -.176 | .125 | -.222 | -.578 | 300 | 1927 | -.511 | .135 | -.105 | -.949 |
| 300 | 1230 | -.178 | .182 | -.698 | -.827 | 300 | 1263 | -.177 | .121 | -.243 | -.669 | 300 | 1928 | -.482 | .132 | -.056 | -.944 |
| 300 | 1231 | -.283 | .135 | -.730 | -.168 | 300 | 1266 | -.240 | .163 | -.941 | -.256 | 300 | 1930 | -.529 | .152 | -.085 | -.999 |
| 300 | 1232 | -.023 | .147 | -.480 | -.515 | 300 | 1267 | -.136 | .137 | -.584 | -.288 | 300 | 1932 | -.557 | .136 | -.112 | -.988 |
| 300 | 1233 | -.214 | .145 | -.294 | -.819 | 300 | 1268 | -.043 | .132 | -.674 | -.344 | 300 | 1933 | -.559 | .142 | -.053 | -1.080 |
| 300 | 1234 | -.245 | .126 | -.164 | -.740 | 300 | 1269 | -.083 | .125 | -.389 | -.527 | 300 | 1934 | -.567 | .137 | -.100 | -1.072 |
| 300 | 1235 | -.245 | .124 | -.190 | -.590 | 300 | 1270 | -.123 | .122 | -.320 | -.676 | 300 | 1935 | -.554 | .145 | -.103 | -1.047 |
| 300 | 1236 | -.273 | .126 | -.104 | -.743 | 300 | 1271 | -.044 | .138 | -.605 | -.439 | 300 | 1936 | -.538 | .130 | -.090 | -1.011 |
| 300 | 1239 | -.181 | .155 | -.633 | -.316 | 300 | 1272 | -.296 | .138 | -.167 | -.854 | 300 | 1937 | -.522 | .136 | -.038 | -.983 |
| 300 | 1240 | -.347 | .148 | -.807 | -.102 | 300 | 1303 | -.516 | .131 | -.079 | -.903 | 300 | 1939 | -.525 | .141 | -.049 | -.972 |
| 300 | 1241 | -.110 | .141 | -.637 | -.337 | 300 | 1305 | -.551 | .134 | -.078 | -1.004 | 300 | 1941 | -.537 | .146 | -.128 | -1.043 |
| 300 | 1242 | -.072 | .126 | -.290 | -.481 | 300 | 1307 | -.558 | .137 | -.088 | -.989 | 300 | 1942 | -.568 | .138 | -.157 | -.989 |
| 300 | 1243 | -.184 | .120 | -.222 | -.576 | 300 | 1309 | -.517 | .160 | -.010 | -1.030 | 300 | 1943 | -.539 | .139 | -.091 | -.994 |
| 300 | 1244 | -.180 | .121 | -.206 | -.761 | 300 | 1311 | -.458 | .152 | -.043 | -.978 | 300 | 1944 | -.506 | .142 | -.000 | -1.018 |
| 300 | 1245 | -.173 | .133 | -.482 | -.608 | 300 | 1313 | -.548 | .155 | -.075 | -1.121 | 300 | 1945 | -.449 | .136 | -.007 | -.919 |
| 300 | 1248 | -.201 | .148 | -.700 | -.263 | 300 | 1911 | -.392 | .139 | -.016 | -.883 | 300 | 1946 | -.498 | .144 | -.042 | -.994 |
| 300 | 1249 | -.247 | .147 | -.728 | -.209 | 300 | 1913 | -.515 | .127 | -.018 | -.959 | | | | | | |

| MD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | MD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | MD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN |
|----|-----|--------|-------|-------|-------|-----|-----|--------|-------|-------|--------|----|-----|--------|-------|--------|--------|
| 0 | 101 | 960 | 189 | 284 | -1 | 529 | 0 | 227 | 543 | 161 | -0.93 | 0 | 304 | 593 | 190 | 1.122 | -0.004 |
| 0 | 102 | 944 | 203 | 321 | -1 | 759 | 0 | 228 | 546 | 153 | -1.117 | 0 | 305 | 637 | 189 | 1.237 | -0.084 |
| 0 | 103 | 020 | 234 | 203 | -1 | 285 | 0 | 229 | 620 | 216 | -0.031 | 0 | 306 | 619 | 173 | 1.143 | -0.061 |
| 0 | 104 | 894 | 229 | 013 | -1 | 325 | 0 | 230 | 529 | 151 | -0.72 | 0 | 307 | 592 | 205 | 1.474 | -0.010 |
| 0 | 105 | 897 | 262 | 115 | -1 | 325 | 0 | 231 | 523 | 147 | -0.658 | 0 | 308 | 528 | 173 | 1.056 | -0.151 |
| 0 | 106 | 971 | 192 | 377 | -1 | 777 | 0 | 232 | 512 | 132 | -0.020 | 0 | 309 | 508 | 158 | 1.046 | -0.000 |
| 0 | 107 | 961 | 189 | 096 | -1 | 318 | 0 | 233 | 516 | 137 | -0.041 | 0 | 310 | 481 | 177 | 0.997 | -0.058 |
| 0 | 108 | 928 | 209 | 273 | -1 | 643 | 0 | 234 | 520 | 146 | -0.069 | 0 | 311 | 523 | 163 | 0.991 | -0.029 |
| 0 | 109 | 979 | 236 | 164 | -1 | 444 | 0 | 235 | 531 | 138 | -0.069 | 0 | 312 | 504 | 183 | 1.082 | -0.025 |
| 0 | 110 | 868 | 229 | 319 | -1 | 773 | 0 | 236 | 541 | 142 | -1.110 | 0 | 313 | 536 | 179 | 1.153 | -0.037 |
| 0 | 111 | 986 | 213 | 391 | -1 | 666 | 0 | 237 | 532 | 139 | -1.186 | 0 | 314 | 515 | 177 | 1.106 | -0.027 |
| 0 | 112 | 951 | 210 | 299 | -1 | 666 | 0 | 238 | 643 | 194 | -0.032 | 0 | 401 | 959 | 390 | 0.388 | -2.278 |
| 0 | 113 | 973 | 223 | 173 | -1 | 922 | 0 | 239 | 562 | 183 | -0.069 | 0 | 402 | 816 | 193 | 0.037 | -1.591 |
| 0 | 114 | 915 | 210 | 244 | -2 | 290 | 0 | 240 | 537 | 181 | -0.076 | 0 | 403 | 898 | 224 | -0.180 | -1.610 |
| 0 | 115 | 816 | 202 | 137 | -1 | 482 | 0 | 241 | 523 | 143 | -0.015 | 0 | 404 | 890 | 214 | -0.056 | -1.675 |
| 0 | 116 | 867 | 198 | 323 | -1 | 582 | 0 | 242 | 463 | 132 | -0.063 | 0 | 405 | 708 | 276 | -0.491 | -1.610 |
| 0 | 120 | 780 | 194 | 144 | -1 | 399 | 0 | 244 | 471 | 136 | -0.001 | 0 | 501 | 012 | 248 | -0.073 | -1.806 |
| 0 | 121 | 783 | 193 | 206 | -1 | 353 | 0 | 244 | 471 | 142 | -0.067 | 0 | 502 | 030 | 233 | -0.232 | -1.730 |
| 0 | 123 | 828 | 209 | 284 | -1 | 499 | 0 | 244 | 493 | 142 | -0.003 | 0 | 503 | 083 | 266 | -0.340 | -2.069 |
| 0 | 126 | 819 | 194 | 264 | -1 | 970 | 0 | 246 | 504 | 130 | -0.008 | 0 | 504 | 070 | 241 | -0.313 | -2.200 |
| 0 | 130 | 769 | 189 | 130 | -1 | 688 | 0 | 247 | 688 | 183 | -0.003 | 0 | 505 | 910 | 226 | -0.127 | -1.639 |
| 0 | 131 | 811 | 193 | 145 | -1 | 437 | 0 | 248 | 560 | 191 | -0.022 | 0 | 506 | 044 | 276 | -0.022 | -2.149 |
| 0 | 133 | 761 | 190 | 149 | -1 | 305 | 0 | 248 | 505 | 132 | -0.071 | 0 | 507 | 054 | 259 | -0.370 | -2.391 |
| 0 | 136 | 804 | 203 | 135 | -1 | 333 | 0 | 250 | 475 | 148 | -0.036 | 0 | 508 | 163 | 299 | -0.333 | -2.352 |
| 0 | 201 | 503 | 183 | 151 | -1 | 130 | 0 | 251 | 455 | 149 | -0.037 | 0 | 509 | 227 | 335 | -0.227 | -2.620 |
| 0 | 202 | 479 | 163 | 177 | -1 | 108 | 0 | 253 | 450 | 139 | -0.069 | 0 | 901 | 151 | 243 | -0.304 | -2.138 |
| 0 | 203 | 545 | 196 | 139 | -1 | 437 | 0 | 253 | 447 | 131 | -0.063 | 0 | 902 | 085 | 215 | -0.445 | -2.093 |
| 0 | 204 | 606 | 166 | 037 | -1 | 338 | 0 | 253 | 463 | 144 | -0.184 | 0 | 903 | 188 | 311 | -0.337 | -2.379 |
| 0 | 205 | 581 | 163 | 061 | -1 | 650 | 0 | 253 | 458 | 136 | -0.015 | 0 | 904 | 017 | 196 | -0.313 | -1.663 |
| 0 | 206 | 599 | 170 | 033 | -1 | 170 | 0 | 253 | 624 | 211 | -1.176 | 0 | 905 | 098 | 214 | -0.383 | -1.780 |
| 0 | 207 | 599 | 188 | 072 | -1 | 265 | 0 | 253 | 521 | 138 | -0.064 | 0 | 906 | 463 | 536 | -0.363 | -3.526 |
| 0 | 208 | 605 | 151 | 042 | -1 | 459 | 0 | 253 | 459 | 135 | -0.090 | 0 | 907 | 182 | 381 | -0.649 | -3.526 |
| 0 | 209 | 606 | 166 | 063 | -1 | 476 | 0 | 253 | 452 | 146 | -0.001 | 0 | 908 | 229 | 381 | -0.071 | -3.492 |
| 0 | 210 | 503 | 171 | 127 | -1 | 153 | 0 | 256 | 422 | 137 | -0.015 | 0 | 909 | 237 | 266 | -0.937 | -2.733 |
| 0 | 211 | 514 | 152 | 018 | -1 | 99 | 0 | 256 | 416 | 145 | -0.050 | 0 | 910 | 124 | 236 | -0.470 | -2.038 |
| 0 | 212 | 525 | 157 | 041 | -1 | 213 | 0 | 256 | 406 | 133 | -0.097 | 0 | 911 | 082 | 233 | -0.479 | -2.025 |
| 0 | 213 | 556 | 166 | 051 | -1 | 244 | 0 | 256 | 443 | 133 | -0.172 | 0 | 912 | 159 | 267 | -0.430 | -2.297 |
| 0 | 214 | 501 | 160 | 017 | -1 | 089 | 0 | 256 | 422 | 131 | -0.036 | 0 | 913 | 029 | 215 | -0.384 | -2.218 |
| 0 | 215 | 495 | 160 | 170 | -1 | 333 | 0 | 256 | 518 | 188 | -0.046 | 0 | 914 | 067 | 173 | -0.441 | -1.645 |
| 0 | 216 | 538 | 163 | 001 | -1 | 177 | 0 | 256 | 515 | 181 | -0.031 | 0 | 915 | 196 | 234 | -0.524 | -2.133 |
| 0 | 217 | 570 | 149 | 096 | -1 | 133 | 0 | 256 | 472 | 160 | -0.036 | 0 | 916 | 387 | 374 | -0.332 | -3.173 |
| 0 | 218 | 570 | 135 | 212 | -1 | 202 | 0 | 256 | 459 | 153 | -0.187 | 0 | 917 | 406 | 693 | -0.238 | -3.530 |
| 0 | 219 | 573 | 135 | 080 | -1 | 244 | 0 | 256 | 428 | 153 | -0.147 | 0 | 918 | 295 | 578 | -0.213 | -3.530 |
| 0 | 220 | 490 | 155 | 086 | -1 | 191 | 0 | 277 | 459 | 144 | -0.060 | 0 | 919 | 141 | 257 | -0.031 | -2.819 |
| 0 | 221 | 487 | 162 | 039 | -1 | 124 | 0 | 277 | 422 | 143 | -0.037 | 0 | 920 | 990 | 237 | -0.309 | -2.050 |
| 0 | 222 | 480 | 148 | 027 | -1 | 141 | 0 | 277 | 446 | 133 | -0.003 | 0 | 921 | 001 | 217 | -0.138 | -1.961 |
| 0 | 223 | 471 | 133 | 173 | -1 | 97 | 0 | 277 | 463 | 133 | -0.041 | 0 | 922 | 008 | 212 | -0.421 | -1.992 |
| 0 | 224 | 491 | 137 | 020 | -1 | 266 | 0 | 300 | 603 | 222 | -1.489 | 0 | 923 | 917 | 202 | -0.290 | -2.053 |
| 0 | 225 | 505 | 147 | 018 | -1 | 017 | 0 | 300 | 495 | 187 | -1.182 | 0 | 924 | 084 | 201 | -0.490 | -2.020 |
| 0 | 226 | 537 | 146 | 011 | -1 | 016 | 0 | 303 | 640 | 206 | -1.211 | 0 | 925 | 194 | 214 | -0.502 | -2.025 |

| WD | TAP | CPHEAN | CPRMS | CPHAX | CPHIN | WD | TAP | CPHEAN | CPRMS | CPHAX | CPHIN | WD | TAP | CPHEAN | CPRMS | CPHAX | CPHIN |
|----|------|--------|-------|--------|--------|----|------|--------|-------|--------|--------|----|------|--------|-------|--------|--------|
| 0 | 926 | -1.138 | .313 | -2.219 | -2.351 | 0 | 1245 | -.751 | .202 | -1.163 | -1.441 | 0 | 1941 | -.764 | .174 | -1.164 | -1.280 |
| 0 | 927 | -.832 | .274 | -3.343 | -2.093 | 0 | 1248 | -.765 | .203 | -1.194 | -1.446 | 0 | 1942 | -.787 | .184 | -1.261 | -1.462 |
| 0 | 928 | -1.133 | .268 | -1.150 | -2.240 | 0 | 1249 | -.743 | .174 | -1.161 | -1.500 | 0 | 1943 | -.784 | .167 | -1.244 | -1.335 |
| 0 | 929 | -.931 | .251 | -.061 | -2.030 | 0 | 1250 | -.743 | .169 | -1.192 | -1.232 | 0 | 1944 | -.780 | .203 | -1.138 | -1.454 |
| 0 | 930 | -.928 | .224 | -.070 | -1.933 | 0 | 1251 | -.760 | .181 | -1.236 | -1.374 | 0 | 1945 | -.784 | .201 | -1.107 | -1.486 |
| 0 | 931 | -.948 | .223 | -.163 | -1.716 | 0 | 1252 | -.773 | .177 | -1.265 | -1.517 | 0 | 1946 | -.802 | .193 | -1.134 | -1.353 |
| 0 | 932 | -.877 | .223 | -.013 | -1.896 | 0 | 1253 | -.737 | .182 | -1.158 | -1.389 | 13 | 101 | -.686 | .162 | -1.221 | -1.333 |
| 0 | 933 | -.984 | .197 | -.231 | -2.038 | 0 | 1254 | -.781 | .178 | -1.206 | -1.417 | 13 | 102 | -.703 | .162 | -1.232 | -1.231 |
| 0 | 934 | -1.012 | .251 | -.197 | -1.113 | 0 | 1255 | -.756 | .193 | -1.003 | -1.436 | 13 | 103 | -.721 | .183 | -1.194 | -1.568 |
| 0 | 935 | -.919 | .282 | -.079 | -2.223 | 0 | 1258 | -.738 | .173 | -1.168 | -1.288 | 13 | 104 | -.740 | .188 | -1.132 | -1.582 |
| 0 | 936 | -.993 | .287 | -.111 | -2.346 | 0 | 1259 | -.730 | .189 | -1.059 | -1.331 | 13 | 105 | -.735 | .190 | -1.173 | -1.541 |
| 0 | 937 | -1.033 | .262 | -.133 | -2.103 | 0 | 1260 | -.739 | .171 | -1.222 | -1.327 | 13 | 106 | -.655 | .151 | -1.171 | -1.221 |
| 0 | 938 | -.832 | .258 | -.056 | -2.106 | 0 | 1261 | -.730 | .173 | -1.161 | -1.289 | 13 | 107 | -.666 | .153 | -1.203 | -1.204 |
| 0 | 939 | -.821 | .249 | -.284 | -1.946 | 0 | 1262 | -.730 | .204 | -1.034 | -1.432 | 13 | 108 | -.686 | .165 | -1.212 | -1.229 |
| 0 | 940 | -.888 | .243 | -.011 | -2.054 | 0 | 1263 | -.733 | .193 | -1.142 | -1.432 | 13 | 109 | -.695 | .181 | -1.117 | -1.522 |
| 0 | 941 | -.702 | .263 | -.112 | -1.513 | 0 | 1266 | -.752 | .205 | -1.168 | -1.671 | 13 | 110 | -.706 | .179 | -1.151 | -1.339 |
| 0 | 942 | -.844 | .212 | -.112 | -1.864 | 0 | 1267 | -.754 | .204 | -1.213 | -1.423 | 13 | 111 | -.691 | .160 | -1.232 | -1.267 |
| 0 | 943 | -.867 | .237 | -.230 | -2.224 | 0 | 1268 | -.747 | .176 | -1.113 | -1.410 | 13 | 112 | -.672 | .144 | -1.173 | -1.198 |
| 0 | 944 | -1.069 | .336 | -.102 | -2.423 | 0 | 1269 | -.731 | .206 | -1.180 | -1.363 | 13 | 113 | -.672 | .173 | -1.269 | -1.386 |
| 0 | 945 | -.073 | .346 | -.084 | -2.512 | 0 | 1270 | -.763 | .201 | -1.194 | -1.441 | 13 | 114 | -.706 | .185 | -1.143 | -1.497 |
| 0 | 946 | -.887 | .231 | -.065 | -1.883 | 0 | 1271 | -.693 | .170 | -1.123 | -1.279 | 13 | 115 | -.637 | .153 | -1.157 | -1.137 |
| 0 | 1107 | -.793 | .176 | -.049 | -1.289 | 0 | 1272 | -.732 | .180 | -1.161 | -1.399 | 13 | 116 | -.640 | .159 | -1.116 | -1.163 |
| 0 | 1109 | -.761 | .176 | -.103 | -1.282 | 0 | 1303 | -.777 | .201 | -1.073 | -1.369 | 13 | 120 | -.638 | .166 | -1.121 | -1.256 |
| 0 | 1109 | -.824 | .199 | -.143 | -1.442 | 0 | 1305 | -.823 | .210 | -1.242 | -1.474 | 13 | 121 | -.621 | .139 | -1.123 | -1.118 |
| 0 | 1110 | -.751 | .182 | -.069 | -1.282 | 0 | 1307 | -.737 | .188 | -1.050 | -1.392 | 13 | 123 | -.630 | .132 | -1.134 | -1.183 |
| 0 | 1111 | -.886 | .194 | -.200 | -1.339 | 0 | 1309 | -.753 | .180 | -1.230 | -1.401 | 13 | 126 | -.666 | .180 | -1.177 | -1.581 |
| 0 | 1116 | -.801 | .182 | -.218 | -1.490 | 0 | 1311 | -.693 | .169 | -1.153 | -1.339 | 13 | 130 | -.657 | .161 | -1.173 | -1.256 |
| 0 | 1121 | -.748 | .174 | -.228 | -1.287 | 0 | 1313 | -.774 | .157 | -1.302 | -1.394 | 13 | 131 | -.671 | .178 | -1.028 | -1.410 |
| 0 | 1126 | -.786 | .184 | -.280 | -1.332 | 0 | 1911 | -.641 | .186 | -1.122 | -1.282 | 13 | 135 | -.643 | .173 | -1.020 | -1.386 |
| 0 | 1136 | -.800 | .197 | -.163 | -1.304 | 0 | 1913 | -.760 | .179 | -1.042 | -1.304 | 13 | 136 | -.671 | .162 | -1.141 | -1.249 |
| 0 | 1221 | -.709 | .173 | -.167 | -1.301 | 0 | 1914 | -.738 | .176 | -1.129 | -1.392 | 13 | 201 | -.617 | .175 | -1.000 | -1.359 |
| 0 | 1222 | -.714 | .184 | -.115 | -1.311 | 0 | 1915 | -.793 | .187 | -1.278 | -1.485 | 13 | 202 | -.606 | .169 | -1.056 | -1.360 |
| 0 | 1223 | -.731 | .184 | -.160 | -1.301 | 0 | 1916 | -.764 | .184 | -1.107 | -1.306 | 13 | 203 | -.675 | .221 | -1.108 | -1.986 |
| 0 | 1224 | -.748 | .187 | -.165 | -1.303 | 0 | 1917 | -.774 | .173 | -1.223 | -1.339 | 13 | 204 | -.604 | .157 | -1.095 | -1.166 |
| 0 | 1225 | -.742 | .185 | -.104 | -1.343 | 0 | 1918 | -.774 | .193 | -1.127 | -1.401 | 13 | 205 | -.591 | .159 | -1.084 | -1.141 |
| 0 | 1226 | -.745 | .205 | -.130 | -1.443 | 0 | 1921 | -.776 | .181 | -1.289 | -1.331 | 13 | 206 | -.622 | .141 | -1.154 | -1.216 |
| 0 | 1227 | -.764 | .211 | -.132 | -1.412 | 0 | 1923 | -.792 | .191 | -1.278 | -1.437 | 13 | 207 | -.630 | .146 | -1.169 | -1.197 |
| 0 | 1230 | -.748 | .188 | -.215 | -1.473 | 0 | 1924 | -.795 | .194 | -1.198 | -1.486 | 13 | 208 | -.670 | .146 | -1.086 | -1.078 |
| 0 | 1231 | -.747 | .166 | -.282 | -1.420 | 0 | 1925 | -.791 | .179 | -1.273 | -1.392 | 13 | 209 | -.630 | .141 | -1.215 | -1.275 |
| 0 | 1232 | -.744 | .197 | -.025 | -1.420 | 0 | 1926 | -.787 | .198 | -1.150 | -1.493 | 13 | 210 | -.610 | .166 | -1.170 | -1.351 |
| 0 | 1233 | -.773 | .186 | -.130 | -1.463 | 0 | 1927 | -.785 | .184 | -1.193 | -1.443 | 13 | 211 | -.670 | .144 | -1.084 | -1.044 |
| 0 | 1234 | -.789 | .188 | -.227 | -1.398 | 0 | 1928 | -.777 | .169 | -1.174 | -1.318 | 13 | 212 | -.671 | .156 | -1.022 | -1.220 |
| 0 | 1235 | -.794 | .194 | -.272 | -1.367 | 0 | 1930 | -.771 | .169 | -1.289 | -1.322 | 13 | 213 | -.628 | .146 | -1.099 | -1.137 |
| 0 | 1236 | -.782 | .208 | -.035 | -1.456 | 0 | 1932 | -.786 | .188 | -1.191 | -1.363 | 13 | 214 | -.628 | .155 | -1.014 | -1.114 |
| 0 | 1239 | -.768 | .209 | -.123 | -1.324 | 0 | 1933 | -.771 | .167 | -1.253 | -1.332 | 13 | 215 | -.689 | .167 | -1.029 | -1.194 |
| 0 | 1240 | -.779 | .195 | -.111 | -1.387 | 0 | 1934 | -.773 | .170 | -1.265 | -1.346 | 13 | 216 | -.659 | .146 | -1.167 | -1.484 |
| 0 | 1241 | -.758 | .191 | -.225 | -1.463 | 0 | 1935 | -.811 | .216 | -1.206 | -1.466 | 13 | 217 | -.626 | .150 | -1.032 | -1.162 |
| 0 | 1242 | -.731 | .176 | -.092 | -1.284 | 0 | 1936 | -.771 | .207 | -1.176 | -1.407 | 13 | 218 | -.603 | .133 | -1.034 | -1.012 |
| 0 | 1243 | -.766 | .198 | -.142 | -1.353 | 0 | 1937 | -.760 | .183 | -1.266 | -1.373 | 13 | 219 | -.666 | .143 | -1.124 | -1.062 |
| 0 | 1244 | -.757 | .168 | -.217 | -1.282 | 0 | 1939 | -.798 | .214 | -1.206 | -1.404 | 13 | 220 | -.662 | .134 | -1.063 | -1.069 |

| NO | TAP | CPNEAN | CPNRS | CPNAX | CPNIN | NO | TAP | CPNEAN | CPNRS | CPNAX | CPNIN | NO | TAP | CPNEAN | CPNRS | CPNAX | CPNIN |
|----|-----|--------|-------|-------|--------|----|-----|--------|-------|-------|--------|----|-------|--------|-------|-------|--------|
| 15 | 221 | -.390 | .152 | -.020 | -1.070 | 15 | 271 | -.302 | .153 | -.013 | -1.088 | 15 | 920 | -.857 | .224 | -.242 | -2.030 |
| 15 | 222 | -.333 | .139 | -.103 | -1.045 | 15 | 272 | -.309 | .153 | -.001 | -1.090 | 15 | 921 | -.797 | .191 | -.182 | -1.635 |
| 15 | 223 | -.341 | .149 | -.016 | -.969 | 15 | 273 | -.316 | .153 | .056 | -1.179 | 15 | 922 | -.777 | .202 | -.084 | -1.942 |
| 15 | 224 | -.371 | .142 | -.069 | -1.066 | 15 | 301 | -.493 | .195 | 1.173 | -.205 | 15 | 923 | -.696 | .191 | -.044 | -1.378 |
| 15 | 225 | -.392 | .150 | -.072 | -1.108 | 15 | 302 | -.493 | .201 | 1.028 | -.267 | 15 | 924 | -.966 | .217 | -.324 | -2.083 |
| 15 | 226 | -.390 | .131 | -.176 | -1.082 | 15 | 303 | -.736 | .207 | 1.387 | -.094 | 15 | 925 | -.089 | .251 | -.315 | -1.950 |
| 15 | 227 | -.372 | .137 | -.167 | -1.117 | 15 | 304 | -.648 | .180 | 1.274 | -.063 | 15 | 926 | -.919 | .323 | -.064 | -2.119 |
| 15 | 228 | -.360 | .132 | -.135 | -.990 | 15 | 305 | -.715 | .209 | 1.387 | -.049 | 15 | 927 | -.851 | .238 | -.715 | -2.361 |
| 15 | 229 | -.344 | .164 | -.165 | -.970 | 15 | 306 | -.683 | .182 | 1.372 | -.117 | 15 | 928 | -.980 | .192 | -.406 | -2.020 |
| 15 | 230 | -.330 | .143 | -.087 | -1.021 | 15 | 307 | -.632 | .191 | 1.299 | -.060 | 15 | 929 | -.836 | .224 | -.023 | -1.860 |
| 15 | 231 | -.332 | .124 | -.067 | -.952 | 15 | 308 | -.631 | .178 | 1.257 | -.030 | 15 | 930 | -.794 | .193 | -.092 | -1.640 |
| 15 | 232 | -.333 | .125 | -.170 | -.970 | 15 | 309 | -.587 | .186 | 1.377 | -.112 | 15 | 931 | -.794 | .198 | -.212 | -1.750 |
| 15 | 233 | -.368 | .148 | -.136 | -1.054 | 15 | 310 | -.581 | .171 | 1.173 | -.027 | 15 | 932 | -.600 | .218 | -.232 | -1.317 |
| 15 | 234 | -.382 | .134 | -.100 | -.998 | 15 | 311 | -.607 | .195 | 1.145 | -.081 | 15 | 933 | -.794 | .213 | -.177 | -1.721 |
| 15 | 235 | -.388 | .136 | -.143 | -.999 | 15 | 312 | -.612 | .194 | 1.173 | -.014 | 15 | 934 | -.779 | .252 | -.035 | -1.721 |
| 15 | 236 | -.366 | .127 | -.172 | -.097 | 15 | 313 | -.670 | .196 | 1.242 | -.096 | 15 | 935 | -.831 | .240 | -.064 | -2.549 |
| 15 | 237 | -.366 | .144 | -.002 | -1.073 | 15 | 314 | -.632 | .198 | 1.358 | -.054 | 15 | 936 | -.952 | .235 | -.198 | -1.966 |
| 15 | 238 | -.399 | .148 | -.002 | -1.232 | 15 | 401 | -.478 | .462 | 1.231 | -.966 | 15 | 937 | -.933 | .177 | -.139 | -1.572 |
| 15 | 239 | -.311 | .155 | -.166 | -1.084 | 15 | 402 | -.339 | .216 | 1.317 | -.365 | 15 | 938 | -.823 | .216 | -.153 | -1.591 |
| 15 | 240 | -.318 | .130 | -.014 | -.938 | 15 | 403 | -.784 | .242 | 1.230 | -.111 | 15 | 939 | -.814 | .221 | -.012 | -2.187 |
| 15 | 241 | -.320 | .142 | -.117 | -1.017 | 15 | 404 | -.596 | .245 | 1.016 | -.504 | 15 | 940 | -.808 | .217 | -.067 | -2.014 |
| 15 | 242 | -.321 | .150 | -.055 | -.963 | 15 | 405 | -.515 | .249 | 1.449 | -.111 | 15 | 941 | -.352 | .215 | -.345 | -1.608 |
| 15 | 243 | -.322 | .140 | -.094 | -.982 | 15 | 501 | -.988 | .191 | 1.428 | -.707 | 15 | 942 | -.792 | .227 | -.035 | -1.830 |
| 15 | 244 | -.333 | .137 | -.096 | -1.076 | 15 | 502 | -.987 | .168 | 1.394 | -.552 | 15 | 943 | -.961 | .283 | -.047 | -2.173 |
| 15 | 245 | -.330 | .136 | -.093 | -.978 | 15 | 503 | -.900 | .178 | 1.087 | -.536 | 15 | 944 | -.081 | .388 | -.042 | -3.247 |
| 15 | 246 | -.333 | .125 | -.059 | -.951 | 15 | 504 | -.944 | .189 | 1.333 | -2.555 | 15 | 945 | -.968 | .243 | -.359 | -2.074 |
| 15 | 247 | -.333 | .188 | -.011 | -1.516 | 15 | 505 | -.021 | .195 | 1.171 | -2.664 | 15 | 946 | -.961 | .199 | -.245 | -1.701 |
| 15 | 248 | -.498 | .150 | -.015 | -1.026 | 15 | 506 | -.942 | .189 | 1.387 | -2.010 | 15 | 1107 | -.660 | .147 | -.245 | -1.154 |
| 15 | 249 | -.444 | .144 | -.036 | -.889 | 15 | 507 | -.922 | .186 | 1.262 | -1.800 | 15 | 1108 | -.662 | .151 | -.119 | -1.131 |
| 15 | 250 | -.467 | .128 | -.096 | -.889 | 15 | 508 | -.980 | .186 | 1.287 | -1.780 | 15 | 1109 | -.659 | .171 | -.014 | -1.303 |
| 15 | 251 | -.494 | .132 | -.055 | -.936 | 15 | 509 | -.970 | .193 | 1.369 | -2.131 | 15 | 1110 | -.673 | .172 | -.083 | -1.310 |
| 15 | 252 | -.481 | .139 | -.001 | -.905 | 15 | 901 | -.803 | .276 | 1.160 | -2.425 | 15 | 1111 | -.672 | .162 | -.194 | -1.250 |
| 15 | 253 | -.531 | .143 | -.084 | -1.007 | 15 | 902 | -.803 | .180 | 1.267 | -1.582 | 15 | 1112 | -.662 | .154 | -.161 | -1.262 |
| 15 | 254 | -.469 | .144 | -.045 | -.943 | 15 | 903 | -.915 | .339 | 1.290 | -2.595 | 15 | 11121 | -.640 | .138 | -.094 | -1.138 |
| 15 | 255 | -.469 | .140 | -.095 | -1.032 | 15 | 904 | -.857 | .194 | 1.192 | -1.570 | 15 | 11126 | -.670 | .165 | -.248 | -1.294 |
| 15 | 256 | -.525 | .171 | -.074 | -1.053 | 15 | 905 | -.114 | .255 | 1.438 | -2.343 | 15 | 11136 | -.681 | .161 | -.147 | -1.237 |
| 15 | 257 | -.433 | .160 | -.084 | -1.093 | 15 | 906 | -.886 | .707 | 1.333 | -3.651 | 15 | 1221 | -.646 | .166 | -.002 | -1.171 |
| 15 | 258 | -.459 | .136 | -.075 | -.952 | 15 | 907 | -.120 | .425 | 1.583 | -3.420 | 15 | 1222 | -.647 | .166 | -.186 | -1.260 |
| 15 | 259 | -.459 | .162 | -.177 | -1.089 | 15 | 908 | -.289 | .338 | 1.148 | -2.702 | 15 | 1223 | -.641 | .169 | -.109 | -1.167 |
| 15 | 260 | -.433 | .151 | -.218 | -.892 | 15 | 909 | -.011 | .276 | 1.905 | -1.237 | 15 | 1224 | -.665 | .165 | -.113 | -1.230 |
| 15 | 261 | -.456 | .147 | -.003 | -1.000 | 15 | 910 | -.937 | .207 | 1.319 | -1.700 | 15 | 1225 | -.658 | .165 | -.116 | -1.223 |
| 15 | 262 | -.525 | .147 | -.035 | -.953 | 15 | 911 | -.822 | .229 | 1.273 | -.907 | 15 | 1226 | -.653 | .147 | -.186 | -1.144 |
| 15 | 263 | -.508 | .146 | -.033 | -.954 | 15 | 912 | -.821 | .197 | 1.239 | -.777 | 15 | 1227 | -.634 | .159 | -.161 | -1.149 |
| 15 | 264 | -.467 | .142 | -.002 | -.945 | 15 | 913 | -.792 | .258 | 1.073 | -.074 | 15 | 1230 | -.650 | .163 | -.115 | -1.371 |
| 15 | 265 | -.531 | .157 | -.009 | -1.125 | 15 | 914 | -.932 | .202 | 1.272 | -.784 | 15 | 1231 | -.610 | .143 | -.163 | -1.167 |
| 15 | 266 | -.446 | .136 | -.018 | -.895 | 15 | 915 | -.125 | .489 | 1.489 | -3.654 | 15 | 1232 | -.641 | .156 | -.113 | -1.332 |
| 15 | 267 | -.450 | .141 | -.097 | -.880 | 15 | 916 | -.442 | .359 | 1.573 | -2.206 | 15 | 1233 | -.634 | .168 | -.091 | -1.192 |
| 15 | 268 | -.460 | .146 | -.229 | -.860 | 15 | 917 | -.563 | .353 | 1.442 | -3.654 | 15 | 1234 | -.661 | .168 | -.109 | -1.171 |
| 15 | 269 | -.498 | .139 | -.004 | -1.007 | 15 | 918 | -.986 | .556 | 1.179 | -.127 | 15 | 1235 | -.614 | .165 | -.072 | -1.214 |
| 15 | 270 | -.543 | .136 | -.085 | -1.045 | 15 | 919 | -.007 | .254 | 1.675 | -.989 | 15 | 1236 | -.646 | .163 | -.168 | -1.200 |

| UD | TAP | CPNEAN | CPRNS | CPMAX | CPMIN | UD | TAP | CPNEAN | CPRNS | CPMAX | CPMIN | UD | TAP | CPNEAN | CPRNS | CPMAX | CPMIN |
|----|------|--------|-------|-------|--------|----|------|--------|-------|-------|--------|----|-----|--------|-------|-------|--------|
| 1 | 1239 | .623 | .157 | .163 | -1.307 | 13 | 1933 | .648 | .154 | .232 | -1.345 | 30 | 215 | .744 | .216 | .170 | -1.934 |
| 1 | 1240 | .643 | .153 | .104 | -1.162 | 13 | 1934 | .692 | .155 | .208 | -1.280 | 30 | 216 | .757 | .169 | .242 | -1.485 |
| 1 | 1241 | .660 | .166 | .049 | -1.259 | 13 | 1935 | .658 | .172 | .133 | -1.312 | 30 | 217 | .785 | .142 | .323 | -1.270 |
| 1 | 1242 | .640 | .162 | .120 | -1.114 | 13 | 1936 | .671 | .181 | .147 | -1.365 | 30 | 218 | .681 | .135 | .087 | -1.122 |
| 1 | 1243 | .636 | .172 | .037 | -1.214 | 13 | 1937 | .656 | .154 | .028 | -1.328 | 30 | 219 | .699 | .124 | .302 | -1.110 |
| 1 | 1244 | .637 | .152 | .136 | -1.169 | 13 | 1939 | .674 | .164 | .018 | -1.209 | 30 | 220 | .646 | .144 | .141 | -1.212 |
| 1 | 1245 | .637 | .162 | .140 | -1.200 | 13 | 1941 | .678 | .148 | .176 | -1.177 | 30 | 221 | .634 | .141 | .149 | -1.203 |
| 1 | 1248 | .638 | .194 | .140 | -1.233 | 13 | 1942 | .636 | .157 | .113 | -1.225 | 30 | 222 | .612 | .126 | .220 | -1.072 |
| 1 | 1249 | .660 | .160 | .213 | -1.101 | 13 | 1943 | .663 | .162 | .083 | -1.186 | 30 | 223 | .607 | .146 | .062 | -1.404 |
| 1 | 1250 | .647 | .149 | .030 | -1.153 | 13 | 1944 | .664 | .151 | .179 | -1.150 | 30 | 224 | .683 | .149 | .187 | -1.212 |
| 1 | 1251 | .620 | .151 | .084 | -1.099 | 13 | 1945 | .693 | .180 | .122 | -1.328 | 30 | 225 | .728 | .139 | .244 | -1.224 |
| 1 | 1252 | .665 | .164 | .053 | -1.382 | 13 | 1946 | .664 | .155 | .124 | -1.310 | 30 | 226 | .702 | .129 | .300 | -1.179 |
| 1 | 1253 | .644 | .161 | .147 | -1.219 | 30 | 101 | .674 | .153 | .062 | -1.243 | 30 | 227 | .683 | .127 | .149 | -1.055 |
| 1 | 1254 | .658 | .162 | .172 | -1.184 | 30 | 102 | .676 | .141 | .221 | -1.187 | 30 | 228 | .666 | .121 | .280 | -1.117 |
| 1 | 1257 | .654 | .159 | .183 | -1.277 | 30 | 103 | .660 | .138 | .233 | -1.227 | 30 | 229 | .672 | .139 | .141 | -1.092 |
| 1 | 1258 | .643 | .159 | .159 | -1.184 | 30 | 104 | .663 | .140 | .228 | -1.363 | 30 | 230 | .647 | .135 | .222 | -1.088 |
| 1 | 1259 | .630 | .171 | .143 | -1.252 | 30 | 105 | .684 | .148 | .240 | -1.228 | 30 | 231 | .642 | .138 | .042 | -1.177 |
| 1 | 1260 | .626 | .165 | .009 | -1.289 | 30 | 106 | .643 | .135 | .218 | -1.114 | 30 | 232 | .659 | .127 | .278 | -1.103 |
| 1 | 1261 | .648 | .166 | .149 | -1.203 | 30 | 107 | .663 | .145 | .033 | -1.208 | 30 | 233 | .674 | .123 | .121 | -1.121 |
| 1 | 1262 | .615 | .162 | .074 | -1.124 | 30 | 108 | .665 | .141 | .190 | -1.183 | 30 | 234 | .666 | .133 | .229 | -1.097 |
| 1 | 1263 | .629 | .166 | .097 | -1.230 | 30 | 109 | .633 | .131 | .287 | -1.040 | 30 | 235 | .681 | .124 | .202 | -1.139 |
| 1 | 1266 | .632 | .155 | .081 | -1.099 | 30 | 110 | .664 | .133 | .204 | -1.166 | 30 | 236 | .666 | .126 | .233 | -1.055 |
| 1 | 1267 | .636 | .161 | .129 | -1.126 | 30 | 111 | .662 | .149 | .255 | -1.163 | 30 | 237 | .667 | .127 | .197 | -1.173 |
| 1 | 1268 | .630 | .173 | .061 | -1.439 | 30 | 112 | .655 | .150 | .144 | -1.166 | 30 | 238 | .630 | .149 | .019 | -1.261 |
| 1 | 1269 | .697 | .185 | .159 | -1.429 | 30 | 113 | .668 | .137 | .183 | -1.160 | 30 | 239 | .611 | .138 | .107 | -1.166 |
| 1 | 1270 | .648 | .159 | .041 | -1.239 | 30 | 114 | .677 | .145 | .187 | -1.191 | 30 | 240 | .619 | .134 | .146 | -1.063 |
| 1 | 1271 | .643 | .171 | .032 | -1.289 | 30 | 115 | .609 | .145 | .140 | -1.185 | 30 | 241 | .634 | .128 | .256 | -1.054 |
| 1 | 1272 | .623 | .155 | .022 | -1.162 | 30 | 116 | .623 | .140 | .215 | -1.076 | 30 | 242 | .629 | .134 | .053 | -1.019 |
| 1 | 1303 | .669 | .173 | .087 | -1.381 | 30 | 120 | .580 | .145 | .045 | -1.079 | 30 | 243 | .670 | .129 | .276 | -1.112 |
| 1 | 1305 | .644 | .156 | .083 | -1.251 | 30 | 121 | .580 | .151 | .068 | -1.096 | 30 | 244 | .658 | .129 | .222 | -1.099 |
| 1 | 1307 | .644 | .162 | .151 | -1.262 | 30 | 125 | .573 | .146 | .123 | -1.162 | 30 | 245 | .630 | .129 | .155 | -1.141 |
| 1 | 1309 | .632 | .171 | .089 | -1.431 | 30 | 126 | .601 | .150 | .019 | -1.091 | 30 | 246 | .637 | .137 | .140 | -1.034 |
| 1 | 1311 | .588 | .156 | .122 | -1.131 | 30 | 130 | .581 | .153 | .166 | -1.175 | 30 | 247 | .603 | .137 | .076 | -1.065 |
| 1 | 1313 | .670 | .184 | .067 | -1.251 | 30 | 131 | .597 | .152 | .044 | -1.102 | 30 | 248 | .553 | .139 | .011 | -.992 |
| 1 | 1911 | .366 | .166 | .012 | -1.999 | 30 | 135 | .583 | .151 | .087 | -1.099 | 30 | 249 | .571 | .141 | .040 | -1.026 |
| 1 | 1913 | .640 | .157 | .176 | -1.321 | 30 | 136 | .605 | .150 | .138 | -1.166 | 30 | 250 | .581 | .136 | .102 | -1.046 |
| 1 | 1914 | .608 | .167 | .133 | -1.207 | 30 | 201 | .666 | .171 | .141 | -1.559 | 30 | 251 | .601 | .147 | .117 | -1.043 |
| 1 | 1915 | .639 | .158 | .170 | -1.230 | 30 | 202 | .625 | .148 | .192 | -1.797 | 30 | 252 | .621 | .134 | .109 | -1.065 |
| 1 | 1916 | .621 | .168 | .021 | -1.296 | 30 | 203 | .607 | .161 | .035 | -1.142 | 30 | 253 | .604 | .135 | .113 | -1.105 |
| 1 | 1917 | .667 | .164 | .066 | -1.292 | 30 | 204 | .716 | .153 | .230 | -1.317 | 30 | 254 | .617 | .124 | .129 | -1.048 |
| 1 | 1918 | .684 | .174 | .137 | -1.333 | 30 | 205 | .705 | .125 | .275 | -1.214 | 30 | 255 | .559 | .136 | .084 | -1.043 |
| 1 | 1921 | .647 | .151 | .094 | -1.225 | 30 | 206 | .739 | .135 | .300 | -1.214 | 30 | 256 | .558 | .137 | .042 | -.980 |
| 1 | 1923 | .674 | .160 | .160 | -1.196 | 30 | 207 | .773 | .149 | .185 | -1.249 | 30 | 257 | .517 | .132 | .047 | -.954 |
| 1 | 1924 | .682 | .162 | .181 | -1.259 | 30 | 208 | .710 | .142 | .322 | -1.227 | 30 | 258 | .517 | .138 | .018 | -1.014 |
| 1 | 1925 | .670 | .169 | .147 | -1.182 | 30 | 209 | .740 | .151 | .149 | -1.364 | 30 | 259 | .536 | .146 | .073 | -.992 |
| 1 | 1926 | .646 | .175 | .110 | -1.232 | 30 | 210 | .676 | .156 | .268 | -1.514 | 30 | 260 | .573 | .138 | .053 | -1.005 |
| 1 | 1927 | .668 | .162 | .140 | -1.233 | 30 | 211 | .639 | .159 | .195 | -1.187 | 30 | 261 | .563 | .150 | .038 | -1.055 |
| 1 | 1928 | .651 | .162 | .131 | -1.214 | 30 | 212 | .614 | .146 | .132 | -1.065 | 30 | 262 | .613 | .127 | .140 | -1.101 |
| 1 | 1930 | .665 | .165 | .034 | -1.315 | 30 | 213 | .608 | .144 | .179 | -1.355 | 30 | 263 | .558 | .131 | .126 | -.977 |
| 1 | 1932 | .668 | .162 | .074 | -1.296 | 30 | 214 | .624 | .163 | .069 | -1.580 | 30 | 264 | .559 | .129 | .076 | -1.018 |

| NO | TAP | CPNEAN | CPRNS | CPMAX | CPMIN | NO | TAP | CPNEAN | CPRNS | CPMAX | CPMIN | NO | TAP | CPNEAN | CPRNS | CPMAX | CPMIN |
|-----|-----|--------|-------|-------|--------|-----|------|--------|-------|-------|--------|-----|------|--------|-------|-------|--------|
| 300 | 265 | .550 | .130 | .076 | -1.171 | 300 | 914 | .833 | .177 | .282 | -1.496 | 300 | 1231 | .421 | .138 | .119 | -1.075 |
| 300 | 266 | .550 | .151 | .209 | -1.039 | 300 | 915 | .236 | .283 | .509 | -1.609 | 300 | 1232 | .517 | .145 | .072 | -1.147 |
| 300 | 267 | .550 | .135 | .006 | -1.054 | 300 | 916 | .413 | .341 | .637 | -1.665 | 300 | 1233 | .623 | .153 | .142 | -1.237 |
| 300 | 268 | .550 | .136 | .089 | -1.037 | 300 | 917 | .458 | .499 | .442 | -1.665 | 300 | 1234 | .623 | .156 | .189 | -1.143 |
| 300 | 269 | .550 | .144 | .084 | -1.123 | 300 | 918 | .447 | .338 | .309 | -1.355 | 300 | 1235 | .606 | .143 | .606 | -1.152 |
| 300 | 270 | .603 | .124 | .089 | -1.028 | 300 | 919 | .422 | .239 | .309 | -1.375 | 300 | 1236 | .602 | .143 | .038 | -1.136 |
| 300 | 271 | .603 | .124 | .025 | -1.070 | 300 | 920 | .773 | .207 | .683 | -1.831 | 300 | 1239 | .592 | .143 | .180 | -1.269 |
| 300 | 272 | .603 | .134 | .025 | -1.092 | 300 | 921 | .753 | .182 | .179 | -1.669 | 300 | 1240 | .594 | .139 | .113 | -1.025 |
| 300 | 273 | .603 | .134 | .065 | -1.065 | 300 | 922 | .753 | .172 | .234 | -1.424 | 300 | 1241 | .620 | .134 | .214 | -1.100 |
| 300 | 301 | .408 | .193 | .060 | -1.067 | 300 | 923 | .375 | .204 | .601 | -1.282 | 300 | 1242 | .594 | .135 | .131 | -1.001 |
| 300 | 302 | .434 | .194 | .060 | -1.217 | 300 | 924 | .897 | .223 | .116 | -1.727 | 300 | 1243 | .614 | .134 | .165 | -1.158 |
| 300 | 303 | .724 | .189 | .395 | .147 | 300 | 925 | .910 | .235 | .219 | -1.103 | 300 | 1244 | .614 | .141 | .124 | -1.053 |
| 300 | 304 | .671 | .215 | .395 | .008 | 300 | 926 | .769 | .179 | .199 | -1.541 | 300 | 1245 | .628 | .134 | .194 | -1.163 |
| 300 | 305 | .772 | .187 | .438 | .177 | 300 | 927 | .979 | .212 | .448 | -1.663 | 300 | 1248 | .618 | .131 | .194 | -1.078 |
| 300 | 306 | .655 | .197 | .229 | .051 | 300 | 928 | .886 | .165 | .489 | -1.609 | 300 | 1249 | .616 | .145 | .110 | -1.093 |
| 300 | 307 | .655 | .192 | .229 | .093 | 300 | 929 | .733 | .174 | .212 | -1.168 | 300 | 1250 | .614 | .136 | .122 | -1.044 |
| 300 | 308 | .622 | .175 | .229 | .022 | 300 | 930 | .723 | .171 | .199 | -1.548 | 300 | 1251 | .611 | .149 | .093 | -1.104 |
| 300 | 309 | .644 | .172 | .229 | .022 | 300 | 931 | .700 | .171 | .176 | -1.544 | 300 | 1252 | .625 | .133 | .163 | -1.061 |
| 300 | 310 | .612 | .181 | .337 | .032 | 300 | 932 | .492 | .261 | .019 | -1.206 | 300 | 1253 | .616 | .145 | .122 | -1.109 |
| 300 | 311 | .622 | .181 | .337 | .082 | 300 | 933 | .704 | .232 | .084 | -1.617 | 300 | 1254 | .628 | .135 | .183 | -1.093 |
| 300 | 312 | .638 | .163 | .337 | .088 | 300 | 934 | .719 | .233 | .031 | -1.662 | 300 | 1257 | .601 | .130 | .016 | -1.071 |
| 300 | 313 | .638 | .198 | .332 | .042 | 300 | 935 | .957 | .266 | .185 | -1.438 | 300 | 1258 | .620 | .125 | .167 | -1.165 |
| 300 | 314 | .638 | .178 | .332 | .118 | 300 | 936 | .987 | .172 | .323 | -1.481 | 300 | 1259 | .620 | .146 | .149 | -1.158 |
| 300 | 401 | .049 | .363 | .066 | -1.208 | 300 | 937 | .987 | .144 | .336 | -1.473 | 300 | 1260 | .604 | .145 | .133 | -1.102 |
| 300 | 402 | .361 | .211 | .353 | .022 | 300 | 938 | .770 | .185 | .234 | -1.710 | 300 | 1261 | .610 | .139 | .119 | -1.151 |
| 300 | 403 | .382 | .210 | .342 | .112 | 300 | 939 | .733 | .198 | .174 | -1.025 | 300 | 1262 | .614 | .138 | .144 | -1.044 |
| 300 | 404 | .369 | .308 | .851 | .112 | 300 | 940 | .760 | .216 | .185 | -1.056 | 300 | 1263 | .586 | .147 | .147 | -1.106 |
| 300 | 405 | .341 | .229 | .607 | .069 | 300 | 941 | .470 | .189 | .226 | -1.211 | 300 | 1266 | .608 | .144 | .156 | -1.133 |
| 300 | 501 | .049 | .135 | .353 | .409 | 300 | 942 | .825 | .226 | .163 | -1.835 | 300 | 1267 | .632 | .146 | .108 | -1.104 |
| 300 | 502 | .049 | .131 | .353 | .451 | 300 | 943 | .965 | .311 | .050 | -1.452 | 300 | 1268 | .626 | .146 | .133 | -1.205 |
| 300 | 503 | .965 | .137 | .463 | .411 | 300 | 944 | .965 | .231 | .278 | -1.301 | 300 | 1269 | .599 | .134 | .095 | -1.138 |
| 300 | 504 | .945 | .144 | .313 | .460 | 300 | 945 | .996 | .156 | .485 | -1.598 | 300 | 1270 | .630 | .137 | .190 | -1.145 |
| 300 | 505 | .950 | .147 | .341 | .455 | 300 | 946 | .965 | .144 | .440 | -1.496 | 300 | 1271 | .630 | .140 | .135 | -1.086 |
| 300 | 506 | .950 | .149 | .459 | .351 | 300 | 1107 | .656 | .146 | .494 | -1.175 | 300 | 1272 | .601 | .140 | .117 | -1.136 |
| 300 | 507 | .949 | .141 | .511 | .485 | 300 | 1108 | .650 | .144 | .232 | -1.170 | 300 | 1303 | .622 | .151 | .098 | -1.134 |
| 300 | 508 | .949 | .139 | .511 | .485 | 300 | 1109 | .639 | .135 | .202 | -1.107 | 300 | 1305 | .640 | .146 | .137 | -1.127 |
| 300 | 509 | .956 | .137 | .519 | .442 | 300 | 1110 | .639 | .138 | .214 | -1.045 | 300 | 1307 | .601 | .159 | .111 | -1.236 |
| 300 | 901 | .752 | .215 | .444 | .764 | 300 | 1111 | .644 | .140 | .227 | -1.106 | 300 | 1309 | .621 | .150 | .121 | -1.181 |
| 300 | 902 | .634 | .186 | .444 | .779 | 300 | 1112 | .640 | .133 | .186 | -1.197 | 300 | 1311 | .656 | .146 | .069 | -1.134 |
| 300 | 903 | .634 | .247 | .223 | .716 | 300 | 1121 | .613 | .149 | .032 | -1.152 | 300 | 1313 | .666 | .154 | .132 | -1.270 |
| 300 | 904 | .614 | .174 | .203 | .519 | 300 | 1126 | .638 | .146 | .107 | -1.125 | 300 | 1911 | .324 | .141 | .089 | -1.015 |
| 300 | 905 | .811 | .247 | .448 | .297 | 300 | 1136 | .638 | .145 | .170 | -1.181 | 300 | 1913 | .624 | .150 | .170 | -1.156 |
| 300 | 906 | .088 | .357 | .353 | .669 | 300 | 1222 | .597 | .133 | .117 | -1.089 | 300 | 1914 | .586 | .141 | .128 | -1.025 |
| 300 | 907 | .474 | .365 | .353 | .669 | 300 | 1222 | .619 | .143 | .201 | -1.122 | 300 | 1915 | .638 | .136 | .148 | -1.088 |
| 300 | 908 | .451 | .305 | .474 | .309 | 300 | 1223 | .359 | .140 | .084 | -1.113 | 300 | 1916 | .605 | .138 | .155 | -1.084 |
| 300 | 909 | .461 | .252 | .353 | .356 | 300 | 1224 | .619 | .139 | .129 | -1.084 | 300 | 1917 | .622 | .146 | .050 | -1.131 |
| 300 | 910 | .889 | .198 | .140 | .863 | 300 | 1225 | .619 | .133 | .126 | -1.143 | 300 | 1918 | .621 | .152 | .134 | -1.250 |
| 300 | 911 | .866 | .176 | .140 | .451 | 300 | 1226 | .621 | .143 | .183 | -1.133 | 300 | 1919 | .648 | .142 | .180 | -1.197 |
| 300 | 912 | .866 | .189 | .253 | .825 | 300 | 1227 | .617 | .147 | .032 | -1.127 | 300 | 1923 | .614 | .144 | .061 | -1.122 |
| 300 | 913 | .590 | .230 | .167 | .501 | 300 | 1250 | .627 | .138 | .106 | -1.151 | 300 | 1924 | .647 | .153 | .146 | -1.197 |

| MD | TAP | CPNEAK | CPNRS | CPHAX | CPHIN | MD | TAP | CPNEAK | CPNRS | CPHAX | CPHIN | MD | TAP | CPNEAK | CPNRS | CPHAX | CPHIN | | | |
|-------|-------|--------|-------|-------|-------|-----|-----|--------|-------|-------|-------|----|-----|--------|-------|-------|-------|-----|----|-----|
| 43300 | 19223 | 643 | 141 | 157 | -1 | 100 | 45 | 209 | 762 | 127 | 308 | -1 | 224 | 45 | 259 | 582 | 146 | 044 | -1 | 113 |
| 43300 | 19225 | 625 | 136 | 161 | -1 | 193 | 45 | 210 | 776 | 173 | 229 | -1 | 890 | 45 | 260 | 612 | 146 | 077 | -1 | 123 |
| 43300 | 19227 | 609 | 152 | 023 | -1 | 090 | 45 | 211 | 746 | 162 | 180 | -1 | 487 | 45 | 261 | 635 | 141 | 147 | -1 | 090 |
| 43300 | 19228 | 643 | 152 | 094 | -1 | 191 | 45 | 212 | 732 | 154 | 191 | -1 | 469 | 45 | 262 | 637 | 142 | 160 | -1 | 088 |
| 43300 | 19330 | 644 | 143 | 084 | -1 | 191 | 45 | 213 | 791 | 279 | 122 | -3 | 323 | 45 | 263 | 637 | 128 | 253 | -1 | 079 |
| 43300 | 19332 | 637 | 144 | 177 | -1 | 100 | 45 | 214 | 750 | 221 | 085 | -2 | 277 | 45 | 264 | 606 | 135 | 023 | -1 | 034 |
| 43300 | 19333 | 641 | 138 | 193 | -1 | 107 | 45 | 215 | 749 | 175 | 182 | -1 | 440 | 45 | 265 | 550 | 137 | 026 | -1 | 007 |
| 43300 | 19334 | 633 | 163 | 166 | -1 | 286 | 45 | 216 | 796 | 137 | 313 | -1 | 295 | 45 | 266 | 541 | 149 | 049 | -1 | 066 |
| 43300 | 19335 | 633 | 148 | 148 | -1 | 086 | 45 | 217 | 756 | 129 | 297 | -1 | 189 | 45 | 267 | 561 | 140 | 027 | -1 | 985 |
| 43300 | 19336 | 630 | 147 | 114 | -1 | 124 | 45 | 218 | 748 | 122 | 342 | -1 | 208 | 45 | 268 | 594 | 141 | 110 | -1 | 084 |
| 43300 | 19337 | 645 | 143 | 037 | -1 | 154 | 45 | 219 | 724 | 123 | 288 | -1 | 197 | 45 | 269 | 644 | 146 | 162 | -1 | 119 |
| 43300 | 19339 | 641 | 142 | 148 | -1 | 079 | 45 | 220 | 799 | 160 | 196 | -1 | 398 | 45 | 270 | 666 | 133 | 272 | -1 | 093 |
| 43300 | 19411 | 644 | 133 | 186 | -1 | 202 | 45 | 221 | 765 | 167 | 177 | -1 | 432 | 45 | 271 | 642 | 143 | 051 | -1 | 108 |
| 43300 | 19422 | 633 | 123 | 171 | -1 | 048 | 45 | 222 | 734 | 179 | 231 | -1 | 484 | 45 | 272 | 649 | 128 | 237 | -1 | 060 |
| 43300 | 19443 | 633 | 137 | 186 | -1 | 038 | 45 | 223 | 804 | 20 | 257 | -1 | 559 | 45 | 273 | 609 | 137 | 052 | -1 | 118 |
| 43300 | 19444 | 629 | 138 | 127 | -1 | 223 | 45 | 224 | 767 | 154 | 257 | -1 | 268 | 45 | 301 | 205 | 206 | 167 | -1 | 436 |
| 43300 | 19456 | 636 | 131 | 182 | -1 | 111 | 45 | 225 | 761 | 139 | 333 | -1 | 268 | 45 | 302 | 366 | 205 | 162 | -1 | 361 |
| 44400 | 10111 | 644 | 143 | 084 | -1 | 188 | 45 | 226 | 749 | 135 | 313 | -1 | 191 | 45 | 303 | 665 | 221 | 142 | -1 | 049 |
| 44400 | 10202 | 644 | 153 | 081 | -1 | 169 | 45 | 227 | 726 | 138 | 250 | -1 | 272 | 45 | 304 | 598 | 188 | 244 | -1 | 039 |
| 44400 | 10303 | 629 | 138 | 201 | -1 | 107 | 45 | 228 | 725 | 130 | 346 | -1 | 171 | 45 | 305 | 702 | 210 | 377 | -1 | 072 |
| 44400 | 10404 | 639 | 138 | 221 | -1 | 053 | 45 | 229 | 753 | 139 | 253 | -1 | 352 | 45 | 306 | 621 | 171 | 220 | -1 | 055 |
| 44400 | 10505 | 638 | 147 | 172 | -1 | 246 | 45 | 230 | 783 | 133 | 287 | -1 | 274 | 45 | 307 | 673 | 208 | 360 | -1 | 010 |
| 44400 | 10606 | 674 | 150 | 162 | -1 | 336 | 45 | 231 | 730 | 121 | 333 | -1 | 130 | 45 | 308 | 610 | 161 | 269 | -1 | 085 |
| 44400 | 10707 | 657 | 142 | 217 | -1 | 160 | 45 | 232 | 751 | 119 | 340 | -1 | 123 | 45 | 309 | 638 | 179 | 297 | -1 | 079 |
| 44400 | 10808 | 633 | 146 | 115 | -1 | 160 | 45 | 233 | 753 | 129 | 279 | -1 | 171 | 45 | 310 | 544 | 168 | 056 | -1 | 001 |
| 44400 | 10909 | 647 | 138 | 173 | -1 | 078 | 45 | 234 | 784 | 131 | 348 | -1 | 353 | 45 | 311 | 612 | 174 | 143 | -1 | 098 |
| 44400 | 11010 | 671 | 142 | 272 | -1 | 091 | 45 | 235 | 743 | 135 | 276 | -1 | 161 | 45 | 312 | 532 | 184 | 112 | -1 | 001 |
| 44400 | 11111 | 666 | 135 | 250 | -1 | 109 | 45 | 236 | 724 | 126 | 371 | -1 | 123 | 45 | 313 | 671 | 173 | 168 | -1 | 129 |
| 44400 | 11212 | 675 | 139 | 093 | -1 | 201 | 45 | 237 | 749 | 124 | 293 | -1 | 193 | 45 | 314 | 562 | 162 | 215 | -1 | 092 |
| 44400 | 11313 | 687 | 135 | 206 | -1 | 180 | 45 | 238 | 711 | 153 | 127 | -1 | 359 | 45 | 401 | 148 | 272 | 018 | -1 | 356 |
| 44400 | 11414 | 672 | 141 | 197 | -1 | 189 | 45 | 239 | 716 | 151 | 228 | -1 | 484 | 45 | 402 | 328 | 215 | 389 | -1 | 174 |
| 44400 | 11515 | 598 | 146 | 120 | -1 | 083 | 45 | 240 | 718 | 131 | 276 | -1 | 198 | 45 | 403 | 587 | 238 | 787 | -1 | 453 |
| 44400 | 11616 | 631 | 146 | 194 | -1 | 109 | 45 | 241 | 739 | 130 | 215 | -1 | 191 | 45 | 404 | 174 | 380 | 328 | -1 | 050 |
| 44400 | 12017 | 569 | 146 | 104 | -1 | 027 | 45 | 242 | 718 | 129 | 259 | -1 | 226 | 45 | 405 | 220 | 229 | 824 | -1 | 090 |
| 44400 | 12118 | 594 | 152 | 056 | -1 | 143 | 45 | 243 | 753 | 127 | 239 | -1 | 261 | 45 | 501 | 991 | 141 | 430 | -1 | 418 |
| 44400 | 12219 | 550 | 142 | 028 | -1 | 055 | 45 | 244 | 689 | 138 | 336 | -1 | 152 | 45 | 502 | 034 | 151 | 554 | -1 | 529 |
| 44400 | 12320 | 566 | 145 | 009 | -1 | 020 | 45 | 245 | 689 | 130 | 270 | -1 | 152 | 45 | 503 | 034 | 148 | 494 | -1 | 474 |
| 44400 | 12421 | 571 | 145 | 009 | -1 | 020 | 45 | 246 | 693 | 130 | 290 | -1 | 178 | 45 | 504 | 997 | 132 | 546 | -1 | 436 |
| 44400 | 12522 | 580 | 140 | 047 | -1 | 111 | 45 | 247 | 624 | 154 | 013 | -1 | 096 | 45 | 505 | 880 | 137 | 324 | -1 | 423 |
| 44400 | 12623 | 579 | 140 | 047 | -1 | 111 | 45 | 248 | 601 | 144 | 036 | -1 | 158 | 45 | 506 | 943 | 135 | 454 | -1 | 469 |
| 44400 | 12724 | 579 | 134 | 026 | -1 | 043 | 45 | 249 | 651 | 139 | 119 | -1 | 121 | 45 | 507 | 001 | 147 | 497 | -1 | 442 |
| 44400 | 12825 | 591 | 138 | 052 | -1 | 043 | 45 | 250 | 610 | 140 | 001 | -1 | 114 | 45 | 508 | 035 | 147 | 512 | -1 | 498 |
| 44400 | 12926 | 777 | 138 | 187 | -1 | 089 | 45 | 251 | 657 | 133 | 219 | -1 | 088 | 45 | 509 | 968 | 135 | 443 | -1 | 487 |
| 44400 | 20000 | 721 | 138 | 231 | -1 | 111 | 45 | 252 | 650 | 139 | 226 | -1 | 130 | 45 | 901 | 976 | 135 | 181 | -1 | 789 |
| 44400 | 20001 | 737 | 138 | 231 | -1 | 111 | 45 | 253 | 662 | 132 | 138 | -1 | 130 | 45 | 902 | 881 | 242 | 199 | -2 | 189 |
| 44400 | 20002 | 733 | 133 | 346 | -1 | 022 | 45 | 254 | 645 | 134 | 213 | -1 | 101 | 45 | 903 | 585 | 244 | 211 | -1 | 813 |
| 44400 | 20003 | 733 | 133 | 346 | -1 | 022 | 45 | 255 | 645 | 134 | 111 | -1 | 64 | 45 | 904 | 748 | 138 | 228 | -1 | 358 |
| 44400 | 20606 | 766 | 137 | 315 | -1 | 026 | 45 | 256 | 559 | 149 | 023 | -1 | 038 | 45 | 905 | 032 | 234 | 357 | -1 | 966 |
| 44400 | 20707 | 749 | 143 | 332 | -1 | 026 | 45 | 257 | 550 | 138 | 087 | -1 | 103 | 45 | 906 | 834 | 443 | 739 | -3 | 398 |
| 44400 | 20808 | 783 | 117 | 414 | -1 | 023 | 45 | 258 | 556 | 146 | 019 | -1 | 118 | 45 | 907 | 885 | 366 | 949 | -3 | 092 |

| WD | TAP | CPHEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPHEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPHEAN | CPRMS | CPMAX | CPMIN |
|----|------|--------|-------|-------|--------|----|------|--------|-------|-------|--------|----|------|--------|-------|-------|--------|
| 43 | 908 | -1.487 | .290 | -.461 | -2.326 | 43 | 1223 | -.614 | .129 | -.168 | -1.104 | 45 | 1916 | -.593 | .144 | -.121 | -1.070 |
| 43 | 909 | -.867 | .240 | -.022 | -1.693 | 43 | 1224 | -.691 | .135 | -.191 | -1.106 | 45 | 1917 | -.638 | .143 | -.179 | -1.111 |
| 43 | 910 | -.882 | .267 | -.032 | -2.239 | 43 | 1225 | -.590 | .134 | -.109 | -1.119 | 45 | 1918 | -.623 | .143 | -.170 | -1.066 |
| 43 | 911 | -.838 | .189 | -.263 | -1.590 | 43 | 1226 | -.600 | .135 | -.131 | -1.192 | 43 | 1921 | -.632 | .151 | -.143 | -1.124 |
| 43 | 912 | -.837 | .241 | -.179 | -2.115 | 43 | 1227 | -.634 | .139 | -.058 | -1.252 | 43 | 1923 | -.642 | .146 | -.150 | -1.124 |
| 43 | 913 | -.663 | .244 | -.429 | -1.704 | 43 | 1230 | -.634 | .122 | -.208 | -1.097 | 43 | 1924 | -.634 | .146 | -.128 | -1.193 |
| 43 | 914 | -.736 | .163 | -.230 | -1.319 | 43 | 1231 | -.692 | .118 | -.193 | -1.009 | 43 | 1925 | -.621 | .141 | -.192 | -1.048 |
| 43 | 915 | -1.131 | .238 | -.410 | -2.509 | 43 | 1232 | -.694 | .128 | -.193 | -1.068 | 43 | 1926 | -.634 | .141 | -.136 | -1.115 |
| 43 | 916 | -1.689 | .334 | -.701 | -3.146 | 43 | 1233 | -.592 | .138 | -.182 | -1.062 | 43 | 1927 | -.626 | .145 | -.176 | -1.231 |
| 43 | 917 | -2.288 | .520 | -.353 | -3.719 | 43 | 1234 | -.622 | .136 | -.168 | -1.272 | 43 | 1928 | -.612 | .150 | -.074 | -1.124 |
| 43 | 918 | -.727 | .323 | -.038 | -2.319 | 43 | 1235 | -.597 | .143 | -.135 | -1.039 | 43 | 1930 | -.621 | .136 | -.087 | -1.099 |
| 43 | 919 | -.837 | .244 | -.064 | -1.581 | 43 | 1236 | -.596 | .139 | -.106 | -1.060 | 43 | 1932 | -.613 | .153 | -.118 | -1.311 |
| 43 | 920 | -.683 | .205 | -.031 | -1.489 | 43 | 1239 | -.602 | .135 | -.150 | -1.102 | 43 | 1933 | -.629 | .145 | -.054 | -1.117 |
| 43 | 921 | -.724 | .197 | -.063 | -1.490 | 43 | 1240 | -.692 | .123 | -.171 | -1.006 | 43 | 1934 | -.607 | .151 | -.069 | -1.124 |
| 43 | 922 | -.810 | .224 | -.033 | -1.906 | 43 | 1241 | -.593 | .129 | -.166 | -1.020 | 43 | 1935 | -.646 | .150 | -.143 | -1.120 |
| 43 | 923 | -.483 | .226 | -.451 | -1.233 | 43 | 1242 | -.603 | .136 | -.071 | -1.048 | 43 | 1936 | -.614 | .160 | -.041 | -1.148 |
| 43 | 924 | -.833 | .243 | -.054 | -1.861 | 43 | 1243 | -.602 | .139 | -.060 | -1.146 | 43 | 1937 | -.623 | .157 | -.054 | -1.160 |
| 43 | 925 | -.792 | .261 | -.052 | -1.808 | 43 | 1244 | -.618 | .136 | -.171 | -1.088 | 43 | 1939 | -.633 | .148 | -.009 | -1.106 |
| 43 | 926 | -.932 | .208 | -.184 | -1.773 | 43 | 1245 | -.602 | .142 | -.155 | -1.071 | 43 | 1941 | -.623 | .140 | -.174 | -1.102 |
| 43 | 927 | -1.110 | .238 | -.486 | -2.212 | 43 | 1248 | -.614 | .129 | -.201 | -1.064 | 43 | 1942 | -.633 | .136 | -.170 | -1.041 |
| 43 | 928 | -.993 | .163 | -.497 | -1.499 | 43 | 1249 | -.634 | .134 | -.126 | -1.090 | 43 | 1943 | -.633 | .143 | -.138 | -1.184 |
| 43 | 929 | -.712 | .194 | -.019 | -1.465 | 43 | 1250 | -.594 | .137 | -.171 | -1.009 | 43 | 1944 | -.641 | .136 | -.179 | -1.191 |
| 43 | 930 | -.726 | .196 | -.113 | -1.739 | 43 | 1251 | -.597 | .132 | -.179 | -1.033 | 43 | 1945 | -.623 | .134 | -.150 | -1.021 |
| 43 | 931 | -.787 | .232 | -.022 | -2.233 | 43 | 1252 | -.599 | .139 | -.102 | -1.091 | 43 | 1946 | -.636 | .139 | -.116 | -1.106 |
| 43 | 932 | -.222 | .291 | -.666 | -1.997 | 43 | 1253 | -.595 | .143 | -.179 | -1.066 | 60 | 101 | -.533 | .144 | -.013 | -1.034 |
| 43 | 933 | -.561 | .219 | -.090 | -1.438 | 43 | 1254 | -.609 | .143 | -.128 | -1.088 | 60 | 102 | -.536 | .155 | -.032 | -1.032 |
| 43 | 934 | -.692 | .232 | -.018 | -1.782 | 43 | 1257 | -.606 | .133 | -.173 | -1.101 | 60 | 103 | -.549 | .128 | -.157 | -.972 |
| 43 | 935 | -.011 | .267 | -.071 | -2.421 | 43 | 1258 | -.593 | .139 | -.113 | -1.037 | 60 | 104 | -.573 | .142 | -.019 | -1.138 |
| 43 | 936 | -.069 | .164 | -.330 | -1.770 | 43 | 1259 | -.588 | .138 | -.113 | -1.059 | 60 | 105 | -.602 | .152 | -.144 | -1.238 |
| 43 | 937 | -.862 | .166 | -.452 | -1.508 | 43 | 1260 | -.599 | .142 | -.022 | -1.031 | 60 | 106 | -.577 | .147 | -.104 | -1.054 |
| 43 | 938 | -.710 | .210 | -.029 | -1.722 | 43 | 1261 | -.594 | .135 | -.201 | -1.020 | 60 | 107 | -.572 | .140 | -.045 | -1.008 |
| 43 | 939 | -.799 | .277 | -.017 | -2.242 | 43 | 1262 | -.580 | .141 | -.109 | -1.026 | 60 | 108 | -.557 | .151 | -.038 | -1.093 |
| 43 | 940 | -.851 | .301 | -.081 | -2.630 | 43 | 1263 | -.619 | .128 | -.182 | -1.044 | 60 | 109 | -.577 | .125 | -.138 | -1.026 |
| 43 | 941 | -.423 | .232 | -.220 | -1.548 | 43 | 1266 | -.610 | .130 | -.113 | -1.046 | 60 | 110 | -.602 | .134 | -.100 | -1.073 |
| 43 | 942 | -.723 | .261 | -.024 | -1.865 | 43 | 1267 | -.611 | .133 | -.188 | -1.142 | 60 | 111 | -.588 | .146 | -.089 | -1.206 |
| 43 | 943 | -.706 | .254 | -.009 | -2.806 | 43 | 1268 | -.603 | .130 | -.177 | -1.024 | 60 | 112 | -.602 | .141 | -.110 | -1.111 |
| 43 | 944 | -.810 | .196 | -.207 | -1.409 | 43 | 1269 | -.612 | .139 | -.131 | -1.090 | 60 | 113 | -.607 | .136 | -.137 | -1.061 |
| 43 | 945 | -1.057 | .137 | -.382 | -1.568 | 43 | 1270 | -.613 | .135 | -.177 | -1.024 | 60 | 114 | -.604 | .135 | -.149 | -1.111 |
| 43 | 946 | -.893 | .149 | -.404 | -1.323 | 43 | 1271 | -.579 | .136 | -.033 | -1.026 | 60 | 115 | -.538 | .151 | -.018 | -1.019 |
| 43 | 1107 | -.637 | .144 | -.163 | -1.144 | 43 | 1272 | -.590 | .133 | -.126 | -1.137 | 60 | 116 | -.535 | .140 | -.071 | -.981 |
| 43 | 1108 | -.614 | .133 | -.098 | -1.070 | 43 | 1303 | -.622 | .132 | -.112 | -1.113 | 60 | 120 | -.493 | .137 | -.030 | -1.032 |
| 43 | 1109 | -.619 | .141 | -.163 | -1.106 | 43 | 1305 | -.630 | .133 | -.009 | -1.131 | 60 | 121 | -.532 | .131 | -.043 | -.981 |
| 43 | 1110 | -.646 | .143 | -.112 | -1.140 | 43 | 1307 | -.623 | .132 | -.116 | -1.193 | 60 | 125 | -.453 | .151 | -.046 | -1.063 |
| 43 | 1111 | -.647 | .137 | -.172 | -1.071 | 43 | 1309 | -.634 | .134 | -.034 | -1.142 | 60 | 126 | -.463 | .142 | -.047 | -.984 |
| 43 | 1116 | -.632 | .133 | -.073 | -1.099 | 43 | 1311 | -.585 | .132 | -.070 | -1.039 | 60 | 130 | -.471 | .146 | -.008 | -.893 |
| 43 | 631 | -.643 | .137 | -.279 | -1.209 | 43 | 1313 | -.633 | .137 | -.103 | -1.233 | 60 | 131 | -.478 | .144 | -.025 | -.943 |
| 43 | 1126 | -.639 | .140 | -.130 | -1.148 | 43 | 1911 | -.522 | .127 | -.081 | -1.037 | 60 | 135 | -.480 | .143 | -.018 | -.938 |
| 43 | 1136 | -.632 | .144 | -.040 | -1.064 | 43 | 1913 | -.615 | .144 | -.074 | -1.133 | 60 | 136 | -.527 | .153 | -.080 | -1.073 |
| 43 | 1221 | -.588 | .138 | -.126 | -1.004 | 43 | 1914 | -.530 | .147 | -.076 | -1.017 | 60 | 201 | -.849 | .267 | -.199 | -2.633 |
| 43 | 1222 | -.597 | .134 | -.066 | -1.062 | 43 | 1915 | -.627 | .140 | -.130 | -1.131 | 60 | 202 | -.739 | .209 | -.117 | -1.808 |

| WD | TAP | CPHEAN | CPRHS | CPMAX | CPMIN | WD | TAP | CPHEAN | CPRHS | CPMAX | CPMIN | WD | TAP | CPHEAN | CPRHS | CPMAX | CPMIN |
|----|-----|--------|-------|-------|--------|----|-----|--------|-------|-------|--------|----|------|--------|-------|-------|--------|
| 60 | 203 | 738 | 185 | 205 | -1.697 | 60 | 293 | 679 | 144 | 077 | -1.401 | 60 | 902 | 994 | 338 | 074 | -2.403 |
| 60 | 204 | 789 | 138 | 227 | -1.302 | 60 | 294 | 657 | 146 | 105 | -1.222 | 60 | 903 | 514 | 306 | 596 | -1.736 |
| 60 | 205 | 751 | 133 | 309 | -1.196 | 60 | 295 | 613 | 138 | 192 | -1.073 | 60 | 904 | 668 | 178 | 060 | -1.490 |
| 60 | 206 | 727 | 135 | 258 | -1.221 | 60 | 296 | 327 | 132 | 013 | -1.133 | 60 | 905 | 884 | 179 | 203 | -1.492 |
| 60 | 207 | 792 | 148 | 380 | -1.232 | 60 | 297 | 323 | 148 | 048 | -1.143 | 60 | 906 | 339 | 272 | 433 | -2.519 |
| 60 | 208 | 772 | 135 | 323 | -1.223 | 60 | 298 | 342 | 139 | 085 | -1.080 | 60 | 907 | 580 | 280 | 759 | -2.759 |
| 60 | 209 | 759 | 136 | 269 | -1.188 | 60 | 299 | 397 | 154 | 037 | -1.183 | 60 | 908 | 354 | 272 | 317 | -2.246 |
| 60 | 210 | 750 | 191 | 181 | -1.198 | 60 | 260 | 631 | 142 | 144 | -1.093 | 60 | 909 | 236 | 230 | 471 | -2.167 |
| 60 | 211 | 765 | 178 | 163 | -1.353 | 60 | 261 | 677 | 146 | 191 | -1.112 | 60 | 910 | 627 | 238 | 105 | -1.777 |
| 60 | 212 | 726 | 162 | 270 | -1.653 | 60 | 262 | 666 | 166 | 140 | -1.454 | 60 | 911 | 781 | 232 | 087 | -1.568 |
| 60 | 213 | 761 | 206 | 192 | -3.169 | 60 | 263 | 449 | 143 | 156 | -1.128 | 60 | 912 | 926 | 306 | 115 | -1.974 |
| 60 | 214 | 681 | 179 | 089 | -1.376 | 60 | 264 | 626 | 138 | 161 | -1.221 | 60 | 913 | 496 | 279 | 580 | -1.594 |
| 60 | 215 | 717 | 162 | 163 | -1.677 | 60 | 265 | 478 | 153 | 147 | -1.040 | 60 | 914 | 674 | 170 | 062 | -1.380 |
| 60 | 216 | 758 | 130 | 351 | -1.280 | 60 | 266 | 475 | 145 | 037 | -1.032 | 60 | 915 | 897 | 181 | 346 | -1.532 |
| 60 | 217 | 757 | 130 | 318 | -1.280 | 60 | 267 | 542 | 141 | 096 | -1.047 | 60 | 916 | 431 | 285 | 502 | -1.496 |
| 60 | 218 | 748 | 132 | 283 | -1.280 | 60 | 268 | 602 | 140 | 107 | -1.078 | 60 | 917 | 657 | 477 | 461 | -2.991 |
| 60 | 219 | 699 | 128 | 283 | -1.161 | 60 | 269 | 631 | 146 | 129 | -1.147 | 60 | 918 | 881 | 290 | 044 | -1.107 |
| 60 | 220 | 767 | 164 | 239 | -1.391 | 60 | 270 | 676 | 149 | 195 | -1.297 | 60 | 919 | 233 | 202 | 315 | -2.005 |
| 60 | 221 | 794 | 169 | 274 | -2.222 | 60 | 271 | 653 | 147 | 169 | -1.216 | 60 | 920 | 499 | 177 | 085 | -1.306 |
| 60 | 222 | 742 | 168 | 302 | -1.447 | 60 | 272 | 448 | 148 | 175 | -1.163 | 60 | 921 | 568 | 177 | 004 | -1.138 |
| 60 | 223 | 742 | 169 | 197 | -1.518 | 60 | 273 | 628 | 150 | 142 | -1.141 | 60 | 922 | 732 | 251 | 018 | -2.044 |
| 60 | 224 | 743 | 169 | 142 | -1.518 | 60 | 274 | 660 | 190 | 724 | -1.347 | 60 | 923 | 323 | 207 | 402 | -1.169 |
| 60 | 225 | 755 | 133 | 276 | -1.518 | 60 | 302 | 286 | 224 | 975 | -1.673 | 60 | 924 | 590 | 212 | 058 | -1.400 |
| 60 | 226 | 730 | 134 | 283 | -1.518 | 60 | 303 | 332 | 200 | 284 | -1.178 | 60 | 925 | 650 | 184 | 107 | -1.411 |
| 60 | 227 | 738 | 129 | 364 | -1.191 | 60 | 304 | 455 | 231 | 375 | -1.373 | 60 | 926 | 869 | 185 | 203 | -1.616 |
| 60 | 228 | 746 | 120 | 294 | -1.113 | 60 | 305 | 583 | 207 | 258 | -1.160 | 60 | 927 | 184 | 237 | 488 | -2.516 |
| 60 | 229 | 803 | 166 | 305 | -1.415 | 60 | 306 | 453 | 212 | 381 | -1.376 | 60 | 928 | 129 | 186 | 553 | -2.029 |
| 60 | 230 | 772 | 159 | 280 | -1.371 | 60 | 307 | 538 | 176 | 191 | -1.053 | 60 | 929 | 545 | 184 | 049 | -1.285 |
| 60 | 231 | 753 | 141 | 247 | -1.371 | 60 | 308 | 484 | 206 | 174 | -1.344 | 60 | 930 | 641 | 259 | 179 | -2.145 |
| 60 | 232 | 764 | 130 | 339 | -1.220 | 60 | 309 | 517 | 182 | 224 | -1.085 | 60 | 931 | 846 | 325 | 111 | -1.178 |
| 60 | 233 | 747 | 136 | 322 | -1.231 | 60 | 310 | 415 | 181 | 079 | -1.181 | 60 | 932 | 022 | 289 | 988 | -1.876 |
| 60 | 234 | 752 | 129 | 309 | -1.183 | 60 | 311 | 489 | 171 | 093 | -1.147 | 60 | 933 | 348 | 173 | 131 | -1.019 |
| 60 | 235 | 756 | 125 | 309 | -1.183 | 60 | 312 | 397 | 167 | 182 | -1.045 | 60 | 934 | 481 | 194 | 223 | -1.343 |
| 60 | 236 | 710 | 127 | 278 | -1.183 | 60 | 313 | 514 | 168 | 178 | -1.007 | 60 | 935 | 810 | 233 | 005 | -1.688 |
| 60 | 237 | 745 | 125 | 298 | -1.183 | 60 | 314 | 383 | 154 | 024 | -1.044 | 60 | 936 | 120 | 168 | 491 | -1.737 |
| 60 | 238 | 755 | 128 | 027 | -1.255 | 60 | 401 | 261 | 249 | 213 | -1.998 | 60 | 937 | 984 | 153 | 386 | -1.342 |
| 60 | 239 | 693 | 134 | 190 | -1.255 | 60 | 402 | 260 | 249 | 789 | -1.106 | 60 | 938 | 551 | 178 | 224 | -1.131 |
| 60 | 240 | 696 | 127 | 178 | -1.255 | 60 | 403 | 417 | 236 | 583 | -1.438 | 60 | 939 | 702 | 258 | 136 | -2.698 |
| 60 | 241 | 723 | 135 | 245 | -1.255 | 60 | 404 | 025 | 348 | 197 | -1.043 | 60 | 940 | 993 | 316 | 173 | -2.503 |
| 60 | 242 | 728 | 134 | 305 | -1.255 | 60 | 405 | 157 | 198 | 571 | -1.832 | 60 | 941 | 270 | 216 | 431 | -1.303 |
| 60 | 243 | 690 | 133 | 282 | -1.169 | 60 | 501 | 978 | 144 | 503 | -1.429 | 60 | 942 | 381 | 195 | 247 | -1.289 |
| 60 | 244 | 720 | 133 | 298 | -1.169 | 60 | 502 | 074 | 133 | 577 | -1.314 | 60 | 943 | 375 | 223 | 959 | -1.189 |
| 60 | 245 | 696 | 125 | 225 | -1.111 | 60 | 503 | 110 | 159 | 557 | -1.655 | 60 | 944 | 649 | 274 | 404 | -1.585 |
| 60 | 246 | 671 | 125 | 228 | -1.111 | 60 | 504 | 064 | 181 | 516 | -1.542 | 60 | 945 | 827 | 166 | 417 | -1.894 |
| 60 | 247 | 590 | 136 | 097 | -1.234 | 60 | 505 | 825 | 159 | 283 | -1.243 | 60 | 946 | 072 | 157 | 254 | -1.380 |
| 60 | 248 | 591 | 132 | 081 | -1.141 | 60 | 506 | 843 | 155 | 326 | -1.411 | 60 | 1107 | 588 | 144 | 089 | -1.079 |
| 60 | 249 | 825 | 133 | 121 | -1.141 | 60 | 507 | 007 | 171 | 400 | -1.548 | 60 | 1108 | 568 | 133 | 026 | -1.039 |
| 60 | 250 | 634 | 146 | 022 | -1.182 | 60 | 508 | 063 | 163 | 545 | -1.518 | 60 | 1109 | 577 | 125 | 177 | -1.994 |
| 60 | 251 | 660 | 142 | 171 | -1.328 | 60 | 509 | 058 | 146 | 599 | -1.568 | 60 | 1110 | 596 | 140 | 131 | -1.060 |
| 60 | 252 | 700 | 141 | 259 | -1.180 | 60 | 901 | 817 | 244 | 029 | -1.698 | 60 | 1111 | 596 | 147 | 143 | -1.100 |

| MD | TAP | CPNEAN | CPRNS | CPMAX | CPMIN | MD | TAP | CPNEAN | CPRNS | CPMAX | CPMIN | MD | TAP | CPNEAN | CPRNS | CPMAX | CPMIN |
|----|------|--------|-------|-------|-------|----|------|--------|-------|-------|-------|----|-----|--------|-------|-------|-------|
| 60 | 1116 | - | 141 | 123 | 141 | 60 | 1311 | 516 | 137 | 023 | 985 | 75 | 130 | 337 | 125 | 072 | 793 |
| 60 | 1121 | - | 133 | 024 | 033 | 60 | 1313 | 397 | 157 | 086 | 114 | 75 | 131 | 350 | 127 | 097 | 744 |
| 60 | 1126 | - | 140 | 033 | 075 | 60 | 1911 | 460 | 142 | 987 | - | 75 | 135 | 359 | 149 | 153 | 829 |
| 60 | 1136 | - | 136 | - | 181 | 60 | 1913 | 539 | 132 | 071 | 031 | 75 | 136 | 383 | 134 | 058 | 832 |
| 60 | 2221 | - | 122 | 134 | 981 | 60 | 1914 | 519 | 140 | 026 | 983 | 75 | 201 | 715 | 316 | 018 | 731 |
| 60 | 2222 | - | 140 | 040 | 041 | 60 | 1915 | 561 | 136 | 060 | 071 | 75 | 202 | 668 | 253 | 139 | 490 |
| 60 | 2223 | - | 130 | 092 | 989 | 60 | 1916 | 559 | 127 | 122 | 974 | 75 | 203 | 582 | 201 | 023 | 677 |
| 60 | 2224 | - | 149 | 069 | 089 | 60 | 1917 | 534 | 142 | 077 | 053 | 75 | 204 | 881 | 208 | 881 | 805 |
| 60 | 2225 | - | 136 | 029 | 010 | 60 | 1918 | 534 | 138 | 030 | 049 | 75 | 205 | 824 | 174 | 221 | 472 |
| 60 | 2226 | - | 138 | 013 | 988 | 60 | 1921 | 560 | 133 | 037 | 040 | 75 | 206 | 804 | 167 | 232 | 325 |
| 60 | 2227 | - | 139 | 118 | 224 | 60 | 1922 | 582 | 142 | 096 | 037 | 75 | 207 | 856 | 184 | 263 | 761 |
| 60 | 2228 | - | 131 | 083 | 974 | 60 | 1924 | 573 | 145 | 055 | 163 | 75 | 208 | 793 | 177 | 239 | 569 |
| 60 | 2229 | - | 132 | 089 | 023 | 60 | 1925 | 590 | 122 | 143 | 098 | 75 | 209 | 742 | 168 | 228 | 463 |
| 60 | 2230 | - | 126 | 082 | 091 | 60 | 1926 | 566 | 140 | 122 | 048 | 75 | 210 | 661 | 257 | 109 | 785 |
| 60 | 2231 | - | 142 | 025 | 044 | 60 | 1927 | 582 | 154 | 105 | 184 | 75 | 211 | 657 | 248 | 021 | 738 |
| 60 | 2232 | - | 133 | 113 | 974 | 60 | 1928 | 558 | 153 | 001 | 190 | 75 | 212 | 624 | 209 | 005 | 826 |
| 60 | 2233 | - | 143 | 127 | 030 | 60 | 1930 | 560 | 144 | 062 | 013 | 75 | 213 | 612 | 245 | 073 | 845 |
| 60 | 2234 | - | 143 | 016 | 111 | 60 | 1932 | 571 | 140 | 093 | 080 | 75 | 214 | 623 | 218 | 062 | 811 |
| 60 | 2235 | - | 134 | 010 | 970 | 60 | 1933 | 571 | 138 | 028 | 073 | 75 | 215 | 675 | 204 | 069 | 009 |
| 60 | 2236 | - | 134 | 051 | 979 | 60 | 1934 | 566 | 137 | 098 | 111 | 75 | 216 | 755 | 192 | 189 | 547 |
| 60 | 2237 | - | 132 | 142 | 009 | 60 | 1935 | 566 | 144 | 114 | 163 | 75 | 217 | 748 | 195 | 118 | 580 |
| 60 | 2238 | - | 133 | 047 | 083 | 60 | 1936 | 566 | 148 | 069 | 060 | 75 | 218 | 783 | 171 | 171 | 434 |
| 60 | 2239 | - | 133 | 048 | 083 | 60 | 1937 | 564 | 143 | 091 | 033 | 75 | 219 | 767 | 158 | 164 | 430 |
| 60 | 2240 | - | 145 | 091 | 034 | 60 | 1938 | 564 | 143 | 080 | 080 | 75 | 220 | 633 | 258 | 111 | 882 |
| 60 | 2241 | - | 131 | 118 | 069 | 60 | 1939 | 583 | 139 | 091 | 019 | 75 | 221 | 666 | 244 | 137 | 662 |
| 60 | 2242 | - | 131 | 107 | 963 | 60 | 1941 | 568 | 135 | 041 | 028 | 75 | 222 | 637 | 204 | 209 | 420 |
| 60 | 2243 | - | 124 | 192 | 164 | 60 | 1942 | 577 | 144 | 035 | 044 | 75 | 223 | 633 | 211 | 072 | 659 |
| 60 | 2244 | - | 136 | 001 | 966 | 60 | 1943 | 567 | 141 | 147 | 021 | 75 | 224 | 701 | 212 | 310 | 575 |
| 60 | 2245 | - | 133 | 040 | 994 | 60 | 1944 | 567 | 141 | 147 | 021 | 75 | 225 | 721 | 184 | 024 | 490 |
| 60 | 2246 | - | 136 | 049 | 021 | 60 | 1945 | 592 | 150 | 086 | 052 | 75 | 226 | 747 | 189 | 054 | 356 |
| 60 | 2247 | - | 143 | 069 | 096 | 75 | 101 | 402 | 151 | 178 | 089 | 75 | 227 | 740 | 146 | 260 | 378 |
| 60 | 2248 | - | 135 | 069 | 092 | 75 | 102 | 404 | 139 | 050 | 798 | 75 | 228 | 726 | 154 | 228 | 278 |
| 60 | 2249 | - | 132 | 069 | 018 | 75 | 103 | 401 | 133 | 127 | 027 | 75 | 229 | 564 | 184 | 057 | 267 |
| 60 | 2250 | - | 133 | 071 | 088 | 75 | 104 | 403 | 132 | 067 | 055 | 75 | 230 | 555 | 217 | 059 | 472 |
| 60 | 2251 | - | 136 | 051 | 094 | 75 | 105 | 418 | 134 | 076 | 087 | 75 | 231 | 565 | 173 | 031 | 363 |
| 60 | 2252 | - | 123 | 061 | 063 | 75 | 106 | 409 | 128 | 044 | 017 | 75 | 232 | 599 | 152 | 055 | 121 |
| 60 | 2253 | - | 133 | 107 | 018 | 75 | 107 | 416 | 147 | 139 | 940 | 75 | 233 | 634 | 182 | 054 | 375 |
| 60 | 2254 | - | 144 | 021 | 009 | 75 | 108 | 422 | 139 | 020 | 018 | 75 | 234 | 686 | 166 | 081 | 275 |
| 60 | 2255 | - | 138 | 025 | 009 | 75 | 109 | 418 | 130 | 077 | 846 | 75 | 235 | 720 | 169 | 050 | 459 |
| 60 | 2256 | - | 123 | 150 | 001 | 75 | 110 | 429 | 132 | 053 | 882 | 75 | 236 | 753 | 163 | 004 | 363 |
| 60 | 2257 | - | 131 | 019 | 943 | 75 | 111 | 414 | 134 | 058 | 928 | 75 | 237 | 752 | 167 | 067 | 191 |
| 60 | 2258 | - | 131 | 165 | 990 | 75 | 112 | 418 | 124 | 015 | 887 | 75 | 238 | 539 | 183 | 072 | 168 |
| 60 | 2259 | - | 141 | 001 | 091 | 75 | 113 | 417 | 119 | 018 | 880 | 75 | 239 | 531 | 170 | 105 | 213 |
| 60 | 2260 | - | 130 | 058 | 123 | 75 | 114 | 443 | 128 | 032 | 969 | 75 | 240 | 543 | 149 | 041 | 014 |
| 60 | 2261 | - | 137 | 100 | 952 | 75 | 115 | 379 | 133 | 067 | 776 | 75 | 241 | 633 | 162 | 013 | 130 |
| 60 | 2262 | - | 140 | 078 | 972 | 75 | 116 | 399 | 129 | 013 | 787 | 75 | 242 | 532 | 156 | 098 | 182 |
| 60 | 2263 | - | 150 | 078 | 137 | 75 | 120 | 364 | 127 | 120 | 742 | 75 | 243 | 675 | 170 | 146 | 461 |
| 60 | 2264 | - | 138 | 111 | 208 | 75 | 121 | 380 | 123 | 010 | 763 | 75 | 244 | 693 | 182 | 068 | 319 |
| 60 | 2265 | - | 143 | 089 | 031 | 75 | 125 | 339 | 125 | 091 | 809 | 75 | 245 | 651 | 184 | 120 | 322 |
| 60 | 2266 | - | 143 | 103 | 040 | 75 | 126 | 333 | 131 | 118 | 799 | 75 | 246 | 658 | 141 | 189 | 153 |

| WD | TAP | CPHEAN | CPRNS | CPNAK | CPNIN | WD | TAP | CPHEAN | CPRNS | CPNAK | CPNIN | WD | TAP | CPHEAN | CPRNS | CPNAK | CPNIN |
|----|-----|--------|-------|-------|--------|----|-----|--------|-------|-------|--------|----|------|--------|-------|-------|--------|
| 75 | 247 | 484 | 165 | 030 | -1.329 | 75 | 503 | 574 | 162 | 074 | -1.137 | 75 | 946 | 567 | 155 | 001 | -1.119 |
| 75 | 248 | 476 | 161 | 011 | -1.092 | 75 | 506 | 604 | 158 | 026 | -1.216 | 75 | 1107 | 418 | 150 | 100 | -1.983 |
| 75 | 249 | 516 | 167 | 020 | -1.182 | 75 | 507 | 740 | 166 | 078 | -1.246 | 75 | 1108 | 421 | 142 | 016 | -1.867 |
| 75 | 250 | 561 | 182 | 017 | -1.135 | 75 | 508 | 782 | 191 | 266 | -1.139 | 75 | 1109 | 411 | 133 | 076 | -1.889 |
| 75 | 251 | 627 | 176 | 044 | -1.337 | 75 | 509 | 780 | 167 | 220 | -1.133 | 75 | 1110 | 407 | 132 | 083 | -1.853 |
| 75 | 252 | 653 | 210 | 074 | -1.609 | 75 | 901 | 353 | 212 | 320 | -1.164 | 75 | 1111 | 412 | 135 | 066 | -1.909 |
| 75 | 253 | 686 | 219 | 076 | -1.708 | 75 | 902 | 813 | 275 | 004 | -1.198 | 75 | 1116 | 417 | 126 | 001 | -1.797 |
| 75 | 254 | 660 | 166 | 174 | -1.306 | 75 | 903 | 120 | 287 | 859 | -2.201 | 75 | 1121 | 417 | 127 | 028 | -1.814 |
| 75 | 255 | 654 | 192 | 140 | -1.454 | 75 | 904 | 371 | 193 | 216 | -1.144 | 75 | 1126 | 402 | 127 | 090 | -1.856 |
| 75 | 256 | 486 | 179 | 100 | -1.131 | 75 | 905 | 558 | 189 | 101 | -1.164 | 75 | 1136 | 425 | 139 | 061 | -1.884 |
| 75 | 257 | 470 | 161 | 035 | -1.197 | 75 | 906 | 554 | 240 | 018 | -2.166 | 75 | 1221 | 397 | 133 | 037 | -1.794 |
| 75 | 258 | 304 | 151 | 471 | -1.140 | 75 | 907 | 003 | 226 | 345 | -1.195 | 75 | 1222 | 421 | 136 | 011 | -1.885 |
| 75 | 259 | 539 | 177 | 041 | -1.228 | 75 | 908 | 041 | 228 | 184 | -1.167 | 75 | 1223 | 402 | 124 | 099 | -1.905 |
| 75 | 260 | 610 | 201 | 044 | -1.118 | 75 | 909 | 954 | 312 | 037 | -2.392 | 75 | 1224 | 415 | 130 | 039 | -1.874 |
| 75 | 261 | 683 | 222 | 124 | -1.599 | 75 | 910 | 203 | 183 | 298 | -1.927 | 75 | 1225 | 412 | 139 | 026 | -1.002 |
| 75 | 262 | 700 | 221 | 142 | -1.118 | 75 | 911 | 406 | 185 | 123 | -1.109 | 75 | 1226 | 412 | 132 | 061 | -1.878 |
| 75 | 263 | 710 | 191 | 135 | -1.326 | 75 | 912 | 772 | 252 | 064 | -1.175 | 75 | 1227 | 412 | 136 | 063 | -1.876 |
| 75 | 264 | 632 | 193 | 078 | -1.147 | 75 | 913 | 146 | 248 | 863 | -1.112 | 75 | 1230 | 404 | 146 | 046 | -1.889 |
| 75 | 265 | 471 | 168 | 019 | -1.204 | 75 | 914 | 379 | 191 | 233 | -1.133 | 75 | 1231 | 417 | 131 | 029 | -1.911 |
| 75 | 266 | 469 | 165 | 063 | -1.103 | 75 | 915 | 562 | 187 | 068 | -1.162 | 75 | 1232 | 419 | 123 | 044 | -1.845 |
| 75 | 267 | 480 | 185 | 031 | -1.108 | 75 | 916 | 857 | 251 | 030 | -1.828 | 75 | 1233 | 403 | 141 | 127 | -1.829 |
| 75 | 268 | 528 | 201 | 037 | -1.111 | 75 | 917 | 970 | 294 | 200 | -2.026 | 75 | 1234 | 415 | 144 | 019 | -1.902 |
| 75 | 269 | 590 | 201 | 019 | -1.351 | 75 | 918 | 747 | 226 | 130 | -1.177 | 75 | 1235 | 408 | 142 | 032 | -1.887 |
| 75 | 270 | 633 | 214 | 020 | -1.459 | 75 | 919 | 884 | 308 | 159 | -2.121 | 75 | 1236 | 418 | 140 | 103 | -1.931 |
| 75 | 271 | 637 | 221 | 070 | -1.011 | 75 | 920 | 273 | 164 | 231 | -2.809 | 75 | 1239 | 421 | 128 | 017 | -1.862 |
| 75 | 272 | 637 | 223 | 316 | -1.377 | 75 | 921 | 392 | 180 | 306 | -1.300 | 75 | 1240 | 430 | 127 | 032 | -1.854 |
| 75 | 273 | 689 | 221 | 029 | -1.111 | 75 | 922 | 563 | 245 | 134 | -2.074 | 75 | 1241 | 397 | 146 | 046 | -1.900 |
| 75 | 274 | 689 | 221 | 225 | -1.192 | 75 | 923 | 688 | 230 | 873 | -2.784 | 75 | 1242 | 414 | 134 | 101 | -1.907 |
| 75 | 302 | 032 | 453 | 436 | -1.732 | 75 | 924 | 244 | 192 | 319 | -1.958 | 75 | 1243 | 408 | 134 | 121 | -1.920 |
| 75 | 303 | 039 | 340 | 008 | -1.101 | 75 | 925 | 346 | 165 | 213 | -1.101 | 75 | 1244 | 400 | 147 | 108 | -1.847 |
| 75 | 304 | 087 | 446 | 331 | -2.161 | 75 | 926 | 601 | 203 | 084 | -1.601 | 75 | 1245 | 398 | 141 | 044 | -1.874 |
| 75 | 305 | 065 | 348 | 605 | -1.427 | 75 | 927 | 886 | 236 | 271 | -2.259 | 75 | 1248 | 413 | 127 | 011 | -1.874 |
| 75 | 306 | 039 | 423 | 192 | -1.683 | 75 | 928 | 872 | 196 | 304 | -1.813 | 75 | 1249 | 419 | 136 | 033 | -1.843 |
| 75 | 307 | 078 | 309 | 225 | -1.092 | 75 | 929 | 289 | 144 | 348 | -1.882 | 75 | 1250 | 417 | 136 | 019 | -1.827 |
| 75 | 308 | 052 | 413 | 328 | -1.714 | 75 | 930 | 390 | 192 | 261 | -1.353 | 75 | 1251 | 413 | 134 | 081 | -1.913 |
| 75 | 309 | 052 | 300 | 996 | -1.087 | 75 | 931 | 669 | 292 | 161 | -1.888 | 75 | 1252 | 400 | 134 | 065 | -1.898 |
| 75 | 310 | 008 | 338 | 020 | -1.569 | 75 | 932 | 063 | 225 | 882 | -1.564 | 75 | 1253 | 402 | 141 | 154 | -1.865 |
| 75 | 311 | 117 | 262 | 311 | -1.751 | 75 | 933 | 133 | 166 | 340 | -1.911 | 75 | 1254 | 400 | 141 | 123 | -1.884 |
| 75 | 312 | 093 | 288 | 155 | -1.763 | 75 | 934 | 285 | 176 | 983 | -1.911 | 75 | 1257 | 411 | 134 | 070 | -1.911 |
| 75 | 313 | 202 | 220 | 051 | -1.763 | 75 | 935 | 348 | 177 | 066 | -1.261 | 75 | 1258 | 428 | 126 | 096 | -1.885 |
| 75 | 314 | 143 | 293 | 152 | -1.457 | 75 | 936 | 775 | 166 | 190 | -1.379 | 75 | 1259 | 412 | 130 | 034 | -1.834 |
| 75 | 401 | 274 | 294 | 162 | -1.161 | 75 | 937 | 646 | 154 | 142 | -1.202 | 75 | 1260 | 419 | 144 | 107 | -1.946 |
| 75 | 402 | 033 | 253 | 866 | -1.974 | 75 | 938 | 340 | 148 | 072 | -1.750 | 75 | 1261 | 416 | 134 | 077 | -1.990 |
| 75 | 403 | 105 | 267 | 916 | -1.041 | 75 | 939 | 322 | 147 | 159 | -1.002 | 75 | 1262 | 399 | 135 | 077 | -1.814 |
| 75 | 404 | 047 | 287 | 905 | -1.711 | 75 | 940 | 522 | 248 | 233 | -1.684 | 75 | 1263 | 403 | 136 | 096 | -1.911 |
| 75 | 405 | 042 | 178 | 585 | -1.904 | 75 | 941 | 025 | 176 | 758 | -1.550 | 75 | 1266 | 434 | 127 | 107 | -1.904 |
| 75 | 501 | 727 | 153 | 236 | -1.243 | 75 | 942 | 131 | 175 | 514 | -1.727 | 75 | 1267 | 405 | 126 | 044 | -1.920 |
| 75 | 502 | 799 | 175 | 183 | -1.373 | 75 | 943 | 205 | 199 | 538 | -1.846 | 75 | 1268 | 419 | 143 | 094 | -1.993 |
| 75 | 503 | 795 | 173 | 213 | -1.303 | 75 | 944 | 531 | 215 | 354 | -1.261 | 75 | 1269 | 429 | 135 | 119 | -1.865 |
| 75 | 504 | 820 | 145 | 381 | -1.323 | 75 | 945 | 772 | 174 | 190 | -1.484 | 75 | 1270 | 422 | 121 | 030 | -1.863 |

| MD | TAP | CPNEAN | CPRNS | CPMAX | CPMIN | MD | TAP | CPNEAN | CPRNS | CPMAX | CPMIN | MD | TAP | CPNEAN | CPRNS | CPMAX | CPMIN |
|----|------|--------|-------|-------|-------|----|-----|--------|-------|-------|-------|----|-----|--------|-------|-------|-------|
| 90 | 1271 | .406 | .141 | .066 | -.027 | 90 | 115 | -.278 | .125 | .152 | -.762 | 90 | 241 | -.232 | .168 | .281 | -.065 |
| 90 | 1272 | .389 | .140 | .094 | -.080 | 90 | 116 | -.302 | .128 | .119 | -.779 | 90 | 242 | -.273 | .174 | .325 | -.145 |
| 90 | 1303 | .408 | .140 | .144 | -.038 | 90 | 120 | -.276 | .129 | .181 | -.680 | 90 | 243 | -.388 | .223 | .358 | -.192 |
| 90 | 1305 | .416 | .136 | .032 | -.930 | 90 | 121 | -.279 | .131 | .123 | -.766 | 90 | 244 | -.490 | .251 | .362 | -.620 |
| 90 | 1307 | .391 | .134 | .046 | -.851 | 90 | 125 | -.233 | .126 | .277 | -.709 | 90 | 245 | -.610 | .264 | .349 | -.522 |
| 90 | 1309 | .420 | .137 | .144 | -.030 | 90 | 128 | -.234 | .129 | .202 | -.753 | 90 | 246 | -.695 | .235 | .255 | -.156 |
| 90 | 1311 | .358 | .137 | .083 | -.070 | 90 | 130 | -.239 | .124 | .138 | -.675 | 90 | 247 | -.223 | .116 | .172 | -.813 |
| 90 | 1313 | .425 | .133 | .056 | -.955 | 90 | 131 | -.229 | .143 | .223 | -.746 | 90 | 248 | -.203 | .138 | .229 | -.061 |
| 90 | 1911 | .323 | .124 | .078 | -.780 | 90 | 133 | -.239 | .130 | .302 | -.723 | 90 | 249 | -.199 | .151 | .358 | -.808 |
| 90 | 1913 | .415 | .132 | .001 | -.885 | 90 | 136 | -.235 | .122 | .140 | -.737 | 90 | 250 | -.224 | .160 | .337 | -.405 |
| 90 | 1914 | .371 | .135 | .011 | -.916 | 90 | 201 | -.302 | .187 | .427 | -.427 | 90 | 251 | -.224 | .184 | .260 | -.154 |
| 90 | 1915 | .409 | .135 | .023 | -.969 | 90 | 202 | -.283 | .213 | .300 | -.335 | 90 | 252 | -.322 | .210 | .265 | -.176 |
| 90 | 1916 | .399 | .135 | .071 | -.960 | 90 | 204 | -.328 | .261 | .504 | -.634 | 90 | 253 | -.405 | .250 | .241 | -.407 |
| 90 | 1917 | .404 | .142 | .049 | -.931 | 90 | 205 | -.328 | .261 | .468 | -.771 | 90 | 254 | -.527 | .272 | .354 | -.424 |
| 90 | 1918 | .417 | .124 | .000 | -.843 | 90 | 206 | -.670 | .245 | .293 | -.802 | 90 | 255 | -.616 | .274 | .439 | -.364 |
| 90 | 1921 | .412 | .131 | .144 | -.880 | 90 | 207 | -.635 | .224 | .093 | -.882 | 90 | 256 | -.180 | .131 | .211 | -.738 |
| 90 | 1923 | .434 | .123 | .044 | -.904 | 90 | 208 | -.500 | .250 | .246 | -.498 | 90 | 257 | -.192 | .132 | .257 | -.637 |
| 90 | 1924 | .404 | .142 | .129 | -.889 | 90 | 209 | -.513 | .197 | .478 | -.108 | 90 | 258 | -.198 | .144 | .323 | -.888 |
| 90 | 1925 | .406 | .128 | .126 | -.895 | 90 | 210 | -.511 | .195 | .023 | -.342 | 90 | 259 | -.218 | .139 | .304 | -.846 |
| 90 | 1926 | .404 | .139 | .044 | -.855 | 90 | 211 | -.500 | .157 | .336 | -.006 | 90 | 260 | -.236 | .180 | .248 | -.138 |
| 90 | 1927 | .406 | .141 | .022 | -.897 | 90 | 212 | -.216 | .169 | .284 | -.289 | 90 | 261 | -.319 | .201 | .236 | -.339 |
| 90 | 1928 | .417 | .141 | .066 | -.853 | 90 | 213 | -.317 | .223 | .352 | -.434 | 90 | 262 | -.347 | .229 | .311 | -.339 |
| 90 | 1930 | .414 | .132 | .133 | -.875 | 90 | 214 | -.297 | .281 | .357 | -.235 | 90 | 263 | -.511 | .285 | .384 | -.566 |
| 90 | 1932 | .411 | .127 | .068 | -.911 | 90 | 215 | -.261 | .258 | .560 | -.468 | 90 | 264 | -.562 | .263 | .298 | -.687 |
| 90 | 1933 | .407 | .132 | .112 | -.885 | 90 | 216 | -.430 | .270 | .381 | -.157 | 90 | 265 | -.166 | .127 | .217 | -.687 |
| 90 | 1934 | .403 | .129 | .044 | -.926 | 90 | 217 | -.538 | .341 | .279 | -.703 | 90 | 266 | -.168 | .131 | .269 | -.796 |
| 90 | 1935 | .414 | .133 | .006 | -.844 | 90 | 218 | -.675 | .289 | .279 | -.037 | 90 | 267 | -.181 | .144 | .344 | -.764 |
| 90 | 1936 | .404 | .140 | .044 | -.899 | 90 | 219 | -.768 | .288 | .291 | -.037 | 90 | 268 | -.203 | .148 | .342 | -.743 |
| 90 | 1937 | .413 | .132 | .058 | -.890 | 90 | 220 | -.142 | .151 | .503 | -.786 | 90 | 269 | -.227 | .155 | .267 | -.916 |
| 90 | 1939 | .408 | .119 | .010 | -.795 | 90 | 221 | -.184 | .151 | .300 | -.736 | 90 | 270 | -.267 | .168 | .309 | -.138 |
| 90 | 1941 | .403 | .137 | .037 | -.851 | 90 | 222 | -.194 | .170 | .414 | -.839 | 90 | 271 | -.285 | .191 | .386 | -.190 |
| 90 | 1942 | .411 | .129 | .034 | -.836 | 90 | 223 | -.210 | .183 | .372 | -.928 | 90 | 272 | -.411 | .254 | .498 | -.122 |
| 90 | 1943 | .411 | .124 | .018 | -.839 | 90 | 224 | -.280 | .205 | .269 | -.997 | 90 | 273 | -.594 | .320 | .534 | -.001 |
| 90 | 1944 | .402 | .130 | .090 | -.863 | 90 | 225 | -.280 | .205 | .391 | -.096 | 90 | 301 | -.838 | .316 | .609 | -.124 |
| 90 | 1945 | .404 | .142 | .046 | -.887 | 90 | 226 | -.393 | .228 | .358 | -.220 | 90 | 302 | -.924 | .322 | .272 | -.440 |
| 90 | 1946 | .403 | .137 | .083 | -.872 | 90 | 227 | -.499 | .254 | .314 | -.464 | 90 | 303 | -.837 | .258 | .433 | -.637 |
| 90 | 101 | .322 | .145 | .145 | -.872 | 90 | 228 | -.727 | .253 | .339 | -.681 | 90 | 304 | -.841 | .348 | .964 | -.261 |
| 90 | 102 | .313 | .135 | .085 | -.895 | 90 | 229 | -.312 | .132 | .071 | -.916 | 90 | 305 | -.827 | .256 | .250 | -.707 |
| 90 | 103 | .306 | .140 | .181 | -.966 | 90 | 230 | -.219 | .136 | .239 | -.808 | 90 | 306 | -.894 | .332 | .574 | -.607 |
| 90 | 104 | .315 | .130 | .077 | -.948 | 90 | 231 | -.215 | .168 | .374 | -.920 | 90 | 307 | -.849 | .291 | .298 | -.046 |
| 90 | 105 | .311 | .139 | .092 | -.822 | 90 | 232 | -.226 | .168 | .398 | -.189 | 90 | 308 | -.878 | .323 | .763 | -.333 |
| 90 | 106 | .323 | .131 | .091 | -.853 | 90 | 233 | -.226 | .168 | .297 | -.189 | 90 | 309 | -.768 | .300 | .368 | -.834 |
| 90 | 107 | .322 | .128 | .068 | -.791 | 90 | 234 | -.303 | .189 | .246 | -.065 | 90 | 310 | -.617 | .397 | .556 | -.005 |
| 90 | 108 | .322 | .123 | .097 | -.736 | 90 | 235 | -.328 | .242 | .402 | -.136 | 90 | 311 | -.607 | .366 | .801 | -.876 |
| 90 | 109 | .330 | .132 | .094 | -.733 | 90 | 236 | -.691 | .254 | .402 | -.628 | 90 | 312 | -.755 | .422 | .730 | -.600 |
| 90 | 110 | .330 | .123 | .106 | -.732 | 90 | 237 | -.739 | .283 | .208 | -.641 | 90 | 313 | -.443 | .374 | .1 | .035 |
| 90 | 111 | .334 | .127 | .051 | -.839 | 90 | 238 | -.214 | .137 | .291 | -.739 | 90 | 314 | -.485 | .431 | .893 | -.218 |
| 90 | 112 | .333 | .101 | .051 | -.825 | 90 | 239 | -.212 | .146 | .288 | -.738 | 90 | 401 | -.058 | .320 | .1 | .220 |
| 90 | 113 | .328 | .128 | .034 | -.800 | 90 | 240 | -.220 | .154 | .227 | -.061 | 90 | 402 | -.015 | .314 | .1 | .037 |
| 90 | 114 | .342 | .139 | .109 | -.889 | 90 | | | | | | 90 | 403 | -.044 | .268 | .1 | .039 |

| MD | TAP | CPNEAN | CPRMS | CPHAX | CPHIN | MD | TAP | CPNEAN | CPRMS | CPHAX | CPHIN | MD | TAP | CPNEAN | CPRMS | CPHAX | CPHIN |
|----|-----|--------|-------|-------|-------|----|------|--------|-------|-------|--------|-----|------|--------|-------|-------|--------|
| 90 | 404 | .084 | .207 | .755 | -.946 | 90 | 940 | -.215 | .209 | .627 | -1.504 | 90 | 1263 | -.208 | .127 | .296 | -.641 |
| 90 | 405 | .122 | .205 | .663 | -.875 | 90 | 941 | -.136 | .213 | .603 | -.982 | 90 | 1266 | -.220 | .123 | .260 | -.656 |
| 90 | 501 | .348 | .138 | .142 | -.880 | 90 | 942 | -.209 | .198 | .452 | -1.295 | 90 | 1267 | -.215 | .128 | .189 | -.674 |
| 90 | 502 | .374 | .150 | .099 | -.918 | 90 | 943 | -.279 | .187 | .324 | -1.429 | 90 | 1268 | -.213 | .126 | .338 | -.626 |
| 90 | 503 | .397 | .144 | .063 | -.824 | 90 | 944 | -.365 | .161 | .154 | -1.169 | 90 | 1269 | -.212 | .125 | .269 | -.591 |
| 90 | 504 | .399 | .154 | .145 | -.994 | 90 | 943 | -.364 | .137 | .028 | -.797 | 90 | 1270 | -.222 | .123 | .251 | -.624 |
| 90 | 505 | .324 | .120 | .128 | -.754 | 90 | 946 | -.312 | .131 | .133 | -.791 | 90 | 1271 | -.211 | .115 | .148 | -.617 |
| 90 | 506 | .314 | .134 | .097 | -.880 | 90 | 1107 | -.234 | .129 | .217 | -.694 | 90 | 1272 | -.197 | .137 | .231 | -.648 |
| 90 | 507 | .365 | .136 | .171 | -.808 | 90 | 1108 | -.232 | .133 | .275 | -.660 | 90 | 1303 | -.226 | .133 | .273 | -.656 |
| 90 | 508 | .400 | .163 | .094 | -.953 | 90 | 1109 | -.235 | .127 | .216 | -.677 | 90 | 1305 | -.226 | .132 | .309 | -.698 |
| 90 | 509 | .414 | .161 | .106 | -.974 | 90 | 1110 | -.240 | .120 | .250 | -.688 | 90 | 1307 | -.221 | .130 | .344 | -.667 |
| 90 | 901 | .121 | .198 | .466 | -.641 | 90 | 1111 | -.241 | .128 | .177 | -.674 | 90 | 1309 | -.240 | .137 | .335 | -.708 |
| 90 | 902 | .234 | .230 | .555 | -.264 | 90 | 1116 | -.243 | .126 | .165 | -.662 | 90 | 1311 | -.178 | .135 | .229 | -.608 |
| 90 | 903 | .002 | .270 | .020 | -.940 | 90 | 1121 | -.246 | .131 | .141 | -.730 | 90 | 1313 | -.257 | .128 | .171 | -.696 |
| 90 | 904 | .162 | .215 | .605 | -.434 | 90 | 1126 | -.246 | .131 | .199 | -.694 | 90 | 1911 | -.148 | .127 | .269 | -.619 |
| 90 | 905 | .242 | .225 | .719 | -.420 | 90 | 1136 | -.242 | .129 | .125 | -.761 | 90 | 1913 | -.240 | .125 | .171 | -.688 |
| 90 | 906 | .343 | .236 | .475 | -.285 | 90 | 1221 | -.203 | .130 | .239 | -.685 | 90 | 1914 | -.194 | .136 | .263 | -.630 |
| 90 | 907 | .427 | .218 | .470 | -.512 | 90 | 1222 | -.217 | .122 | .212 | -.600 | 90 | 1915 | -.236 | .133 | .202 | -.667 |
| 90 | 908 | .481 | .223 | .258 | -.589 | 90 | 1223 | -.223 | .122 | .125 | -.655 | 90 | 1816 | -.210 | .136 | .306 | -.654 |
| 90 | 909 | .748 | .235 | .328 | -.537 | 90 | 1224 | -.220 | .128 | .224 | -.740 | 90 | 1817 | -.225 | .140 | .301 | -.686 |
| 90 | 910 | .085 | .192 | .562 | -.768 | 90 | 1225 | -.210 | .127 | .269 | -.632 | 90 | 1918 | -.232 | .139 | .166 | -.824 |
| 90 | 911 | .157 | .203 | .682 | -.947 | 90 | 1226 | -.212 | .128 | .227 | -.652 | 90 | 1921 | -.236 | .123 | .214 | -.694 |
| 90 | 912 | .277 | .236 | .690 | -.815 | 90 | 1227 | -.212 | .125 | .179 | -.679 | 90 | 1923 | -.229 | .121 | .330 | -.706 |
| 90 | 913 | .038 | .271 | .021 | -.791 | 90 | 1230 | -.219 | .114 | .232 | -.643 | 90 | 1924 | -.240 | .125 | .163 | -.657 |
| 90 | 914 | .118 | .203 | .713 | -.147 | 90 | 1231 | -.226 | .119 | .170 | -.621 | 90 | 1925 | -.241 | .122 | .175 | -.683 |
| 90 | 915 | .219 | .195 | .369 | -.947 | 90 | 1232 | -.230 | .119 | .192 | -.593 | 90 | 1926 | -.239 | .137 | .231 | -.758 |
| 90 | 916 | .313 | .203 | .419 | -.098 | 90 | 1233 | -.217 | .131 | .196 | -.641 | 90 | 1927 | -.224 | .140 | .255 | -.696 |
| 90 | 917 | .413 | .213 | .386 | -.370 | 90 | 1234 | -.219 | .128 | .291 | -.657 | 90 | 1928 | -.246 | .137 | .241 | -.698 |
| 90 | 918 | .479 | .224 | .759 | -.185 | 90 | 1235 | -.218 | .131 | .206 | -.672 | 90 | 1930 | -.235 | .127 | .200 | -.674 |
| 90 | 919 | .757 | .258 | .252 | -.560 | 90 | 1236 | -.218 | .132 | .258 | -.669 | 90 | 1932 | -.235 | .136 | .166 | -.763 |
| 90 | 920 | .091 | .184 | .701 | -.784 | 90 | 1239 | -.231 | .125 | .243 | -.617 | 90 | 1933 | -.245 | .128 | .207 | -.677 |
| 90 | 921 | .123 | .193 | .636 | -.985 | 90 | 1240 | -.231 | .110 | .120 | -.621 | 90 | 1934 | -.242 | .122 | .224 | -.666 |
| 90 | 922 | .216 | .232 | .836 | -.153 | 90 | 1241 | -.225 | .132 | .253 | -.721 | 90 | 1935 | -.221 | .140 | .212 | -.735 |
| 90 | 923 | .010 | .217 | .925 | -.588 | 90 | 1242 | -.219 | .122 | .198 | -.691 | 90 | 1936 | -.231 | .134 | .238 | -.645 |
| 90 | 924 | .108 | .191 | .587 | -.758 | 90 | 1243 | -.218 | .129 | .236 | -.650 | 90 | 1937 | -.237 | .142 | .292 | -.688 |
| 90 | 925 | .232 | .169 | .489 | -.976 | 90 | 1244 | -.214 | .131 | .206 | -.626 | 90 | 1939 | -.232 | .120 | .183 | -.643 |
| 90 | 926 | .360 | .175 | .181 | -.021 | 90 | 1245 | -.213 | .131 | .234 | -.755 | 90 | 1941 | -.238 | .131 | .163 | -.679 |
| 90 | 927 | .421 | .170 | .140 | -.176 | 90 | 1248 | -.227 | .120 | .156 | -.669 | 90 | 1942 | -.250 | .130 | .177 | -.722 |
| 90 | 928 | .422 | .162 | .126 | -.043 | 90 | 1249 | -.218 | .124 | .255 | -.629 | 90 | 1943 | -.236 | .131 | .204 | -.754 |
| 90 | 929 | .151 | .168 | .514 | -.092 | 90 | 1250 | -.221 | .132 | .301 | -.671 | 90 | 1944 | -.234 | .128 | .223 | -.669 |
| 90 | 930 | .156 | .185 | .694 | -.248 | 90 | 1251 | -.224 | .113 | .199 | -.640 | 90 | 1945 | -.230 | .131 | .209 | -.732 |
| 90 | 931 | .198 | .214 | .738 | -.447 | 90 | 1252 | -.210 | .122 | .244 | -.671 | 90 | 1946 | -.233 | .126 | .142 | -.656 |
| 90 | 932 | .045 | .207 | .839 | -.827 | 90 | 1253 | -.211 | .130 | .234 | -.721 | 105 | 101 | -.498 | .187 | .042 | -1.222 |
| 90 | 933 | .153 | .186 | .747 | -.873 | 90 | 1254 | -.215 | .129 | .213 | -.653 | 105 | 102 | -.512 | .163 | -.002 | -1.057 |
| 90 | 934 | .257 | .161 | .568 | -.851 | 90 | 1257 | -.227 | .123 | .251 | -.629 | 105 | 103 | -.464 | .146 | .016 | -.956 |
| 90 | 935 | .341 | .169 | .175 | -.271 | 90 | 1258 | -.225 | .121 | .156 | -.614 | 105 | 104 | -.432 | .134 | .039 | -.849 |
| 90 | 936 | .411 | .159 | .037 | -.086 | 90 | 1259 | -.216 | .126 | .203 | -.612 | 105 | 105 | -.418 | .154 | .097 | -.992 |
| 90 | 937 | .341 | .146 | .169 | -.942 | 90 | 1260 | -.210 | .133 | .255 | -.669 | 105 | 106 | -.515 | .173 | .010 | -1.181 |
| 90 | 938 | .223 | .151 | .422 | -.885 | 90 | 1261 | -.216 | .143 | .244 | -.653 | 105 | 107 | -.489 | .157 | .041 | -.969 |
| 90 | 939 | .172 | .177 | .460 | -.612 | 90 | 1262 | -.200 | .132 | .248 | -.695 | 105 | 108 | -.475 | .144 | .016 | -1.039 |

| WD | TAP | CPNEAR | CPRMS | CPMAX | CPMIN | WD | TAP | CPNEAR | CPRMS | CPMAX | CPMIN | WD | TAP | CPNEAR | CPRMS | CPMAX | CPMIN |
|-----|-----|--------|-------|-------|-------|-----|-----|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|
| 105 | 109 | 434 | 139 | 029 | 926 | 105 | 235 | 176 | 151 | 323 | 745 | 105 | 312 | 743 | 219 | 184 | -2 147 |
| 105 | 110 | 429 | 131 | 025 | 924 | 105 | 236 | 301 | 284 | 335 | 727 | 105 | 313 | 675 | 190 | 168 | -1 692 |
| 105 | 111 | 525 | 190 | 029 | 186 | 105 | 237 | 333 | 388 | 606 | -2 397 | 105 | 314 | 760 | 258 | 213 | -2 274 |
| 105 | 112 | 456 | 142 | 040 | 921 | 105 | 238 | 289 | 124 | 119 | 777 | 105 | 401 | 126 | 212 | 600 | -1 303 |
| 105 | 113 | 440 | 125 | 056 | 913 | 105 | 239 | 242 | 132 | 176 | 685 | 105 | 402 | 187 | 256 | 848 | -1 978 |
| 105 | 114 | 426 | 130 | 019 | 844 | 105 | 240 | 291 | 125 | 222 | 661 | 105 | 403 | 190 | 286 | 420 | -1 683 |
| 105 | 115 | 511 | 150 | 025 | 117 | 105 | 241 | 162 | 125 | 223 | 564 | 105 | 404 | 023 | 241 | 099 | -1 810 |
| 105 | 116 | 569 | 164 | 026 | 138 | 105 | 242 | 142 | 136 | 290 | 932 | 105 | 405 | 054 | 190 | 760 | -1 720 |
| 105 | 117 | 476 | 148 | 008 | 117 | 105 | 243 | 147 | 131 | 234 | 805 | 105 | 501 | 693 | 158 | 147 | -1 291 |
| 105 | 118 | 450 | 135 | 036 | 943 | 105 | 244 | 167 | 147 | 443 | 957 | 105 | 502 | 619 | 161 | 133 | -1 186 |
| 105 | 119 | 471 | 134 | 051 | 963 | 105 | 245 | 404 | 285 | 381 | 143 | 105 | 503 | 630 | 151 | 100 | -1 097 |
| 105 | 120 | 440 | 134 | 061 | 955 | 105 | 246 | 371 | 265 | 491 | 106 | 105 | 504 | 633 | 164 | 107 | -1 232 |
| 105 | 121 | 438 | 136 | 061 | 955 | 105 | 247 | 314 | 123 | 678 | 854 | 105 | 505 | 547 | 148 | 059 | -1 097 |
| 105 | 122 | 421 | 126 | 084 | 925 | 105 | 248 | 240 | 136 | 203 | 654 | 105 | 506 | 512 | 164 | 135 | -1 983 |
| 105 | 123 | 434 | 142 | 008 | 980 | 105 | 249 | 186 | 124 | 263 | 660 | 105 | 507 | 459 | 170 | 272 | -1 078 |
| 105 | 124 | 422 | 132 | 017 | 929 | 105 | 250 | 169 | 124 | 216 | 745 | 105 | 508 | 466 | 168 | 307 | -1 030 |
| 105 | 125 | 321 | 128 | 092 | 111 | 105 | 251 | 153 | 119 | 334 | 689 | 105 | 509 | 479 | 180 | 424 | -1 208 |
| 105 | 126 | 241 | 120 | 097 | 105 | 105 | 252 | 137 | 126 | 258 | 603 | 105 | 901 | 293 | 189 | 314 | -1 944 |
| 105 | 127 | 287 | 199 | 097 | 105 | 105 | 253 | 156 | 156 | 430 | 892 | 105 | 902 | 198 | 201 | 484 | -1 031 |
| 105 | 128 | 287 | 199 | 097 | 105 | 105 | 254 | 403 | 156 | 667 | 729 | 105 | 903 | 138 | 185 | 499 | -1 794 |
| 105 | 129 | 370 | 192 | 111 | 105 | 105 | 255 | 352 | 274 | 392 | 752 | 105 | 904 | 388 | 183 | 300 | -1 140 |
| 105 | 130 | 490 | 224 | 162 | 114 | 105 | 256 | 243 | 207 | 267 | 617 | 105 | 905 | 477 | 179 | 197 | -1 162 |
| 105 | 131 | 526 | 178 | 099 | 105 | 105 | 257 | 245 | 118 | 283 | 640 | 105 | 906 | 608 | 192 | 072 | -1 610 |
| 105 | 132 | 722 | 328 | 177 | 105 | 105 | 258 | 184 | 124 | 297 | 660 | 105 | 907 | 698 | 194 | 042 | -1 385 |
| 105 | 133 | 847 | 328 | 697 | 105 | 105 | 259 | 167 | 123 | 225 | 594 | 105 | 908 | 740 | 167 | 126 | -1 423 |
| 105 | 134 | 176 | 129 | 311 | 105 | 105 | 260 | 147 | 131 | 330 | 558 | 105 | 909 | 792 | 155 | 195 | -1 562 |
| 105 | 135 | 150 | 126 | 232 | 105 | 105 | 261 | 134 | 129 | 317 | 501 | 105 | 910 | 091 | 171 | 528 | -1 992 |
| 105 | 136 | 131 | 134 | 365 | 105 | 105 | 262 | 132 | 140 | 334 | 739 | 105 | 911 | 116 | 182 | 650 | -1 114 |
| 105 | 137 | 160 | 145 | 304 | 105 | 105 | 263 | 396 | 293 | 375 | 912 | 105 | 912 | 143 | 229 | 643 | -1 274 |
| 105 | 138 | 238 | 145 | 261 | 105 | 105 | 264 | 489 | 236 | 207 | 942 | 105 | 913 | 033 | 225 | 823 | -1 784 |
| 105 | 139 | 417 | 148 | 211 | 105 | 105 | 265 | 222 | 123 | 249 | 631 | 105 | 914 | 247 | 181 | 378 | -1 851 |
| 105 | 140 | 441 | 151 | 135 | 105 | 105 | 266 | 225 | 124 | 207 | 613 | 105 | 915 | 401 | 188 | 423 | -1 077 |
| 105 | 141 | 437 | 159 | 051 | 105 | 105 | 267 | 169 | 124 | 256 | 611 | 105 | 916 | 564 | 196 | 115 | -1 317 |
| 105 | 142 | 509 | 244 | 320 | 105 | 105 | 268 | 163 | 120 | 288 | 540 | 105 | 917 | 686 | 161 | 140 | -1 241 |
| 105 | 143 | 705 | 362 | 631 | 105 | 105 | 269 | 151 | 131 | 285 | 569 | 105 | 918 | 758 | 191 | 072 | -1 485 |
| 105 | 144 | 117 | 166 | 243 | 105 | 105 | 270 | 121 | 138 | 472 | 569 | 105 | 919 | 807 | 166 | 320 | -1 466 |
| 105 | 145 | 185 | 111 | 201 | 105 | 105 | 271 | 109 | 128 | 296 | 616 | 105 | 920 | 068 | 160 | 453 | -1 609 |
| 105 | 146 | 156 | 133 | 276 | 105 | 105 | 272 | 336 | 245 | 384 | 479 | 105 | 921 | 079 | 180 | 568 | -1 851 |
| 105 | 147 | 154 | 133 | 326 | 105 | 105 | 273 | 524 | 240 | 225 | 752 | 105 | 922 | 117 | 261 | 627 | -1 358 |
| 105 | 148 | 176 | 140 | 312 | 105 | 105 | 301 | 811 | 178 | 161 | 680 | 105 | 923 | 144 | 246 | 166 | -1 592 |
| 105 | 149 | 219 | 146 | 383 | 105 | 105 | 302 | 744 | 162 | 188 | 407 | 105 | 924 | 051 | 211 | 662 | -1 725 |
| 105 | 150 | 245 | 145 | 261 | 105 | 105 | 303 | 777 | 174 | 221 | 593 | 105 | 925 | 250 | 215 | 704 | -1 877 |
| 105 | 151 | 370 | 324 | 397 | 105 | 105 | 304 | 794 | 164 | 270 | 411 | 105 | 926 | 371 | 181 | 015 | -1 214 |
| 105 | 152 | 584 | 375 | 563 | 105 | 105 | 305 | 792 | 166 | 242 | 316 | 105 | 927 | 646 | 159 | 133 | -1 262 |
| 105 | 153 | 451 | 147 | 002 | 105 | 105 | 306 | 771 | 171 | 224 | 504 | 105 | 928 | 493 | 159 | 039 | -1 045 |
| 105 | 154 | 259 | 134 | 168 | 105 | 105 | 307 | 752 | 180 | 266 | 381 | 105 | 929 | 230 | 139 | 245 | -1 746 |
| 105 | 155 | 198 | 124 | 234 | 105 | 105 | 308 | 740 | 180 | 236 | 438 | 105 | 930 | 210 | 177 | 416 | -1 926 |
| 105 | 156 | 168 | 125 | 261 | 105 | 105 | 309 | 754 | 187 | 247 | 508 | 105 | 931 | 331 | 248 | 484 | -1 676 |
| 105 | 157 | 157 | 125 | 200 | 105 | 105 | 310 | 756 | 252 | 138 | 436 | 105 | 932 | 043 | 208 | 091 | -1 587 |
| 105 | 158 | 160 | 133 | 330 | 105 | 105 | 311 | 741 | 195 | 211 | 680 | 105 | 933 | 060 | 196 | 552 | -1 722 |

| MD | TAP | CPNEAN | CPRHS | CPMAX | CPMIN | MD | TAP | CPNEAN | CPRHS | CPMAX | CPMIN | MD | TAP | CPNEAN | CPRHS | CPMAX | CPMIN | | | |
|----|-----|--------|-------|-------|-------|-----|------|--------|-------|-------|-------|-----|-----|--------|-------|-------|-------|------|---|-------|
| 10 | 934 | - | .221 | .669 | - | 105 | 1257 | - | .388 | .122 | .042 | 120 | 103 | - | .600 | .136 | - | .136 | - | 1.027 |
| 10 | 935 | - | .202 | .150 | - | 105 | 1258 | - | .374 | .135 | .111 | 120 | 104 | - | .575 | .130 | - | .170 | - | 1.039 |
| 10 | 936 | - | .194 | .083 | - | 105 | 1259 | - | .384 | .134 | .040 | 120 | 105 | - | .557 | .140 | - | .094 | - | 1.977 |
| 10 | 937 | - | .690 | .064 | - | 105 | 1260 | - | .386 | .138 | .199 | 120 | 106 | - | .667 | .154 | - | .053 | - | 1.172 |
| 10 | 938 | - | .133 | .089 | - | 105 | 1261 | - | .375 | .132 | .104 | 120 | 107 | - | .652 | .126 | - | .184 | - | 1.047 |
| 10 | 939 | - | .135 | .341 | - | 105 | 1262 | - | .388 | .128 | .117 | 120 | 108 | - | .597 | .135 | - | .038 | - | 1.085 |
| 10 | 940 | - | .279 | .307 | - | 105 | 1263 | - | .383 | .134 | .025 | 120 | 109 | - | .585 | .133 | - | .102 | - | 1.021 |
| 10 | 941 | - | .462 | .490 | - | 105 | 1264 | - | .377 | .130 | .144 | 120 | 110 | - | .561 | .128 | - | .088 | - | 1.986 |
| 10 | 942 | - | .051 | .611 | - | 105 | 1265 | - | .383 | .131 | .043 | 120 | 111 | - | .676 | .148 | - | .215 | - | 1.172 |
| 10 | 943 | - | .194 | .374 | - | 105 | 1266 | - | .395 | .130 | .133 | 120 | 112 | - | .641 | .136 | - | .186 | - | 1.209 |
| 10 | 944 | - | .553 | .293 | - | 105 | 1267 | - | .409 | .141 | .074 | 120 | 113 | - | .611 | .121 | - | .196 | - | 1.996 |
| 10 | 945 | - | .773 | .213 | - | 105 | 1268 | - | .393 | .133 | .040 | 120 | 114 | - | .576 | .133 | - | .115 | - | 1.055 |
| 10 | 946 | - | .378 | .026 | - | 105 | 1269 | - | .377 | .128 | .065 | 120 | 115 | - | .679 | .158 | - | .160 | - | 1.281 |
| 10 | 947 | - | .141 | .019 | - | 105 | 1270 | - | .392 | .139 | .140 | 120 | 116 | - | .703 | .160 | - | .093 | - | 1.217 |
| 10 | 948 | - | .416 | .093 | - | 105 | 1271 | - | .388 | .148 | .168 | 120 | 117 | - | .664 | .144 | - | .144 | - | 1.103 |
| 10 | 949 | - | .413 | .047 | - | 105 | 1272 | - | .397 | .140 | .033 | 120 | 118 | - | .638 | .135 | - | .123 | - | 1.095 |
| 10 | 950 | - | .399 | .038 | - | 105 | 1273 | - | .360 | .135 | .093 | 120 | 119 | - | .630 | .150 | - | .194 | - | 1.183 |
| 10 | 951 | - | .405 | .059 | - | 105 | 1274 | - | .419 | .140 | .057 | 120 | 120 | - | .595 | .136 | - | .113 | - | 1.149 |
| 10 | 952 | - | .394 | .059 | - | 105 | 1275 | - | .343 | .121 | .064 | 120 | 121 | - | .639 | .150 | - | .044 | - | 1.352 |
| 10 | 953 | - | .386 | .060 | - | 105 | 1276 | - | .391 | .130 | .048 | 120 | 122 | - | .639 | .174 | - | .059 | - | 1.045 |
| 10 | 954 | - | .384 | .167 | - | 105 | 1277 | - | .291 | .125 | .218 | 120 | 123 | - | .622 | .134 | - | .084 | - | 1.537 |
| 10 | 955 | - | .410 | .010 | - | 105 | 1278 | - | .400 | .127 | .067 | 120 | 124 | - | .581 | .139 | - | .104 | - | 1.078 |
| 10 | 956 | - | .381 | .074 | - | 105 | 1279 | - | .346 | .124 | .019 | 120 | 125 | - | .435 | .146 | - | .046 | - | 1.967 |
| 10 | 957 | - | .138 | .101 | - | 105 | 1280 | - | .397 | .132 | .088 | 120 | 126 | - | .331 | .146 | - | .446 | - | 1.965 |
| 10 | 958 | - | .130 | .056 | - | 105 | 1281 | - | .355 | .139 | .125 | 120 | 127 | - | .143 | .175 | - | .429 | - | 1.015 |
| 10 | 959 | - | .169 | .169 | - | 105 | 1282 | - | .381 | .136 | .127 | 120 | 128 | - | .779 | .191 | - | .182 | - | 1.495 |
| 10 | 960 | - | .398 | .059 | - | 105 | 1283 | - | .388 | .141 | .172 | 120 | 129 | - | .662 | .146 | - | .144 | - | 1.463 |
| 10 | 961 | - | .387 | .124 | - | 105 | 1284 | - | .389 | .127 | .101 | 120 | 130 | - | .633 | .186 | - | .193 | - | 1.792 |
| 10 | 962 | - | .383 | .206 | - | 105 | 1285 | - | .391 | .129 | .028 | 120 | 131 | - | .633 | .217 | - | .236 | - | 1.536 |
| 10 | 963 | - | .373 | .158 | - | 105 | 1286 | - | .387 | .132 | .066 | 120 | 132 | - | .664 | .182 | - | .468 | - | 1.830 |
| 10 | 964 | - | .383 | .008 | - | 105 | 1287 | - | .386 | .127 | .125 | 120 | 133 | - | .061 | .250 | - | .187 | - | 1.963 |
| 10 | 965 | - | .383 | .029 | - | 105 | 1288 | - | .384 | .131 | .043 | 120 | 134 | - | .061 | .115 | - | .190 | - | 1.635 |
| 10 | 966 | - | .383 | .083 | - | 105 | 1289 | - | .385 | .136 | .088 | 120 | 135 | - | .134 | .137 | - | .384 | - | 1.692 |
| 10 | 967 | - | .383 | .065 | - | 105 | 1290 | - | .373 | .135 | .074 | 120 | 136 | - | .092 | .130 | - | .316 | - | 1.537 |
| 10 | 968 | - | .383 | .072 | - | 105 | 1291 | - | .393 | .131 | .047 | 120 | 137 | - | .231 | .134 | - | .176 | - | 1.723 |
| 10 | 969 | - | .383 | .113 | - | 105 | 1292 | - | .400 | .115 | .023 | 120 | 138 | - | .308 | .131 | - | .134 | - | 1.743 |
| 10 | 970 | - | .383 | .106 | - | 105 | 1293 | - | .391 | .127 | .079 | 120 | 139 | - | .345 | .133 | - | .069 | - | 1.986 |
| 10 | 971 | - | .383 | .094 | - | 105 | 1294 | - | .390 | .131 | .096 | 120 | 140 | - | .360 | .152 | - | .035 | - | 1.104 |
| 10 | 972 | - | .383 | .094 | - | 105 | 1295 | - | .391 | .127 | .040 | 120 | 141 | - | .429 | .189 | - | .203 | - | 1.158 |
| 10 | 973 | - | .383 | .096 | - | 105 | 1296 | - | .397 | .128 | .079 | 120 | 142 | - | .829 | .271 | - | .180 | - | 1.653 |
| 10 | 974 | - | .383 | .095 | - | 105 | 1297 | - | .383 | .135 | .050 | 120 | 143 | - | .829 | .211 | - | .336 | - | 1.950 |
| 10 | 975 | - | .383 | .092 | - | 105 | 1298 | - | .393 | .122 | .062 | 120 | 144 | - | .179 | .114 | - | .232 | - | 1.606 |
| 10 | 976 | - | .383 | .113 | - | 105 | 1299 | - | .380 | .127 | .042 | 120 | 145 | - | .208 | .130 | - | .330 | - | 1.638 |
| 10 | 977 | - | .383 | .091 | - | 105 | 1300 | - | .381 | .123 | .110 | 120 | 146 | - | .119 | .141 | - | .334 | - | 1.371 |
| 10 | 978 | - | .383 | .120 | - | 105 | 1301 | - | .417 | .127 | .028 | 120 | 147 | - | .089 | .130 | - | .394 | - | 1.571 |
| 10 | 979 | - | .383 | .074 | - | 105 | 1302 | - | .400 | .127 | .081 | 120 | 148 | - | .079 | .137 | - | .455 | - | 1.531 |
| 10 | 980 | - | .383 | .031 | - | 105 | 1303 | - | .395 | .134 | .012 | 120 | 149 | - | .089 | .138 | - | .342 | - | 1.701 |
| 10 | 981 | - | .383 | .068 | - | 105 | 1304 | - | .406 | .136 | .067 | 120 | 150 | - | .097 | .198 | - | .502 | - | 1.938 |
| 10 | 982 | - | .383 | .094 | - | 105 | 1305 | - | .406 | .136 | .180 | 120 | 151 | - | .594 | .159 | - | .159 | - | 1.525 |
| 10 | 983 | - | .383 | .049 | - | 105 | 1306 | - | .424 | .140 | .111 | 120 | 152 | - | .726 | .212 | - | .012 | - | 1.696 |

| MD | TAP | CPNEAN | CPRNS | CPNAX | CPNIN | MD | TAP | CPNEAN | CPRNS | CPNAX | CPNIN | MD | TAP | CPNEAN | CPRNS | CPNAX | CPNIN |
|-----|-----|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|-----|------|--------|-------|-------|--------|
| 120 | 229 | .641 | .147 | .121 | -1.198 | 120 | 306 | .761 | .136 | .182 | -1.228 | 120 | 928 | .670 | .162 | .114 | -1.281 |
| 120 | 230 | .321 | .116 | .103 | .685 | 120 | 307 | .726 | .136 | .290 | -1.198 | 120 | 929 | .432 | .135 | .004 | -.917 |
| 120 | 231 | .127 | .124 | .266 | .549 | 120 | 308 | .727 | .131 | .268 | -1.176 | 120 | 930 | .504 | .160 | .012 | -1.472 |
| 120 | 232 | .067 | .124 | .358 | .464 | 120 | 309 | .719 | .132 | .319 | -1.164 | 120 | 931 | .713 | .247 | .015 | -1.931 |
| 120 | 233 | .010 | .130 | .454 | .464 | 120 | 310 | .718 | .130 | .334 | -1.123 | 120 | 932 | .151 | .193 | .815 | -.759 |
| 120 | 234 | .010 | .132 | .530 | .453 | 120 | 311 | .725 | .130 | .213 | -1.302 | 120 | 933 | .298 | .182 | .367 | -.930 |
| 120 | 235 | .005 | .173 | .530 | .474 | 120 | 312 | .700 | .149 | .191 | -1.302 | 120 | 934 | .208 | .248 | .208 | -.891 |
| 120 | 236 | .592 | .264 | .190 | .794 | 120 | 313 | .680 | .133 | .187 | -1.109 | 120 | 935 | .738 | .217 | .143 | -1.526 |
| 120 | 237 | .644 | .265 | .275 | .766 | 120 | 314 | .709 | .141 | .709 | -1.225 | 120 | 936 | .986 | .173 | .430 | -1.622 |
| 120 | 238 | .591 | .135 | .119 | .847 | 120 | 401 | .049 | .236 | .589 | -1.145 | 120 | 937 | .689 | .166 | .073 | -1.222 |
| 120 | 239 | .277 | .119 | .159 | .730 | 120 | 402 | .047 | .283 | .005 | -1.380 | 120 | 938 | .524 | .144 | .066 | -1.193 |
| 120 | 240 | .129 | .114 | .231 | .542 | 120 | 403 | .006 | .302 | .483 | -1.939 | 120 | 939 | .579 | .190 | .030 | -1.372 |
| 120 | 241 | .061 | .135 | .410 | .544 | 120 | 404 | .180 | .206 | .772 | -1.968 | 120 | 940 | .787 | .268 | .072 | -1.986 |
| 120 | 242 | .006 | .125 | .360 | .394 | 120 | 405 | .167 | .206 | .609 | -1.822 | 120 | 941 | .196 | .183 | .450 | -.984 |
| 120 | 243 | .015 | .135 | .448 | .571 | 120 | 501 | .939 | .149 | .424 | -1.437 | 120 | 942 | .401 | .173 | .096 | -1.476 |
| 120 | 244 | .067 | .187 | .544 | .786 | 120 | 502 | .909 | .139 | .483 | -1.383 | 120 | 943 | .402 | .193 | .415 | -1.441 |
| 120 | 245 | .494 | .207 | .325 | -1.440 | 120 | 503 | .886 | .128 | .428 | -1.350 | 120 | 944 | .637 | .261 | .334 | -1.556 |
| 120 | 246 | .433 | .190 | .132 | -1.418 | 120 | 504 | .862 | .155 | .360 | -1.547 | 120 | 945 | .048 | .158 | .437 | -1.698 |
| 120 | 247 | .418 | .137 | .171 | .832 | 120 | 505 | .776 | .153 | .265 | -1.285 | 120 | 946 | .764 | .137 | .309 | -1.243 |
| 120 | 248 | .275 | .130 | .179 | .697 | 120 | 506 | .714 | .170 | .134 | -1.293 | 120 | 1107 | .559 | .128 | .111 | -.984 |
| 120 | 249 | .132 | .124 | .253 | .529 | 120 | 507 | .653 | .168 | .006 | -1.114 | 120 | 1108 | .542 | .136 | .039 | -.972 |
| 120 | 250 | .070 | .127 | .477 | .560 | 120 | 508 | .639 | .181 | .093 | -1.221 | 120 | 1109 | .542 | .137 | .046 | -.993 |
| 120 | 251 | .010 | .118 | .376 | .480 | 120 | 509 | .633 | .184 | .096 | -1.165 | 120 | 1110 | .546 | .128 | .041 | -.976 |
| 120 | 252 | .024 | .141 | .519 | .417 | 120 | 901 | .445 | .180 | .139 | -1.200 | 120 | 1111 | .554 | .133 | .123 | -.927 |
| 120 | 253 | .078 | .189 | .569 | .771 | 120 | 902 | .557 | .304 | .179 | -2.316 | 120 | 1116 | .550 | .137 | .015 | -.984 |
| 120 | 254 | .393 | .194 | .190 | -1.489 | 120 | 903 | .170 | .193 | .381 | -1.875 | 120 | 1121 | .565 | .127 | .080 | -1.015 |
| 120 | 255 | .376 | .173 | .139 | .990 | 120 | 904 | .442 | .159 | .075 | -1.079 | 120 | 1126 | .568 | .128 | .134 | -1.051 |
| 120 | 256 | .318 | .137 | .159 | .879 | 120 | 905 | .542 | .194 | .184 | -1.297 | 120 | 1136 | .551 | .133 | .092 | -1.056 |
| 120 | 257 | .258 | .120 | .148 | .627 | 120 | 906 | .750 | .179 | .061 | -1.464 | 120 | 1221 | .528 | .133 | .089 | -1.080 |
| 120 | 258 | .122 | .124 | .318 | .509 | 120 | 907 | .814 | .146 | .314 | -1.413 | 120 | 1222 | .545 | .139 | .044 | -1.017 |
| 120 | 259 | .067 | .130 | .483 | .451 | 120 | 908 | .743 | .130 | .319 | -1.300 | 120 | 1223 | .534 | .131 | .123 | -1.108 |
| 120 | 260 | .002 | .139 | .493 | .524 | 120 | 909 | .750 | .134 | .357 | -1.318 | 120 | 1224 | .529 | .140 | .057 | -1.072 |
| 120 | 261 | .033 | .144 | .531 | .470 | 120 | 910 | .339 | .202 | .283 | -1.188 | 120 | 1225 | .545 | .128 | .123 | -.962 |
| 120 | 262 | .042 | .175 | .596 | .741 | 120 | 911 | .471 | .243 | .233 | -1.705 | 120 | 1226 | .534 | .129 | .085 | -1.017 |
| 120 | 263 | .388 | .202 | .322 | -1.147 | 120 | 912 | .704 | .387 | .220 | -3.196 | 120 | 1227 | .531 | .130 | .107 | -1.074 |
| 120 | 264 | .334 | .184 | .221 | -1.096 | 120 | 913 | .002 | .249 | .912 | -1.892 | 120 | 1230 | .542 | .125 | .103 | -.960 |
| 120 | 265 | .292 | .125 | .202 | .721 | 120 | 914 | .225 | .198 | .499 | -1.038 | 120 | 1231 | .530 | .129 | .068 | -.976 |
| 120 | 266 | .246 | .122 | .222 | .656 | 120 | 915 | .445 | .238 | .469 | -1.302 | 120 | 1232 | .557 | .125 | .143 | -.944 |
| 120 | 267 | .117 | .126 | .324 | .632 | 120 | 916 | .833 | .206 | .059 | -1.472 | 120 | 1233 | .518 | .140 | .016 | -.983 |
| 120 | 268 | .043 | .132 | .472 | .451 | 120 | 917 | .891 | .139 | .418 | -1.412 | 120 | 1234 | .550 | .123 | .102 | -.969 |
| 120 | 269 | .001 | .127 | .474 | .408 | 120 | 918 | .755 | .130 | .229 | -1.229 | 120 | 1235 | .535 | .129 | .048 | -1.047 |
| 120 | 270 | .048 | .142 | .519 | .453 | 120 | 919 | .764 | .139 | .340 | -1.198 | 120 | 1236 | .530 | .136 | .060 | -.969 |
| 120 | 271 | .009 | .176 | .600 | .551 | 120 | 920 | .396 | .165 | .137 | -1.249 | 120 | 1239 | .542 | .122 | .098 | -.940 |
| 120 | 272 | .304 | .198 | .466 | -1.368 | 120 | 921 | .551 | .211 | .129 | -1.660 | 120 | 1240 | .542 | .115 | .168 | -.894 |
| 120 | 273 | .283 | .194 | .479 | -1.382 | 120 | 922 | .760 | .294 | .231 | -2.209 | 120 | 1241 | .525 | .134 | .023 | -.931 |
| 120 | 301 | .732 | .128 | .325 | -1.198 | 120 | 923 | .028 | .297 | .075 | -1.797 | 120 | 1242 | .551 | .130 | .082 | -1.046 |
| 120 | 302 | .722 | .133 | .293 | -1.122 | 120 | 924 | .151 | .234 | .600 | -1.033 | 120 | 1243 | .547 | .130 | .066 | -1.030 |
| 120 | 303 | .751 | .123 | .330 | -1.177 | 120 | 925 | .190 | .257 | .606 | -1.028 | 120 | 1244 | .529 | .137 | .077 | -1.060 |
| 120 | 304 | .758 | .134 | .277 | -1.226 | 120 | 926 | .780 | .218 | .023 | -1.488 | 120 | 1245 | .548 | .138 | .105 | -1.064 |
| 120 | 305 | .757 | .135 | .250 | -1.207 | 120 | 927 | .934 | .169 | .422 | -1.587 | 120 | 1248 | .535 | .132 | .084 | -1.019 |

| UD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | UD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | UD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN |
|-----|------|--------|-------|-------|--------|-----|------|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|
| 120 | 1249 | .522 | .125 | -.051 | -.994 | 120 | 1943 | -.536 | .125 | -.078 | -1.012 | 135 | 223 | .086 | .159 | .540 | -.483 |
| 120 | 1250 | -.526 | .141 | -.092 | -1.021 | 120 | 1944 | -.523 | .133 | -.034 | -1.031 | 135 | 224 | .069 | .147 | .562 | -.430 |
| 120 | 1251 | -.542 | .123 | -.136 | -.990 | 120 | 1945 | -.541 | .124 | -.070 | -.976 | 135 | 225 | .128 | .145 | .618 | -.317 |
| 120 | 1252 | -.555 | .136 | -.069 | -1.008 | 120 | 1946 | -.537 | .123 | -.156 | -.984 | 135 | 226 | .182 | .151 | .666 | -.470 |
| 120 | 1253 | -.543 | .133 | -.046 | -1.065 | 135 | 101 | -.670 | .173 | -.131 | -1.761 | 135 | 227 | -.250 | .253 | .492 | -1.303 |
| 120 | 1254 | -.541 | .148 | -.009 | -1.096 | 135 | 102 | -.664 | .156 | -.117 | -1.192 | 135 | 228 | -.204 | .245 | .698 | -1.121 |
| 120 | 1257 | -.523 | .123 | -.064 | -.926 | 135 | 103 | -.638 | .160 | -.082 | -1.301 | 135 | 229 | -.689 | .146 | .199 | -1.159 |
| 120 | 1258 | -.506 | .139 | -.079 | -1.001 | 135 | 104 | -.631 | .159 | -.173 | -1.250 | 135 | 230 | -.261 | .137 | .186 | -.782 |
| 120 | 1259 | -.542 | .125 | -.011 | -.999 | 135 | 105 | -.626 | .157 | -.205 | -1.360 | 135 | 231 | -.021 | .146 | .479 | -.502 |
| 120 | 1260 | -.533 | .138 | -.009 | -.978 | 135 | 106 | -.682 | .134 | -.272 | -1.200 | 135 | 232 | .125 | .139 | .627 | -.417 |
| 120 | 1261 | -.529 | .146 | -.078 | -.981 | 135 | 107 | -.637 | .151 | -.077 | -1.190 | 135 | 233 | .205 | .143 | .726 | -.228 |
| 120 | 1262 | -.544 | .134 | -.046 | -1.005 | 135 | 108 | -.647 | .137 | -.165 | -1.213 | 135 | 234 | .274 | .153 | .761 | -.252 |
| 120 | 1263 | -.555 | .138 | -.028 | -1.094 | 135 | 109 | -.637 | .137 | -.131 | -1.116 | 135 | 235 | .308 | .167 | .848 | -.420 |
| 120 | 1264 | -.525 | .131 | -.044 | -.946 | 135 | 110 | -.638 | .142 | -.142 | -1.148 | 135 | 236 | -.006 | .276 | .863 | -1.097 |
| 120 | 1267 | -.536 | .133 | -.139 | -1.076 | 135 | 111 | -.653 | .144 | -.078 | -1.143 | 135 | 237 | -.092 | .251 | .609 | -.949 |
| 120 | 1268 | -.545 | .137 | -.071 | -1.010 | 135 | 112 | -.666 | .132 | -.233 | -1.167 | 135 | 238 | -.460 | .135 | .060 | -.959 |
| 120 | 1269 | -.545 | .133 | -.041 | -1.012 | 135 | 113 | -.658 | .129 | -.242 | -1.149 | 135 | 239 | -.225 | .130 | .251 | -.660 |
| 120 | 1270 | -.546 | .132 | -.105 | -.990 | 135 | 114 | -.651 | .133 | -.219 | -1.127 | 135 | 240 | -.002 | .134 | .473 | -.374 |
| 120 | 1271 | -.534 | .146 | -.002 | -1.005 | 135 | 115 | -.734 | .147 | -.295 | -1.459 | 135 | 241 | .107 | .147 | .709 | -.396 |
| 120 | 1272 | -.533 | .136 | -.037 | -1.001 | 135 | 116 | -.746 | .157 | -.267 | -1.337 | 135 | 242 | .195 | .149 | .768 | -.292 |
| 120 | 1303 | -.543 | .136 | -.090 | -1.046 | 135 | 120 | -.689 | .139 | -.267 | -1.267 | 135 | 243 | .278 | .159 | .946 | -.330 |
| 120 | 1305 | -.549 | .141 | -.033 | -.991 | 135 | 121 | -.677 | .139 | -.184 | -1.215 | 135 | 244 | .296 | .185 | .909 | -.537 |
| 120 | 1307 | -.536 | .134 | -.120 | -1.005 | 135 | 125 | -.679 | .151 | -.223 | -1.336 | 135 | 245 | .014 | .251 | .874 | -.841 |
| 120 | 1309 | -.555 | .131 | -.111 | -.960 | 135 | 126 | -.662 | .147 | -.140 | -1.274 | 135 | 246 | -.005 | .204 | .643 | -.907 |
| 120 | 1311 | -.502 | .123 | -.044 | -.910 | 135 | 130 | -.683 | .183 | -.061 | -1.396 | 135 | 247 | -.517 | .134 | .034 | -.949 |
| 120 | 1313 | -.541 | .130 | -.073 | -.989 | 135 | 131 | -.647 | .136 | -.142 | -1.130 | 135 | 248 | -.240 | .126 | .138 | -.713 |
| 120 | 1911 | -.442 | .124 | -.090 | -.871 | 135 | 135 | -.713 | .176 | -.043 | -1.399 | 135 | 249 | -.007 | .140 | .507 | -.422 |
| 120 | 1913 | -.322 | .145 | -.023 | -1.044 | 135 | 136 | -.647 | .141 | -.184 | -1.091 | 135 | 250 | .077 | .134 | .507 | -.396 |
| 120 | 1914 | -.493 | .139 | -.032 | -.914 | 135 | 201 | -.466 | .155 | .031 | -1.169 | 135 | 251 | .169 | .145 | .685 | -.311 |
| 120 | 1915 | -.550 | .141 | -.087 | -1.031 | 135 | 202 | -.324 | .157 | .219 | -.765 | 135 | 252 | .263 | .147 | .731 | -.252 |
| 120 | 1916 | -.510 | .132 | -.072 | -.970 | 135 | 203 | -.057 | .179 | .573 | -.841 | 135 | 253 | .264 | .177 | .768 | -.502 |
| 120 | 1917 | -.561 | .126 | -.144 | -.996 | 135 | 204 | -.535 | .173 | .456 | -1.077 | 135 | 254 | .024 | .191 | .841 | -.561 |
| 120 | 1918 | -.545 | .126 | -.109 | -1.005 | 135 | 205 | -.413 | .191 | .547 | -1.281 | 135 | 255 | .044 | .187 | .560 | -.811 |
| 120 | 1921 | -.551 | .122 | -.159 | -.934 | 135 | 206 | -.726 | .189 | -.150 | -1.611 | 135 | 256 | -.385 | .130 | .046 | -.863 |
| 120 | 1923 | -.543 | .132 | -.103 | -.939 | 135 | 207 | -.319 | .236 | .539 | -1.187 | 135 | 257 | -.248 | .127 | .162 | -.682 |
| 120 | 1924 | -.540 | .136 | -.101 | -1.094 | 135 | 208 | -.772 | .225 | -.133 | -1.561 | 135 | 258 | .008 | .137 | .466 | -.502 |
| 120 | 1925 | -.542 | .133 | -.080 | -.958 | 135 | 209 | -.745 | .242 | .053 | -1.402 | 135 | 259 | .088 | .130 | .548 | -.352 |
| 120 | 1926 | -.528 | .136 | -.070 | -1.012 | 135 | 210 | -.269 | .123 | .187 | -.708 | 135 | 260 | .198 | .151 | .750 | -.285 |
| 120 | 1927 | -.534 | .145 | -.039 | -1.129 | 135 | 211 | -.072 | .148 | .449 | -.704 | 135 | 261 | .251 | .143 | .716 | -.333 |
| 120 | 1928 | -.527 | .142 | -.030 | -.969 | 135 | 212 | -.002 | .156 | .584 | -.476 | 135 | 262 | .278 | .183 | .952 | -.398 |
| 120 | 1930 | -.544 | .119 | -.128 | -.958 | 135 | 213 | -.183 | .162 | .340 | -.732 | 135 | 263 | .057 | .199 | .854 | -.656 |
| 120 | 1932 | -.537 | .131 | -.016 | -1.015 | 135 | 214 | -.250 | .155 | .329 | -.831 | 135 | 264 | -.012 | .200 | .634 | -1.030 |
| 120 | 1933 | -.547 | .138 | -.034 | -1.003 | 135 | 215 | -.524 | .157 | .112 | -1.134 | 135 | 265 | .330 | .136 | .095 | -.822 |
| 120 | 1934 | -.558 | .128 | -.058 | -1.060 | 135 | 216 | -.479 | .155 | .062 | -.984 | 135 | 266 | -.173 | .124 | .234 | -.700 |
| 120 | 1935 | -.540 | .131 | -.097 | -.974 | 135 | 217 | -.288 | .178 | .324 | -.995 | 135 | 267 | .007 | .134 | .436 | -.585 |
| 120 | 1936 | -.535 | .135 | -.039 | -.994 | 135 | 218 | -.342 | .310 | .523 | -1.585 | 135 | 268 | .134 | .137 | .564 | -.274 |
| 120 | 1937 | -.551 | .143 | -.039 | -1.060 | 135 | 219 | -.529 | .210 | .163 | -1.303 | 135 | 269 | .206 | .140 | .766 | -.270 |
| 120 | 1939 | -.548 | .119 | -.109 | -.907 | 135 | 220 | -.213 | .122 | .215 | -.627 | 135 | 270 | .282 | .134 | .796 | -.116 |
| 120 | 1941 | -.542 | .120 | -.073 | -1.000 | 135 | 221 | -.157 | .135 | .384 | -.635 | 135 | 271 | .317 | .152 | .894 | -.164 |
| 120 | 1942 | -.531 | .125 | -.101 | -.976 | 135 | 222 | .011 | .157 | .518 | -.552 | 135 | 272 | .116 | .193 | .774 | -.621 |

| WD | TAP | CPNEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPNEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPNEAN | CPRMS | CPMAX | CPMIN |
|------|-----|--------|-------|-------|-------|------|------|--------|-------|-------|--------|------|------|--------|-------|-------|--------|
| 1335 | 273 | .117 | .187 | .088 | -.439 | 1335 | 922 | -.813 | .247 | -.143 | -2.141 | 1335 | 1241 | -.602 | .148 | -.060 | -1.127 |
| 1335 | 301 | -.757 | .132 | -.271 | -.169 | 1335 | 923 | -.381 | .183 | -.403 | -.925 | 1335 | 1242 | -.600 | .135 | -.174 | -1.079 |
| 1335 | 302 | -.753 | .128 | -.330 | -.128 | 1335 | 924 | -.494 | .159 | -.107 | -1.638 | 1335 | 1243 | -.620 | .133 | -.150 | -1.101 |
| 1335 | 303 | -.746 | .124 | -.338 | -.166 | 1335 | 925 | -.437 | .200 | -.358 | -1.113 | 1335 | 1244 | -.619 | .141 | -.101 | -1.090 |
| 1335 | 304 | -.719 | .134 | -.295 | -.204 | 1335 | 926 | -.770 | .226 | -.291 | -1.403 | 1335 | 1245 | -.607 | .148 | -.031 | -1.134 |
| 1335 | 305 | -.764 | .131 | -.315 | -.185 | 1335 | 927 | -.020 | .179 | -.412 | -1.588 | 1335 | 1248 | -.589 | .138 | -.170 | -1.049 |
| 1335 | 306 | -.743 | .126 | -.317 | -.124 | 1335 | 928 | -.820 | .150 | -.232 | -1.300 | 1335 | 1249 | -.592 | .138 | -.023 | -.976 |
| 1335 | 307 | -.733 | .135 | -.248 | -.189 | 1335 | 929 | -.617 | .196 | -.056 | -1.457 | 1335 | 1250 | -.593 | .140 | -.104 | -1.071 |
| 1335 | 308 | -.641 | .129 | -.268 | -.163 | 1335 | 930 | -.639 | .197 | -.007 | -2.048 | 1335 | 1251 | -.595 | .140 | -.077 | -1.020 |
| 1335 | 309 | -.751 | .136 | -.287 | -.217 | 1335 | 931 | -.814 | .268 | -.011 | -2.154 | 1335 | 1252 | -.624 | .136 | -.102 | -1.128 |
| 1335 | 310 | -.680 | .133 | -.231 | -.237 | 1335 | 932 | -.345 | .180 | -.394 | -1.028 | 1335 | 1253 | -.608 | .148 | -.009 | -1.235 |
| 1335 | 311 | -.703 | .139 | -.294 | -.146 | 1335 | 933 | -.523 | .194 | -.157 | -1.403 | 1335 | 1254 | -.621 | .138 | -.097 | -1.079 |
| 1335 | 312 | -.753 | .126 | -.360 | -.141 | 1335 | 934 | -.532 | .196 | -.364 | -1.189 | 1335 | 1257 | -.591 | .132 | -.178 | -1.066 |
| 1335 | 313 | -.708 | .133 | -.267 | -.122 | 1335 | 935 | -.716 | .215 | -.146 | -1.328 | 1335 | 1258 | -.578 | .148 | -.117 | -1.084 |
| 1335 | 314 | -.701 | .134 | -.233 | -.122 | 1335 | 936 | -.016 | .164 | -.451 | -1.762 | 1335 | 1259 | -.622 | .138 | -.117 | -1.125 |
| 1335 | 401 | -.358 | .198 | -.426 | -.974 | 1335 | 937 | -.817 | .151 | -.229 | -2.295 | 1335 | 1260 | -.609 | .143 | -.082 | -1.053 |
| 1335 | 402 | -.368 | .226 | -.801 | -.067 | 1335 | 938 | -.687 | .184 | -.124 | -2.322 | 1335 | 1261 | -.602 | .136 | -.121 | -1.195 |
| 1335 | 403 | -.369 | .214 | -.690 | -.125 | 1335 | 939 | -.715 | .251 | -.122 | -2.184 | 1335 | 1262 | -.582 | .142 | -.117 | -1.134 |
| 1335 | 404 | -.343 | .228 | -.644 | -.115 | 1335 | 940 | -.744 | .256 | -.101 | -2.402 | 1335 | 1263 | -.595 | .143 | -.126 | -1.106 |
| 1335 | 405 | -.256 | .240 | -.794 | -.979 | 1335 | 941 | -.345 | .207 | -.286 | -1.079 | 1335 | 1264 | -.517 | .132 | -.078 | -1.040 |
| 1335 | 501 | -.996 | .163 | -.437 | -.310 | 1335 | 942 | -.762 | .249 | -.092 | -1.847 | 1335 | 1267 | -.563 | .136 | -.128 | -1.187 |
| 1335 | 502 | -.946 | .148 | -.444 | -.515 | 1335 | 943 | -.804 | .321 | -.123 | -3.388 | 1335 | 1268 | -.616 | .131 | -.167 | -1.027 |
| 1335 | 503 | -.919 | .161 | -.376 | -.515 | 1335 | 944 | -.809 | .213 | -.070 | -2.007 | 1335 | 1269 | -.613 | .143 | -.093 | -1.206 |
| 1335 | 504 | -.958 | .168 | -.465 | -.515 | 1335 | 945 | -.047 | .137 | -.566 | -1.555 | 1335 | 1270 | -.609 | .137 | -.104 | -1.104 |
| 1335 | 505 | -.884 | .151 | -.384 | -.380 | 1335 | 946 | -.870 | .147 | -.437 | -1.436 | 1335 | 1271 | -.596 | .132 | -.143 | -1.068 |
| 1335 | 506 | -.814 | .136 | -.087 | -.318 | 1335 | 1107 | -.606 | .145 | -.119 | -1.083 | 1335 | 1272 | -.581 | .148 | -.037 | -1.040 |
| 1335 | 507 | -.814 | .148 | -.316 | -.276 | 1335 | 1108 | -.622 | .127 | -.238 | -1.035 | 1335 | 1303 | -.606 | .148 | -.135 | -1.189 |
| 1335 | 508 | -.809 | .154 | -.326 | -.306 | 1335 | 1109 | -.603 | .133 | -.132 | -1.055 | 1335 | 1305 | -.610 | .141 | -.074 | -1.104 |
| 1335 | 509 | -.817 | .147 | -.265 | -.133 | 1335 | 1110 | -.622 | .138 | -.140 | -1.127 | 1335 | 1307 | -.575 | .151 | -.053 | -1.087 |
| 1335 | 501 | -.676 | .182 | -.110 | -.369 | 1335 | 1111 | -.608 | .143 | -.154 | -1.106 | 1335 | 1309 | -.636 | .143 | -.075 | -1.152 |
| 1335 | 502 | -.705 | .206 | -.073 | -.707 | 1335 | 1116 | -.626 | .124 | -.242 | -1.033 | 1335 | 1311 | -.537 | .141 | -.128 | -1.073 |
| 1335 | 503 | -.379 | .193 | -.328 | -.012 | 1335 | 1121 | -.625 | .133 | -.214 | -1.066 | 1335 | 1313 | -.628 | .135 | -.093 | -1.104 |
| 1335 | 504 | -.609 | .199 | -.011 | -.329 | 1335 | 1126 | -.631 | .158 | -.144 | -1.104 | 1335 | 1911 | -.492 | .133 | -.033 | -.931 |
| 1335 | 505 | -.585 | .219 | -.134 | -.443 | 1335 | 1136 | -.629 | .136 | -.114 | -1.062 | 1335 | 1913 | -.634 | .143 | -.095 | -1.106 |
| 1335 | 506 | -.792 | .181 | -.013 | -.443 | 1335 | 1221 | -.596 | .132 | -.078 | -1.088 | 1335 | 1914 | -.552 | .143 | -.019 | -1.042 |
| 1335 | 507 | -.832 | .151 | -.319 | -.406 | 1335 | 1222 | -.616 | .143 | -.139 | -1.167 | 1335 | 1915 | -.616 | .153 | -.118 | -1.117 |
| 1335 | 508 | -.787 | .140 | -.288 | -.273 | 1335 | 1223 | -.606 | .135 | -.077 | -1.112 | 1335 | 1916 | -.587 | .144 | -.100 | -1.080 |
| 1335 | 509 | -.761 | .137 | -.342 | -.133 | 1335 | 1224 | -.592 | .143 | -.145 | -1.178 | 1335 | 1917 | -.606 | .157 | -.089 | -1.182 |
| 1335 | 910 | -.556 | .176 | -.019 | -.396 | 1335 | 1225 | -.571 | .132 | -.060 | -1.009 | 1335 | 1918 | -.608 | .152 | -.151 | -1.117 |
| 1335 | 911 | -.644 | .179 | -.038 | -.419 | 1335 | 1226 | -.597 | .134 | -.148 | -1.075 | 1335 | 1921 | -.612 | .139 | -.091 | -1.094 |
| 1335 | 912 | -.785 | .223 | -.185 | -.624 | 1335 | 1227 | -.600 | .140 | -.112 | -1.103 | 1335 | 1923 | -.611 | .133 | -.060 | -1.120 |
| 1335 | 913 | -.372 | .215 | -.716 | -.994 | 1335 | 1230 | -.601 | .136 | -.124 | -1.092 | 1335 | 1924 | -.616 | .149 | -.128 | -1.099 |
| 1335 | 914 | -.513 | .181 | -.185 | -.284 | 1335 | 1231 | -.506 | .134 | -.170 | -1.092 | 1335 | 1925 | -.623 | .141 | -.044 | -1.050 |
| 1335 | 915 | -.493 | .241 | -.362 | -.235 | 1335 | 1233 | -.597 | .128 | -.143 | -1.031 | 1335 | 1926 | -.624 | .148 | -.135 | -1.276 |
| 1335 | 916 | -.830 | .217 | -.337 | -.990 | 1335 | 1235 | -.606 | .132 | -.071 | -1.047 | 1335 | 1927 | -.625 | .154 | -.040 | -1.096 |
| 1335 | 917 | -.876 | .170 | -.344 | -.300 | 1335 | 1234 | -.613 | .131 | -.156 | -1.036 | 1335 | 1928 | -.612 | .151 | -.053 | -1.146 |
| 1335 | 918 | -.777 | .140 | -.296 | -.222 | 1335 | 1235 | -.627 | .141 | -.154 | -1.077 | 1335 | 1930 | -.606 | .149 | -.130 | -1.090 |
| 1335 | 919 | -.798 | .145 | -.344 | -.251 | 1335 | 1236 | -.609 | .144 | -.158 | -1.189 | 1335 | 1932 | -.605 | .124 | -.161 | -1.090 |
| 1335 | 920 | -.501 | .174 | -.006 | -.109 | 1335 | 1239 | -.609 | .131 | -.093 | -1.104 | 1335 | 1933 | -.614 | .146 | -.135 | -1.257 |
| 1335 | 921 | -.595 | .170 | -.620 | -.217 | 1335 | 1240 | -.603 | .130 | -.163 | -.985 | 1335 | 1934 | -.608 | .144 | -.037 | -1.113 |

| UD | TAP | CPHEAN | CPRMS | CPMAX | CPNIN | UD | TAP | CPHEAN | CPRMS | CPMAX | CPNIN | UD | TAP | CPHEAN | CPRMS | CPMAX | CPNIN |
|-----|------|--------|-------|-------|-------|-----|-----|--------|-------|-------|--------|-----|-----|--------|-------|-------|-------|
| 133 | 1935 | .618 | .148 | .114 | -.246 | 150 | 217 | .146 | .164 | .372 | -.832 | 150 | 267 | .184 | .143 | .743 | -.281 |
| 133 | 1936 | .616 | .149 | .102 | -.246 | 150 | 218 | .150 | .200 | .663 | -.742 | 150 | 268 | .301 | .158 | .946 | -.227 |
| 133 | 1937 | .613 | .144 | .119 | -.075 | 150 | 219 | .059 | .229 | .731 | -.670 | 150 | 269 | .388 | .150 | .937 | -.057 |
| 133 | 1939 | .606 | .146 | .056 | -.066 | 150 | 220 | .143 | .130 | .233 | -.360 | 150 | 270 | .493 | .159 | .948 | -.043 |
| 133 | 1941 | .604 | .146 | .172 | -.073 | 150 | 221 | .016 | .150 | .310 | -.478 | 150 | 271 | .319 | .162 | 1.116 | .026 |
| 133 | 1942 | .620 | .132 | .156 | -.066 | 150 | 222 | .208 | .165 | .767 | -.398 | 150 | 272 | .474 | .175 | 1.051 | -.159 |
| 133 | 1943 | .618 | .152 | .054 | -.059 | 150 | 223 | .280 | .158 | .848 | -.216 | 150 | 273 | .432 | .198 | 1.174 | -.273 |
| 133 | 1944 | .602 | .138 | .189 | -.103 | 150 | 224 | .291 | .173 | .839 | -.232 | 150 | 301 | .661 | .123 | -.236 | -.191 |
| 133 | 1945 | .624 | .136 | .205 | -.096 | 150 | 225 | .326 | .166 | 1.000 | -.229 | 150 | 302 | .662 | .130 | -.249 | -.106 |
| 133 | 1946 | .595 | .143 | .160 | -.089 | 150 | 226 | .386 | .173 | .988 | -.197 | 150 | 303 | .718 | .133 | -.256 | -.133 |
| 130 | 101 | .663 | .183 | .072 | -.165 | 150 | 227 | .409 | .251 | 1.072 | -.690 | 150 | 304 | .628 | .130 | -.116 | -.050 |
| 130 | 102 | .842 | .172 | .102 | -.353 | 150 | 228 | .297 | .256 | 1.019 | -.506 | 150 | 305 | .702 | .150 | -.180 | -.133 |
| 130 | 103 | .682 | .177 | .115 | -.231 | 150 | 229 | .630 | .150 | .163 | -1.139 | 150 | 306 | .648 | .121 | -.273 | -.066 |
| 130 | 104 | .655 | .162 | .147 | -.137 | 150 | 230 | .091 | .137 | .338 | -.616 | 150 | 307 | .707 | .136 | -.225 | -.124 |
| 130 | 105 | .665 | .162 | .088 | -.355 | 150 | 231 | .203 | .151 | .797 | -.233 | 150 | 308 | .640 | .132 | -.181 | -.029 |
| 130 | 106 | .686 | .186 | .072 | -.347 | 150 | 232 | .320 | .150 | .741 | -.101 | 150 | 309 | .698 | .134 | -.252 | -.126 |
| 130 | 107 | .645 | .161 | .157 | -.241 | 150 | 233 | .419 | .147 | .885 | -.074 | 150 | 310 | .655 | .134 | -.262 | -.089 |
| 130 | 108 | .641 | .143 | .128 | -.058 | 150 | 234 | .472 | .159 | .962 | -.085 | 150 | 311 | .695 | .131 | -.284 | -.147 |
| 130 | 109 | .687 | .154 | .075 | -.172 | 150 | 235 | .496 | .163 | .964 | -.024 | 150 | 312 | .661 | .130 | -.269 | -.116 |
| 130 | 110 | .652 | .150 | .189 | -.111 | 150 | 236 | .464 | .253 | 1.278 | -.853 | 150 | 313 | .689 | .150 | -.157 | -.130 |
| 130 | 111 | .661 | .131 | .153 | -.174 | 150 | 237 | .475 | .223 | 1.172 | -.271 | 150 | 314 | .607 | .117 | -.163 | -.029 |
| 130 | 112 | .692 | .168 | .174 | -.111 | 150 | 238 | .436 | .119 | .036 | -.850 | 150 | 401 | .439 | .194 | -.159 | -.129 |
| 130 | 113 | .678 | .159 | .259 | -.111 | 150 | 239 | .082 | .135 | .382 | -.534 | 150 | 402 | .448 | .208 | .343 | -.181 |
| 130 | 114 | .687 | .149 | .202 | -.111 | 150 | 240 | .158 | .142 | .889 | -.241 | 150 | 403 | .437 | .227 | .508 | -.151 |
| 130 | 115 | .686 | .150 | .079 | -.227 | 150 | 241 | .299 | .149 | .729 | -.199 | 150 | 404 | .450 | .241 | .432 | -.139 |
| 130 | 116 | .678 | .155 | .091 | -.334 | 150 | 242 | .394 | .153 | .830 | -.227 | 150 | 405 | .468 | .233 | .529 | -.148 |
| 130 | 120 | .693 | .161 | .214 | -.111 | 150 | 243 | .476 | .152 | 1.013 | -.017 | 150 | 501 | .985 | .151 | -.529 | -.133 |
| 130 | 121 | .677 | .159 | .164 | -.111 | 150 | 244 | .522 | .177 | 1.083 | -.004 | 150 | 502 | .985 | .145 | -.481 | -.146 |
| 130 | 125 | .668 | .189 | .104 | -.111 | 150 | 245 | .444 | .246 | 1.121 | -.416 | 150 | 503 | .942 | .172 | -.341 | -.150 |
| 130 | 126 | .668 | .177 | .164 | -.111 | 150 | 246 | .391 | .188 | 1.013 | -.411 | 150 | 504 | 1.029 | .192 | -.440 | -.134 |
| 130 | 130 | .704 | .173 | .134 | -.450 | 150 | 247 | .443 | .140 | .100 | -.876 | 150 | 505 | .988 | .153 | -.519 | -.144 |
| 130 | 131 | .673 | .164 | .121 | -.394 | 150 | 248 | .130 | .137 | .343 | -.648 | 150 | 506 | .861 | .168 | -.387 | -.148 |
| 130 | 135 | .700 | .184 | .113 | -.014 | 150 | 249 | .169 | .149 | .718 | -.381 | 150 | 507 | .824 | .160 | -.230 | -.130 |
| 130 | 136 | .675 | .148 | .157 | -.271 | 150 | 250 | .293 | .149 | .815 | -.197 | 150 | 508 | .831 | .191 | -.230 | -.146 |
| 130 | 201 | .361 | .160 | .194 | -.996 | 150 | 251 | .352 | .135 | .795 | -.044 | 150 | 509 | .846 | .194 | -.248 | -.150 |
| 130 | 202 | .196 | .165 | .344 | -.764 | 150 | 252 | .439 | .160 | .957 | -.041 | 150 | 901 | .669 | .173 | -.076 | -.182 |
| 130 | 203 | .048 | .174 | .700 | -.555 | 150 | 253 | .469 | .143 | 1.029 | -.031 | 150 | 902 | .618 | .217 | -.122 | -.159 |
| 130 | 204 | .213 | .189 | .680 | -.766 | 150 | 254 | .420 | .189 | 1.125 | -.390 | 150 | 903 | .475 | .183 | -.246 | -.125 |
| 130 | 205 | .025 | .232 | .653 | -.078 | 150 | 255 | .373 | .164 | 1.031 | -.184 | 150 | 904 | .580 | .173 | -.086 | -.126 |
| 130 | 206 | .304 | .252 | .903 | -.197 | 150 | 256 | .336 | .121 | .137 | -.763 | 150 | 905 | .619 | .182 | -.174 | -.140 |
| 130 | 207 | .102 | .170 | .445 | -.709 | 150 | 257 | .153 | .119 | .194 | -.602 | 150 | 906 | .709 | .212 | -.467 | -.149 |
| 130 | 208 | .297 | .216 | .443 | -.198 | 150 | 258 | .164 | .129 | .573 | -.279 | 150 | 907 | .852 | .180 | -.302 | -.148 |
| 130 | 209 | .285 | .244 | .698 | -.235 | 150 | 259 | .262 | .147 | .713 | -.295 | 150 | 908 | .841 | .193 | -.309 | -.150 |
| 130 | 210 | .206 | .130 | .250 | -.733 | 150 | 260 | .370 | .141 | .801 | -.127 | 150 | 909 | .767 | .131 | -.257 | -.126 |
| 130 | 211 | .053 | .148 | .686 | -.496 | 150 | 261 | .428 | .165 | 1.026 | -.073 | 150 | 910 | .596 | .201 | -.092 | -.148 |
| 130 | 212 | .146 | .166 | .813 | -.383 | 150 | 262 | .468 | .144 | 1.009 | -.062 | 150 | 911 | .626 | .173 | -.090 | -.139 |
| 130 | 213 | .056 | .149 | .417 | -.508 | 150 | 263 | .417 | .186 | 1.183 | -.167 | 150 | 912 | .705 | .222 | -.033 | -.024 |
| 130 | 214 | .145 | .165 | .483 | -.684 | 150 | 264 | .331 | .175 | .924 | -.217 | 150 | 913 | .440 | .170 | -.147 | -.036 |
| 130 | 215 | .393 | .173 | .142 | -.977 | 150 | 265 | .278 | .117 | .117 | -.728 | 150 | 914 | .604 | .168 | -.118 | -.198 |
| 130 | 216 | .399 | .154 | .344 | -.918 | 150 | 266 | .086 | .139 | .439 | -.539 | 150 | 915 | .623 | .185 | -.280 | -.148 |

| #D | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | #D | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | #D | TAP | CPMEAN | CPRMS | CPMAX | CPMIN |
|-----|------|--------|-------|-------|--------|-----|------|--------|-------|-------|--------|-----|------|--------|-------|-------|--------|
| 150 | 916 | -.709 | .221 | -.239 | -1.500 | 150 | 1233 | -.603 | .124 | -.195 | -.989 | 150 | 1927 | -.635 | .154 | -.119 | -1.195 |
| 150 | 917 | -.862 | .193 | -.230 | -1.640 | 150 | 1234 | -.577 | .127 | -.094 | -.958 | 150 | 1928 | -.635 | .151 | -.144 | -1.353 |
| 150 | 918 | -.859 | .182 | -.340 | -1.416 | 150 | 1235 | -.564 | .136 | -.110 | -.982 | 150 | 1930 | -.620 | .162 | -.144 | -1.131 |
| 150 | 919 | -.808 | .153 | -.372 | -1.477 | 150 | 1236 | -.578 | .145 | -.018 | -1.044 | 150 | 1932 | -.633 | .145 | -.242 | -1.069 |
| 150 | 920 | -.639 | .191 | -.061 | -1.442 | 150 | 1239 | -.563 | .139 | -.104 | -1.010 | 150 | 1933 | -.639 | .137 | -.252 | -1.124 |
| 150 | 921 | -.676 | .192 | -.087 | -1.395 | 150 | 1240 | -.586 | .122 | -.165 | -1.024 | 150 | 1934 | -.638 | .164 | -.134 | -1.310 |
| 150 | 922 | -.747 | .260 | -.095 | -1.893 | 150 | 1241 | -.573 | .141 | -.066 | -1.050 | 150 | 1935 | -.640 | .153 | -.093 | -1.138 |
| 150 | 923 | -.482 | .204 | -.405 | -1.063 | 150 | 1242 | -.369 | .139 | -.127 | -1.135 | 150 | 1936 | -.635 | .137 | -.091 | -1.141 |
| 150 | 924 | -.620 | .205 | -.144 | -1.858 | 150 | 1243 | -.399 | .130 | -.157 | -1.046 | 150 | 1937 | -.636 | .163 | -.116 | -1.205 |
| 150 | 925 | -.644 | .195 | -.167 | -1.681 | 150 | 1244 | -.389 | .147 | -.137 | -1.079 | 150 | 1939 | -.638 | .140 | -.206 | -1.093 |
| 150 | 926 | -.761 | .189 | -.085 | -1.423 | 150 | 1245 | -.507 | .139 | -.066 | -1.166 | 150 | 1941 | -.645 | .139 | -.217 | -1.067 |
| 150 | 927 | -.945 | .179 | -.352 | -1.572 | 150 | 1248 | -.576 | .138 | -.110 | -1.036 | 150 | 1942 | -.616 | .154 | -.151 | -1.109 |
| 150 | 928 | -.841 | .169 | -.225 | -1.450 | 150 | 1249 | -.587 | .129 | -.179 | -.964 | 150 | 1943 | -.623 | .131 | -.185 | -1.099 |
| 150 | 929 | -.705 | .191 | -.022 | -1.665 | 150 | 1250 | -.579 | .124 | -.198 | -1.027 | 150 | 1944 | -.644 | .138 | -.196 | -1.152 |
| 150 | 930 | -.694 | .214 | -.041 | -1.516 | 150 | 1251 | -.577 | .131 | -.003 | -1.117 | 150 | 1945 | -.633 | .144 | -.158 | -1.137 |
| 150 | 931 | -.797 | .248 | -.015 | -2.197 | 150 | 1252 | -.556 | .135 | -.021 | -.982 | 150 | 1946 | -.639 | .164 | -.142 | -1.239 |
| 150 | 932 | -.496 | .217 | -.391 | -1.212 | 150 | 1253 | -.580 | .130 | -.190 | -1.079 | 165 | 101 | -.714 | .271 | -.077 | -2.124 |
| 150 | 933 | -.634 | .193 | -.090 | -1.756 | 150 | 1254 | -.591 | .129 | -.197 | -1.074 | 165 | 102 | -.700 | .234 | -.012 | -2.936 |
| 150 | 934 | -.714 | .248 | -.145 | -2.344 | 150 | 1257 | -.588 | .128 | -.198 | -.991 | 165 | 103 | -.702 | .215 | -.176 | -2.042 |
| 150 | 935 | -.851 | .205 | -.162 | -1.728 | 150 | 1258 | -.574 | .122 | -.170 | -1.008 | 165 | 104 | -.688 | .204 | -.030 | -1.585 |
| 150 | 936 | -.985 | .156 | -.487 | -1.604 | 150 | 1259 | -.597 | .137 | -.117 | -1.041 | 165 | 105 | -.726 | .183 | -.188 | -1.663 |
| 150 | 937 | -.866 | .161 | -.243 | -1.523 | 150 | 1260 | -.602 | .137 | -.179 | -1.114 | 165 | 106 | -.708 | .240 | -.019 | -1.904 |
| 150 | 938 | -.762 | .206 | -.140 | -1.708 | 150 | 1261 | -.572 | .134 | -.155 | -1.051 | 165 | 107 | -.687 | .223 | -.024 | -1.972 |
| 150 | 939 | -.739 | .194 | -.066 | -1.946 | 150 | 1262 | -.578 | .137 | -.087 | -1.008 | 165 | 108 | -.672 | .170 | -.106 | -1.279 |
| 150 | 940 | -.773 | .243 | -.076 | -2.363 | 150 | 1263 | -.591 | .135 | -.111 | -1.074 | 165 | 109 | -.697 | .168 | -.105 | -1.444 |
| 150 | 941 | -.521 | .210 | -.210 | -1.248 | 150 | 1266 | -.580 | .135 | -.058 | -1.051 | 165 | 110 | -.666 | .180 | -.128 | -1.281 |
| 150 | 942 | -.854 | .253 | -.608 | -1.980 | 150 | 1267 | -.595 | .143 | -.146 | -1.037 | 165 | 111 | -.703 | .175 | -.145 | -1.432 |
| 150 | 943 | -.102 | .354 | -.060 | -2.542 | 150 | 1268 | -.590 | .139 | -.129 | -1.095 | 165 | 112 | -.712 | .179 | -.200 | -1.437 |
| 150 | 944 | -.080 | .316 | -.239 | -2.947 | 150 | 1269 | -.576 | .140 | -.111 | -1.091 | 165 | 113 | -.675 | .170 | -.104 | -1.505 |
| 150 | 945 | -.025 | .159 | -.549 | -1.606 | 150 | 1270 | -.597 | .132 | -.167 | -1.053 | 165 | 114 | -.680 | .178 | -.090 | -1.283 |
| 150 | 946 | -.981 | .167 | -.497 | -1.686 | 150 | 1271 | -.571 | .152 | -.014 | -1.070 | 165 | 115 | -.720 | .210 | -.157 | -1.618 |
| 150 | 1107 | -.620 | .155 | -.079 | -1.166 | 150 | 1272 | -.599 | .137 | -.106 | -1.060 | 165 | 116 | -.688 | .205 | -.112 | -1.544 |
| 150 | 1108 | -.613 | .140 | -.151 | -1.010 | 150 | 1303 | -.640 | .146 | -.116 | -1.195 | 165 | 120 | -.746 | .221 | -.197 | -1.768 |
| 150 | 1109 | -.649 | .153 | -.151 | -1.109 | 150 | 1305 | -.607 | .168 | -.064 | -1.182 | 165 | 121 | -.715 | .193 | -.238 | -1.527 |
| 150 | 1110 | -.627 | .152 | -.107 | -1.140 | 150 | 1307 | -.614 | .149 | -.050 | -1.097 | 165 | 125 | -.730 | .231 | -.139 | -1.676 |
| 150 | 1111 | -.625 | .151 | -.125 | -1.129 | 150 | 1309 | -.632 | .150 | -.084 | -1.118 | 165 | 126 | -.709 | .206 | -.064 | -1.909 |
| 150 | 1116 | -.638 | .151 | -.139 | -1.184 | 150 | 1311 | -.574 | .141 | -.048 | -1.063 | 165 | 130 | -.785 | .253 | -.111 | -2.075 |
| 150 | 1121 | -.647 | .157 | -.139 | -1.303 | 150 | 1313 | -.642 | .153 | -.134 | -1.168 | 165 | 131 | -.700 | .210 | -.117 | -1.528 |
| 150 | 1126 | -.637 | .161 | -.141 | -1.298 | 150 | 1911 | -.519 | .143 | -.098 | -1.015 | 165 | 135 | -.753 | .253 | -.158 | -2.061 |
| 150 | 1136 | -.635 | .142 | -.141 | -1.184 | 150 | 1913 | -.621 | .143 | -.111 | -1.101 | 165 | 136 | -.666 | .186 | -.167 | -1.398 |
| 150 | 1221 | -.375 | .139 | -.056 | -1.055 | 150 | 1914 | -.573 | .146 | -.071 | -1.099 | 165 | 201 | -.235 | .175 | -.370 | -.891 |
| 150 | 1222 | -.601 | .134 | -.124 | -1.088 | 150 | 1915 | -.647 | .151 | -.160 | -1.195 | 165 | 202 | -.085 | .181 | -.572 | -.723 |
| 150 | 1223 | -.585 | .127 | -.160 | -1.017 | 150 | 1916 | -.619 | .143 | -.171 | -1.166 | 165 | 203 | -.092 | .189 | -.704 | -.636 |
| 150 | 1224 | -.577 | .130 | -.139 | -1.008 | 150 | 1917 | -.627 | .165 | -.093 | -1.202 | 165 | 204 | -.022 | .246 | 1.490 | -.804 |
| 150 | 1225 | -.603 | .132 | -.172 | -1.046 | 150 | 1918 | -.641 | .163 | -.111 | -1.239 | 165 | 205 | -.345 | .235 | 1.035 | -.522 |
| 150 | 1226 | -.569 | .133 | -.094 | -1.048 | 150 | 1921 | -.633 | .169 | -.064 | -1.218 | 165 | 206 | -.045 | .284 | 1.098 | -.503 |
| 150 | 1227 | -.370 | .131 | -.137 | -1.041 | 150 | 1923 | -.636 | .146 | -.084 | -1.140 | 165 | 207 | -.100 | .200 | -.684 | -.988 |
| 150 | 1230 | -.550 | .135 | -.137 | -1.050 | 150 | 1924 | -.651 | .160 | -.121 | -1.260 | 165 | 208 | -.055 | .263 | -.776 | -.073 |
| 150 | 1231 | -.593 | .114 | -.216 | -.984 | 150 | 1925 | -.632 | .154 | -.086 | -1.106 | 165 | 209 | -.051 | .228 | -.724 | -.755 |
| 150 | 1232 | -.576 | .144 | -.150 | -1.166 | 150 | 1926 | -.651 | .146 | -.187 | -1.198 | 165 | 210 | -.130 | .154 | -.415 | -.640 |

| MD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | MD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | MD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN |
|-----|-----|--------|-------|-------|-------|-----|-----|--------|-------|-------|--------|-----|------|--------|-------|-------|--------|
| 165 | 211 | .187 | .192 | .832 | -.477 | 165 | 261 | .570 | .157 | 1.159 | .025 | 165 | 910 | -.611 | .201 | .101 | -1.677 |
| 165 | 212 | .251 | .204 | .883 | -.340 | 165 | 262 | .566 | .165 | 1.159 | .063 | 165 | 911 | -.625 | .189 | -.072 | -1.333 |
| 165 | 213 | .037 | .174 | .570 | -.618 | 165 | 263 | .588 | .159 | 1.060 | .033 | 165 | 912 | -.692 | .247 | -.099 | -2.023 |
| 165 | 214 | .063 | .167 | .608 | -.629 | 165 | 264 | .575 | .165 | 1.118 | -.055 | 165 | 913 | -.306 | .184 | .115 | -1.216 |
| 165 | 215 | .271 | .184 | .271 | -.992 | 165 | 265 | -.239 | .134 | .346 | -.723 | 165 | 914 | -.360 | .174 | .151 | -1.621 |
| 165 | 216 | .299 | .199 | .341 | -.894 | 165 | 266 | .049 | .141 | .655 | -.524 | 165 | 915 | -.629 | .190 | -.077 | -2.113 |
| 165 | 217 | .049 | .175 | .523 | -.652 | 165 | 267 | .348 | .164 | .911 | -.111 | 165 | 916 | -.688 | .204 | -.081 | -1.500 |
| 165 | 218 | .357 | .175 | .830 | -.553 | 165 | 268 | .523 | .181 | 1.133 | .062 | 165 | 917 | -.727 | .180 | -.093 | -1.618 |
| 165 | 219 | .423 | .224 | 1.040 | -.203 | 165 | 269 | .588 | .164 | 1.128 | .123 | 165 | 918 | -.697 | .195 | -.021 | -1.637 |
| 165 | 220 | .064 | .139 | .426 | -.504 | 165 | 270 | .621 | .183 | 1.415 | -.067 | 165 | 919 | -.630 | .149 | -.126 | -1.147 |
| 165 | 221 | .181 | .171 | .766 | -.395 | 165 | 271 | .630 | .188 | 1.302 | -.077 | 165 | 920 | -.682 | .221 | -.064 | -1.787 |
| 165 | 222 | .372 | .186 | .982 | -.162 | 165 | 272 | .589 | .164 | 1.226 | -.022 | 165 | 921 | -.697 | .197 | -.069 | -1.398 |
| 165 | 223 | .451 | .184 | 1.037 | -.144 | 165 | 273 | .590 | .171 | 1.103 | .103 | 165 | 922 | -.766 | .258 | .134 | -2.056 |
| 165 | 224 | .457 | .184 | 1.117 | -.139 | 165 | 301 | -.587 | .134 | .680 | -1.062 | 165 | 923 | -.477 | .224 | .657 | -1.500 |
| 165 | 225 | .499 | .207 | 1.173 | -.164 | 165 | 302 | -.600 | .141 | -.064 | -1.066 | 165 | 924 | -.620 | .189 | -.045 | -1.737 |
| 165 | 226 | .536 | .193 | 1.095 | -.144 | 165 | 303 | -.613 | .129 | .189 | -1.019 | 165 | 925 | -.686 | .221 | -.041 | -1.055 |
| 165 | 227 | .622 | .219 | 1.261 | -.408 | 165 | 304 | -.569 | .134 | -.112 | -.999 | 165 | 926 | -.776 | .219 | -.059 | -2.290 |
| 165 | 228 | .511 | .202 | 1.177 | -.092 | 165 | 305 | -.632 | .144 | -.245 | -1.153 | 165 | 927 | -.804 | .198 | -.093 | -1.641 |
| 165 | 229 | .595 | .157 | 1.037 | -.127 | 165 | 306 | -.572 | .135 | -.100 | -1.023 | 165 | 928 | -.773 | .192 | -.228 | -1.476 |
| 165 | 230 | .669 | .163 | .613 | -.459 | 165 | 307 | -.609 | .139 | -.159 | -1.063 | 165 | 929 | -.736 | .220 | -.047 | -2.302 |
| 165 | 231 | .420 | .164 | .962 | -.209 | 165 | 308 | -.595 | .138 | -.183 | -1.061 | 165 | 930 | -.738 | .210 | -.018 | -1.523 |
| 165 | 232 | .535 | .178 | 1.144 | -.069 | 165 | 309 | -.608 | .158 | -.199 | -1.070 | 165 | 931 | -.756 | .233 | -.111 | -2.087 |
| 165 | 233 | .575 | .182 | 1.130 | -.051 | 165 | 310 | -.605 | .143 | -.127 | -1.084 | 165 | 932 | -.614 | .224 | .360 | -1.423 |
| 165 | 234 | .637 | .194 | 1.193 | -.014 | 165 | 311 | -.609 | .145 | -.094 | -1.104 | 165 | 933 | -.684 | .195 | -.037 | -1.606 |
| 165 | 235 | .705 | .186 | 1.424 | -.004 | 165 | 312 | -.585 | .141 | -.096 | -1.032 | 165 | 934 | -.718 | .249 | .137 | -2.557 |
| 165 | 236 | .764 | .181 | 1.264 | -.009 | 165 | 313 | -.594 | .154 | -.042 | -1.018 | 165 | 935 | -.850 | .294 | -.089 | -2.873 |
| 165 | 237 | .675 | .207 | 1.249 | -.052 | 165 | 314 | -.571 | .137 | -.121 | -1.052 | 165 | 936 | -.893 | .226 | -.229 | -2.011 |
| 165 | 238 | .413 | .147 | .112 | -.923 | 165 | 401 | .490 | .213 | .253 | -1.381 | 165 | 937 | -.844 | .169 | -.191 | -1.377 |
| 165 | 239 | .069 | .161 | .597 | -.397 | 165 | 402 | .512 | .243 | .454 | -1.456 | 165 | 938 | -.823 | .228 | -.039 | -1.976 |
| 165 | 240 | .376 | .183 | 1.033 | -.089 | 165 | 403 | .506 | .231 | .774 | -1.313 | 165 | 939 | -.772 | .208 | -.082 | -1.760 |
| 165 | 241 | .469 | .160 | 1.070 | -.005 | 165 | 404 | .607 | .218 | .485 | -1.363 | 165 | 940 | -.828 | .216 | -.022 | -1.960 |
| 165 | 242 | .549 | .164 | 1.093 | -.013 | 165 | 405 | .644 | .218 | .345 | -1.268 | 165 | 941 | -.664 | .220 | .118 | -1.486 |
| 165 | 243 | .622 | .175 | 1.186 | -.056 | 165 | 501 | -.027 | .183 | -.385 | -1.765 | 165 | 942 | -.854 | .242 | -.245 | -1.127 |
| 165 | 244 | .627 | .178 | 1.257 | -.008 | 165 | 502 | -.880 | .176 | -.777 | -1.320 | 165 | 943 | -.983 | .300 | -.073 | -2.506 |
| 165 | 245 | .647 | .192 | 1.286 | -.040 | 165 | 503 | -.892 | .200 | -.120 | -1.517 | 165 | 944 | -.146 | .431 | -.017 | -2.996 |
| 165 | 246 | .615 | .198 | 1.333 | -.011 | 165 | 504 | -.953 | .255 | -.654 | -2.117 | 165 | 945 | -.004 | .272 | -.301 | -2.738 |
| 165 | 247 | .451 | .152 | .056 | -.961 | 165 | 505 | -.965 | .205 | -.247 | -1.623 | 165 | 946 | -.995 | .203 | .159 | -2.034 |
| 165 | 248 | .024 | .146 | .524 | -.555 | 165 | 506 | -.872 | .164 | -.354 | -1.384 | 165 | 1107 | -.639 | .165 | -.174 | -1.234 |
| 165 | 249 | .299 | .159 | .851 | -.269 | 165 | 507 | -.767 | .184 | -.172 | -1.282 | 165 | 1108 | -.664 | .149 | -.080 | -1.320 |
| 165 | 250 | .440 | .162 | 1.071 | -.140 | 165 | 508 | -.726 | .194 | -.054 | -1.458 | 165 | 1109 | -.669 | .158 | -.142 | -1.260 |
| 165 | 251 | .489 | .173 | 1.093 | -.035 | 165 | 509 | -.730 | .180 | -.155 | -1.306 | 165 | 1110 | -.642 | .176 | -.111 | -1.219 |
| 165 | 252 | .546 | .174 | 1.166 | -.018 | 165 | 901 | .630 | .191 | .026 | -1.779 | 165 | 1111 | -.660 | .158 | .155 | -1.239 |
| 165 | 253 | .566 | .178 | 1.155 | -.025 | 165 | 902 | .643 | .242 | .182 | -1.670 | 165 | 1116 | -.634 | .178 | -.118 | -1.280 |
| 165 | 254 | .586 | .165 | 1.181 | -.082 | 165 | 903 | .510 | .191 | .079 | -1.393 | 165 | 1121 | -.674 | .167 | -.207 | -1.215 |
| 165 | 255 | .542 | .186 | 1.116 | -.111 | 165 | 904 | .494 | .192 | .028 | -2.752 | 165 | 1126 | -.654 | .169 | -.071 | -1.321 |
| 165 | 256 | .356 | .146 | .090 | -.819 | 165 | 905 | .590 | .196 | .119 | -1.916 | 165 | 1136 | -.656 | .156 | -.196 | -1.151 |
| 165 | 257 | .943 | .141 | .498 | -.466 | 165 | 906 | .658 | .218 | .030 | -1.648 | 165 | 1221 | -.614 | .160 | -.111 | -1.220 |
| 165 | 258 | .327 | .150 | .888 | -.200 | 165 | 907 | .728 | .197 | .015 | -1.524 | 165 | 1222 | -.632 | .152 | -.025 | -1.162 |
| 165 | 259 | .413 | .144 | .953 | -.073 | 165 | 908 | .696 | .166 | -.192 | -1.578 | 165 | 1223 | -.656 | .161 | -.196 | -1.316 |
| 165 | 260 | .534 | .155 | 1.106 | -.013 | 165 | 909 | .625 | .154 | -.157 | -1.200 | 165 | 1224 | -.692 | .155 | -.003 | -1.070 |

| WD | TAP | CPNEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPNEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPNEAN | CPRMS | CPMAX | CPMIN |
|-----|------|--------|-------|-------|--------|-----|------|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|
| 163 | 1225 | .640 | .158 | .145 | -.344 | 163 | 1918 | .627 | .162 | -.047 | -1.231 | 180 | 205 | .409 | .225 | 1.142 | -.622 |
| 163 | 1226 | .607 | .157 | -.008 | -1.211 | 163 | 1921 | .639 | .163 | -.207 | -1.184 | 180 | 206 | .192 | .293 | 1.095 | -.897 |
| 163 | 1227 | .626 | .159 | -.099 | -1.108 | 163 | 1923 | .635 | .159 | -.106 | -1.137 | 180 | 207 | -.207 | .240 | .516 | -1.158 |
| 163 | 1230 | .626 | .156 | -.156 | -1.269 | 163 | 1924 | .646 | .166 | -.018 | -1.250 | 180 | 208 | -.227 | .246 | .919 | -1.081 |
| 163 | 1231 | .636 | .148 | -.198 | -1.132 | 163 | 1925 | .649 | .173 | -.036 | -1.215 | 180 | 209 | .157 | .290 | 1.093 | -1.918 |
| 163 | 1232 | .625 | .159 | -.095 | -1.260 | 163 | 1926 | .661 | .150 | -.146 | -1.283 | 180 | 210 | -.122 | .182 | .456 | -.750 |
| 163 | 1233 | .643 | .154 | -.144 | -1.161 | 163 | 1927 | .648 | .170 | -.120 | -1.206 | 180 | 211 | .321 | .212 | 1.028 | -.408 |
| 163 | 1234 | .636 | .170 | -.126 | -1.272 | 163 | 1928 | .673 | .188 | -.076 | -1.473 | 180 | 212 | .371 | .217 | 1.039 | -.334 |
| 163 | 1235 | .649 | .159 | -.136 | -1.115 | 163 | 1930 | .669 | .175 | -.088 | -1.363 | 180 | 213 | .074 | .190 | .766 | -.502 |
| 163 | 1236 | .636 | .174 | -.044 | -1.402 | 163 | 1932 | .673 | .170 | -.032 | -1.325 | 180 | 214 | -.084 | .192 | .557 | -.724 |
| 163 | 1239 | .636 | .156 | -.176 | -1.141 | 163 | 1933 | .662 | .170 | -.014 | -1.304 | 180 | 215 | -.327 | .184 | .268 | -.962 |
| 163 | 1240 | .644 | .179 | -.071 | -1.303 | 163 | 1934 | .645 | .175 | -.062 | -1.274 | 180 | 216 | -.284 | .207 | .486 | -.857 |
| 163 | 1241 | .641 | .153 | -.133 | -1.161 | 163 | 1935 | .639 | .150 | -.174 | -1.196 | 180 | 217 | -.039 | .205 | .729 | -.686 |
| 163 | 1242 | .602 | .150 | -.024 | -1.045 | 163 | 1936 | .649 | .161 | -.137 | -1.229 | 180 | 218 | .399 | .232 | 1.103 | -.345 |
| 163 | 1243 | .625 | .151 | -.167 | -1.134 | 163 | 1937 | .641 | .185 | -.073 | -1.492 | 180 | 219 | .473 | .216 | 1.180 | -.233 |
| 163 | 1244 | .642 | .151 | -.169 | -1.234 | 163 | 1939 | .633 | .167 | -.113 | -1.320 | 180 | 220 | -.076 | .169 | .525 | -.868 |
| 163 | 1245 | .634 | .162 | -.022 | -1.274 | 163 | 1941 | .646 | .166 | -.196 | -1.333 | 180 | 221 | .282 | .214 | 1.003 | -.374 |
| 163 | 1248 | .625 | .149 | -.100 | -1.225 | 163 | 1942 | .678 | .165 | -.188 | -1.292 | 180 | 222 | .344 | .204 | 1.213 | -.204 |
| 163 | 1249 | .628 | .144 | -.196 | -1.096 | 163 | 1943 | .643 | .165 | -.104 | -1.300 | 180 | 223 | .316 | .198 | 1.111 | -.119 |
| 163 | 1250 | .622 | .150 | -.176 | -1.188 | 163 | 1944 | .643 | .157 | -.151 | -1.222 | 180 | 224 | .330 | .216 | 1.238 | -.153 |
| 163 | 1251 | .634 | .168 | -.113 | -1.242 | 163 | 1945 | .682 | .169 | -.203 | -1.276 | 180 | 225 | .342 | .200 | 1.150 | -.028 |
| 163 | 1252 | .604 | .149 | -.086 | -1.110 | 163 | 1946 | .683 | .157 | -.142 | -1.147 | 180 | 226 | .362 | .195 | 1.277 | -.081 |
| 163 | 1253 | .623 | .161 | -.032 | -1.251 | 180 | 101 | .668 | .202 | -.200 | -2.059 | 180 | 227 | .639 | .211 | 1.274 | -.013 |
| 163 | 1254 | .633 | .165 | -.095 | -1.180 | 180 | 102 | .672 | .206 | -.206 | -1.790 | 180 | 228 | .632 | .201 | 1.359 | -.216 |
| 163 | 1257 | .633 | .153 | -.163 | -1.155 | 180 | 103 | .690 | .285 | .323 | -1.984 | 180 | 229 | .660 | .241 | 1.144 | -1.489 |
| 163 | 1258 | .626 | .151 | -.120 | -1.202 | 180 | 104 | .838 | .296 | .019 | -2.450 | 180 | 230 | .190 | .200 | .846 | -.369 |
| 163 | 1259 | .613 | .147 | -.145 | -1.171 | 180 | 105 | .885 | .295 | .418 | -2.019 | 180 | 231 | .372 | .204 | 1.168 | -.019 |
| 163 | 1260 | .619 | .160 | -.079 | -1.198 | 180 | 106 | .614 | .216 | -.064 | -1.540 | 180 | 232 | .671 | .182 | 1.279 | -.091 |
| 163 | 1261 | .610 | .155 | -.073 | -1.097 | 180 | 107 | .660 | .237 | .456 | -1.571 | 180 | 233 | .673 | .196 | 1.306 | .157 |
| 163 | 1262 | .618 | .149 | -.149 | -1.072 | 180 | 108 | .756 | .239 | .042 | -1.557 | 180 | 234 | .713 | .202 | 1.317 | .159 |
| 163 | 1263 | .635 | .167 | -.088 | -1.195 | 180 | 109 | .809 | .233 | .133 | -1.918 | 180 | 235 | .685 | .199 | 1.366 | .002 |
| 163 | 1266 | .611 | .146 | -.199 | -1.397 | 180 | 110 | .933 | .240 | -.014 | -2.100 | 180 | 236 | .678 | .207 | 1.298 | .102 |
| 163 | 1267 | .635 | .157 | -.135 | -1.166 | 180 | 111 | .687 | .220 | .161 | -1.626 | 180 | 237 | .672 | .204 | 1.302 | .087 |
| 163 | 1268 | .640 | .178 | -.073 | -1.200 | 180 | 112 | .812 | .207 | .111 | -1.778 | 180 | 238 | .467 | .203 | 1.174 | -1.156 |
| 163 | 1269 | .624 | .145 | -.080 | -1.195 | 180 | 113 | .858 | .213 | -.161 | -1.638 | 180 | 239 | .182 | .190 | .903 | -.412 |
| 163 | 1270 | .663 | .158 | -.176 | -1.202 | 180 | 114 | .931 | .233 | -.097 | -1.767 | 180 | 240 | .306 | .188 | 1.183 | -.250 |
| 163 | 1271 | .644 | .171 | -.025 | -1.280 | 180 | 115 | .892 | .309 | .162 | -2.118 | 180 | 241 | .612 | .187 | 1.232 | -.058 |
| 163 | 1272 | .625 | .148 | -.131 | -1.074 | 180 | 116 | .882 | .249 | .316 | -2.003 | 180 | 242 | .627 | .186 | 1.260 | -.002 |
| 163 | 1303 | .667 | .165 | -.141 | -1.220 | 180 | 120 | .844 | .273 | .128 | -2.340 | 180 | 243 | .676 | .184 | 1.283 | .155 |
| 163 | 1309 | .639 | .173 | -.087 | -1.189 | 180 | 121 | .830 | .224 | .509 | -1.631 | 180 | 244 | .694 | .186 | 1.243 | .082 |
| 163 | 1307 | .643 | .151 | -.043 | -1.149 | 180 | 125 | .897 | .309 | .028 | -2.543 | 180 | 245 | .651 | .183 | 1.378 | .053 |
| 163 | 1309 | .647 | .171 | -.027 | -1.492 | 180 | 126 | .817 | .224 | .122 | -1.644 | 180 | 246 | .682 | .169 | 1.315 | .108 |
| 163 | 1311 | .611 | .162 | -.001 | -1.152 | 180 | 130 | .857 | .345 | .093 | -2.755 | 180 | 247 | .524 | .192 | 1.238 | -.258 |
| 163 | 1313 | .673 | .185 | -.008 | -1.189 | 180 | 131 | .760 | .274 | .215 | -2.071 | 180 | 248 | .092 | .186 | .935 | .469 |
| 163 | 1911 | .543 | .159 | -.074 | -1.227 | 180 | 135 | .749 | .332 | .167 | -2.628 | 180 | 249 | .408 | .194 | 1.192 | .108 |
| 163 | 1913 | .588 | .173 | -.158 | -1.286 | 180 | 136 | .672 | .258 | .498 | -1.775 | 180 | 250 | .520 | .185 | 1.069 | -.062 |
| 163 | 1914 | .593 | .154 | -.000 | -1.119 | 180 | 201 | .224 | .226 | .507 | -1.055 | 180 | 251 | .628 | .167 | 1.240 | .087 |
| 163 | 1915 | .631 | .151 | -.120 | -1.192 | 180 | 202 | .043 | .205 | .619 | -.703 | 180 | 252 | .620 | .178 | 1.291 | .010 |
| 163 | 1916 | .621 | .170 | -.069 | -1.234 | 180 | 203 | .018 | .290 | .633 | -.658 | 180 | 253 | .642 | .181 | 1.141 | .085 |
| 163 | 1917 | .637 | .176 | -.165 | -1.302 | 180 | 204 | .203 | .343 | 1.641 | -.737 | 180 | 254 | .388 | .177 | 1.183 | .006 |

| WD | TAP | CPNEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPNEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPNEAN | CPRMS | CPMAX | CPMIN |
|-----|-----|--------|-------|-------|--------|-----|------|--------|-------|-------|--------|-----|------|--------|-------|-------|--------|
| 180 | 255 | .628 | .181 | 1.169 | .008 | 180 | 904 | -.559 | .194 | .164 | -1.234 | 180 | 1126 | -.801 | .196 | -.249 | -1.402 |
| 180 | 256 | -.364 | .160 | .189 | -.908 | 180 | 905 | -.559 | .202 | .033 | -1.683 | 180 | 1136 | -.840 | .208 | -.301 | -1.707 |
| 180 | 257 | -.071 | .161 | .615 | -.449 | 180 | 906 | -.600 | .205 | .050 | -3.162 | 180 | 1221 | -.777 | .210 | -.151 | -1.454 |
| 180 | 258 | .434 | .150 | .963 | -.127 | 180 | 907 | -.662 | .218 | -.075 | -1.767 | 180 | 1222 | -.836 | .208 | -.142 | -1.430 |
| 180 | 259 | .325 | 1.175 | 1.204 | -.040 | 180 | 908 | -.676 | .189 | .017 | -1.377 | 180 | 1223 | -.772 | .175 | -.183 | -1.319 |
| 180 | 260 | .589 | .162 | 1.171 | .063 | 180 | 909 | -.653 | .165 | -.139 | -1.279 | 180 | 1224 | -.813 | .197 | -.211 | -1.467 |
| 180 | 261 | .603 | .175 | 1.300 | .110 | 180 | 910 | -.565 | .248 | .167 | -2.089 | 180 | 1225 | -.891 | .176 | -.267 | -1.342 |
| 180 | 262 | .628 | .163 | 1.259 | .146 | 180 | 911 | -.530 | .226 | .350 | -1.454 | 180 | 1226 | -.776 | .200 | -.095 | -1.473 |
| 180 | 263 | .599 | .181 | 1.270 | .002 | 180 | 912 | -.593 | .240 | .260 | -2.305 | 180 | 1227 | -.750 | .189 | .110 | -1.308 |
| 180 | 264 | .596 | .170 | 1.176 | .048 | 180 | 913 | -.544 | .211 | .210 | -1.440 | 180 | 1230 | -.835 | .195 | -.222 | -1.499 |
| 180 | 265 | -.293 | .160 | .191 | -.882 | 180 | 914 | -.543 | .166 | .040 | -1.139 | 180 | 1231 | -.778 | .194 | -.247 | -1.537 |
| 180 | 266 | .136 | .175 | .780 | .422 | 180 | 915 | -.574 | .190 | .062 | -2.402 | 180 | 1232 | -.777 | .185 | -.218 | -1.539 |
| 180 | 267 | .493 | .195 | 1.145 | .087 | 180 | 916 | -.639 | .213 | .040 | -1.877 | 180 | 1233 | -.764 | .194 | -.121 | -1.512 |
| 180 | 268 | .606 | .201 | 1.312 | .108 | 180 | 917 | -.641 | .203 | .071 | -1.513 | 180 | 1234 | -.785 | .202 | -.175 | -1.451 |
| 180 | 269 | .662 | .187 | 1.417 | .013 | 180 | 918 | -.685 | .184 | -.189 | -1.400 | 180 | 1235 | -.734 | .179 | -.117 | -1.338 |
| 180 | 270 | .657 | .168 | 1.183 | .083 | 180 | 919 | -.670 | .166 | -.023 | -1.221 | 180 | 1236 | -.798 | .196 | -.179 | -1.509 |
| 180 | 271 | .698 | .184 | 1.355 | .140 | 180 | 920 | -.635 | .272 | .450 | -1.915 | 180 | 1239 | -.751 | .186 | -.187 | -1.394 |
| 180 | 272 | .651 | .175 | 1.395 | .139 | 180 | 921 | -.657 | .242 | .237 | -1.684 | 180 | 1240 | -.770 | .180 | -.233 | -1.466 |
| 180 | 273 | .626 | .178 | 1.144 | .027 | 180 | 922 | -.673 | .234 | .169 | -2.640 | 180 | 1241 | -.789 | .206 | .074 | -1.556 |
| 180 | 301 | -.615 | .157 | .116 | -1.258 | 180 | 923 | -.637 | .230 | .290 | -1.531 | 180 | 1242 | -.753 | .190 | .112 | -1.441 |
| 180 | 302 | -.622 | .159 | .122 | -1.397 | 180 | 924 | -.670 | .203 | .079 | -1.646 | 180 | 1243 | -.828 | .212 | .158 | -1.589 |
| 180 | 303 | -.634 | .164 | .017 | -1.192 | 180 | 925 | -.690 | .213 | .090 | -1.701 | 180 | 1244 | -.781 | .177 | -.177 | -1.353 |
| 180 | 304 | -.636 | .158 | .056 | -1.190 | 180 | 926 | -.727 | .245 | -.031 | -1.928 | 180 | 1245 | -.813 | .190 | .082 | -1.460 |
| 180 | 305 | -.642 | .170 | .120 | -1.196 | 180 | 927 | -.738 | .229 | -.064 | -1.633 | 180 | 1248 | -.791 | .207 | .158 | -1.475 |
| 180 | 306 | -.620 | .158 | .084 | -1.235 | 180 | 928 | -.765 | .227 | -.088 | -1.764 | 180 | 1249 | -.767 | .178 | .173 | -1.338 |
| 180 | 307 | -.612 | .179 | .078 | -1.331 | 180 | 929 | -.756 | .254 | .070 | -2.124 | 180 | 1250 | -.773 | .200 | .173 | -1.451 |
| 180 | 308 | -.629 | .157 | .035 | -1.134 | 180 | 930 | -.744 | .234 | .297 | -1.613 | 180 | 1251 | -.760 | .179 | -.205 | -1.488 |
| 180 | 309 | -.618 | .174 | .060 | -1.485 | 180 | 931 | -.772 | .233 | .082 | -2.303 | 180 | 1252 | -.794 | .198 | .200 | -1.445 |
| 180 | 310 | -.635 | .173 | .095 | -1.299 | 180 | 932 | -.714 | .227 | .121 | -1.591 | 180 | 1253 | -.813 | .205 | .222 | -1.561 |
| 180 | 311 | -.628 | .176 | .118 | -1.208 | 180 | 933 | -.763 | .206 | -.089 | -1.533 | 180 | 1254 | -.767 | .180 | .166 | -1.346 |
| 180 | 312 | -.625 | .172 | .022 | -1.342 | 180 | 934 | -.755 | .210 | -.053 | -2.129 | 180 | 1257 | -.770 | .165 | -.256 | -1.321 |
| 180 | 313 | -.604 | .183 | .022 | -1.222 | 180 | 935 | -.807 | .267 | -.015 | -2.853 | 180 | 1258 | -.799 | .202 | .104 | -1.473 |
| 180 | 314 | -.582 | .182 | .060 | -1.371 | 180 | 936 | -.908 | .272 | -.065 | -2.295 | 180 | 1259 | -.748 | .183 | .202 | -1.342 |
| 180 | 401 | -.611 | .252 | .262 | -1.638 | 180 | 937 | -.804 | .215 | -.104 | -1.526 | 180 | 1260 | -.772 | .195 | .151 | -1.426 |
| 180 | 402 | -.628 | .272 | .423 | -3.057 | 180 | 938 | -.858 | .263 | .149 | -2.176 | 180 | 1261 | -.760 | .202 | .132 | -1.481 |
| 180 | 403 | -.642 | .262 | .423 | -1.892 | 180 | 939 | -.862 | .250 | .002 | -1.859 | 180 | 1262 | -.767 | .199 | .192 | -1.381 |
| 180 | 404 | -.745 | .242 | .390 | -1.843 | 180 | 940 | -.875 | .219 | .019 | -1.692 | 180 | 1263 | -.756 | .205 | .168 | -1.482 |
| 180 | 405 | -.807 | .268 | .287 | -1.800 | 180 | 941 | -.808 | .258 | .312 | -1.648 | 180 | 1266 | -.788 | .183 | .220 | -1.398 |
| 180 | 501 | -.014 | .249 | .008 | -1.914 | 180 | 942 | -.900 | .288 | -.233 | -2.005 | 180 | 1267 | -.795 | .200 | .262 | -1.627 |
| 180 | 502 | -.899 | .252 | .133 | -1.872 | 180 | 943 | -.948 | .258 | -.239 | -2.277 | 180 | 1268 | -.804 | .187 | .323 | -1.355 |
| 180 | 503 | -.784 | .241 | .014 | -1.645 | 180 | 944 | -.134 | .389 | -.130 | -2.873 | 180 | 1269 | -.794 | .195 | .102 | -1.396 |
| 180 | 504 | -.869 | .263 | .114 | -1.843 | 180 | 945 | -.159 | .371 | -.158 | -2.703 | 180 | 1270 | -.793 | .188 | .269 | -1.569 |
| 180 | 505 | -.925 | .235 | .222 | -1.895 | 180 | 946 | -.922 | .230 | -.239 | -1.928 | 180 | 1271 | -.794 | .195 | .233 | -1.458 |
| 180 | 506 | -.876 | .244 | .097 | -1.750 | 180 | 1107 | -.825 | .208 | -.285 | -1.662 | 180 | 1272 | -.778 | .177 | .217 | -1.402 |
| 180 | 507 | -.790 | .230 | .103 | -1.750 | 180 | 1108 | -.824 | .206 | -.072 | -1.590 | 180 | 1303 | -.805 | .191 | .180 | -1.615 |
| 180 | 508 | -.770 | .229 | .004 | -1.488 | 180 | 1109 | -.766 | .186 | -.110 | -1.366 | 180 | 1305 | -.841 | .219 | .157 | -1.741 |
| 180 | 509 | -.689 | .212 | .004 | -1.533 | 180 | 1110 | -.811 | .193 | -.207 | -1.667 | 180 | 1307 | -.819 | .196 | .144 | -1.519 |
| 180 | 901 | -.580 | .222 | .053 | -1.873 | 180 | 1111 | -.790 | .248 | -.013 | -1.501 | 180 | 1309 | -.819 | .211 | .287 | -1.656 |
| 180 | 902 | -.506 | .230 | .332 | -1.406 | 180 | 1116 | -.917 | .196 | -.227 | -1.528 | 180 | 1311 | -.758 | .225 | .072 | -1.622 |
| 180 | 903 | -.607 | .215 | .075 | -1.694 | 180 | 1121 | -.825 | .196 | -.146 | -1.467 | 180 | 1313 | -.859 | .211 | .254 | -1.575 |

| NO | TAP | CPNEAN | CPRMS | CPMAX | CPMIN | NO | TAP | CPNEAN | CPRMS | CPMAX | CPMIN | NO | TAP | CPNEAN | CPRMS | CPMAX | CPMIN |
|-----|------|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|
| 180 | 1911 | .603 | .199 | .023 | -1.458 | 195 | 135 | .547 | .207 | .253 | -1.490 | 195 | 249 | .511 | .190 | 1.147 | -.035 |
| 180 | 1913 | .816 | .214 | .160 | -1.478 | 195 | 136 | .364 | .270 | .586 | -1.317 | 195 | 250 | .588 | .168 | 1.213 | -.127 |
| 180 | 1914 | .740 | .187 | .141 | -1.515 | 195 | 201 | .042 | .225 | .706 | -.723 | 195 | 251 | .612 | .174 | 1.145 | -.123 |
| 180 | 1915 | .802 | .196 | .182 | -1.544 | 195 | 202 | .037 | .220 | .685 | -.736 | 195 | 252 | .623 | .172 | 1.242 | -.148 |
| 180 | 1916 | .765 | .178 | .227 | -1.376 | 195 | 203 | .111 | .196 | .685 | -.809 | 195 | 253 | .575 | .164 | 1.060 | -.068 |
| 180 | 1917 | .787 | .210 | .068 | -1.593 | 195 | 204 | .458 | .374 | 1.652 | -1.360 | 195 | 254 | .526 | .161 | 1.031 | -.017 |
| 180 | 1918 | .838 | .211 | .160 | -1.557 | 195 | 205 | .441 | .267 | 1.482 | -.719 | 195 | 255 | .537 | .152 | 1.049 | -.122 |
| 180 | 1921 | .819 | .201 | .278 | -1.532 | 195 | 206 | .345 | .301 | 1.292 | -.468 | 195 | 256 | .279 | .184 | .519 | -.936 |
| 180 | 1923 | .808 | .203 | .202 | -1.564 | 195 | 207 | .360 | .245 | .551 | -1.149 | 195 | 257 | .136 | .181 | .832 | -.418 |
| 180 | 1924 | .856 | .226 | .211 | -1.847 | 195 | 208 | .301 | .233 | 1.143 | -.794 | 195 | 258 | .326 | .177 | 1.248 | -.017 |
| 180 | 1925 | .802 | .196 | .209 | -1.512 | 195 | 209 | .298 | .256 | .979 | -.800 | 195 | 259 | .375 | .161 | 1.155 | -.100 |
| 180 | 1926 | .804 | .185 | .068 | -1.411 | 195 | 210 | .029 | .222 | .798 | -.876 | 195 | 260 | .393 | .168 | 1.138 | -.136 |
| 180 | 1927 | .790 | .191 | .166 | -1.492 | 195 | 211 | .469 | .221 | 1.211 | -.308 | 195 | 261 | .393 | .183 | 1.242 | -.090 |
| 180 | 1928 | .810 | .178 | .318 | -1.445 | 195 | 212 | .436 | .210 | 1.122 | -.319 | 195 | 262 | .381 | .149 | 1.147 | -.138 |
| 180 | 1930 | .784 | .196 | .047 | -1.432 | 195 | 213 | .060 | .180 | .621 | -.681 | 195 | 263 | .340 | .154 | 1.003 | -.040 |
| 180 | 1932 | .802 | .199 | .085 | -1.385 | 195 | 214 | .067 | .172 | .561 | -.696 | 195 | 264 | .340 | .161 | 1.143 | -.014 |
| 180 | 1933 | .818 | .191 | .226 | -1.465 | 195 | 215 | .280 | .188 | .534 | -1.090 | 195 | 265 | .251 | .166 | .444 | -.732 |
| 180 | 1934 | .795 | .187 | .117 | -1.431 | 195 | 216 | .164 | .185 | .455 | -.843 | 195 | 266 | .206 | .177 | .784 | -.475 |
| 180 | 1935 | .807 | .206 | .209 | -1.483 | 195 | 217 | .048 | .179 | .555 | -.593 | 195 | 267 | .367 | .169 | 1.232 | -.051 |
| 180 | 1936 | .812 | .193 | .188 | -1.537 | 195 | 218 | .408 | .191 | 1.070 | -.236 | 195 | 268 | .633 | .180 | 1.337 | -.078 |
| 180 | 1937 | .801 | .191 | .303 | -1.414 | 195 | 219 | .478 | .204 | 1.183 | -.442 | 195 | 269 | .638 | .177 | 1.333 | -.230 |
| 180 | 1939 | .815 | .207 | .151 | -1.535 | 195 | 220 | .021 | .217 | .815 | -.642 | 195 | 270 | .632 | .166 | 1.263 | -.076 |
| 180 | 1941 | .782 | .171 | .218 | -1.328 | 195 | 221 | .445 | .218 | 1.221 | -.228 | 195 | 271 | .593 | .190 | 1.288 | -.089 |
| 180 | 1942 | .788 | .179 | .095 | -1.412 | 195 | 222 | .586 | .208 | 1.360 | -.143 | 195 | 272 | .378 | .172 | 1.145 | -.023 |
| 180 | 1943 | .785 | .180 | .296 | -1.320 | 195 | 223 | .551 | .220 | 1.187 | -.207 | 195 | 273 | .336 | .145 | 1.185 | -.054 |
| 180 | 1944 | .787 | .196 | .151 | -1.689 | 195 | 224 | .549 | .183 | 1.204 | -.093 | 195 | 301 | .368 | .136 | 1.112 | -.015 |
| 180 | 1945 | .814 | .192 | .296 | -1.613 | 195 | 225 | .518 | .197 | 1.246 | -.107 | 195 | 302 | .591 | .147 | .065 | -1.113 |
| 180 | 1946 | .769 | .165 | .207 | -1.467 | 195 | 226 | .535 | .180 | 1.141 | -.002 | 195 | 303 | .619 | .131 | 1.112 | -.083 |
| 195 | 101 | .566 | .156 | .079 | -1.361 | 195 | 227 | .540 | .193 | 1.113 | -.086 | 195 | 304 | .558 | .142 | 1.012 | -.118 |
| 195 | 102 | .399 | .145 | .083 | -1.114 | 195 | 228 | .564 | .184 | 1.072 | -.029 | 195 | 305 | .604 | .140 | 1.097 | -.038 |
| 195 | 103 | .373 | .147 | .126 | -1.217 | 195 | 229 | .431 | .265 | .589 | -1.299 | 195 | 306 | .384 | .128 | 1.167 | -.988 |
| 195 | 104 | .408 | .160 | .238 | -1.304 | 195 | 230 | .418 | .214 | 1.157 | -.185 | 195 | 307 | .542 | .145 | 1.043 | -.140 |
| 195 | 105 | .470 | .205 | .104 | -1.522 | 195 | 231 | .656 | .207 | 1.502 | -.076 | 195 | 308 | .344 | .148 | 1.059 | -.069 |
| 195 | 106 | .565 | .149 | .077 | -1.117 | 195 | 232 | .692 | .199 | 1.289 | -.087 | 195 | 309 | .499 | .148 | .074 | -.964 |
| 195 | 107 | .451 | .158 | .612 | -1.200 | 195 | 233 | .681 | .197 | 1.310 | -.091 | 195 | 310 | .485 | .150 | 1.011 | -.032 |
| 195 | 108 | .379 | .181 | .217 | -1.185 | 195 | 234 | .695 | .213 | 1.402 | -.028 | 195 | 311 | .479 | .153 | .090 | -.1092 |
| 195 | 109 | .456 | .211 | .131 | -1.317 | 195 | 235 | .633 | .188 | 1.223 | -.019 | 195 | 312 | .479 | .151 | .031 | -.1028 |
| 195 | 110 | .600 | .280 | .306 | -1.640 | 195 | 236 | .571 | .147 | 1.044 | -.100 | 195 | 313 | .474 | .141 | 1.038 | -.879 |
| 195 | 111 | .362 | .217 | .341 | -1.166 | 195 | 237 | .485 | .174 | 1.156 | -.086 | 195 | 314 | .490 | .149 | .022 | -.1024 |
| 195 | 112 | .633 | .226 | .689 | -1.402 | 195 | 238 | .381 | .195 | 1.237 | -.043 | 195 | 401 | .411 | .156 | .133 | -.1448 |
| 195 | 113 | .762 | .233 | .009 | -1.629 | 195 | 239 | .320 | .204 | 1.663 | -.272 | 195 | 402 | .471 | .149 | .031 | -.1097 |
| 195 | 114 | .801 | .231 | .260 | -1.644 | 195 | 240 | .634 | .209 | 1.297 | -.021 | 195 | 403 | .555 | .170 | 1.105 | -.1311 |
| 195 | 115 | .629 | .258 | .144 | -1.819 | 195 | 241 | .693 | .180 | 1.284 | -.079 | 195 | 404 | .698 | .178 | .181 | -.1380 |
| 195 | 116 | .534 | .336 | .493 | -1.869 | 195 | 242 | .653 | .172 | 1.295 | -.180 | 195 | 405 | .079 | .259 | 1.218 | -.240 |
| 195 | 120 | .583 | .199 | .607 | -1.359 | 195 | 243 | .634 | .173 | 1.174 | -.032 | 195 | 501 | .800 | .212 | .017 | -.2126 |
| 195 | 121 | .590 | .270 | .436 | -1.694 | 195 | 244 | .588 | .174 | 1.261 | -.011 | 195 | 502 | .699 | .199 | .166 | -.1826 |
| 195 | 125 | .525 | .191 | .120 | -1.163 | 195 | 245 | .557 | .166 | 1.084 | -.026 | 195 | 503 | .691 | .186 | .018 | -.1588 |
| 195 | 126 | .578 | .274 | .504 | -1.586 | 195 | 246 | .576 | .162 | 1.096 | -.078 | 195 | 504 | .676 | .162 | .157 | -.1357 |
| 195 | 130 | .523 | .197 | .124 | -1.261 | 195 | 247 | .381 | .223 | .395 | -.998 | 195 | 505 | .864 | .192 | .225 | -.1638 |
| 195 | 131 | .468 | .257 | .760 | -1.424 | 195 | 248 | .262 | .195 | .896 | -.281 | 195 | 506 | .702 | .161 | .063 | -.1682 |

| MD | TAP | CPNEAH | CPRMS | CPMAX | CPMIN | MD | TAP | CPNEAH | CPRMS | CPMAX | CPMIN | MD | TAP | CPNEAH | CPRMS | CPMAX | CPMIN |
|-----|------|--------|-------|-------|--------|-----|------|--------|-------|-------|--------|-----|------|--------|-------|-------|--------|
| 195 | 307 | .616 | .179 | .044 | -1.232 | 195 | 1108 | .807 | .220 | .041 | -1.481 | 195 | 1303 | .857 | .211 | -.167 | -1.606 |
| 195 | 308 | .619 | .154 | .107 | -1.206 | 195 | 1109 | .779 | .220 | .001 | -1.531 | 195 | 1305 | .816 | .196 | -.093 | -1.457 |
| 195 | 309 | .617 | .158 | .068 | -1.166 | 195 | 1110 | .818 | .201 | .058 | -1.481 | 195 | 1307 | .802 | .208 | -.077 | -1.496 |
| 195 | 301 | .376 | .173 | .022 | -1.370 | 195 | 1111 | .865 | .236 | .134 | -1.682 | 195 | 1309 | .833 | .197 | -.065 | -1.544 |
| 195 | 302 | .338 | .149 | .148 | -1.090 | 195 | 1116 | .880 | .282 | .019 | -2.039 | 195 | 1311 | .698 | .188 | -.165 | -1.349 |
| 195 | 303 | .429 | .161 | .116 | -1.293 | 195 | 1121 | .869 | .222 | .152 | -1.741 | 195 | 1313 | .841 | .180 | -.180 | -1.494 |
| 195 | 304 | .459 | .138 | .029 | -1.984 | 195 | 1126 | .841 | .233 | .200 | -1.879 | 195 | 1311 | .705 | .195 | -.077 | -1.354 |
| 195 | 305 | .334 | .161 | .007 | -1.173 | 195 | 1134 | .760 | .259 | .014 | -1.710 | 195 | 1313 | .803 | .215 | -.012 | -1.537 |
| 195 | 306 | .385 | .165 | .050 | -1.265 | 195 | 1221 | .798 | .182 | .163 | -1.480 | 195 | 1314 | .603 | .210 | -.117 | -1.402 |
| 195 | 307 | .389 | .153 | .035 | -1.101 | 195 | 1222 | .793 | .209 | .095 | -1.459 | 195 | 1315 | .793 | .229 | -.130 | -1.518 |
| 195 | 308 | .389 | .160 | .090 | -1.523 | 195 | 1223 | .814 | .184 | .140 | -1.388 | 195 | 1316 | .766 | .200 | -.104 | -1.434 |
| 195 | 309 | .657 | .145 | .170 | -1.248 | 195 | 1224 | .829 | .183 | .149 | -1.474 | 195 | 1317 | .827 | .208 | -.126 | -1.603 |
| 195 | 310 | .615 | .174 | .103 | -1.383 | 195 | 1225 | .804 | .202 | .170 | -1.499 | 195 | 1318 | .801 | .202 | -.183 | -1.467 |
| 195 | 311 | .471 | .170 | .023 | -1.209 | 195 | 1226 | .760 | .192 | .134 | -1.380 | 195 | 1321 | .852 | .209 | -.172 | -1.456 |
| 195 | 312 | .441 | .168 | .035 | -1.392 | 195 | 1227 | .787 | .201 | .072 | -1.422 | 195 | 1323 | .799 | .238 | -.071 | -1.511 |
| 195 | 313 | .459 | .145 | .018 | -1.966 | 195 | 1230 | .771 | .174 | .127 | -1.316 | 195 | 1324 | .855 | .208 | -.137 | -1.572 |
| 195 | 314 | .452 | .152 | .016 | -1.973 | 195 | 1231 | .782 | .200 | .188 | -1.367 | 195 | 1325 | .865 | .197 | -.156 | -1.465 |
| 195 | 315 | .531 | .170 | .040 | -1.389 | 195 | 1232 | .791 | .195 | .187 | -1.491 | 195 | 1326 | .805 | .199 | -.246 | -1.426 |
| 195 | 316 | .547 | .172 | .014 | -1.330 | 195 | 1233 | .801 | .206 | .014 | -1.446 | 195 | 1327 | .833 | .202 | -.091 | -1.527 |
| 195 | 317 | .594 | .162 | .057 | -1.476 | 195 | 1234 | .824 | .205 | .001 | -1.380 | 195 | 1328 | .827 | .233 | -.038 | -1.476 |
| 195 | 318 | .622 | .153 | .118 | -1.189 | 195 | 1235 | .790 | .206 | .176 | -1.326 | 195 | 1330 | .849 | .208 | -.113 | -1.518 |
| 195 | 319 | .643 | .142 | .144 | -1.152 | 195 | 1236 | .812 | .193 | .102 | -1.397 | 195 | 1332 | .846 | .202 | -.124 | -1.544 |
| 195 | 320 | .633 | .206 | .046 | -1.398 | 195 | 1239 | .825 | .196 | .200 | -1.578 | 195 | 1333 | .833 | .179 | -.169 | -1.356 |
| 195 | 321 | .539 | .190 | .003 | -1.666 | 195 | 1240 | .807 | .182 | .232 | -1.350 | 195 | 1334 | .837 | .201 | -.145 | -1.435 |
| 195 | 322 | .520 | .168 | .017 | -1.468 | 195 | 1241 | .833 | .189 | .159 | -1.448 | 195 | 1335 | .799 | .191 | -.113 | -1.441 |
| 195 | 323 | .519 | .177 | .120 | -1.239 | 195 | 1242 | .801 | .196 | .179 | -1.583 | 195 | 1336 | .861 | .211 | -.060 | -1.535 |
| 195 | 324 | .493 | .189 | .150 | -1.432 | 195 | 1243 | .785 | .193 | .121 | -1.452 | 195 | 1337 | .836 | .183 | -.277 | -1.417 |
| 195 | 325 | .617 | .193 | .035 | -1.285 | 195 | 1244 | .764 | .193 | .206 | -1.425 | 195 | 1339 | .802 | .213 | -.036 | -1.544 |
| 195 | 326 | .598 | .177 | .025 | -1.322 | 195 | 1245 | .786 | .198 | .093 | -1.410 | 195 | 1341 | .847 | .211 | -.240 | -1.502 |
| 195 | 327 | .619 | .154 | .093 | -1.159 | 195 | 1248 | .784 | .188 | .189 | -1.465 | 195 | 1342 | .841 | .198 | -.058 | -1.452 |
| 195 | 328 | .623 | .162 | .007 | -1.153 | 195 | 1249 | .798 | .174 | .213 | -1.444 | 195 | 1343 | .847 | .180 | -.220 | -1.595 |
| 195 | 329 | .662 | .212 | .137 | -1.544 | 195 | 1250 | .809 | .174 | .242 | -1.420 | 195 | 1344 | .874 | .205 | -.274 | -1.673 |
| 195 | 330 | .581 | .212 | .055 | -1.612 | 195 | 1251 | .814 | .209 | .075 | -1.442 | 195 | 1345 | .797 | .200 | -.130 | -1.439 |
| 195 | 331 | .571 | .166 | .076 | -1.343 | 195 | 1252 | .816 | .188 | .685 | -1.504 | 195 | 1346 | .843 | .180 | -.227 | -1.362 |
| 195 | 332 | .654 | .202 | .003 | -1.437 | 195 | 1253 | .765 | .192 | .072 | -1.327 | 210 | 101 | .537 | .129 | -.109 | -1.151 |
| 195 | 333 | .612 | .209 | .317 | -1.428 | 195 | 1254 | .779 | .192 | .140 | -1.397 | 210 | 102 | .402 | .133 | -.081 | -.860 |
| 195 | 334 | .710 | .196 | .075 | -1.597 | 195 | 1257 | .798 | .209 | .149 | -1.386 | 210 | 103 | .374 | .135 | -.119 | -.837 |
| 195 | 335 | .671 | .201 | .069 | -1.456 | 195 | 1258 | .871 | .182 | .249 | -1.401 | 210 | 104 | .362 | .131 | -.087 | -.878 |
| 195 | 336 | .711 | .187 | .051 | -1.482 | 195 | 1259 | .786 | .216 | .120 | -1.506 | 210 | 105 | .380 | .141 | -.053 | -1.106 |
| 195 | 337 | .654 | .168 | .030 | -1.241 | 195 | 1260 | .771 | .188 | .193 | -1.418 | 210 | 106 | .559 | .125 | -.102 | -.947 |
| 195 | 338 | .685 | .276 | .039 | -2.122 | 195 | 1261 | .761 | .204 | .027 | -1.504 | 210 | 107 | .418 | .129 | -.013 | -.884 |
| 195 | 339 | .641 | .260 | .053 | -2.070 | 195 | 1262 | .761 | .194 | .187 | -1.455 | 210 | 108 | .178 | .141 | -.329 | -.755 |
| 195 | 340 | .745 | .186 | .150 | -1.511 | 195 | 1263 | .752 | .183 | .083 | -1.361 | 210 | 109 | .135 | .146 | -.430 | -.820 |
| 195 | 341 | .018 | .256 | .032 | -2.278 | 195 | 1264 | .845 | .196 | .206 | -1.448 | 210 | 110 | .101 | .162 | -.437 | -.813 |
| 195 | 342 | .859 | .219 | .084 | -1.835 | 195 | 1267 | .806 | .187 | .142 | -1.469 | 210 | 111 | .542 | .382 | .218 | -2.111 |
| 195 | 343 | .859 | .205 | .164 | -1.870 | 195 | 1268 | .782 | .190 | .058 | -1.311 | 210 | 112 | .172 | .205 | .425 | -1.423 |
| 195 | 344 | .942 | .277 | .101 | -1.460 | 195 | 1269 | .794 | .196 | .178 | -1.369 | 210 | 113 | .180 | .190 | .386 | -1.014 |
| 195 | 345 | .011 | .327 | .060 | -2.822 | 195 | 1270 | .775 | .200 | .063 | -1.374 | 210 | 114 | .151 | .194 | .446 | -.846 |
| 195 | 346 | .909 | .209 | .272 | -1.749 | 195 | 1271 | .733 | .193 | .033 | -1.318 | 210 | 115 | .668 | .182 | -.102 | -1.373 |
| 195 | 1107 | .849 | .233 | .174 | -1.641 | 195 | 1272 | .774 | .185 | .210 | -1.324 | 210 | 116 | .775 | .473 | .607 | -3.119 |

| NO | TAP | CPHEAN | CPRMS | CPMAX | CPMIN | NO | TAP | CPHEAN | CPRMS | CPMAX | CPMIN | NO | TAP | CPHEAN | CPRMS | CPMAX | CPMIN |
|-----|-----|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|
| 210 | 120 | .581 | .171 | .003 | -1.376 | 210 | 243 | .507 | .142 | 1.009 | .024 | 210 | 501 | -.498 | .193 | .174 | -1.254 |
| 210 | 121 | .853 | .457 | .209 | -2.693 | 210 | 244 | .421 | .136 | 1.018 | .009 | 210 | 502 | -.457 | .178 | .398 | -1.167 |
| 210 | 122 | .852 | .169 | .104 | -1.382 | 210 | 245 | .377 | .139 | .863 | -.093 | 210 | 503 | -.442 | .170 | .085 | -1.040 |
| 210 | 126 | .788 | .405 | .294 | -3.362 | 210 | 246 | .376 | .126 | .765 | -.036 | 210 | 504 | -.411 | .163 | .279 | -1.095 |
| 210 | 130 | .582 | .181 | .061 | -1.528 | 210 | 247 | .243 | .211 | 1.069 | -.403 | 210 | 505 | -.551 | .176 | .147 | -1.241 |
| 210 | 131 | .834 | .383 | .247 | -3.380 | 210 | 248 | .488 | .178 | 1.186 | .161 | 210 | 506 | -.454 | .158 | .074 | -1.111 |
| 210 | 135 | .676 | .172 | .104 | -1.418 | 210 | 249 | .508 | .163 | 1.149 | -.041 | 210 | 507 | -.447 | .152 | .179 | -1.989 |
| 210 | 136 | .810 | .430 | .213 | -3.316 | 210 | 250 | .544 | .150 | 1.144 | .050 | 210 | 508 | -.525 | .140 | .059 | -1.093 |
| 210 | 201 | .282 | .220 | .890 | -.540 | 210 | 251 | .498 | .141 | .943 | .013 | 210 | 509 | -.532 | .133 | .153 | -1.014 |
| 210 | 202 | .123 | .200 | .687 | -.624 | 210 | 252 | .481 | .154 | 1.090 | -.038 | 210 | 501 | -.701 | .153 | .260 | -1.163 |
| 210 | 203 | .211 | .180 | .425 | -.896 | 210 | 253 | .394 | .149 | .845 | .156 | 210 | 502 | -.679 | .187 | .015 | -1.468 |
| 210 | 204 | .632 | .307 | .526 | -1.139 | 210 | 254 | .366 | .126 | .800 | -.119 | 210 | 503 | -.470 | .140 | .049 | -1.133 |
| 210 | 205 | .393 | .264 | .323 | -.821 | 210 | 255 | .213 | .140 | .813 | .131 | 210 | 504 | -.498 | .120 | .079 | -1.942 |
| 210 | 206 | .330 | .259 | .114 | -.481 | 210 | 256 | .213 | .182 | .818 | -.378 | 210 | 505 | -.526 | .124 | .081 | -1.930 |
| 210 | 207 | .184 | .265 | .847 | -1.454 | 210 | 257 | .411 | .155 | .898 | .069 | 210 | 506 | -.628 | .144 | .002 | -1.887 |
| 210 | 208 | .269 | .210 | .007 | -.476 | 210 | 258 | .511 | .147 | 1.002 | -.020 | 210 | 507 | -.664 | .168 | .093 | -1.254 |
| 210 | 209 | .279 | .230 | .934 | -.860 | 210 | 259 | .546 | .165 | 1.006 | .059 | 210 | 508 | -.705 | .162 | .196 | -1.418 |
| 210 | 210 | .462 | .235 | .258 | -.307 | 210 | 260 | .539 | .147 | 1.142 | .038 | 210 | 509 | -.735 | .138 | .380 | -1.193 |
| 210 | 211 | .579 | .214 | .111 | -.165 | 210 | 261 | .459 | .148 | 1.072 | .009 | 210 | 910 | -.719 | .131 | .305 | -1.243 |
| 210 | 212 | .408 | .195 | .169 | -.256 | 210 | 262 | .407 | .152 | .898 | .100 | 210 | 911 | -.754 | .143 | .294 | -1.223 |
| 210 | 213 | .066 | .173 | .569 | -.562 | 210 | 263 | .372 | .147 | .838 | -.089 | 210 | 912 | -.763 | .197 | .088 | -1.523 |
| 210 | 214 | .031 | .165 | .486 | -.741 | 210 | 264 | .397 | .136 | .831 | .108 | 210 | 913 | -.490 | .127 | .118 | -1.969 |
| 210 | 215 | .181 | .160 | .319 | -.764 | 210 | 265 | .192 | .157 | .806 | .369 | 210 | 914 | -.473 | .127 | .059 | -1.926 |
| 210 | 216 | .082 | .140 | .553 | -.497 | 210 | 266 | .454 | .181 | 1.050 | .128 | 210 | 915 | -.516 | .123 | .068 | -1.967 |
| 210 | 217 | .063 | .167 | .559 | -.508 | 210 | 267 | .611 | .179 | 1.217 | .075 | 210 | 916 | -.540 | .141 | .021 | -1.146 |
| 210 | 218 | .373 | .178 | .016 | -.270 | 210 | 268 | .596 | .168 | 1.202 | .050 | 210 | 917 | -.570 | .152 | .061 | -1.053 |
| 210 | 219 | .323 | .168 | .861 | -.233 | 210 | 269 | .534 | .164 | 1.117 | .008 | 210 | 918 | -.640 | .143 | .066 | -1.137 |
| 210 | 220 | .467 | .232 | .074 | -.250 | 210 | 270 | .519 | .147 | 1.054 | .109 | 210 | 919 | -.691 | .140 | .165 | -1.205 |
| 210 | 221 | .675 | .208 | .265 | .011 | 210 | 271 | .429 | .145 | .956 | -.057 | 210 | 920 | -.857 | .162 | .280 | -1.412 |
| 210 | 222 | .570 | .195 | .086 | -.136 | 210 | 272 | .378 | .134 | .759 | .143 | 210 | 921 | -.954 | .172 | .440 | -1.559 |
| 210 | 223 | .484 | .183 | .063 | -.168 | 210 | 273 | .374 | .139 | .801 | .106 | 210 | 922 | -.963 | .301 | .059 | -1.126 |
| 210 | 224 | .482 | .175 | .972 | -.057 | 210 | 301 | .652 | .125 | -.222 | -1.022 | 210 | 923 | -.498 | .147 | .081 | -1.024 |
| 210 | 225 | .428 | .173 | .975 | -.314 | 210 | 302 | .635 | .126 | -.250 | -1.047 | 210 | 924 | -.382 | .122 | .018 | -1.868 |
| 210 | 226 | .379 | .163 | .913 | -.143 | 210 | 303 | .654 | .137 | -.682 | -1.097 | 210 | 925 | -.413 | .131 | .000 | -1.985 |
| 210 | 227 | .399 | .164 | .891 | -.119 | 210 | 304 | .626 | .136 | -.158 | -1.127 | 210 | 926 | -.476 | .159 | .030 | -1.167 |
| 210 | 228 | .302 | .154 | .722 | -.202 | 210 | 305 | .670 | .129 | -.204 | -1.106 | 210 | 927 | -.484 | .154 | .064 | -1.970 |
| 210 | 229 | .261 | .239 | .053 | -.362 | 210 | 306 | .643 | .128 | -.202 | -1.083 | 210 | 928 | -.520 | .139 | .118 | -1.047 |
| 210 | 230 | .608 | .202 | .252 | -.056 | 210 | 307 | .599 | .142 | -.030 | -1.128 | 210 | 929 | -.628 | .177 | .497 | -1.710 |
| 210 | 231 | .673 | .181 | .211 | -.026 | 210 | 308 | .598 | .135 | -.124 | -1.115 | 210 | 930 | -.145 | .236 | .177 | -2.220 |
| 210 | 232 | .615 | .178 | .133 | -.074 | 210 | 309 | .556 | .147 | -.052 | -1.004 | 210 | 931 | -.864 | .346 | .177 | -2.872 |
| 210 | 233 | .570 | .159 | .061 | -.074 | 210 | 310 | .538 | .140 | -.058 | -.058 | 210 | 932 | -.505 | .142 | .002 | -1.087 |
| 210 | 234 | .512 | .163 | .032 | -.143 | 210 | 311 | .533 | .169 | -.041 | -.096 | 210 | 933 | -.282 | .141 | .213 | -1.847 |
| 210 | 235 | .460 | .155 | .009 | -.069 | 210 | 312 | .535 | .151 | -.246 | .244 | 210 | 934 | -.411 | .174 | .170 | -1.085 |
| 210 | 236 | .320 | .148 | .854 | -.266 | 210 | 313 | .535 | .142 | -.052 | -1.067 | 210 | 935 | -.463 | .166 | .184 | -1.310 |
| 210 | 237 | .204 | .152 | .754 | -.266 | 210 | 314 | .535 | .128 | -.072 | -.979 | 210 | 936 | -.501 | .174 | .079 | -1.416 |
| 210 | 238 | .219 | .202 | .886 | -.391 | 210 | 401 | .444 | .131 | -.022 | -.900 | 210 | 937 | -.450 | .145 | .054 | -1.938 |
| 210 | 239 | .561 | .190 | .142 | -.013 | 210 | 402 | .531 | .135 | -.125 | -.980 | 210 | 938 | -.121 | .204 | .399 | -1.870 |
| 210 | 240 | .623 | .156 | .167 | .093 | 210 | 403 | .666 | .165 | -.154 | -.435 | 210 | 939 | -.326 | .343 | .165 | -2.413 |
| 210 | 241 | .607 | .160 | .149 | .093 | 210 | 404 | .644 | .177 | -.148 | -.435 | 210 | 940 | -.620 | .218 | .118 | -1.941 |
| 210 | 242 | .565 | .149 | .117 | .065 | 210 | 405 | .716 | .165 | -.248 | -.501 | 210 | 941 | -.845 | .164 | .193 | -1.577 |

| WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN |
|-----|------|--------|-------|-------|--------|-----|------|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|
| 210 | 942 | -.528 | .183 | .116 | -1.300 | 210 | 1267 | -.186 | .188 | .461 | -.726 | 225 | 111 | -.886 | .440 | .232 | -2.496 |
| 210 | 943 | -.584 | .204 | .086 | -1.400 | 210 | 1268 | -.138 | .208 | .498 | -.701 | 225 | 112 | -.116 | .374 | .600 | -1.950 |
| 210 | 944 | -.594 | .207 | .140 | -1.373 | 210 | 1269 | -.150 | .191 | .492 | -.733 | 225 | 113 | -.177 | .208 | .759 | -1.712 |
| 210 | 945 | -.624 | .224 | .113 | -2.059 | 210 | 1270 | -.148 | .189 | .468 | -.923 | 225 | 114 | -.271 | .183 | .782 | -1.513 |
| 210 | 946 | -.591 | .183 | .098 | -1.305 | 210 | 1271 | -.130 | .193 | .404 | -.680 | 225 | 115 | -.733 | .209 | .055 | -1.773 |
| 210 | 1107 | -.124 | .255 | .480 | -1.135 | 210 | 1272 | -.158 | .176 | .370 | -.738 | 225 | 116 | -1.258 | .413 | .227 | -3.279 |
| 210 | 1108 | -.189 | .238 | .523 | -.967 | 210 | 1303 | -.153 | .213 | .396 | -.862 | 225 | 120 | -.666 | .235 | -.052 | -1.811 |
| 210 | 1109 | -.231 | .223 | .483 | -1.029 | 210 | 1305 | -.156 | .202 | .413 | -.922 | 225 | 121 | -1.338 | .307 | -.079 | -2.831 |
| 210 | 1110 | -.214 | .226 | .431 | -.983 | 210 | 1307 | -.129 | .200 | .467 | -.768 | 225 | 125 | -.798 | .250 | .101 | -1.864 |
| 210 | 1111 | -.167 | .298 | .630 | -1.366 | 210 | 1309 | -.136 | .222 | .486 | -.908 | 225 | 126 | -1.218 | .321 | -.009 | -3.007 |
| 210 | 1116 | -.058 | .281 | .836 | -1.194 | 210 | 1311 | -.120 | .220 | .474 | -.940 | 225 | 130 | -.802 | .247 | -.031 | -1.841 |
| 210 | 1121 | -.153 | .279 | .845 | -.928 | 210 | 1313 | -.170 | .221 | .493 | -.857 | 225 | 131 | -1.170 | .298 | -.448 | -3.135 |
| 210 | 1126 | -.179 | .246 | .669 | -1.109 | 210 | 1911 | -.029 | .247 | .793 | -.811 | 225 | 135 | -.856 | .220 | -.215 | -1.748 |
| 210 | 1134 | -.059 | .245 | .681 | -.938 | 210 | 1913 | -.104 | .219 | .531 | -.859 | 225 | 136 | -1.133 | .375 | -.272 | -3.525 |
| 210 | 1221 | -.145 | .202 | .533 | -.811 | 210 | 1914 | -.106 | .203 | .465 | -.732 | 225 | 201 | -.310 | .227 | -.939 | -.686 |
| 210 | 1222 | -.158 | .208 | .445 | -.729 | 210 | 1915 | -.197 | .218 | .394 | -.919 | 225 | 202 | -.114 | .196 | .678 | -1.567 |
| 210 | 1223 | -.179 | .190 | .315 | -.903 | 210 | 1916 | -.156 | .201 | .417 | -.899 | 225 | 203 | -.293 | .174 | .261 | -.973 |
| 210 | 1224 | -.135 | .202 | .468 | -.714 | 210 | 1917 | -.150 | .210 | .438 | -.905 | 225 | 204 | -.636 | .208 | 1.616 | -.819 |
| 210 | 1225 | -.137 | .189 | .413 | -.770 | 210 | 1918 | -.180 | .207 | .461 | -.756 | 225 | 205 | -.332 | .214 | 1.038 | -1.558 |
| 210 | 1226 | -.117 | .186 | .496 | -.767 | 210 | 1921 | -.168 | .232 | .516 | -.931 | 225 | 206 | -.409 | .222 | 1.132 | -1.600 |
| 210 | 1227 | -.204 | .203 | .430 | -.877 | 210 | 1923 | -.190 | .235 | .433 | -.874 | 225 | 207 | -.081 | .264 | 1.008 | -1.784 |
| 210 | 1230 | -.189 | .215 | .588 | -1.027 | 210 | 1924 | -.247 | .216 | .378 | -.908 | 225 | 208 | -.240 | .188 | .847 | -1.423 |
| 210 | 1231 | -.147 | .204 | .457 | -.827 | 210 | 1925 | -.235 | .222 | .417 | -1.038 | 225 | 209 | -.108 | .199 | 1.043 | -1.574 |
| 210 | 1232 | -.126 | .201 | .434 | -.783 | 210 | 1926 | -.194 | .213 | .483 | -.832 | 225 | 210 | -.600 | .262 | 1.266 | -1.339 |
| 210 | 1233 | -.139 | .232 | .487 | -.886 | 210 | 1927 | -.180 | .219 | .493 | -.855 | 225 | 211 | -.509 | .212 | 1.258 | -1.237 |
| 210 | 1234 | -.111 | .207 | .443 | -.813 | 210 | 1928 | -.157 | .204 | .506 | -.793 | 225 | 212 | -.273 | .172 | .841 | -1.278 |
| 210 | 1235 | -.153 | .206 | .521 | -.893 | 210 | 1930 | -.211 | .226 | .421 | -.862 | 225 | 213 | -.045 | .158 | .615 | -1.534 |
| 210 | 1236 | -.141 | .212 | .415 | -.799 | 210 | 1932 | -.170 | .196 | .410 | -.972 | 225 | 214 | -.030 | .156 | .480 | -1.578 |
| 210 | 1239 | -.139 | .189 | .439 | -.747 | 210 | 1933 | -.176 | .219 | .511 | -.929 | 225 | 215 | -.153 | .148 | .302 | -1.728 |
| 210 | 1240 | -.164 | .190 | .464 | -.855 | 210 | 1934 | -.188 | .215 | .506 | -.807 | 225 | 216 | -.064 | .148 | .537 | -1.613 |
| 210 | 1241 | -.134 | .207 | .406 | -.887 | 210 | 1935 | -.175 | .179 | .436 | -.802 | 225 | 217 | -.051 | .154 | .604 | -1.461 |
| 210 | 1242 | -.154 | .187 | .379 | -.861 | 210 | 1936 | -.176 | .243 | .428 | -1.025 | 225 | 218 | -.175 | .148 | .639 | -1.300 |
| 210 | 1243 | -.133 | .207 | .569 | -.769 | 210 | 1937 | -.187 | .197 | .431 | -.835 | 225 | 219 | -.027 | .162 | .595 | -1.543 |
| 210 | 1244 | -.143 | .200 | .404 | -.868 | 210 | 1939 | -.163 | .219 | .607 | -.864 | 225 | 220 | -.677 | .249 | 1.301 | -1.284 |
| 210 | 1245 | -.137 | .181 | .431 | -.710 | 210 | 1941 | -.181 | .199 | .403 | -.832 | 225 | 221 | -.642 | .203 | 1.283 | -1.036 |
| 210 | 1248 | -.142 | .196 | .393 | -.742 | 210 | 1942 | -.166 | .222 | .493 | -1.004 | 225 | 222 | -.490 | .165 | 1.021 | -1.058 |
| 210 | 1249 | -.125 | .210 | .441 | -.770 | 210 | 1943 | -.162 | .207 | .520 | -.896 | 225 | 223 | -.371 | .161 | .948 | -1.164 |
| 210 | 1250 | -.183 | .179 | .345 | -.813 | 210 | 1944 | -.177 | .219 | .541 | -.899 | 225 | 224 | -.323 | .166 | .870 | -1.172 |
| 210 | 1251 | -.141 | .194 | .413 | -.740 | 210 | 1945 | -.159 | .212 | .577 | -.876 | 225 | 225 | -.263 | .157 | .725 | -1.218 |
| 210 | 1252 | -.123 | .219 | .604 | -.870 | 210 | 1946 | -.164 | .193 | .392 | -.805 | 225 | 226 | -.258 | .158 | .790 | -1.253 |
| 210 | 1253 | -.110 | .204 | .473 | -.708 | 225 | 101 | -.540 | .130 | -.013 | -1.031 | 225 | 227 | -.134 | .137 | .697 | -1.250 |
| 210 | 1254 | -.109 | .200 | .310 | -.784 | 225 | 102 | -.391 | .149 | -.108 | -.887 | 225 | 228 | -.030 | .147 | .487 | -1.478 |
| 210 | 1257 | -.164 | .193 | .461 | -.888 | 225 | 103 | -.305 | .148 | -.242 | -.853 | 225 | 229 | -.660 | .223 | 1.303 | -1.221 |
| 210 | 1258 | -.143 | .203 | .461 | -.820 | 225 | 104 | -.284 | .154 | -.287 | -.808 | 225 | 230 | -.665 | .202 | 1.293 | -1.030 |
| 210 | 1259 | -.121 | .218 | .631 | -.802 | 225 | 105 | -.296 | .138 | -.294 | -.738 | 225 | 231 | -.609 | .170 | 1.163 | -1.175 |
| 210 | 1260 | -.178 | .189 | .509 | -.802 | 225 | 106 | -.371 | .136 | -.092 | -1.160 | 225 | 232 | -.503 | .166 | 1.010 | -1.012 |
| 210 | 1261 | -.091 | .212 | .626 | -.788 | 225 | 107 | -.319 | .143 | -.169 | -.786 | 225 | 233 | -.398 | .139 | 1.001 | -1.106 |
| 210 | 1262 | -.097 | .203 | .697 | -.703 | 225 | 108 | -.001 | .164 | -.576 | -.728 | 225 | 234 | -.316 | .137 | .785 | -1.225 |
| 210 | 1263 | -.152 | .196 | .583 | -.770 | 225 | 109 | -.148 | .167 | -.664 | -.451 | 225 | 235 | -.252 | .147 | .787 | -1.222 |
| 210 | 1266 | -.124 | .210 | .445 | -.745 | 225 | 110 | -.229 | .139 | -.806 | -.299 | 225 | 236 | -.098 | .138 | .586 | -1.292 |

| WD | TAP | CPNEAN | CPRNS | CPMAX | CPMIN | WD | TAP | CPNEAN | CPRNS | CPMAX | CPMIN | WD | TAP | CPNEAN | CPRNS | CPMAX | CPMIN |
|-----|-----|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|-----|------|--------|-------|-------|--------|
| 225 | 237 | .038 | .151 | .411 | -.573 | 225 | 314 | -.667 | .150 | -.117 | -1.162 | 225 | 936 | -.199 | .163 | .354 | -.786 |
| 225 | 238 | .614 | .236 | 1.379 | -.215 | 225 | 401 | -.504 | .135 | -.051 | -1.937 | 225 | 937 | -.165 | .161 | .381 | -.723 |
| 225 | 239 | .649 | .191 | 1.281 | -.074 | 225 | 402 | -.623 | .143 | -.124 | -1.369 | 225 | 938 | -.330 | .203 | .619 | -2.112 |
| 225 | 240 | .573 | .184 | 1.239 | -.065 | 225 | 403 | -.766 | .147 | -.308 | -1.323 | 225 | 939 | -.489 | .224 | .694 | -2.426 |
| 225 | 241 | .487 | .166 | .934 | -.118 | 225 | 404 | -.996 | .217 | -.174 | -1.769 | 225 | 940 | -.674 | .319 | .172 | -3.656 |
| 225 | 242 | .386 | .159 | .928 | -.103 | 225 | 405 | -.931 | .264 | -.202 | -1.911 | 225 | 941 | -.958 | .218 | .201 | -1.966 |
| 225 | 243 | .301 | .144 | .880 | -.181 | 225 | 501 | -.159 | .206 | -.432 | -1.083 | 225 | 942 | -.438 | .143 | .031 | -1.140 |
| 225 | 244 | .247 | .149 | .816 | -.192 | 225 | 502 | -.194 | .201 | -.455 | -.906 | 225 | 943 | -.340 | .168 | .237 | -.966 |
| 225 | 245 | .198 | .129 | .586 | -.235 | 225 | 503 | -.223 | .195 | -.482 | -.930 | 225 | 944 | -.238 | .185 | .421 | -.948 |
| 225 | 246 | .227 | .126 | .645 | -.204 | 225 | 504 | -.218 | .187 | -.501 | -.849 | 225 | 945 | -.325 | .224 | .407 | -1.622 |
| 225 | 247 | .515 | .192 | 1.306 | -.226 | 225 | 505 | -.270 | .182 | -.326 | -.976 | 225 | 946 | -.277 | .196 | .392 | -.917 |
| 225 | 248 | .556 | .178 | 1.211 | -.048 | 225 | 506 | -.162 | .167 | -.426 | -.749 | 225 | 1107 | .384 | .182 | 1.239 | -.171 |
| 225 | 249 | .527 | .162 | 1.079 | .091 | 225 | 507 | -.195 | .146 | -.400 | -.667 | 225 | 1108 | .326 | .178 | .963 | -.282 |
| 225 | 250 | .428 | .161 | 1.088 | -.058 | 225 | 508 | -.382 | .150 | -.267 | -.867 | 225 | 1109 | .319 | .174 | .927 | -.271 |
| 225 | 251 | .368 | .142 | .880 | -.073 | 225 | 509 | -.452 | .154 | -.112 | -.971 | 225 | 1110 | .317 | .163 | .853 | -.198 |
| 225 | 252 | .291 | .140 | .811 | -.118 | 225 | 901 | -.933 | .220 | -.286 | -1.943 | 225 | 1111 | .363 | .198 | 1.146 | -.472 |
| 225 | 253 | .231 | .148 | .710 | -.279 | 225 | 902 | -.974 | .254 | -.177 | -2.159 | 225 | 1112 | .457 | .222 | 1.113 | -.518 |
| 225 | 254 | .231 | .125 | .675 | -.196 | 225 | 903 | -.573 | .144 | -.138 | -1.017 | 225 | 1121 | .443 | .196 | 1.237 | -.201 |
| 225 | 255 | .253 | .143 | .752 | -.272 | 225 | 904 | -.641 | .131 | -.151 | -1.112 | 225 | 1126 | .322 | .192 | 1.022 | -.301 |
| 225 | 256 | .520 | .185 | 1.203 | -.287 | 225 | 905 | -.558 | .117 | -.101 | -.048 | 225 | 1136 | .370 | .167 | .977 | -.187 |
| 225 | 257 | .541 | .169 | 1.166 | -.030 | 225 | 906 | -.615 | .129 | -.167 | -.992 | 225 | 1221 | .349 | .164 | .896 | -.188 |
| 225 | 258 | .479 | .163 | .976 | -.006 | 225 | 907 | -.707 | .133 | -.297 | -1.149 | 225 | 1222 | .349 | .155 | .819 | -.131 |
| 225 | 259 | .426 | .151 | .832 | -.179 | 225 | 908 | -.852 | .174 | -.286 | -1.546 | 225 | 1223 | .310 | .168 | .920 | -.214 |
| 225 | 260 | .374 | .144 | .844 | -.105 | 225 | 909 | -.762 | .133 | -.347 | -1.219 | 225 | 1224 | .328 | .166 | .802 | -.186 |
| 225 | 261 | .312 | .143 | .848 | -.209 | 225 | 910 | -.900 | .165 | -.413 | -1.853 | 225 | 1225 | .343 | .171 | .891 | -.247 |
| 225 | 262 | .237 | .136 | .727 | -.218 | 225 | 911 | -.863 | .151 | -.426 | -1.406 | 225 | 1226 | .385 | .156 | .959 | -.175 |
| 225 | 263 | .207 | .134 | .666 | -.294 | 225 | 912 | -.924 | .220 | -.165 | -1.871 | 225 | 1227 | .338 | .159 | .950 | -.190 |
| 225 | 264 | .266 | .131 | .687 | -.245 | 225 | 913 | -.640 | .136 | -.255 | -1.076 | 225 | 1230 | .327 | .166 | .828 | -.378 |
| 225 | 265 | .474 | .167 | 1.169 | -.045 | 225 | 914 | -.794 | .191 | -.187 | -1.430 | 225 | 1231 | .361 | .156 | .839 | -.238 |
| 225 | 266 | .502 | .169 | 1.021 | -.129 | 225 | 915 | -.477 | .118 | -.092 | -.901 | 225 | 1232 | .325 | .158 | .839 | -.254 |
| 225 | 267 | .525 | .174 | 1.144 | -.022 | 225 | 916 | -.509 | .128 | -.032 | -.964 | 225 | 1233 | .309 | .177 | .876 | -.284 |
| 225 | 268 | .455 | .156 | .988 | -.071 | 225 | 917 | -.562 | .137 | -.052 | -1.045 | 225 | 1234 | .328 | .167 | .924 | -.264 |
| 225 | 269 | .374 | .151 | .906 | -.246 | 225 | 918 | -.744 | .143 | -.261 | -1.219 | 225 | 1235 | .331 | .167 | .940 | -.376 |
| 225 | 270 | .335 | .141 | .839 | -.101 | 225 | 919 | -.766 | .133 | -.299 | -1.185 | 225 | 1236 | .344 | .170 | .972 | -.347 |
| 225 | 271 | .279 | .152 | .779 | -.185 | 225 | 920 | -.053 | .173 | -.508 | -1.607 | 225 | 1239 | .347 | .142 | .782 | -.081 |
| 225 | 272 | .171 | .138 | .699 | -.291 | 225 | 921 | -.070 | .156 | -.549 | -1.662 | 225 | 1240 | .350 | .165 | .891 | -.210 |
| 225 | 273 | .193 | .120 | .649 | -.213 | 225 | 922 | -.056 | .221 | -.469 | -2.305 | 225 | 1241 | .362 | .153 | .953 | -.184 |
| 225 | 301 | .758 | .130 | 1.887 | -.182 | 225 | 923 | -.743 | .146 | -.138 | -1.239 | 225 | 1242 | .339 | .161 | .929 | -.173 |
| 225 | 302 | .738 | .145 | 1.56 | -1.330 | 225 | 924 | -.572 | .202 | -.086 | -1.428 | 225 | 1243 | .342 | .150 | .896 | -.122 |
| 225 | 303 | .716 | .134 | 1.53 | -1.128 | 225 | 925 | -.285 | .133 | -.153 | -.788 | 225 | 1244 | .356 | .175 | .867 | -.208 |
| 225 | 304 | .725 | .142 | 1.317 | -1.230 | 225 | 926 | -.275 | .136 | -.279 | -.993 | 225 | 1245 | .333 | .171 | .918 | -.214 |
| 225 | 305 | .718 | .141 | 1.171 | -1.147 | 225 | 927 | -.286 | .151 | -.146 | -.917 | 225 | 1248 | .343 | .172 | .886 | -.225 |
| 225 | 306 | .731 | .136 | 1.293 | -1.162 | 225 | 928 | -.442 | .148 | -.068 | -.960 | 225 | 1249 | .346 | .154 | .883 | -.297 |
| 225 | 307 | .685 | .139 | 1.093 | -1.201 | 225 | 929 | -.192 | .197 | -.551 | -1.925 | 225 | 1250 | .361 | .187 | .979 | -.243 |
| 225 | 308 | .713 | .154 | 1.143 | -1.223 | 225 | 930 | -.269 | .187 | -.608 | -2.097 | 225 | 1251 | .328 | .157 | .850 | -.242 |
| 225 | 309 | .666 | .132 | 1.214 | -1.196 | 225 | 931 | -.399 | .266 | -.603 | -3.015 | 225 | 1252 | .340 | .172 | .946 | -.205 |
| 225 | 310 | .694 | .151 | .091 | -1.206 | 225 | 932 | -.789 | .229 | -.050 | -1.477 | 225 | 1253 | .353 | .162 | .963 | -.254 |
| 225 | 311 | .642 | .153 | .054 | -1.094 | 225 | 933 | -.263 | .180 | -.200 | -1.169 | 225 | 1254 | .366 | .165 | .845 | -.166 |
| 225 | 312 | .672 | .145 | .093 | -1.167 | 225 | 934 | -.161 | .133 | -.259 | -.617 | 225 | 1257 | .348 | .175 | .841 | -.275 |
| 225 | 313 | .665 | .144 | .090 | -1.086 | 225 | 935 | -.198 | .167 | -.363 | -.766 | 225 | 1258 | .342 | .169 | .964 | -.183 |

| WD | TAP | CPNEAR | CPRMS | CPMAX | CPMIN | WD | TAP | CPNEAR | CPRMS | CPMAX | CPMIN | WD | TAP | CPNEAR | CPRMS | CPMAX | CPMIN |
|-----|------|--------|-------|-------|-------|-----|-----|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|
| 225 | 1259 | .348 | .153 | .964 | -.116 | 240 | 105 | -.147 | .161 | -.373 | -.694 | 240 | 231 | .226 | .164 | -.687 | -.910 |
| 225 | 1260 | .366 | .156 | .894 | -.127 | 240 | 106 | -.402 | .148 | -.036 | -.965 | 240 | 232 | .213 | .136 | -.621 | -.317 |
| 225 | 1261 | .322 | .188 | .996 | -.262 | 240 | 107 | -.086 | .171 | -.514 | -.714 | 240 | 233 | .148 | .128 | -.567 | -.303 |
| 225 | 1262 | .366 | .179 | .948 | -.225 | 240 | 108 | -.307 | .191 | -.911 | -.338 | 240 | 234 | .083 | .121 | -.449 | -.407 |
| 225 | 1263 | .333 | .158 | .830 | -.218 | 240 | 109 | -.419 | .195 | -.932 | -.126 | 240 | 235 | .001 | .125 | -.439 | -.451 |
| 225 | 1264 | .343 | .155 | .852 | -.173 | 240 | 110 | -.509 | .185 | 1.090 | -.114 | 240 | 236 | -.134 | .119 | -.295 | -.625 |
| 225 | 1267 | .329 | .182 | .937 | -.312 | 240 | 111 | -.411 | .561 | -.704 | -2.548 | 240 | 237 | -.260 | .129 | -.167 | -.657 |
| 225 | 1268 | .338 | .169 | .950 | -.293 | 240 | 112 | -.147 | .397 | -.922 | -2.185 | 240 | 238 | -.030 | .285 | -.908 | -1.111 |
| 225 | 1269 | .335 | .178 | .918 | -.275 | 240 | 113 | -.444 | .236 | 1.067 | -.355 | 240 | 239 | .099 | .311 | -.802 | -.939 |
| 225 | 1270 | .324 | .160 | .837 | -.243 | 240 | 114 | -.573 | .187 | 1.233 | -.093 | 240 | 240 | .203 | .176 | -.901 | -.682 |
| 225 | 1271 | .346 | .178 | .915 | -.199 | 240 | 115 | -.572 | .228 | 1.197 | -.190 | 240 | 241 | .198 | .141 | -.736 | -.464 |
| 225 | 1272 | .343 | .174 | .905 | -.207 | 240 | 116 | -.758 | .466 | -.704 | -2.647 | 240 | 242 | .130 | .129 | -.600 | -.287 |
| 225 | 1303 | .330 | .156 | .860 | -.187 | 240 | 120 | -.521 | .265 | -.050 | -2.038 | 240 | 243 | .071 | .119 | -.473 | -.278 |
| 225 | 1305 | .347 | .176 | .924 | -.242 | 240 | 121 | -1.079 | .376 | -.281 | -2.873 | 240 | 244 | .012 | .119 | -.385 | -.408 |
| 225 | 1307 | .361 | .163 | .968 | -.141 | 240 | 125 | -.796 | .283 | -.041 | -1.851 | 240 | 245 | -.030 | .131 | -.437 | -.464 |
| 225 | 1309 | .327 | .170 | 1.009 | -.160 | 240 | 126 | -1.130 | .364 | -.417 | -3.468 | 240 | 246 | .040 | .114 | -.490 | -.333 |
| 225 | 1311 | .358 | .159 | .829 | -.244 | 240 | 130 | -.850 | .250 | -.010 | -1.818 | 240 | 247 | -.028 | .283 | -.981 | -.982 |
| 225 | 1313 | .336 | .170 | .918 | -.144 | 240 | 131 | -1.015 | .264 | -.211 | -2.318 | 240 | 248 | .014 | .301 | -.752 | -1.073 |
| 225 | 1311 | .508 | .173 | 1.043 | -.014 | 240 | 132 | -.820 | .224 | -.030 | -2.351 | 240 | 249 | .180 | .200 | -.736 | -.756 |
| 225 | 1313 | .408 | .179 | 1.123 | -.137 | 240 | 135 | -.944 | .271 | -.248 | -2.407 | 240 | 250 | .159 | .138 | -.637 | -.376 |
| 225 | 1314 | .378 | .157 | .922 | -.143 | 240 | 201 | -.500 | .301 | -.466 | -1.515 | 240 | 251 | .113 | .132 | -.542 | -.391 |
| 225 | 1315 | .324 | .171 | .808 | -.340 | 240 | 202 | -.200 | .181 | -.338 | -1.499 | 240 | 252 | .066 | .133 | -.551 | -.443 |
| 225 | 1316 | .343 | .161 | .872 | -.141 | 240 | 203 | -.346 | .164 | -.116 | -1.143 | 240 | 253 | .032 | .129 | -.446 | -.493 |
| 225 | 1317 | .330 | .155 | .803 | -.251 | 240 | 204 | -.141 | .290 | 1.252 | -.874 | 240 | 254 | .028 | .117 | -.406 | -.362 |
| 225 | 1318 | .313 | .166 | .911 | -.257 | 240 | 205 | -.013 | .241 | 1.997 | -.199 | 240 | 255 | .121 | .132 | -.534 | -.406 |
| 225 | 1321 | .368 | .157 | .979 | -.146 | 240 | 206 | -.021 | .278 | -.748 | -1.379 | 240 | 256 | .014 | .122 | -.881 | -1.138 |
| 225 | 1323 | .358 | .166 | .936 | -.282 | 240 | 207 | -.033 | .227 | -.963 | -.876 | 240 | 257 | .022 | .253 | -.861 | -.890 |
| 225 | 1324 | .311 | .170 | .815 | -.328 | 240 | 208 | -.079 | .194 | -.735 | -.653 | 240 | 258 | .132 | .172 | -.605 | -.743 |
| 225 | 1325 | .313 | .169 | .847 | -.328 | 240 | 209 | -.099 | .175 | -.545 | -.735 | 240 | 259 | .156 | .137 | -.653 | -.503 |
| 225 | 1326 | .358 | .160 | .891 | -.153 | 240 | 210 | -.172 | .246 | -.588 | -1.274 | 240 | 260 | .108 | .121 | -.593 | -.333 |
| 225 | 1327 | .333 | .159 | .808 | -.298 | 240 | 211 | -.040 | .287 | -.604 | -1.091 | 240 | 261 | .077 | .122 | -.498 | -.421 |
| 225 | 1328 | .297 | .134 | .738 | -.248 | 240 | 212 | -.089 | .164 | -.427 | -.806 | 240 | 262 | .021 | .132 | -.437 | -.494 |
| 225 | 1330 | .318 | .160 | .799 | -.207 | 240 | 213 | -.082 | .148 | -.374 | -.993 | 240 | 263 | .002 | .121 | -.424 | -.396 |
| 225 | 1332 | .303 | .158 | .856 | -.146 | 240 | 214 | -.051 | .135 | -.427 | -.658 | 240 | 264 | .081 | .125 | -.467 | -.294 |
| 225 | 1333 | .302 | .166 | .849 | -.248 | 240 | 215 | -.090 | .137 | -.351 | -.537 | 240 | 265 | .075 | .203 | -.675 | -.043 |
| 225 | 1334 | .357 | .158 | .877 | -.114 | 240 | 216 | -.034 | .135 | -.395 | -.607 | 240 | 266 | .091 | .234 | -.986 | -1.130 |
| 225 | 1335 | .343 | .159 | .854 | -.201 | 240 | 217 | -.006 | .138 | -.500 | -.728 | 240 | 267 | .178 | .180 | -.716 | -.375 |
| 225 | 1336 | .322 | .171 | .865 | -.242 | 240 | 218 | -.075 | .136 | -.390 | -.603 | 240 | 268 | .199 | .151 | -.704 | -.351 |
| 225 | 1337 | .337 | .159 | .879 | -.139 | 240 | 219 | -.291 | .140 | -.132 | -.771 | 240 | 269 | .141 | .153 | -.644 | -.382 |
| 225 | 1339 | .339 | .161 | .833 | -.169 | 240 | 220 | -.140 | .250 | -.945 | -.933 | 240 | 270 | .109 | .138 | -.687 | -.419 |
| 225 | 1341 | .331 | .167 | .885 | -.271 | 240 | 221 | -.035 | .325 | -.759 | -1.148 | 240 | 271 | .034 | .132 | -.465 | -.398 |
| 225 | 1342 | .320 | .154 | .842 | -.198 | 240 | 222 | -.192 | .133 | -.612 | -.493 | 240 | 272 | .029 | .122 | -.353 | -.437 |
| 225 | 1343 | .306 | .162 | .902 | -.246 | 240 | 223 | -.152 | .121 | -.535 | -.317 | 240 | 273 | .000 | .115 | -.401 | -.422 |
| 225 | 1344 | .332 | .155 | .851 | -.171 | 240 | 224 | -.122 | .124 | -.555 | -.328 | 240 | 301 | .697 | .124 | -.201 | -.157 |
| 225 | 1345 | .325 | .168 | .826 | -.230 | 240 | 225 | -.077 | .119 | -.589 | -.290 | 240 | 302 | .714 | .139 | -.151 | -1.137 |
| 225 | 1346 | .331 | .146 | .794 | -.267 | 240 | 226 | -.028 | .136 | -.478 | -.459 | 240 | 303 | .735 | .133 | -.265 | -1.158 |
| 240 | 101 | -.385 | .163 | .286 | -.941 | 240 | 227 | -.116 | .125 | -.297 | -.518 | 240 | 304 | .674 | .142 | -.237 | -1.161 |
| 240 | 102 | -.191 | .166 | .323 | -.670 | 240 | 228 | -.280 | .140 | -.232 | -.755 | 240 | 305 | .736 | .149 | -.112 | -1.201 |
| 240 | 103 | -.133 | .167 | .410 | -.644 | 240 | 229 | -.056 | .296 | -.769 | -1.360 | 240 | 306 | .699 | .132 | -.228 | -1.155 |
| 240 | 104 | -.110 | .164 | .391 | -.673 | 240 | 230 | -.080 | .336 | 1.020 | -1.198 | 240 | 307 | .707 | .138 | -.239 | -1.203 |

| MD | TAP | CPNEAN | CPRMS | CPMAX | CPMIN | MD | TAP | CPNEAN | CPRMS | CPMAX | CPMIN | MD | TAP | CPNEAN | CPRMS | CPMAX | CPMIN |
|-----|-----|--------|-------|-------|---------|-----|------|---------|-------|-------|---------|-----|------|--------|-------|-------|-------|
| 240 | 308 | -.667 | .139 | -.124 | -.226 | 240 | 930 | -.263 | .221 | -.563 | -.2184 | 240 | 1251 | .562 | .168 | 1.065 | -.032 |
| 240 | 309 | -.678 | .147 | -.164 | -.262 | 240 | 931 | -.289 | .257 | -.483 | -.2564 | 240 | 1252 | .537 | .171 | 1.123 | -.042 |
| 240 | 310 | -.658 | .128 | -.217 | -.098 | 240 | 932 | -.964 | .250 | -.033 | -.2163 | 240 | 1253 | .586 | .174 | 1.113 | -.055 |
| 240 | 311 | -.708 | .143 | -.222 | -.215 | 240 | 933 | -.959 | .299 | -.032 | -.2158 | 240 | 1254 | .551 | .167 | 1.150 | -.002 |
| 240 | 312 | -.649 | .135 | -.100 | -.114 | 240 | 934 | -.094 | .266 | -.582 | -.1685 | 240 | 1257 | .562 | .164 | 1.065 | -.076 |
| 240 | 313 | -.645 | .139 | -.124 | -.208 | 240 | 935 | -.016 | .214 | -.664 | -.829 | 240 | 1258 | .540 | .164 | 1.120 | -.015 |
| 240 | 314 | -.657 | .149 | -.162 | -.205 | 240 | 936 | -.001 | .187 | -.735 | -.690 | 240 | 1259 | .570 | .174 | 1.176 | -.008 |
| 240 | 401 | -.448 | .172 | -.277 | -.119 | 240 | 937 | -.194 | .216 | 1.153 | -.432 | 240 | 1260 | .568 | .166 | 1.157 | -.007 |
| 240 | 402 | -.503 | .173 | -.111 | -.418 | 240 | 938 | -.1.428 | .226 | -.659 | -.2.171 | 240 | 1261 | .590 | .177 | 1.134 | -.023 |
| 240 | 403 | -.673 | .200 | -.078 | -.439 | 240 | 939 | -.496 | .242 | -.737 | -.240 | 240 | 1262 | .546 | .166 | 1.120 | -.020 |
| 240 | 404 | -.077 | .229 | -.031 | -.899 | 240 | 940 | -.1.664 | .306 | -.850 | -.3.859 | 240 | 1263 | .564 | .167 | 1.067 | -.021 |
| 240 | 405 | -.014 | .229 | -.125 | -.713 | 240 | 941 | -.1.419 | .261 | -.401 | -.3.461 | 240 | 1266 | .539 | .172 | 1.118 | -.019 |
| 240 | 501 | -.212 | .11 | -.025 | -.386 | 240 | 942 | -.797 | .387 | -.304 | -.3.096 | 240 | 1267 | .569 | .162 | 1.115 | -.083 |
| 240 | 502 | -.163 | .257 | -.170 | -.666 | 240 | 943 | -.154 | .251 | -.558 | -.1.483 | 240 | 1268 | .531 | .174 | 1.003 | -.023 |
| 240 | 503 | -.133 | .280 | -.069 | -.696 | 240 | 944 | -.063 | .223 | -.704 | -.1.942 | 240 | 1269 | .563 | .178 | 1.247 | -.016 |
| 240 | 504 | -.130 | .260 | -.957 | -.789 | 240 | 945 | -.035 | .221 | -.655 | -.1.980 | 240 | 1270 | .589 | .173 | 1.109 | -.134 |
| 240 | 505 | -.158 | .211 | -.957 | -.467 | 240 | 946 | -.162 | .241 | 1.205 | -.803 | 240 | 1271 | .530 | .165 | 1.948 | -.003 |
| 240 | 506 | -.176 | .209 | -.931 | -.457 | 240 | 1107 | -.625 | .181 | 1.179 | -.011 | 240 | 1272 | .572 | .183 | 1.170 | -.002 |
| 240 | 507 | -.102 | .220 | -.997 | -.311 | 240 | 1108 | -.616 | .190 | 1.195 | -.044 | 240 | 1303 | .626 | .157 | 1.291 | -.133 |
| 240 | 508 | -.141 | .210 | -.489 | -.789 | 240 | 1109 | -.536 | .182 | 1.121 | -.017 | 240 | 1305 | .622 | .166 | 1.056 | -.053 |
| 240 | 509 | -.248 | .196 | -.515 | -.897 | 240 | 1110 | -.572 | .167 | 1.070 | -.030 | 240 | 1307 | .603 | .165 | 1.123 | -.028 |
| 240 | 901 | -.853 | .198 | -.259 | -.982 | 240 | 1111 | -.626 | .183 | 1.359 | -.058 | 240 | 1309 | .597 | .167 | 1.063 | -.063 |
| 240 | 902 | -.992 | .273 | -.052 | -.192 | 240 | 1116 | -.691 | .199 | 1.387 | -.086 | 240 | 1311 | .681 | .171 | 1.235 | -.042 |
| 240 | 903 | -.436 | .172 | -.134 | -.231 | 240 | 1121 | -.638 | .203 | 1.254 | -.028 | 240 | 1313 | .572 | .196 | 1.116 | -.119 |
| 240 | 904 | -.735 | .180 | -.217 | -.352 | 240 | 1126 | -.573 | .187 | 1.198 | -.007 | 240 | 1911 | .731 | .175 | 1.356 | -.196 |
| 240 | 905 | -.734 | .164 | -.175 | -.430 | 240 | 1136 | -.522 | .213 | 1.368 | -.021 | 240 | 1913 | .670 | .179 | 1.284 | -.112 |
| 240 | 906 | -.685 | .173 | -.172 | -.437 | 240 | 1221 | -.540 | .151 | 1.104 | -.055 | 240 | 1914 | .669 | .191 | 1.209 | -.121 |
| 240 | 907 | -.725 | .158 | -.224 | -.344 | 240 | 1222 | -.535 | .164 | 1.056 | -.027 | 240 | 1915 | .651 | .175 | 1.200 | -.109 |
| 240 | 908 | -.877 | .196 | -.343 | -.664 | 240 | 1223 | -.588 | .170 | 1.063 | -.050 | 240 | 1916 | .605 | .178 | 1.109 | -.081 |
| 240 | 909 | -.773 | .145 | -.275 | -.283 | 240 | 1224 | -.522 | .171 | 1.120 | -.048 | 240 | 1917 | .616 | .187 | 1.184 | -.051 |
| 240 | 910 | -.871 | .182 | -.168 | -.849 | 240 | 1225 | -.567 | .168 | 1.155 | -.054 | 240 | 1919 | .584 | .165 | 1.214 | -.030 |
| 240 | 911 | -.863 | .184 | -.189 | -.746 | 240 | 1226 | -.550 | .175 | 1.077 | -.084 | 240 | 1921 | .618 | .175 | 1.088 | -.007 |
| 240 | 912 | -.022 | .230 | -.116 | -.793 | 240 | 1227 | -.576 | .161 | 1.047 | -.036 | 240 | 1921 | .618 | .175 | 1.088 | -.007 |
| 240 | 913 | -.520 | .143 | -.055 | -.078 | 240 | 1230 | -.567 | .185 | 1.177 | -.032 | 240 | 1923 | .614 | .200 | 1.212 | -.058 |
| 240 | 914 | -.927 | .174 | -.368 | -.1.567 | 240 | 1231 | -.547 | .165 | 1.093 | -.033 | 240 | 1924 | .578 | .175 | 1.181 | -.003 |
| 240 | 915 | -.732 | .217 | -.067 | -.386 | 240 | 1232 | -.555 | .165 | 1.077 | -.026 | 240 | 1925 | .616 | .171 | 1.156 | -.035 |
| 240 | 916 | -.430 | .190 | -.130 | -.330 | 240 | 1233 | -.536 | .167 | 1.081 | -.104 | 240 | 1926 | .613 | .186 | 1.265 | -.018 |
| 240 | 917 | -.507 | .180 | -.088 | -.306 | 240 | 1234 | -.558 | .156 | 1.143 | -.099 | 240 | 1927 | .610 | .189 | 1.177 | -.039 |
| 240 | 918 | -.660 | .174 | -.020 | -.325 | 240 | 1235 | -.551 | .159 | 1.090 | -.023 | 240 | 1928 | .612 | .189 | 1.405 | -.366 |
| 240 | 919 | -.781 | .148 | -.312 | -.302 | 240 | 1236 | -.550 | .172 | 1.262 | -.112 | 240 | 1930 | .602 | .185 | 1.170 | -.024 |
| 240 | 920 | -.084 | .192 | -.406 | -.816 | 240 | 1239 | -.524 | .150 | 1.959 | -.066 | 240 | 1932 | .619 | .182 | 1.319 | -.067 |
| 240 | 921 | -.059 | .195 | -.312 | -.733 | 240 | 1240 | -.551 | .149 | 1.964 | -.055 | 240 | 1933 | .602 | .185 | 1.170 | -.024 |
| 240 | 922 | -.130 | .235 | -.245 | -.101 | 240 | 1241 | -.539 | .152 | 1.969 | -.070 | 240 | 1934 | .583 | .191 | 1.205 | -.028 |
| 240 | 923 | -.669 | .184 | -.037 | -.918 | 240 | 1242 | -.542 | .180 | 1.155 | -.039 | 240 | 1935 | .647 | .176 | 1.196 | -.004 |
| 240 | 924 | -.119 | .218 | -.326 | -.906 | 240 | 1243 | -.598 | .168 | 1.131 | -.072 | 240 | 1936 | .582 | .176 | 1.112 | -.035 |
| 240 | 925 | -.441 | .264 | -.239 | -.466 | 240 | 1244 | -.562 | .172 | 1.232 | -.006 | 240 | 1937 | .536 | .184 | 1.188 | -.070 |
| 240 | 926 | -.126 | .201 | -.422 | -.935 | 240 | 1245 | -.585 | .186 | 1.210 | -.007 | 240 | 1939 | .594 | .198 | 1.235 | -.012 |
| 240 | 927 | -.153 | .197 | -.674 | -.837 | 240 | 1246 | -.565 | .150 | 1.038 | -.058 | 240 | 1941 | .596 | .178 | 1.265 | -.088 |
| 240 | 928 | -.206 | .234 | -.667 | -.950 | 240 | 1249 | -.552 | .182 | 1.136 | -.094 | 240 | 1942 | .603 | .170 | 1.165 | -.072 |
| 240 | 929 | -.239 | .202 | -.551 | -.926 | 240 | 1250 | -.550 | .167 | 1.106 | -.026 | 240 | 1943 | .606 | .196 | 1.345 | -.021 |
| 240 | 929 | -.239 | .202 | -.551 | -.926 | 240 | 1250 | -.550 | .167 | 1.106 | -.026 | 240 | 1944 | .583 | .177 | 1.168 | -.077 |

| WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN |
|-----|------|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|
| 240 | 1943 | .609 | .194 | 1.307 | .065 | 255 | 225 | -.045 | .121 | .377 | -.835 | 255 | 302 | -.591 | .147 | -.050 | -1.076 |
| 240 | 1944 | .634 | .184 | 1.207 | .035 | 255 | 226 | -.146 | .128 | .244 | -.589 | 255 | 303 | -.581 | .133 | -.165 | -1.063 |
| 255 | 101 | -.114 | .176 | .459 | -.934 | 255 | 227 | -.291 | .122 | .173 | -.793 | 255 | 304 | -.589 | .142 | -.048 | -1.076 |
| 255 | 102 | -.055 | .164 | .590 | -.535 | 255 | 228 | -.391 | .125 | .065 | -.804 | 255 | 305 | -.545 | .129 | -.157 | -.972 |
| 255 | 103 | -.127 | .180 | .678 | -.545 | 255 | 229 | -.791 | .250 | .032 | -1.666 | 255 | 306 | -.565 | .135 | -.120 | -.976 |
| 255 | 104 | .131 | .158 | .625 | -.414 | 255 | 230 | -.793 | .227 | .071 | -1.884 | 255 | 307 | -.536 | .124 | -.154 | -.925 |
| 255 | 105 | -.038 | .177 | .651 | -.555 | 255 | 231 | -.708 | .367 | .695 | -1.871 | 255 | 308 | -.556 | .140 | -.082 | -1.039 |
| 255 | 106 | -.133 | .168 | .356 | -.731 | 255 | 232 | -.268 | .315 | .420 | -1.503 | 255 | 309 | -.526 | .126 | -.117 | -1.009 |
| 255 | 107 | -.210 | .191 | .852 | -.920 | 255 | 233 | -.100 | .175 | .422 | -.945 | 255 | 310 | -.548 | .134 | -.095 | -1.139 |
| 255 | 108 | .493 | .191 | 1.215 | -.165 | 255 | 234 | -.121 | .139 | .406 | -.706 | 255 | 311 | -.530 | .116 | -.117 | -.945 |
| 255 | 109 | .593 | .186 | 1.139 | .008 | 255 | 235 | -.163 | .122 | .307 | -.708 | 255 | 312 | -.552 | .145 | -.020 | -1.089 |
| 255 | 110 | .649 | .178 | 1.221 | .068 | 255 | 236 | -.289 | .114 | .191 | -.719 | 255 | 313 | -.499 | .124 | -.080 | -.887 |
| 255 | 111 | .112 | .407 | .937 | -1.301 | 255 | 237 | -.384 | .124 | .088 | -.835 | 255 | 314 | -.562 | .141 | -.100 | -1.110 |
| 255 | 112 | .421 | .283 | 1.190 | -.747 | 255 | 238 | -.690 | .221 | .690 | -2.158 | 255 | 401 | -.425 | .199 | -.326 | -1.114 |
| 255 | 113 | .636 | .193 | 1.137 | -.410 | 255 | 239 | -.707 | .224 | .002 | -2.689 | 255 | 402 | -.391 | .181 | -.250 | -1.036 |
| 255 | 114 | .637 | .172 | 1.169 | .100 | 255 | 240 | -.619 | .304 | .341 | -2.050 | 255 | 403 | -.391 | .196 | -.274 | -1.110 |
| 255 | 115 | -.204 | .189 | .373 | -1.075 | 255 | 241 | -.403 | .302 | .354 | -1.523 | 255 | 404 | -.675 | .203 | -.203 | -1.335 |
| 255 | 116 | -.029 | .449 | 1.093 | -1.495 | 255 | 242 | -.204 | .224 | .370 | -1.181 | 255 | 405 | -.675 | .176 | -.131 | -1.452 |
| 255 | 120 | -.203 | .190 | .317 | -1.337 | 255 | 243 | -.153 | .156 | .383 | -.947 | 255 | 501 | -.562 | .192 | 1.149 | -.141 |
| 255 | 121 | -.392 | .438 | .745 | -2.119 | 255 | 244 | -.152 | .125 | .273 | -1.003 | 255 | 502 | -.448 | .210 | 1.145 | -.410 |
| 255 | 125 | -.399 | .225 | .211 | -1.479 | 255 | 245 | -.147 | .128 | .366 | -.645 | 255 | 503 | -.322 | .246 | .958 | -1.219 |
| 255 | 126 | -.844 | .448 | .776 | -3.025 | 255 | 246 | -.075 | .131 | .310 | -.571 | 255 | 504 | -.290 | .217 | 1.196 | -.666 |
| 255 | 130 | -.497 | .237 | .223 | -1.481 | 255 | 247 | -.600 | .253 | .124 | -2.042 | 255 | 505 | -.455 | .216 | 1.104 | -.326 |
| 255 | 131 | -.787 | .261 | .569 | -2.051 | 255 | 248 | -.647 | .268 | .249 | -2.090 | 255 | 506 | -.437 | .196 | 1.032 | -.178 |
| 255 | 133 | -.594 | .204 | .010 | -1.540 | 255 | 249 | -.543 | .274 | .390 | -1.674 | 255 | 507 | -.279 | .193 | .840 | -.410 |
| 255 | 136 | -.611 | .219 | .159 | -1.509 | 255 | 250 | -.398 | .292 | .392 | -1.712 | 255 | 508 | -.003 | .193 | .627 | -.754 |
| 255 | 201 | -.255 | .256 | .514 | -2.312 | 255 | 251 | -.270 | .229 | .309 | -1.069 | 255 | 509 | -.132 | .199 | .635 | -.901 |
| 255 | 202 | -.163 | .295 | .181 | -2.130 | 255 | 252 | -.173 | .176 | .377 | -1.100 | 255 | 901 | -.583 | .188 | .098 | -1.974 |
| 255 | 203 | -.187 | .277 | .014 | -2.377 | 255 | 253 | -.164 | .149 | .507 | -.742 | 255 | 902 | -.732 | .244 | .102 | -1.878 |
| 255 | 204 | -.847 | .319 | .367 | -2.217 | 255 | 254 | -.140 | .140 | .361 | -.746 | 255 | 903 | -.462 | .187 | -.227 | -1.147 |
| 255 | 205 | -.616 | .200 | .088 | -1.306 | 255 | 255 | -.062 | .150 | .464 | -.724 | 255 | 904 | -.715 | .173 | -.178 | -1.483 |
| 255 | 206 | -.457 | .230 | .297 | -1.279 | 255 | 256 | -.526 | .237 | .314 | -1.596 | 255 | 905 | -.677 | .150 | -.156 | -1.198 |
| 255 | 207 | -.714 | .287 | .206 | -1.902 | 255 | 257 | -.584 | .248 | .231 | -1.673 | 255 | 906 | -.662 | .173 | -.094 | -1.405 |
| 255 | 208 | -.239 | .213 | .442 | -1.094 | 255 | 258 | -.561 | .295 | .294 | -1.906 | 255 | 907 | -.585 | .159 | .106 | -1.245 |
| 255 | 209 | -.327 | .193 | .265 | -1.012 | 255 | 259 | -.353 | .254 | .366 | -1.586 | 255 | 908 | -.631 | .177 | -.094 | -1.495 |
| 255 | 210 | -.045 | .251 | .242 | -2.294 | 255 | 260 | -.278 | .226 | .370 | -1.180 | 255 | 909 | -.661 | .188 | -.193 | -1.548 |
| 255 | 211 | -.073 | .244 | .313 | -2.088 | 255 | 261 | -.180 | .174 | .300 | -.910 | 255 | 910 | -.561 | .168 | .033 | -1.147 |
| 255 | 212 | -.213 | .342 | .620 | -2.334 | 255 | 262 | -.176 | .143 | .240 | -.755 | 255 | 911 | -.603 | .175 | .014 | -1.332 |
| 255 | 213 | -.706 | .387 | .503 | -2.432 | 255 | 263 | -.164 | .132 | .235 | -.708 | 255 | 912 | -.731 | .206 | -.037 | -1.726 |
| 255 | 214 | -.141 | .235 | .792 | -1.361 | 255 | 264 | -.097 | .147 | .364 | -.655 | 255 | 913 | -.441 | .168 | -.220 | -.941 |
| 255 | 215 | -.032 | .148 | .385 | -.974 | 255 | 265 | -.566 | .284 | .512 | -2.180 | 255 | 914 | -.703 | .151 | -.154 | -1.369 |
| 255 | 216 | -.006 | .190 | .604 | -1.069 | 255 | 266 | -.537 | .241 | .224 | -1.756 | 255 | 915 | -.786 | .173 | -.233 | -1.707 |
| 255 | 217 | -.408 | .286 | .369 | -1.780 | 255 | 267 | -.422 | .271 | .430 | -1.617 | 255 | 916 | -.694 | .194 | .362 | -1.546 |
| 255 | 218 | -.334 | .139 | .088 | -.858 | 255 | 268 | -.308 | .266 | .505 | -2.137 | 255 | 917 | -.392 | .195 | .257 | -1.244 |
| 255 | 219 | -.416 | .144 | .206 | -.854 | 255 | 269 | -.191 | .188 | .383 | -1.111 | 255 | 918 | -.523 | .150 | .107 | -1.102 |
| 255 | 220 | -.113 | .302 | .251 | -2.198 | 255 | 270 | -.157 | .165 | .394 | -.829 | 255 | 919 | -.674 | .151 | -.204 | -1.495 |
| 255 | 221 | -.167 | .333 | .023 | -2.502 | 255 | 271 | -.140 | .145 | .366 | -.685 | 255 | 920 | -.627 | .167 | .012 | -1.319 |
| 255 | 222 | -.314 | .477 | .933 | -2.167 | 255 | 272 | -.170 | .136 | .444 | -.605 | 255 | 921 | -.711 | .184 | -.163 | -1.343 |
| 255 | 223 | -.072 | .198 | .626 | -1.272 | 255 | 273 | -.133 | .130 | .349 | -.616 | 255 | 922 | -.775 | .213 | -.160 | -1.929 |
| 255 | 224 | -.017 | .137 | .462 | -.932 | 255 | 301 | -.609 | .144 | .118 | -1.112 | 255 | 923 | -.425 | .173 | -.200 | -1.017 |

| WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN |
|-----|------|--------|-------|-------|--------|-----|------|--------|-------|-------|-------|-----|------|--------|-------|-------|--------|
| 255 | 924 | .776 | .180 | -.292 | -1.573 | 255 | 1243 | .667 | .163 | 1.275 | .133 | 255 | 1937 | .672 | .169 | 1.161 | .144 |
| 255 | 925 | .881 | .196 | -.257 | -1.569 | 255 | 1244 | .669 | .172 | 1.214 | .127 | 255 | 1939 | .617 | .172 | 1.229 | .107 |
| 255 | 926 | .482 | .241 | -.268 | -1.518 | 255 | 1245 | .653 | .163 | 1.187 | .192 | 255 | 1941 | .652 | .181 | 1.180 | -.009 |
| 255 | 927 | .082 | .225 | .636 | -.910 | 255 | 1248 | .641 | .184 | 1.310 | .018 | 255 | 1942 | .657 | .155 | 1.176 | .126 |
| 255 | 928 | .072 | .215 | .698 | -.770 | 255 | 1249 | .641 | .168 | 1.273 | .124 | 255 | 1943 | .657 | .170 | 1.233 | .099 |
| 255 | 929 | .149 | .177 | -.149 | -1.335 | 255 | 1250 | .672 | .174 | 1.251 | .143 | 255 | 1944 | .690 | .162 | 1.139 | .093 |
| 255 | 930 | .772 | .190 | .220 | -1.658 | 255 | 1251 | .668 | .175 | 1.146 | .095 | 255 | 1945 | .646 | .185 | 1.215 | .177 |
| 255 | 931 | .832 | .203 | -.086 | -1.900 | 255 | 1252 | .650 | .201 | 1.280 | .009 | 255 | 1946 | .684 | .161 | 1.186 | -.201 |
| 255 | 932 | .582 | .224 | .484 | -1.410 | 255 | 1253 | .632 | .188 | 1.271 | .140 | 270 | 101 | -.032 | .210 | .653 | -.845 |
| 255 | 933 | .863 | .190 | -.086 | -1.900 | 255 | 1254 | .670 | .180 | 1.223 | .156 | 270 | 102 | -.169 | .202 | .789 | -.440 |
| 255 | 934 | .749 | .215 | .033 | -1.703 | 255 | 1257 | .657 | .173 | 1.157 | .017 | 270 | 103 | -.259 | .194 | .783 | -.527 |
| 255 | 935 | .212 | .278 | .657 | -1.326 | 255 | 1258 | .690 | .172 | 1.201 | .202 | 270 | 104 | -.279 | .179 | .915 | -.281 |
| 255 | 936 | .187 | .213 | .922 | -.671 | 255 | 1259 | .671 | .163 | 1.187 | .101 | 270 | 105 | .221 | .179 | .895 | -.395 |
| 255 | 937 | .422 | .211 | .034 | -.402 | 255 | 1260 | .675 | .170 | 1.210 | .077 | 270 | 106 | .009 | .169 | .581 | -.680 |
| 255 | 938 | .940 | .223 | .136 | -1.839 | 255 | 1261 | .654 | .205 | 1.369 | .063 | 270 | 107 | .394 | .225 | 1.044 | -.245 |
| 255 | 939 | .998 | .220 | .076 | -1.849 | 255 | 1262 | .667 | .206 | 1.246 | .074 | 270 | 108 | .641 | .218 | 1.263 | -.106 |
| 255 | 940 | .282 | .346 | .225 | -3.068 | 255 | 1263 | .657 | .201 | 1.223 | -.141 | 270 | 109 | .735 | .216 | 1.341 | -.036 |
| 255 | 941 | .839 | .193 | -.301 | -1.707 | 255 | 1266 | .634 | .192 | 1.339 | .067 | 270 | 110 | .743 | .192 | 1.330 | .061 |
| 255 | 942 | .388 | .369 | .317 | -2.897 | 255 | 1267 | .639 | .173 | 1.222 | .106 | 270 | 111 | .442 | .311 | 1.240 | -1.097 |
| 255 | 943 | .096 | .463 | .303 | -2.463 | 255 | 1268 | .679 | .184 | 1.219 | .156 | 270 | 112 | .610 | .248 | 1.245 | -.340 |
| 255 | 944 | .124 | .347 | .686 | -2.137 | 255 | 1269 | .650 | .178 | 1.182 | .172 | 270 | 113 | .691 | .208 | 1.389 | -.076 |
| 255 | 945 | .218 | .257 | .892 | -.782 | 255 | 1270 | .677 | .169 | 1.289 | .176 | 270 | 114 | .697 | .196 | 1.283 | -.029 |
| 255 | 946 | .482 | .198 | .050 | -.509 | 255 | 1271 | .647 | .187 | 1.235 | .076 | 270 | 115 | -.018 | .242 | .742 | -.981 |
| 255 | 1107 | .646 | .181 | 1.292 | -.009 | 255 | 1272 | .700 | .186 | 1.355 | .076 | 270 | 116 | .421 | .315 | 1.146 | -.619 |
| 255 | 1108 | .613 | .174 | 1.131 | .128 | 255 | 1303 | .701 | .188 | 1.206 | .054 | 270 | 120 | -.033 | .179 | .760 | -.674 |
| 255 | 1109 | .638 | .159 | 1.123 | .017 | 255 | 1305 | .667 | .180 | 1.200 | .060 | 270 | 121 | -.240 | .376 | 1.160 | -1.443 |
| 255 | 1110 | .659 | .156 | 1.223 | .107 | 255 | 1307 | .647 | .156 | 1.257 | .154 | 270 | 125 | -.271 | .251 | 1.467 | -1.433 |
| 255 | 1111 | .610 | .174 | 1.157 | .077 | 255 | 1309 | .635 | .180 | 1.245 | .042 | 270 | 126 | -.450 | .506 | .824 | -2.368 |
| 255 | 1116 | .645 | .183 | 1.245 | .017 | 255 | 1311 | .709 | .177 | 1.449 | .158 | 270 | 130 | -.391 | .262 | .321 | -1.524 |
| 255 | 1121 | .605 | .171 | 1.135 | .017 | 255 | 1313 | .638 | .158 | 1.063 | .203 | 270 | 131 | -.686 | .533 | .787 | -2.383 |
| 255 | 1126 | .634 | .170 | 1.243 | .071 | 255 | 1911 | .728 | .165 | 1.384 | .254 | 270 | 135 | -.615 | .254 | .140 | -1.443 |
| 255 | 1136 | .626 | .165 | 1.106 | .099 | 255 | 1913 | .670 | .160 | 1.127 | .091 | 270 | 136 | -.440 | .315 | .498 | -1.667 |
| 255 | 1221 | .699 | .174 | 1.241 | .135 | 255 | 1914 | .688 | .158 | 1.227 | .171 | 270 | 201 | -1.128 | .351 | .223 | -2.862 |
| 255 | 1222 | .678 | .189 | 1.273 | .104 | 255 | 1915 | .672 | .163 | 1.141 | .111 | 270 | 202 | -.979 | .262 | -.097 | -2.014 |
| 255 | 1223 | .679 | .175 | 1.284 | .106 | 255 | 1916 | .714 | .168 | 1.172 | .173 | 270 | 203 | -.884 | .261 | .383 | -1.978 |
| 255 | 1224 | .695 | .176 | 1.184 | .117 | 255 | 1917 | .658 | .191 | 1.290 | .129 | 270 | 204 | -.405 | .330 | .805 | -1.736 |
| 255 | 1225 | .694 | .168 | 1.436 | .167 | 255 | 1918 | .636 | .172 | 1.098 | .083 | 270 | 205 | -.397 | .227 | .426 | -1.303 |
| 255 | 1226 | .626 | .163 | 1.101 | .133 | 255 | 1921 | .670 | .177 | 1.155 | .138 | 270 | 206 | -.355 | .273 | .477 | -1.663 |
| 255 | 1227 | .643 | .175 | 1.178 | .005 | 255 | 1923 | .649 | .159 | 1.127 | .122 | 270 | 207 | -.292 | .344 | .777 | -1.932 |
| 255 | 1230 | .648 | .180 | 1.207 | .086 | 255 | 1924 | .652 | .174 | 1.188 | .066 | 270 | 208 | -.229 | .262 | .679 | -1.181 |
| 255 | 1231 | .705 | .181 | 1.251 | .090 | 255 | 1925 | .634 | .192 | 1.294 | .091 | 270 | 209 | -.322 | .224 | .463 | -1.154 |
| 255 | 1232 | .693 | .183 | 1.235 | .127 | 255 | 1926 | .675 | .160 | 1.235 | .152 | 270 | 210 | -.961 | .261 | .203 | -2.336 |
| 255 | 1233 | .692 | .173 | 1.223 | .012 | 255 | 1927 | .649 | .188 | 1.286 | .015 | 270 | 211 | -.998 | .248 | .432 | -2.503 |
| 255 | 1234 | .697 | .198 | 1.209 | .027 | 255 | 1928 | .636 | .167 | 1.192 | .120 | 270 | 212 | -.982 | .240 | .221 | -2.467 |
| 255 | 1235 | .646 | .180 | 1.173 | .004 | 255 | 1930 | .628 | .177 | 1.123 | .091 | 270 | 213 | -.990 | .246 | .279 | -2.061 |
| 255 | 1236 | .670 | .173 | 1.205 | .118 | 255 | 1932 | .660 | .185 | 1.219 | .001 | 270 | 214 | -.913 | .256 | .419 | -2.023 |
| 255 | 1239 | .665 | .159 | 1.152 | .142 | 255 | 1933 | .631 | .182 | 1.186 | .111 | 270 | 215 | -.840 | .295 | .150 | -2.418 |
| 255 | 1240 | .660 | .159 | 1.098 | .156 | 255 | 1934 | .602 | .159 | 1.141 | .042 | 270 | 216 | -.614 | .321 | .261 | -2.427 |
| 255 | 1241 | .657 | .167 | 1.159 | .095 | 255 | 1935 | .657 | .187 | 1.149 | .056 | 270 | 217 | -.524 | .341 | .326 | -1.992 |
| 255 | 1242 | .653 | .181 | 1.325 | .095 | 255 | 1936 | .679 | .178 | 1.231 | .097 | 270 | 218 | -.460 | .261 | .234 | -2.636 |

| MD | TAP | CPNEAN | CPRMS | CPMAX | CPMIN | MD | TAP | CPNEAN | CPRMS | CPMAX | CPMIN | MD | TAP | CPNEAN | CPRMS | CPMAX | CPMIN |
|-----|-----|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|-----|------|--------|-------|-------|--------|
| 270 | 219 | -.473 | .212 | .157 | -1.594 | 270 | 269 | -.592 | .273 | .404 | -1.624 | 270 | 918 | -.350 | .306 | .992 | -1.287 |
| 270 | 220 | -.939 | .210 | -.263 | -2.038 | 270 | 270 | -.584 | .256 | .229 | -1.718 | 270 | 919 | -.426 | .218 | .477 | -1.490 |
| 270 | 221 | -.928 | .249 | -.154 | -2.146 | 270 | 271 | -.425 | .243 | .361 | -1.251 | 270 | 920 | -.523 | .237 | .254 | -1.524 |
| 270 | 222 | -.889 | .212 | -.154 | -1.666 | 270 | 272 | -.371 | .249 | .225 | -1.488 | 270 | 921 | -.633 | .232 | .307 | -1.700 |
| 270 | 223 | -.836 | .212 | .024 | -1.635 | 270 | 273 | -.409 | .308 | .310 | -1.619 | 270 | 922 | -.660 | .223 | .083 | -1.528 |
| 270 | 224 | -.748 | .263 | .168 | -1.816 | 270 | 301 | -.501 | .201 | .192 | -1.154 | 270 | 923 | -.598 | .222 | .075 | -1.917 |
| 270 | 225 | -.600 | .258 | .223 | -1.520 | 270 | 302 | -.518 | .203 | .145 | -1.367 | 270 | 924 | -.745 | .218 | -.128 | -1.638 |
| 270 | 226 | -.457 | .245 | .298 | -1.789 | 270 | 303 | -.452 | .184 | .155 | -1.088 | 270 | 925 | -.856 | .241 | -.161 | -1.714 |
| 270 | 227 | -.398 | .198 | .238 | -1.144 | 270 | 304 | -.476 | .204 | .128 | -1.259 | 270 | 926 | -.811 | .246 | -.251 | -1.765 |
| 270 | 228 | -.408 | .201 | .261 | -1.259 | 270 | 305 | -.412 | .184 | .159 | -1.119 | 270 | 927 | -.473 | .270 | .793 | -1.302 |
| 270 | 229 | -.860 | .210 | -.203 | -2.791 | 270 | 306 | -.458 | .186 | .077 | -1.230 | 270 | 928 | -.309 | .354 | 1.101 | -2.426 |
| 270 | 230 | -.850 | .201 | -.117 | -2.305 | 270 | 307 | -.386 | .171 | .210 | -1.012 | 270 | 929 | -.478 | .231 | .356 | -1.449 |
| 270 | 231 | -.875 | .209 | -.134 | -2.194 | 270 | 308 | -.439 | .166 | .110 | -.990 | 270 | 930 | -.573 | .204 | .214 | -1.997 |
| 270 | 232 | -.895 | .228 | .029 | -1.818 | 270 | 309 | -.382 | .154 | .212 | -.887 | 270 | 931 | -.588 | .197 | -.029 | -1.817 |
| 270 | 233 | -.831 | .212 | .282 | -1.782 | 270 | 310 | -.423 | .169 | .290 | -1.041 | 270 | 932 | -.513 | .212 | .280 | -1.410 |
| 270 | 234 | -.664 | .243 | .090 | -1.608 | 270 | 311 | -.378 | .166 | .182 | -.906 | 270 | 933 | -.705 | .195 | -.138 | -1.874 |
| 270 | 235 | -.495 | .230 | .273 | -1.315 | 270 | 312 | -.424 | .178 | .143 | -1.145 | 270 | 934 | -.820 | .208 | -.210 | -1.630 |
| 270 | 236 | -.418 | .198 | .271 | -1.203 | 270 | 313 | -.334 | .157 | .229 | -.859 | 270 | 935 | -.760 | .219 | .124 | -1.585 |
| 270 | 237 | -.432 | .193 | .316 | -1.421 | 270 | 314 | -.369 | .174 | .248 | -1.023 | 270 | 936 | -.411 | .225 | .502 | -1.193 |
| 270 | 238 | -.763 | .200 | -.121 | -1.550 | 270 | 401 | -.650 | .216 | .061 | -1.557 | 270 | 937 | -.108 | .344 | 1.657 | -1.926 |
| 270 | 239 | -.776 | .213 | -.172 | -2.106 | 270 | 402 | -.633 | .246 | .235 | -1.356 | 270 | 938 | -.485 | .194 | .242 | -1.362 |
| 270 | 240 | -.846 | .218 | -.251 | -1.848 | 270 | 403 | -.547 | .271 | .663 | -1.555 | 270 | 939 | -.529 | .199 | .036 | -1.296 |
| 270 | 241 | -.844 | .243 | .123 | -1.978 | 270 | 404 | -.450 | .246 | .734 | -1.360 | 270 | 940 | -.651 | .192 | -.076 | -1.710 |
| 270 | 242 | -.779 | .254 | .117 | -1.696 | 270 | 405 | -.459 | .202 | .185 | -1.237 | 270 | 941 | -.493 | .186 | .180 | -1.331 |
| 270 | 243 | -.685 | .228 | .108 | -1.417 | 270 | 501 | -.509 | .411 | 1.294 | -1.714 | 270 | 942 | -.653 | .175 | -.038 | -1.335 |
| 270 | 244 | -.581 | .248 | .196 | -1.494 | 270 | 502 | -.571 | .395 | .887 | -1.921 | 270 | 943 | -.864 | .252 | -.262 | -2.648 |
| 270 | 245 | -.487 | .260 | .414 | -1.635 | 270 | 503 | -.513 | .398 | 1.027 | -1.797 | 270 | 944 | -.812 | .238 | .048 | -1.129 |
| 270 | 246 | -.498 | .304 | .385 | -1.827 | 270 | 504 | -.502 | .468 | .834 | -2.302 | 270 | 945 | -.468 | .279 | .709 | -1.577 |
| 270 | 247 | -.737 | .216 | .061 | -2.152 | 270 | 505 | -.221 | .337 | 1.000 | -1.328 | 270 | 946 | -.209 | .332 | 1.082 | -1.207 |
| 270 | 248 | -.794 | .248 | -.099 | -2.510 | 270 | 506 | -.134 | .337 | 1.249 | -1.029 | 270 | 1107 | .717 | .197 | 1.384 | .187 |
| 270 | 249 | -.813 | .256 | -.095 | -2.331 | 270 | 507 | -.248 | .328 | 1.145 | -1.376 | 270 | 1108 | .683 | .215 | 1.333 | .091 |
| 270 | 250 | -.818 | .280 | .064 | -1.979 | 270 | 508 | -.267 | .362 | 1.143 | -1.280 | 270 | 1109 | .710 | .192 | 1.278 | .183 |
| 270 | 251 | -.783 | .286 | .335 | -2.320 | 270 | 509 | -.281 | .358 | 1.145 | -1.423 | 270 | 1110 | .720 | .170 | 1.229 | .134 |
| 270 | 252 | -.637 | .247 | .231 | -1.534 | 270 | 901 | -.739 | .210 | -.112 | -1.533 | 270 | 1111 | .665 | .179 | 1.294 | .162 |
| 270 | 253 | -.543 | .230 | .273 | -1.322 | 270 | 902 | -.719 | .224 | -.015 | -1.675 | 270 | 1116 | .676 | .171 | 1.211 | .248 |
| 270 | 254 | -.488 | .261 | .273 | -1.657 | 270 | 903 | -.617 | .196 | .217 | -1.211 | 270 | 1121 | .638 | .193 | 1.227 | .075 |
| 270 | 255 | -.537 | .346 | .445 | -2.365 | 270 | 904 | -.826 | .246 | .122 | -2.114 | 270 | 1126 | .625 | .175 | 1.134 | .079 |
| 270 | 256 | -.755 | .225 | -.146 | -1.841 | 270 | 905 | -.920 | .289 | -.175 | -2.434 | 270 | 1136 | .655 | .201 | 1.186 | .020 |
| 270 | 257 | -.806 | .232 | -.196 | -1.857 | 270 | 906 | -.773 | .278 | .524 | -2.293 | 270 | 1221 | .727 | .183 | 1.499 | .011 |
| 270 | 258 | -.848 | .269 | -.189 | -2.481 | 270 | 907 | -.571 | .296 | .502 | -1.783 | 270 | 1222 | .689 | .194 | 1.272 | .014 |
| 270 | 259 | -.829 | .285 | .229 | -2.455 | 270 | 908 | -.421 | .290 | .600 | -1.467 | 270 | 1223 | .700 | .196 | 1.278 | .032 |
| 270 | 260 | -.733 | .271 | .256 | -2.023 | 270 | 909 | -.434 | .230 | .356 | -1.398 | 270 | 1224 | .699 | .208 | 1.503 | .095 |
| 270 | 261 | -.633 | .233 | .236 | -1.494 | 270 | 910 | -.623 | .212 | .058 | -1.325 | 270 | 1225 | .751 | .183 | 1.276 | .071 |
| 270 | 262 | -.527 | .258 | .362 | -1.437 | 270 | 911 | -.685 | .219 | -.019 | -1.536 | 270 | 1226 | .722 | .188 | 1.303 | .153 |
| 270 | 263 | -.428 | .268 | .350 | -1.857 | 270 | 912 | -.699 | .211 | .018 | -1.648 | 270 | 1227 | .721 | .182 | 1.408 | .135 |
| 270 | 264 | -.410 | .293 | .412 | -1.756 | 270 | 913 | -.657 | .235 | .194 | -1.447 | 270 | 1230 | .697 | .184 | 1.292 | .038 |
| 270 | 265 | -.777 | .242 | .059 | -1.945 | 270 | 914 | -.828 | .256 | .026 | -2.100 | 270 | 1231 | .717 | .185 | 1.258 | .147 |
| 270 | 266 | -.743 | .244 | -.117 | -1.776 | 270 | 915 | -.822 | .254 | -.073 | -2.849 | 270 | 1232 | .697 | .187 | 1.309 | .122 |
| 270 | 267 | -.780 | .259 | .057 | -2.637 | 270 | 916 | -.779 | .280 | .450 | -1.954 | 270 | 1233 | .720 | .163 | 1.281 | .297 |
| 270 | 268 | -.735 | .268 | .177 | -1.822 | 270 | 917 | -.583 | .268 | .586 | -1.761 | 270 | 1234 | .732 | .177 | 1.256 | .224 |

| WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN |
|-----|------|--------|-------|-------|-------|-----|------|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|
| 270 | 1235 | .698 | .176 | 1.265 | .175 | 270 | 1930 | .677 | .172 | 1.170 | .111 | 285 | 213 | -1.047 | .364 | .390 | -2.987 |
| 270 | 1236 | .711 | .190 | 1.312 | .111 | 270 | 1932 | .717 | .167 | 1.266 | .209 | 285 | 214 | -.834 | .208 | -.104 | -2.340 |
| 270 | 1239 | .707 | .189 | 1.294 | .113 | 270 | 1933 | .697 | .186 | 1.266 | .185 | 285 | 215 | -.719 | .183 | -.101 | -1.760 |
| 270 | 1240 | .703 | .175 | 1.241 | .206 | 270 | 1934 | .674 | .192 | 1.400 | .095 | 285 | 216 | -.639 | .173 | -.101 | -1.329 |
| 270 | 1241 | .712 | .175 | 1.338 | .118 | 270 | 1935 | .677 | .169 | 1.229 | .140 | 285 | 217 | -.658 | .256 | -.012 | -2.959 |
| 270 | 1242 | .728 | .175 | 1.332 | .048 | 270 | 1936 | .697 | .183 | 1.288 | .089 | 285 | 218 | -.627 | .169 | -.075 | -1.447 |
| 270 | 1243 | .756 | .181 | 1.349 | .157 | 270 | 1937 | .666 | .175 | 1.294 | .109 | 285 | 219 | -.664 | .196 | -.052 | -1.577 |
| 270 | 1244 | .764 | .204 | 1.350 | .039 | 270 | 1939 | .653 | .158 | 1.199 | .034 | 285 | 220 | -.746 | .192 | -.120 | -1.675 |
| 270 | 1245 | .734 | .195 | 1.363 | .059 | 270 | 1941 | .645 | .181 | 1.121 | .022 | 285 | 221 | -.813 | .202 | -.159 | -1.718 |
| 270 | 1248 | .684 | .172 | 1.327 | .227 | 270 | 1942 | .709 | .167 | 1.317 | .178 | 285 | 222 | -.736 | .205 | -.027 | -1.695 |
| 270 | 1249 | .679 | .179 | 1.278 | .028 | 270 | 1943 | .679 | .187 | 1.301 | .062 | 285 | 223 | -.823 | .208 | -.042 | -1.965 |
| 270 | 1250 | .671 | .175 | 1.300 | .144 | 270 | 1944 | .664 | .172 | 1.182 | .158 | 285 | 224 | -.737 | .218 | -.138 | -1.945 |
| 270 | 1251 | .742 | .181 | 1.390 | .236 | 270 | 1945 | .666 | .197 | 1.294 | .075 | 285 | 225 | -.675 | .184 | -.126 | -1.419 |
| 270 | 1252 | .702 | .175 | 1.325 | .157 | 270 | 1946 | .686 | .183 | 1.250 | .136 | 285 | 226 | -.611 | .171 | -.037 | -1.313 |
| 270 | 1253 | .712 | .183 | 1.265 | .153 | 285 | 101 | .083 | .226 | .784 | -.766 | 285 | 227 | -.600 | .148 | -.065 | -1.159 |
| 270 | 1254 | .719 | .201 | 1.356 | .133 | 285 | 102 | .170 | .207 | .649 | -.566 | 285 | 228 | -.617 | .180 | .008 | -1.401 |
| 270 | 1257 | .660 | .186 | 1.191 | .007 | 285 | 103 | .103 | .175 | .625 | -.540 | 285 | 229 | -.665 | .143 | -.150 | -1.355 |
| 270 | 1258 | .675 | .182 | 1.276 | .146 | 285 | 104 | .085 | .209 | .745 | -.654 | 285 | 230 | -.680 | .152 | -.127 | -1.270 |
| 270 | 1259 | .710 | .190 | 1.410 | .190 | 285 | 105 | .055 | .194 | .700 | -.552 | 285 | 231 | -.663 | .145 | -.205 | -1.162 |
| 270 | 1260 | .720 | .200 | 1.301 | .093 | 285 | 106 | .189 | .195 | .922 | -.485 | 285 | 232 | -.714 | .158 | -.209 | -1.299 |
| 270 | 1261 | .718 | .207 | 1.385 | .064 | 285 | 107 | .547 | .217 | 1.275 | -.126 | 285 | 233 | -.717 | .166 | -.106 | -1.343 |
| 270 | 1262 | .737 | .201 | 1.278 | .100 | 285 | 108 | .689 | .221 | 1.249 | -.613 | 285 | 234 | -.649 | .149 | -.186 | -1.164 |
| 270 | 1263 | .728 | .175 | 1.261 | .104 | 285 | 109 | .703 | .201 | 1.261 | -.243 | 285 | 235 | -.626 | .159 | .023 | -1.144 |
| 270 | 1266 | .659 | .175 | 1.267 | .169 | 285 | 110 | .677 | .221 | 1.362 | -.026 | 285 | 236 | -.629 | .191 | .057 | -1.493 |
| 270 | 1267 | .740 | .173 | 1.329 | .146 | 285 | 111 | .727 | .224 | 1.353 | -.190 | 285 | 237 | -.623 | .172 | -.045 | -1.269 |
| 270 | 1268 | .703 | .198 | 1.209 | .062 | 285 | 112 | .738 | .192 | 1.308 | -.156 | 285 | 238 | -.655 | .172 | -.119 | -1.714 |
| 270 | 1269 | .683 | .167 | 1.187 | .158 | 285 | 113 | .729 | .199 | 1.308 | -.152 | 285 | 239 | -.618 | .138 | -.127 | -1.412 |
| 270 | 1270 | .726 | .187 | 1.492 | .129 | 285 | 114 | .706 | .199 | 1.292 | .099 | 285 | 240 | -.653 | .151 | -.168 | -1.254 |
| 270 | 1271 | .734 | .190 | 1.466 | .142 | 285 | 115 | .223 | .248 | 1.039 | -.687 | 285 | 241 | -.664 | .144 | -.221 | -1.139 |
| 270 | 1272 | .698 | .171 | 1.339 | .158 | 285 | 116 | .654 | .231 | 1.339 | -.484 | 285 | 242 | -.666 | .146 | -.193 | -1.127 |
| 270 | 1303 | .737 | .225 | 1.922 | .014 | 285 | 120 | .180 | .221 | .963 | -.505 | 285 | 243 | -.640 | .131 | -.221 | -1.132 |
| 270 | 1305 | .710 | .175 | 1.256 | .219 | 285 | 121 | .599 | .238 | 1.251 | -.685 | 285 | 244 | -.664 | .132 | -.189 | -1.109 |
| 270 | 1307 | .704 | .187 | 1.274 | .085 | 285 | 125 | .065 | .208 | .633 | .909 | 285 | 245 | -.693 | .169 | -.135 | -1.389 |
| 270 | 1309 | .726 | .194 | 1.341 | .174 | 285 | 126 | .056 | .488 | 1.158 | -2.434 | 285 | 246 | -.702 | .171 | -.126 | -1.241 |
| 270 | 1311 | .741 | .181 | 1.404 | .225 | 285 | 130 | .107 | .246 | .712 | -1.288 | 285 | 247 | -.641 | .162 | -.024 | -1.974 |
| 270 | 1313 | .704 | .188 | 1.358 | .095 | 285 | 131 | .201 | .537 | 1.101 | -1.854 | 285 | 248 | -.653 | .161 | -.096 | -1.772 |
| 270 | 1911 | .770 | .184 | 1.276 | .209 | 285 | 135 | .277 | .246 | .668 | -1.170 | 285 | 249 | -.633 | .146 | -.067 | -1.107 |
| 270 | 1913 | .711 | .168 | 1.315 | .138 | 285 | 136 | .053 | .280 | .977 | -.924 | 285 | 250 | -.678 | .168 | -.198 | -1.332 |
| 270 | 1914 | .736 | .187 | 1.186 | .115 | 285 | 201 | .974 | .338 | -.008 | -.308 | 285 | 251 | -.656 | .158 | -.073 | -1.134 |
| 270 | 1915 | .661 | .179 | 1.256 | .026 | 285 | 202 | .783 | .306 | .134 | -2.711 | 285 | 252 | -.675 | .155 | -.239 | -1.424 |
| 270 | 1916 | .713 | .170 | 1.213 | .105 | 285 | 203 | -.006 | .425 | .592 | -2.954 | 285 | 253 | -.646 | .165 | -.035 | -1.509 |
| 270 | 1917 | .714 | .186 | 1.270 | .158 | 285 | 204 | .649 | .179 | -.052 | -1.520 | 285 | 254 | -.750 | .190 | -.051 | -1.727 |
| 270 | 1918 | .672 | .173 | 1.193 | .115 | 285 | 205 | .627 | .157 | -.120 | -1.269 | 285 | 255 | -.788 | .256 | -.194 | -2.111 |
| 270 | 1921 | .683 | .167 | 1.172 | .201 | 285 | 206 | .643 | .183 | -.143 | -1.386 | 285 | 256 | -.655 | .148 | -.136 | -1.350 |
| 270 | 1923 | .716 | .167 | 1.288 | .174 | 285 | 207 | .617 | .164 | -.089 | -1.283 | 285 | 257 | -.639 | .153 | -.152 | -1.646 |
| 270 | 1924 | .666 | .196 | 1.250 | .017 | 285 | 208 | .671 | .166 | -.159 | -1.311 | 285 | 258 | -.657 | .159 | -.156 | -1.343 |
| 270 | 1925 | .671 | .187 | 1.203 | .087 | 285 | 209 | .630 | .176 | -.041 | -1.323 | 285 | 259 | -.657 | .154 | -.179 | -1.373 |
| 270 | 1926 | .688 | .175 | 1.268 | .099 | 285 | 210 | .693 | .229 | -.099 | -2.259 | 285 | 260 | -.650 | .156 | -.179 | -1.332 |
| 270 | 1927 | .701 | .211 | 1.294 | .013 | 285 | 211 | .846 | .297 | -.083 | -2.423 | 285 | 261 | -.662 | .159 | -.181 | -1.474 |
| 270 | 1928 | .712 | .207 | 1.400 | .014 | 285 | 212 | .920 | .310 | -.170 | -2.261 | 285 | 262 | -.669 | .146 | -.207 | -1.240 |

| WD | TAP | CPNEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPNEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPNEAN | CPRMS | CPMAX | CPMIN |
|-----|-----|--------|-------|-------|--------|-----|------|--------|-------|-------|--------|-----|------|--------|-------|-------|-------|
| 285 | 263 | -.726 | .204 | -.135 | -1.545 | 285 | 912 | -1.267 | .263 | -.544 | -2.259 | 285 | 1227 | .654 | .153 | 1.207 | .197 |
| 285 | 264 | -.727 | .194 | -.168 | -1.383 | 285 | 913 | -1.197 | .264 | -.321 | -2.091 | 285 | 1230 | .668 | .178 | 1.274 | .152 |
| 285 | 265 | -.639 | .168 | -.006 | -1.469 | 285 | 914 | -1.021 | .361 | -.383 | -2.611 | 285 | 1231 | .676 | .177 | 1.228 | .043 |
| 285 | 266 | -.643 | .168 | -.172 | -1.493 | 285 | 915 | -.350 | .354 | -.628 | -2.251 | 285 | 1232 | .669 | .171 | 1.190 | .139 |
| 285 | 267 | -.626 | .169 | -.138 | -1.982 | 285 | 916 | -.004 | .257 | -.790 | -1.540 | 285 | 1233 | .672 | .169 | 1.269 | .201 |
| 285 | 268 | -.549 | .160 | -.168 | -1.338 | 285 | 917 | -.138 | .221 | -.770 | -1.002 | 285 | 1234 | .690 | .166 | 1.253 | .174 |
| 285 | 269 | -.684 | .162 | -.179 | -1.306 | 285 | 918 | -.146 | .219 | -.638 | -1.172 | 285 | 1235 | .660 | .178 | 1.186 | .111 |
| 285 | 270 | -.620 | .134 | -.094 | -1.352 | 285 | 919 | -.484 | .190 | -.192 | -1.113 | 285 | 1236 | .687 | .192 | 1.269 | .116 |
| 285 | 271 | -.601 | .130 | -.005 | -1.120 | 285 | 920 | -1.247 | .270 | -.234 | -2.155 | 285 | 1239 | .670 | .184 | 1.251 | .146 |
| 285 | 272 | -.639 | .195 | -.016 | -1.664 | 285 | 921 | -1.252 | .229 | -.332 | -2.154 | 285 | 1240 | .680 | .168 | 1.274 | .118 |
| 285 | 273 | -.634 | .196 | -.099 | -1.333 | 285 | 922 | -1.376 | .239 | -.597 | -2.175 | 285 | 1241 | .651 | .174 | 1.260 | .029 |
| 285 | 301 | -.332 | .139 | -.012 | -1.144 | 285 | 923 | -1.018 | .219 | -.279 | -1.686 | 285 | 1242 | .662 | .167 | 1.165 | .146 |
| 285 | 302 | -.341 | .143 | -.046 | -.961 | 285 | 924 | -.882 | .273 | -.067 | -1.910 | 285 | 1243 | .665 | .179 | 1.264 | .094 |
| 285 | 303 | -.527 | .164 | -.016 | -1.088 | 285 | 925 | -.119 | .343 | -.710 | -1.318 | 285 | 1244 | .690 | .165 | 1.170 | .174 |
| 285 | 304 | -.491 | .134 | -.046 | -1.003 | 285 | 926 | -.276 | .220 | -.994 | -.615 | 285 | 1245 | .683 | .174 | 1.325 | .101 |
| 285 | 305 | -.408 | .126 | -.007 | -.819 | 285 | 927 | -.377 | .282 | 1.210 | -.747 | 285 | 1248 | .679 | .188 | 1.350 | .120 |
| 285 | 306 | -.395 | .112 | -.039 | -.766 | 285 | 928 | -.795 | .251 | 1.484 | -.132 | 285 | 1249 | .646 | .168 | 1.214 | .014 |
| 285 | 307 | -.406 | .134 | -.229 | -.946 | 285 | 929 | -1.054 | .243 | 1.271 | -1.982 | 285 | 1250 | .678 | .173 | 1.220 | .014 |
| 285 | 308 | -.381 | .122 | -.100 | -.831 | 285 | 930 | -1.100 | .228 | -.222 | -2.152 | 285 | 1251 | .684 | .179 | 1.223 | .192 |
| 285 | 309 | -.400 | .126 | -.038 | -.889 | 285 | 931 | -1.273 | .290 | -.532 | -2.767 | 285 | 1252 | .692 | .183 | 1.234 | .067 |
| 285 | 310 | -.356 | .133 | -.089 | -.810 | 285 | 932 | -.815 | .206 | -.133 | -1.618 | 285 | 1253 | .666 | .171 | 1.165 | .144 |
| 285 | 311 | -.374 | .130 | -.014 | -.872 | 285 | 933 | -1.009 | .239 | -.202 | -1.838 | 285 | 1254 | .709 | .189 | 1.364 | .090 |
| 285 | 312 | -.360 | .127 | -.119 | -.794 | 285 | 934 | -.393 | .294 | -.433 | -1.199 | 285 | 1257 | .646 | .175 | 1.190 | .101 |
| 285 | 313 | -.342 | .135 | -.057 | -.821 | 285 | 935 | -.231 | .276 | -.887 | -.889 | 285 | 1258 | .660 | .184 | 1.286 | .018 |
| 285 | 314 | -.354 | .129 | -.080 | -.831 | 285 | 936 | -.407 | .266 | 1.103 | -.697 | 285 | 1259 | .674 | .179 | 1.285 | .129 |
| 285 | 401 | -.292 | .273 | -.401 | -2.269 | 285 | 937 | -.756 | .211 | 1.386 | -.069 | 285 | 1260 | .673 | .176 | 1.225 | .048 |
| 285 | 402 | -.222 | .240 | -.387 | -2.116 | 285 | 938 | -.869 | .215 | 1.122 | -1.508 | 285 | 1261 | .707 | .170 | 1.155 | .116 |
| 285 | 403 | -.057 | .234 | -.273 | -2.016 | 285 | 939 | -.927 | .232 | 1.204 | -2.872 | 285 | 1262 | .720 | .173 | 1.330 | .153 |
| 285 | 404 | -.868 | .228 | -.099 | -1.741 | 285 | 940 | -1.131 | .297 | 1.220 | -2.632 | 285 | 1263 | .687 | .162 | 1.192 | .128 |
| 285 | 405 | -.700 | .191 | -.060 | -1.445 | 285 | 941 | -.740 | .211 | 1.026 | -1.513 | 285 | 1266 | .665 | .175 | 1.269 | .167 |
| 285 | 501 | -.502 | .241 | 1.177 | -.501 | 285 | 942 | -1.142 | .304 | 1.270 | -2.278 | 285 | 1267 | .642 | .174 | 1.241 | .055 |
| 285 | 502 | -.625 | .261 | 1.369 | -.644 | 285 | 943 | -1.105 | .396 | 1.133 | -3.332 | 285 | 1268 | .662 | .176 | 1.192 | .153 |
| 285 | 503 | -.796 | .210 | 1.465 | -.024 | 285 | 944 | -.362 | .355 | 1.513 | -2.000 | 285 | 1269 | .731 | .176 | 1.271 | .206 |
| 285 | 504 | -.796 | .281 | 1.614 | -.850 | 285 | 945 | -.102 | .273 | 1.115 | -1.084 | 285 | 1270 | .667 | .171 | 1.125 | .016 |
| 285 | 505 | -.296 | .231 | 1.418 | -.509 | 285 | 946 | -.288 | .271 | 1.125 | -.995 | 285 | 1271 | .677 | .180 | 1.176 | .078 |
| 285 | 506 | -.672 | .215 | 1.328 | -.332 | 285 | 1107 | -.676 | .196 | 1.234 | -.097 | 285 | 1272 | .697 | .171 | 1.235 | .162 |
| 285 | 507 | -.773 | .228 | 1.587 | -.135 | 285 | 1108 | -.661 | .177 | 1.183 | -.140 | 285 | 1303 | .681 | .196 | 1.295 | .007 |
| 285 | 508 | -.724 | .249 | 1.655 | -.193 | 285 | 1109 | -.662 | .184 | 1.246 | -.074 | 285 | 1305 | .709 | .168 | 1.263 | .103 |
| 285 | 509 | -.608 | .278 | 1.518 | -.548 | 285 | 1110 | -.689 | .197 | 1.261 | -.065 | 285 | 1307 | .716 | .187 | 1.283 | .034 |
| 285 | 901 | -1.278 | .297 | -.060 | -2.710 | 285 | 1111 | -.660 | .189 | 1.311 | -.023 | 285 | 1309 | .696 | .194 | 1.326 | .040 |
| 285 | 902 | -1.380 | .286 | -.313 | -2.809 | 285 | 1116 | -.653 | .166 | 1.210 | -.138 | 285 | 1311 | .747 | .177 | 1.309 | .199 |
| 285 | 903 | -1.316 | .279 | -.399 | -2.300 | 285 | 1121 | -.648 | .171 | 1.204 | -.021 | 285 | 1313 | .678 | .166 | 1.195 | .183 |
| 285 | 904 | -1.171 | .386 | -.086 | -2.940 | 285 | 1126 | -.631 | .194 | 1.244 | -.046 | 285 | 1911 | .741 | .177 | 1.273 | .128 |
| 285 | 905 | -.393 | .351 | -.537 | -2.353 | 285 | 1136 | -.621 | .195 | 1.236 | .014 | 285 | 1913 | .683 | .199 | 1.362 | .040 |
| 285 | 906 | -.021 | .274 | -.761 | -1.947 | 285 | 1221 | -.690 | .179 | 1.272 | -.106 | 285 | 1914 | .724 | .180 | 1.367 | .207 |
| 285 | 907 | -.098 | .191 | -.690 | -.917 | 285 | 1222 | -.661 | .175 | 1.285 | -.018 | 285 | 1915 | .657 | .186 | 1.206 | .081 |
| 285 | 908 | -.372 | .226 | -.543 | -1.274 | 285 | 1223 | -.663 | .193 | 1.315 | .034 | 285 | 1916 | .683 | .196 | 1.267 | .034 |
| 285 | 909 | -.448 | .172 | -.166 | -1.239 | 285 | 1224 | -.670 | .186 | 1.250 | .123 | 285 | 1917 | .702 | .155 | 1.197 | .107 |
| 285 | 910 | -1.294 | .228 | -.509 | -2.053 | 285 | 1225 | -.650 | .177 | 1.353 | .132 | 285 | 1918 | .706 | .190 | 1.252 | .136 |
| 285 | 911 | -1.265 | .253 | -.508 | -2.288 | 285 | 1226 | -.642 | .160 | 1.121 | .057 | 285 | 1921 | .683 | .178 | 1.360 | .156 |

| WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN |
|-----|------|--------|-------|-------|-------|-----|-----|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|
| 285 | 1923 | .678 | .189 | 1.346 | .089 | 300 | 207 | -.697 | .149 | -.256 | -1.303 | 300 | 257 | -.719 | .137 | -.288 | -1.238 |
| 285 | 1924 | .679 | .198 | 1.322 | .142 | 300 | 208 | -.749 | .125 | -.354 | -1.276 | 300 | 258 | -.716 | .138 | -.311 | -1.112 |
| 285 | 1925 | .682 | .171 | 1.324 | .179 | 300 | 209 | -.698 | .131 | -.289 | -1.271 | 300 | 259 | -.720 | .143 | -.236 | -1.186 |
| 285 | 1926 | .705 | .178 | 1.324 | .158 | 300 | 210 | -.677 | .139 | -.198 | -1.257 | 300 | 260 | -.708 | .135 | -.311 | -1.179 |
| 285 | 1927 | .676 | .185 | 1.226 | .179 | 300 | 211 | -.685 | .131 | -.212 | -1.174 | 300 | 261 | -.719 | .139 | -.282 | -1.245 |
| 285 | 1928 | .696 | .179 | 1.277 | .138 | 300 | 212 | -.709 | .128 | -.187 | -1.195 | 300 | 262 | -.720 | .132 | -.258 | -1.195 |
| 285 | 1930 | .666 | .195 | 1.275 | .120 | 300 | 213 | -.718 | .134 | -.265 | -1.183 | 300 | 263 | -.819 | .166 | -.224 | -1.796 |
| 285 | 1932 | .661 | .180 | 1.269 | .067 | 300 | 214 | -.670 | .148 | -.189 | -1.097 | 300 | 264 | -.805 | .139 | -.356 | -1.320 |
| 285 | 1933 | .678 | .185 | 1.216 | .179 | 300 | 215 | -.695 | .142 | -.224 | -1.215 | 300 | 265 | -.718 | .160 | -.228 | -1.431 |
| 285 | 1934 | .651 | .192 | 1.199 | .091 | 300 | 216 | -.716 | .142 | -.206 | -1.301 | 300 | 266 | -.731 | .161 | -.169 | -1.337 |
| 285 | 1935 | .704 | .195 | 1.291 | .022 | 300 | 217 | -.829 | .275 | -.275 | -2.532 | 300 | 267 | -.711 | .142 | -.142 | -1.225 |
| 285 | 1936 | .673 | .201 | 1.328 | .046 | 300 | 218 | -.725 | .152 | -.310 | -1.236 | 300 | 268 | -.707 | .142 | -.240 | -1.215 |
| 285 | 1937 | .702 | .177 | 1.259 | .160 | 300 | 219 | -.717 | .144 | -.231 | -1.282 | 300 | 269 | -.719 | .123 | -.192 | -1.160 |
| 285 | 1939 | .702 | .186 | 1.187 | .065 | 300 | 220 | -.673 | .134 | -.226 | -1.104 | 300 | 270 | -.750 | .125 | -.323 | -1.193 |
| 285 | 1941 | .706 | .198 | 1.265 | .054 | 300 | 221 | -.681 | .136 | -.245 | -1.124 | 300 | 271 | -.717 | .138 | -.244 | -1.190 |
| 285 | 1942 | .712 | .192 | 1.283 | .158 | 300 | 222 | -.702 | .126 | -.153 | -1.119 | 300 | 272 | -.754 | .148 | -.282 | -1.278 |
| 285 | 1943 | .663 | .181 | 1.242 | .105 | 300 | 223 | -.698 | .134 | -.290 | -1.110 | 300 | 273 | -.768 | .151 | -.249 | -1.283 |
| 285 | 1944 | .701 | .175 | 1.242 | .193 | 300 | 224 | -.708 | .137 | -.226 | -1.151 | 300 | 301 | -.489 | .174 | -.154 | -1.141 |
| 285 | 1945 | .703 | .174 | 1.271 | .211 | 300 | 225 | -.718 | .134 | -.302 | -1.185 | 300 | 302 | -.550 | .191 | -.184 | -1.183 |
| 285 | 1946 | .694 | .189 | 1.285 | .071 | 300 | 226 | -.717 | .142 | -.306 | -1.200 | 300 | 303 | -.341 | .167 | -.332 | -.846 |
| 300 | 101 | .291 | .207 | 1.074 | .416 | 300 | 227 | -.741 | .142 | -.252 | -1.286 | 300 | 304 | -.362 | .160 | -.158 | -.905 |
| 300 | 102 | .096 | .193 | .772 | .596 | 300 | 228 | -.786 | .145 | -.256 | -1.264 | 300 | 305 | -.281 | .144 | -.285 | -.751 |
| 300 | 103 | .072 | .189 | .461 | .882 | 300 | 229 | -.716 | .137 | -.298 | -1.167 | 300 | 306 | -.260 | .128 | -.204 | -.657 |
| 300 | 104 | .054 | .161 | .548 | .588 | 300 | 230 | -.707 | .121 | -.284 | -1.379 | 300 | 307 | -.303 | .129 | -.134 | -.749 |
| 300 | 105 | .145 | .176 | .514 | .758 | 300 | 231 | -.677 | .127 | -.291 | -1.153 | 300 | 308 | -.297 | .129 | -.174 | -.756 |
| 300 | 106 | .654 | .214 | 1.451 | .007 | 300 | 232 | -.704 | .129 | -.282 | -1.268 | 300 | 309 | -.281 | .121 | -.207 | -.697 |
| 300 | 107 | .739 | .199 | 1.391 | .028 | 300 | 233 | -.714 | .122 | -.309 | -1.158 | 300 | 310 | -.272 | .120 | -.156 | -.671 |
| 300 | 108 | .669 | .190 | 1.252 | .020 | 300 | 234 | -.731 | .125 | -.174 | -1.186 | 300 | 311 | -.282 | .146 | -.167 | -.743 |
| 300 | 109 | .603 | .206 | 1.215 | .031 | 300 | 235 | -.731 | .130 | -.277 | -1.179 | 300 | 312 | -.280 | .124 | -.114 | -.720 |
| 300 | 110 | .534 | .177 | 1.034 | .027 | 300 | 236 | -.739 | .158 | -.228 | -1.332 | 300 | 313 | -.264 | .121 | -.153 | -.679 |
| 300 | 111 | .741 | .203 | 1.368 | .102 | 300 | 237 | -.782 | .142 | -.277 | -1.421 | 300 | 314 | -.269 | .116 | -.100 | -.694 |
| 300 | 112 | .670 | .177 | 1.224 | .045 | 300 | 238 | -.688 | .128 | -.184 | -1.146 | 300 | 401 | -.537 | .231 | -.213 | -.1505 |
| 300 | 113 | .628 | .188 | 1.236 | .097 | 300 | 239 | -.684 | .139 | -.215 | -1.128 | 300 | 402 | -.537 | .211 | -.169 | -.1301 |
| 300 | 114 | .529 | .203 | 1.100 | .428 | 300 | 240 | -.706 | .136 | -.210 | -1.263 | 300 | 403 | -.723 | .269 | -.081 | -1.601 |
| 300 | 115 | .611 | .246 | 1.431 | .263 | 300 | 241 | -.707 | .128 | -.332 | -1.158 | 300 | 404 | -.154 | .286 | -.093 | -2.196 |
| 300 | 116 | .653 | .197 | 1.391 | .065 | 300 | 242 | -.736 | .144 | -.313 | -1.372 | 300 | 405 | -.943 | .207 | -.179 | -.1733 |
| 300 | 120 | .573 | .187 | 1.326 | .071 | 300 | 243 | -.729 | .121 | -.281 | -1.170 | 300 | 501 | -.241 | .233 | 1.062 | -.532 |
| 300 | 121 | .661 | .167 | 1.346 | .183 | 300 | 244 | -.731 | .141 | -.277 | -1.341 | 300 | 502 | -.279 | .253 | 1.050 | -.576 |
| 300 | 125 | .448 | .212 | 1.130 | .329 | 300 | 245 | -.809 | .144 | -.251 | -1.227 | 300 | 503 | -.315 | .278 | 1.190 | -.680 |
| 300 | 126 | .555 | .192 | 1.205 | .123 | 300 | 246 | -.795 | .140 | -.337 | -1.278 | 300 | 504 | -.169 | .430 | 1.126 | -.1465 |
| 300 | 130 | .383 | .193 | 1.096 | .217 | 300 | 247 | -.726 | .153 | -.326 | -1.283 | 300 | 505 | -.134 | .212 | 1.800 | -.582 |
| 300 | 131 | .439 | .238 | .992 | .830 | 300 | 248 | -.719 | .147 | -.284 | -1.186 | 300 | 506 | -.330 | .235 | 1.968 | -.460 |
| 300 | 135 | .285 | .187 | .926 | .299 | 300 | 249 | -.708 | .137 | -.240 | -1.142 | 300 | 507 | -.260 | .235 | 1.968 | -.460 |
| 300 | 136 | .448 | .201 | 1.282 | .135 | 300 | 250 | -.707 | .126 | -.259 | -1.195 | 300 | 508 | -.276 | .235 | 1.046 | -.1545 |
| 300 | 201 | .712 | .175 | 1.180 | .482 | 300 | 251 | -.716 | .124 | -.316 | -1.153 | 300 | 509 | -.151 | .245 | 1.902 | -.788 |
| 300 | 202 | .731 | .166 | 1.171 | .688 | 300 | 252 | -.739 | .136 | -.334 | -1.220 | 300 | 901 | -.180 | .427 | 1.676 | -.3934 |
| 300 | 203 | .776 | .200 | 1.064 | .929 | 300 | 253 | -.754 | .137 | -.274 | -1.238 | 300 | 902 | -.934 | .317 | 1.085 | -.3095 |
| 300 | 204 | .699 | .152 | 1.134 | .269 | 300 | 254 | -.796 | .161 | -.235 | -1.661 | 300 | 903 | -.600 | .253 | 1.035 | -.1699 |
| 300 | 205 | .711 | .135 | 1.224 | .217 | 300 | 255 | -.886 | .200 | -.296 | -1.711 | 300 | 904 | -.498 | .228 | 1.933 | -.1883 |
| 300 | 206 | .700 | .146 | 1.302 | .340 | 300 | 256 | -.699 | .145 | -.201 | -1.211 | 300 | 905 | -.340 | .256 | .512 | -.1679 |

| WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | |
|-----|------|--------|-------|-------|-------|-----|-----|--------|-------|-------|-------|-------|-----|--------|-------|-------|-------|-------|
| 300 | 906 | -.224 | .282 | .616 | -.2 | 294 | 300 | 1221 | .588 | .188 | 1.359 | -.111 | 300 | 1914 | .617 | .168 | 1.139 | -.030 |
| 300 | 907 | -.171 | .267 | .672 | -.1 | 983 | 300 | 1222 | .616 | .182 | 1.175 | -.040 | 300 | 1915 | .563 | .176 | 1.143 | -.026 |
| 300 | 908 | -.135 | .225 | .572 | -.1 | 182 | 300 | 1223 | .690 | .162 | 1.096 | -.117 | 300 | 1916 | .620 | .191 | 1.129 | -.028 |
| 300 | 909 | -.298 | .165 | .247 | -.8 | 24 | 300 | 1224 | .590 | .180 | 1.298 | -.038 | 300 | 1917 | .554 | .187 | 1.057 | -.101 |
| 300 | 910 | -2.934 | .638 | -.960 | -4 | 132 | 300 | 1225 | .581 | .162 | 1.105 | -.077 | 300 | 1918 | .566 | .191 | 1.198 | -.080 |
| 300 | 911 | -.688 | .443 | .533 | -3 | 606 | 300 | 1226 | .560 | .181 | 1.136 | -.052 | 300 | 1921 | .592 | .163 | 1.123 | -.090 |
| 300 | 912 | -.713 | .265 | .097 | -2 | 115 | 300 | 1227 | .560 | .196 | 1.092 | -.004 | 300 | 1923 | .567 | .189 | 1.210 | -.074 |
| 300 | 913 | -.508 | .191 | .114 | -1 | 305 | 300 | 1230 | .716 | .182 | 1.332 | .145 | 300 | 1924 | .578 | .164 | 1.115 | -.074 |
| 300 | 914 | -.504 | .225 | .239 | -1 | 623 | 300 | 1231 | .640 | .182 | 1.236 | .105 | 300 | 1925 | .556 | .181 | 1.186 | -.101 |
| 300 | 915 | -.346 | .247 | .418 | -1 | 422 | 300 | 1232 | .622 | .170 | 1.241 | .117 | 300 | 1926 | .582 | .165 | 1.240 | .130 |
| 300 | 916 | -.215 | .271 | .612 | -1 | 372 | 300 | 1233 | .583 | .166 | 1.212 | -.096 | 300 | 1927 | .556 | .188 | 1.097 | -.064 |
| 300 | 917 | -.175 | .255 | .692 | -1 | 436 | 300 | 1234 | .582 | .149 | 1.112 | .133 | 300 | 1928 | .563 | .190 | 1.141 | -.157 |
| 300 | 918 | -.250 | .284 | .495 | -1 | 786 | 300 | 1235 | .594 | .180 | 1.219 | -.029 | 300 | 1930 | .563 | .171 | 1.206 | -.008 |
| 300 | 919 | -.184 | .164 | .342 | -1 | 852 | 300 | 1236 | .568 | .165 | 1.141 | -.072 | 300 | 1932 | .593 | .165 | 1.157 | -.056 |
| 300 | 920 | -1.764 | .274 | .640 | -2 | 562 | 300 | 1239 | .644 | .197 | 1.154 | -.074 | 300 | 1933 | .576 | .179 | 1.210 | -.036 |
| 300 | 921 | -2.217 | .346 | .077 | -3 | 614 | 300 | 1240 | .628 | .192 | 1.273 | -.077 | 300 | 1934 | .540 | .180 | 1.340 | -.034 |
| 300 | 922 | -1.004 | .442 | .031 | -3 | 630 | 300 | 1241 | .614 | .181 | 1.406 | -.049 | 300 | 1935 | .580 | .179 | 1.196 | -.046 |
| 300 | 923 | -.616 | .219 | .193 | -1 | 349 | 300 | 1242 | .617 | .175 | 1.148 | -.040 | 300 | 1936 | .600 | .166 | 1.169 | -.066 |
| 300 | 924 | -.381 | .269 | .616 | -1 | 309 | 300 | 1243 | .581 | .169 | 1.203 | .103 | 300 | 1937 | .564 | .174 | 1.200 | -.038 |
| 300 | 925 | -.232 | .221 | .537 | -1 | 932 | 300 | 1244 | .586 | .165 | 1.122 | -.066 | 300 | 1939 | .555 | .169 | 1.099 | -.054 |
| 300 | 926 | -.122 | .217 | .652 | -1 | 814 | 300 | 1245 | .582 | .173 | 1.098 | -.012 | 300 | 1941 | .560 | .182 | 1.131 | -.048 |
| 300 | 927 | -.161 | .249 | .771 | -1 | 349 | 300 | 1248 | .603 | .179 | 1.234 | -.077 | 300 | 1942 | .583 | .187 | 1.228 | -.040 |
| 300 | 928 | -.313 | .268 | .409 | -1 | 775 | 300 | 1249 | .578 | .170 | 1.127 | -.028 | 300 | 1943 | .564 | .180 | 1.200 | -.056 |
| 300 | 929 | -1.310 | .217 | .664 | -2 | 272 | 300 | 1250 | .598 | .169 | 1.115 | -.007 | 300 | 1944 | .565 | .187 | 1.286 | -.056 |
| 300 | 930 | -1.465 | .254 | .610 | -2 | 325 | 300 | 1251 | .586 | .162 | 1.238 | -.005 | 300 | 1945 | .538 | .163 | 1.043 | -.036 |
| 300 | 931 | -1.732 | .397 | .057 | -4 | 024 | 300 | 1252 | .598 | .171 | 1.105 | -.045 | 300 | 1946 | .552 | .158 | 1.041 | -.122 |
| 300 | 932 | -.717 | .219 | .034 | -1 | 673 | 300 | 1253 | .579 | .168 | 1.147 | -.098 | 315 | 101 | .132 | .261 | .826 | -.075 |
| 300 | 933 | -.127 | .291 | .978 | -1 | 311 | 300 | 1254 | .548 | .168 | 1.141 | -.056 | 315 | 102 | -.062 | .175 | .333 | -.669 |
| 300 | 934 | -.026 | .231 | .777 | -1 | 031 | 300 | 1257 | .565 | .182 | 1.115 | -.068 | 315 | 103 | -.241 | .160 | .280 | -.765 |
| 300 | 935 | .017 | .243 | .773 | -1 | 838 | 300 | 1258 | .572 | .171 | 1.299 | -.022 | 315 | 104 | -.228 | .154 | .244 | -.796 |
| 300 | 936 | .102 | .219 | .911 | -1 | 667 | 300 | 1259 | .607 | .172 | 1.208 | -.031 | 315 | 105 | -.272 | .159 | .310 | -.785 |
| 300 | 937 | .311 | .228 | .066 | -1 | 385 | 300 | 1260 | .551 | .180 | 1.219 | -.062 | 315 | 106 | .542 | .271 | 1.176 | .412 |
| 300 | 938 | -1.195 | .212 | .440 | -1 | 933 | 300 | 1261 | .578 | .160 | 1.080 | -.131 | 315 | 107 | .505 | .229 | 1.174 | .803 |
| 300 | 939 | -1.252 | .225 | .550 | -2 | 096 | 300 | 1262 | .574 | .171 | 1.106 | -.114 | 315 | 108 | .467 | .172 | 1.073 | -.074 |
| 300 | 940 | -1.326 | .240 | .582 | -2 | 660 | 300 | 1263 | .592 | .156 | 1.094 | -.043 | 315 | 109 | .319 | .156 | .833 | -.125 |
| 300 | 941 | -1.115 | .240 | .079 | -1 | 972 | 300 | 1266 | .554 | .191 | 1.227 | -.020 | 315 | 110 | .266 | .161 | .798 | -.236 |
| 300 | 942 | -.922 | .313 | .104 | -2 | 579 | 300 | 1267 | .531 | .158 | 1.120 | -.058 | 315 | 111 | .491 | .180 | .976 | -.113 |
| 300 | 943 | -.213 | .236 | .569 | -1 | 359 | 300 | 1268 | .611 | .162 | 1.161 | -.101 | 315 | 112 | .433 | .156 | .935 | -.168 |
| 300 | 944 | -.008 | .219 | .612 | -1 | 142 | 300 | 1269 | .601 | .169 | 1.271 | -.133 | 315 | 113 | .366 | .174 | .838 | -.361 |
| 300 | 945 | .006 | .195 | .612 | -1 | 011 | 300 | 1270 | .609 | .163 | 1.180 | -.133 | 315 | 114 | .327 | .195 | .867 | -.339 |
| 300 | 946 | .156 | .204 | .909 | -1 | 590 | 300 | 1271 | .566 | .166 | 1.198 | -.061 | 315 | 115 | .506 | .273 | 1.088 | -.564 |
| 300 | 1107 | .586 | .160 | .159 | -1 | 126 | 300 | 1272 | .545 | .181 | 1.180 | -.040 | 315 | 116 | .432 | .170 | .913 | -.135 |
| 300 | 1108 | .599 | .180 | .172 | -1 | 388 | 300 | 1303 | .587 | .150 | 1.049 | -.086 | 315 | 120 | .464 | .270 | 1.244 | -.492 |
| 300 | 1109 | .606 | .177 | .127 | -1 | 083 | 300 | 1305 | .573 | .160 | 1.109 | -.084 | 315 | 121 | .441 | .152 | .871 | -.355 |
| 300 | 1110 | .609 | .173 | .186 | -1 | 020 | 300 | 1307 | .598 | .187 | 1.314 | -.048 | 315 | 125 | .372 | .266 | 1.094 | -.792 |
| 300 | 1111 | .610 | .174 | .256 | -1 | 028 | 300 | 1309 | .557 | .175 | 1.073 | -.032 | 315 | 126 | .382 | .182 | .859 | -.498 |
| 300 | 1116 | .560 | .174 | .178 | -1 | 052 | 300 | 1311 | .634 | .186 | 1.250 | -.080 | 315 | 130 | .344 | .224 | 1.003 | -.434 |
| 300 | 1121 | .584 | .155 | .159 | -1 | 120 | 300 | 1313 | .569 | .169 | 1.157 | -.072 | 315 | 131 | .408 | .193 | 1.000 | -.785 |
| 300 | 1126 | .583 | .176 | .242 | -1 | 032 | 300 | 1911 | .677 | .167 | 1.270 | -.152 | 315 | 135 | .339 | .200 | 1.017 | -.484 |
| 300 | 1136 | .531 | .172 | .047 | -1 | 072 | 300 | 1913 | .605 | .178 | 1.222 | -.018 | 315 | 136 | .433 | .161 | .942 | -.119 |

| WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN |
|-----|-----|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|-----|------|--------|-------|-------|--------|
| 315 | 201 | -.768 | .142 | -.299 | -1.226 | 315 | 251 | -.774 | .127 | -.296 | -1.299 | 315 | 909 | -.209 | .324 | -.867 | -1.308 |
| 315 | 202 | -.760 | .124 | -.368 | -1.185 | 315 | 252 | -.772 | .135 | -.385 | -1.262 | 315 | 901 | -1.595 | .340 | -.695 | -1.343 |
| 315 | 203 | -.835 | .151 | -.239 | -1.337 | 315 | 253 | -.783 | .161 | -.251 | -1.388 | 315 | 902 | -1.135 | .225 | -.329 | -2.460 |
| 315 | 204 | -.754 | .129 | -.302 | -1.267 | 315 | 254 | -.839 | .179 | -.365 | -1.576 | 315 | 903 | -1.259 | .320 | -.394 | -2.480 |
| 315 | 205 | -.747 | .126 | -.269 | -1.138 | 315 | 255 | -.887 | .200 | -.265 | -1.734 | 315 | 904 | -.743 | .181 | -.162 | -1.421 |
| 315 | 206 | -.735 | .130 | -.249 | -1.269 | 315 | 256 | -.742 | .151 | -.311 | -1.334 | 315 | 905 | -.580 | .185 | -.044 | -1.601 |
| 315 | 207 | -.678 | .147 | -.235 | -1.191 | 315 | 257 | -.758 | .149 | -.333 | -1.357 | 315 | 906 | -.495 | .185 | -.065 | -1.549 |
| 315 | 208 | -.771 | .143 | -.295 | -1.258 | 315 | 258 | -.723 | .146 | -.204 | -1.237 | 315 | 907 | -.504 | .237 | -.254 | -1.979 |
| 315 | 209 | -.733 | .137 | -.288 | -1.251 | 315 | 259 | -.738 | .130 | -.294 | -1.253 | 315 | 908 | -.378 | .262 | -.555 | -1.670 |
| 315 | 210 | -.751 | .140 | -.226 | -1.191 | 315 | 260 | -.729 | .135 | -.294 | -1.205 | 315 | 909 | -.069 | .176 | -.373 | -1.832 |
| 315 | 211 | -.753 | .118 | -.403 | -1.187 | 315 | 261 | -.765 | .138 | -.324 | -1.237 | 315 | 910 | -2.952 | .700 | -.982 | -4.146 |
| 315 | 212 | -.747 | .122 | -.403 | -1.148 | 315 | 262 | -.743 | .153 | -.228 | -1.416 | 315 | 911 | -1.212 | .285 | -.208 | -2.478 |
| 315 | 213 | -.761 | .145 | -.216 | -1.231 | 315 | 263 | -.850 | .169 | -.315 | -1.755 | 315 | 912 | -1.178 | .226 | -.448 | -2.060 |
| 315 | 214 | -.740 | .137 | -.285 | -1.192 | 315 | 264 | -.886 | .185 | -.412 | -1.631 | 315 | 913 | -.773 | .187 | -.258 | -1.442 |
| 315 | 215 | -.766 | .134 | -.352 | -1.270 | 315 | 265 | -.726 | .168 | -.209 | -1.467 | 315 | 914 | -.744 | .185 | -.191 | -1.603 |
| 315 | 216 | -.737 | .138 | -.194 | -1.279 | 315 | 266 | -.727 | .161 | -.184 | -1.397 | 315 | 915 | -.584 | .207 | -.168 | -1.569 |
| 315 | 217 | -.923 | .395 | -.230 | -3.613 | 315 | 267 | -.721 | .141 | -.225 | -1.201 | 315 | 916 | -.526 | .205 | -.172 | -2.395 |
| 315 | 218 | -.737 | .136 | -.331 | -1.369 | 315 | 268 | -.752 | .136 | -.141 | -1.237 | 315 | 917 | -.545 | .228 | -.176 | -1.886 |
| 315 | 219 | -.798 | .146 | -.334 | -1.353 | 315 | 269 | -.754 | .144 | -.154 | -1.239 | 315 | 918 | -.668 | .320 | -.279 | -2.363 |
| 315 | 220 | -.712 | .129 | -.194 | -1.224 | 315 | 270 | -.776 | .136 | -.264 | -1.194 | 315 | 919 | -.070 | .207 | -.885 | -1.755 |
| 315 | 221 | -.735 | .137 | -.232 | -1.233 | 315 | 271 | -.781 | .146 | -.287 | -1.370 | 315 | 920 | -1.965 | .303 | -.850 | -4.430 |
| 315 | 222 | -.727 | .121 | -.333 | -1.127 | 315 | 272 | -.834 | .146 | -.360 | -1.318 | 315 | 921 | -1.157 | .578 | -.019 | -3.415 |
| 315 | 223 | -.728 | .130 | -.333 | -1.185 | 315 | 273 | -.812 | .141 | -.317 | -1.521 | 315 | 922 | -.583 | .176 | -.034 | -1.151 |
| 315 | 224 | -.750 | .115 | -.269 | -1.093 | 315 | 301 | -.194 | .200 | -.625 | -1.014 | 315 | 923 | -.756 | .186 | -.187 | -1.464 |
| 315 | 225 | -.773 | .130 | -.308 | -1.203 | 315 | 302 | -.200 | .208 | -.439 | -1.070 | 315 | 924 | -.648 | .199 | -.034 | -1.256 |
| 315 | 226 | -.765 | .134 | -.221 | -1.191 | 315 | 303 | -.043 | .168 | -.596 | -.650 | 315 | 925 | -.574 | .223 | -.511 | -1.306 |
| 315 | 227 | -.765 | .146 | -.321 | -1.258 | 315 | 304 | -.065 | .187 | -.540 | -.803 | 315 | 926 | -.494 | .224 | -.269 | -1.292 |
| 315 | 228 | -.801 | .147 | -.327 | -1.594 | 315 | 305 | -.056 | .158 | -.471 | -.504 | 315 | 927 | -.460 | .291 | -.574 | -1.755 |
| 315 | 229 | -.744 | .138 | -.267 | -1.238 | 315 | 306 | -.043 | .128 | -.416 | -.474 | 315 | 928 | -.006 | .276 | -.024 | -1.973 |
| 315 | 230 | -.733 | .139 | -.309 | -1.228 | 315 | 307 | -.087 | .143 | -.386 | -.589 | 315 | 929 | -1.490 | .225 | -.804 | -2.192 |
| 315 | 231 | -.713 | .130 | -.291 | -1.212 | 315 | 308 | -.075 | .149 | -.404 | -.566 | 315 | 930 | -.863 | .280 | -.028 | -2.916 |
| 315 | 232 | -.745 | .134 | -.260 | -1.189 | 315 | 309 | -.077 | .137 | -.372 | -.513 | 315 | 931 | -.799 | .433 | -.034 | -3.609 |
| 315 | 233 | -.759 | .117 | -.367 | -1.194 | 315 | 310 | -.059 | .131 | -.405 | -.506 | 315 | 932 | -.560 | .165 | -.050 | -1.306 |
| 315 | 234 | -.746 | .126 | -.328 | -1.199 | 315 | 311 | -.060 | .137 | -.328 | -.589 | 315 | 933 | -.326 | .215 | -.441 | -1.143 |
| 315 | 235 | -.801 | .156 | -.348 | -1.412 | 315 | 312 | -.062 | .135 | -.342 | -.524 | 315 | 934 | -.303 | .221 | -.431 | -1.074 |
| 315 | 236 | -.818 | .159 | -.348 | -1.583 | 315 | 313 | -.048 | .139 | -.431 | -.545 | 315 | 935 | -.267 | .201 | -.477 | -1.290 |
| 315 | 237 | -.813 | .141 | -.332 | -1.380 | 315 | 314 | -.049 | .146 | -.421 | -.486 | 315 | 936 | -.204 | .253 | -.665 | -1.048 |
| 315 | 238 | -.705 | .159 | -.232 | -1.295 | 315 | 401 | -.994 | .175 | -.458 | -1.700 | 315 | 937 | -.032 | .219 | -.899 | -1.723 |
| 315 | 239 | -.753 | .139 | -.326 | -1.425 | 315 | 402 | -.808 | .188 | -.225 | -1.449 | 315 | 938 | -.254 | .212 | -.538 | -1.995 |
| 315 | 240 | -.726 | .137 | -.195 | -1.255 | 315 | 403 | -.817 | .162 | -.249 | -1.433 | 315 | 939 | -1.410 | .213 | -.670 | -2.241 |
| 315 | 241 | -.733 | .138 | -.228 | -1.182 | 315 | 404 | -.650 | .255 | -.002 | -2.096 | 315 | 940 | -.646 | .509 | -.122 | -3.332 |
| 315 | 242 | -.742 | .127 | -.370 | -1.176 | 315 | 405 | -.829 | .210 | -.189 | -1.700 | 315 | 941 | -.858 | .208 | -.228 | -1.593 |
| 315 | 243 | -.761 | .134 | -.321 | -1.231 | 315 | 501 | -.099 | .207 | -.547 | -1.053 | 315 | 942 | -.439 | .180 | -.152 | -1.104 |
| 315 | 244 | -.782 | .141 | -.257 | -1.409 | 315 | 502 | -.082 | .228 | -.664 | -.914 | 315 | 943 | -.258 | .167 | -.277 | -1.967 |
| 315 | 245 | -.823 | .156 | -.337 | -1.386 | 315 | 503 | -.050 | .238 | -.682 | -.920 | 315 | 944 | -.200 | .200 | -.463 | -1.452 |
| 315 | 246 | -.848 | .134 | -.368 | -1.536 | 315 | 504 | -.428 | .316 | -.593 | -1.390 | 315 | 945 | -.256 | .216 | -.655 | -1.438 |
| 315 | 247 | -.757 | .161 | -.230 | -1.490 | 315 | 505 | -.241 | .203 | -.635 | -.928 | 315 | 946 | -.230 | .190 | -.323 | -1.892 |
| 315 | 248 | -.742 | .145 | -.216 | -1.207 | 315 | 506 | -.010 | .233 | -.830 | -.846 | 315 | 1107 | -.359 | .168 | -.857 | -1.106 |
| 315 | 249 | -.722 | .134 | -.297 | -1.239 | 315 | 507 | -.015 | .238 | -.744 | -.890 | 315 | 1108 | -.359 | .156 | -.903 | -1.096 |
| 315 | 250 | -.712 | .149 | -.266 | -1.230 | 315 | 508 | -.126 | .295 | -.752 | -1.451 | 315 | 1109 | -.354 | .152 | -.919 | -1.080 |

| WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN |
|-----|------|--------|-------|-------|-------|-----|------|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|
| 315 | 1110 | .353 | .156 | .803 | -.118 | 315 | 1307 | .382 | .154 | .865 | -.116 | 330 | 125 | -.326 | .246 | .408 | -1.188 |
| 315 | 1111 | .366 | .167 | .819 | -.163 | 315 | 1309 | .351 | .163 | .873 | -.126 | 330 | 126 | -.226 | .254 | .515 | -1.224 |
| 315 | 1116 | .377 | .157 | .823 | -.137 | 315 | 1311 | .400 | .155 | .729 | -.199 | 330 | 130 | -.298 | .232 | .360 | -1.231 |
| 315 | 1121 | .374 | .141 | .817 | -.223 | 315 | 1313 | .349 | .150 | .851 | -.183 | 330 | 131 | -.193 | .255 | .333 | -1.130 |
| 315 | 1126 | .363 | .166 | .831 | -.197 | 315 | 1911 | .460 | .147 | .961 | -.040 | 330 | 135 | -.239 | .223 | .526 | -1.225 |
| 315 | 1136 | .370 | .158 | .883 | -.185 | 315 | 1913 | .364 | .176 | .897 | -.225 | 330 | 136 | -.156 | .279 | .784 | -1.339 |
| 315 | 1221 | .438 | .181 | .958 | -.112 | 315 | 1914 | .411 | .146 | .873 | -.048 | 330 | 201 | -.643 | .137 | -.097 | -1.045 |
| 315 | 1222 | .392 | .161 | .914 | -.156 | 315 | 1915 | .361 | .175 | .873 | -.253 | 330 | 202 | -.526 | .128 | -.177 | -1.092 |
| 315 | 1223 | .398 | .183 | 1.005 | -.154 | 315 | 1916 | .402 | .163 | .913 | -.193 | 330 | 203 | -.719 | .139 | -.275 | -1.369 |
| 315 | 1224 | .367 | .153 | .944 | -.140 | 315 | 1917 | .368 | .158 | .863 | -.139 | 330 | 204 | -.695 | .154 | -.268 | -1.423 |
| 315 | 1225 | .378 | .151 | .918 | -.119 | 315 | 1918 | .371 | .155 | .877 | -.177 | 330 | 205 | -.704 | .134 | -.291 | -1.159 |
| 315 | 1226 | .367 | .151 | .875 | -.105 | 315 | 1921 | .356 | .174 | .899 | -.217 | 330 | 206 | -.673 | .145 | -.195 | -1.132 |
| 315 | 1227 | .355 | .161 | .886 | -.207 | 315 | 1923 | .346 | .155 | .817 | -.133 | 330 | 207 | -.666 | .136 | -.211 | -1.152 |
| 315 | 1230 | .553 | .211 | 1.248 | -.138 | 315 | 1924 | .349 | .173 | .907 | -.173 | 330 | 208 | -.684 | .131 | -.254 | -1.132 |
| 315 | 1231 | .401 | .163 | .919 | -.167 | 315 | 1925 | .360 | .165 | .937 | -.169 | 330 | 209 | -.678 | .135 | -.204 | -1.124 |
| 315 | 1232 | .411 | .161 | .893 | -.080 | 315 | 1926 | .359 | .175 | .965 | -.169 | 330 | 210 | -.664 | .146 | -.128 | -1.166 |
| 315 | 1233 | .382 | .163 | .902 | -.124 | 315 | 1927 | .373 | .162 | .891 | -.269 | 330 | 211 | -.636 | .132 | -.146 | -1.083 |
| 315 | 1234 | .342 | .163 | .837 | -.182 | 315 | 1928 | .370 | .175 | .973 | -.135 | 330 | 212 | -.637 | .136 | -.174 | -1.050 |
| 315 | 1235 | .351 | .162 | .970 | -.144 | 315 | 1930 | .374 | .147 | .783 | -.108 | 330 | 213 | -.636 | .148 | -.077 | -1.050 |
| 315 | 1236 | .374 | .164 | .888 | -.091 | 315 | 1932 | .370 | .167 | .827 | -.191 | 330 | 214 | -.635 | .139 | -.121 | -1.173 |
| 315 | 1239 | .502 | .211 | 1.343 | -.128 | 315 | 1933 | .368 | .158 | .917 | -.147 | 330 | 215 | -.678 | .142 | -.270 | -1.185 |
| 315 | 1240 | .401 | .180 | .979 | -.123 | 315 | 1934 | .369 | .175 | 1.138 | -.257 | 330 | 216 | -.649 | .151 | -.053 | -1.351 |
| 315 | 1241 | .371 | .164 | .886 | -.223 | 315 | 1935 | .364 | .152 | .847 | -.122 | 330 | 217 | -.774 | .127 | -.275 | -2.405 |
| 315 | 1242 | .361 | .158 | .865 | -.263 | 315 | 1936 | .365 | .165 | .965 | -.283 | 330 | 218 | -.669 | .126 | -.256 | -1.113 |
| 315 | 1243 | .361 | .162 | .865 | -.124 | 315 | 1937 | .384 | .153 | .913 | -.169 | 330 | 219 | -.717 | .140 | -.246 | -1.190 |
| 315 | 1244 | .381 | .159 | .951 | -.228 | 315 | 1939 | .359 | .171 | .907 | -.137 | 330 | 220 | -.645 | .128 | -.165 | -1.020 |
| 315 | 1245 | .373 | .154 | 1.030 | -.147 | 315 | 1941 | .345 | .181 | .917 | -.171 | 330 | 221 | -.650 | .134 | -.151 | -1.045 |
| 315 | 1248 | .395 | .180 | .976 | -.138 | 315 | 1942 | .355 | .168 | .827 | -.217 | 330 | 222 | -.635 | .129 | -.201 | -1.077 |
| 315 | 1249 | .368 | .180 | .958 | -.207 | 315 | 1943 | .337 | .152 | .877 | -.098 | 330 | 223 | -.649 | .119 | -.206 | -1.061 |
| 315 | 1250 | .362 | .173 | .926 | -.204 | 315 | 1944 | .349 | .171 | .977 | -.193 | 330 | 224 | -.669 | .144 | -.224 | -1.132 |
| 315 | 1251 | .371 | .156 | .995 | -.116 | 315 | 1945 | .370 | .173 | .899 | -.104 | 330 | 225 | -.706 | .142 | -.289 | -1.398 |
| 315 | 1252 | .366 | .166 | .997 | -.195 | 315 | 1946 | .368 | .166 | 1.097 | -.171 | 330 | 226 | -.681 | .147 | -.211 | -1.170 |
| 315 | 1253 | .358 | .167 | .947 | -.163 | 330 | 101 | -.919 | .285 | 1.217 | -2.103 | 330 | 227 | -.713 | .149 | -.181 | -1.285 |
| 315 | 1254 | .374 | .152 | .893 | -.174 | 330 | 102 | -.749 | .352 | .315 | -2.236 | 330 | 228 | -.742 | .159 | -.186 | -1.336 |
| 315 | 1257 | .412 | .175 | 1.051 | -.131 | 330 | 103 | -.327 | .197 | .368 | -1.327 | 330 | 229 | -.664 | .128 | -.233 | -1.073 |
| 315 | 1258 | .402 | .164 | .963 | -.066 | 330 | 104 | -.328 | .145 | .194 | -1.636 | 330 | 230 | -.640 | .141 | -.173 | -1.089 |
| 315 | 1259 | .359 | .164 | .977 | -.175 | 330 | 105 | -.380 | .146 | .086 | -1.449 | 330 | 231 | -.663 | .136 | -.199 | -1.114 |
| 315 | 1260 | .338 | .161 | .845 | -.107 | 330 | 106 | -.480 | .242 | .588 | -1.372 | 330 | 232 | -.676 | .142 | -.093 | -1.135 |
| 315 | 1261 | .347 | .156 | .896 | -.165 | 330 | 107 | -.498 | .312 | .592 | -1.791 | 330 | 233 | -.690 | .129 | -.263 | -1.079 |
| 315 | 1262 | .352 | .157 | .895 | -.177 | 330 | 108 | -.081 | .281 | .657 | -1.264 | 330 | 234 | -.689 | .132 | -.270 | -1.114 |
| 315 | 1263 | .367 | .160 | .838 | -.147 | 330 | 109 | -.049 | .183 | .429 | -.942 | 330 | 235 | -.679 | .155 | -.127 | -1.165 |
| 315 | 1266 | .405 | .182 | 1.023 | -.299 | 330 | 110 | -.661 | .165 | .664 | -.779 | 330 | 236 | -.742 | .158 | -.185 | -1.322 |
| 315 | 1267 | .383 | .153 | .940 | -.064 | 330 | 111 | -.351 | .319 | .456 | -.540 | 330 | 237 | -.758 | .159 | -.202 | -1.614 |
| 315 | 1268 | .371 | .160 | .884 | -.160 | 330 | 112 | -.150 | .312 | .539 | -.391 | 330 | 238 | -.640 | .140 | -.191 | -1.129 |
| 315 | 1269 | .351 | .168 | .912 | -.267 | 330 | 113 | -.071 | .220 | .499 | -.820 | 330 | 239 | -.633 | .142 | -.222 | -1.124 |
| 315 | 1270 | .350 | .168 | .930 | -.209 | 330 | 114 | -.095 | .217 | .558 | -.1223 | 330 | 240 | -.628 | .139 | -.095 | -1.080 |
| 315 | 1271 | .382 | .164 | .914 | -.123 | 330 | 115 | -.413 | .232 | .327 | -.559 | 330 | 241 | -.665 | .128 | -.171 | -1.105 |
| 315 | 1272 | .368 | .162 | .970 | -.151 | 330 | 116 | -.230 | .272 | .623 | -.1229 | 330 | 242 | -.669 | .121 | -.261 | -1.153 |
| 315 | 1303 | .370 | .166 | .851 | -.114 | 330 | 120 | -.333 | .212 | .395 | -.1150 | 330 | 243 | -.695 | .127 | -.278 | -1.137 |
| 315 | 1305 | .356 | .178 | .859 | -.137 | 330 | 121 | -.257 | .268 | .477 | -.1448 | 330 | 244 | -.706 | .132 | -.250 | -1.110 |

| WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN |
|-----|-----|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|-----|------|--------|-------|-------|--------|
| 330 | 245 | 804 | 187 | 229 | -1.416 | 330 | 503 | 543 | 239 | 209 | -1.910 | 330 | 944 | 528 | 213 | 207 | -1.444 |
| 330 | 246 | 798 | 162 | 351 | -1.311 | 330 | 504 | 844 | 328 | 651 | -2.294 | 330 | 945 | 558 | 207 | 209 | -1.563 |
| 330 | 247 | 615 | 143 | 051 | -1.185 | 330 | 505 | 566 | 179 | 076 | -1.155 | 330 | 946 | 553 | 187 | 101 | -1.210 |
| 330 | 248 | 649 | 135 | 229 | -1.079 | 330 | 506 | 452 | 221 | 429 | -1.472 | 330 | 1107 | 133 | 229 | 527 | -1.867 |
| 330 | 249 | 648 | 145 | 130 | -1.093 | 330 | 507 | 551 | 233 | 130 | -1.433 | 330 | 1108 | 137 | 211 | 492 | -1.747 |
| 330 | 250 | 668 | 136 | 188 | -1.119 | 330 | 508 | 691 | 319 | 229 | -1.511 | 330 | 1109 | 159 | 211 | 446 | -1.832 |
| 330 | 251 | 678 | 129 | 307 | -1.098 | 330 | 509 | 940 | 361 | 684 | -2.240 | 330 | 1110 | 126 | 214 | 618 | -1.729 |
| 330 | 252 | 671 | 135 | 222 | -1.220 | 330 | 901 | 912 | 355 | 661 | -2.080 | 330 | 1111 | 135 | 192 | 430 | -1.780 |
| 330 | 253 | 650 | 166 | 112 | -1.236 | 330 | 902 | 405 | 220 | 392 | -2.055 | 330 | 1116 | 107 | 215 | 558 | -1.834 |
| 330 | 254 | 760 | 208 | 121 | -1.674 | 330 | 903 | 383 | 280 | 582 | -3.034 | 330 | 1121 | 141 | 213 | 413 | -1.753 |
| 330 | 255 | 861 | 269 | 195 | -2.000 | 330 | 904 | 043 | 195 | 480 | -1.615 | 330 | 1126 | 131 | 216 | 542 | -1.766 |
| 330 | 256 | 618 | 148 | 147 | -1.139 | 330 | 905 | 916 | 185 | 285 | -1.555 | 330 | 1136 | 126 | 235 | 633 | -1.824 |
| 330 | 257 | 628 | 125 | 215 | -1.071 | 330 | 906 | 833 | 196 | 217 | -1.748 | 330 | 1221 | 070 | 226 | 581 | -1.932 |
| 330 | 258 | 683 | 143 | 174 | -1.144 | 330 | 907 | 950 | 253 | 001 | -2.520 | 330 | 1222 | 098 | 211 | 525 | -1.879 |
| 330 | 259 | 679 | 132 | 268 | -1.117 | 330 | 908 | 728 | 382 | 300 | -3.159 | 330 | 1223 | 075 | 192 | 493 | -1.823 |
| 330 | 260 | 687 | 133 | 291 | -1.121 | 330 | 909 | 203 | 300 | 960 | -2.717 | 330 | 1224 | 144 | 202 | 408 | -1.741 |
| 330 | 261 | 678 | 134 | 243 | -1.163 | 330 | 910 | 003 | 501 | 536 | -4.283 | 330 | 1225 | 101 | 206 | 509 | -1.858 |
| 330 | 262 | 701 | 157 | 116 | -1.343 | 330 | 911 | 588 | 251 | 470 | -2.456 | 330 | 1226 | 092 | 187 | 478 | -1.708 |
| 330 | 263 | 795 | 199 | 217 | -2.023 | 330 | 912 | 437 | 236 | 692 | -2.348 | 330 | 1227 | 116 | 232 | 502 | -1.694 |
| 330 | 264 | 810 | 209 | 230 | -1.849 | 330 | 913 | 088 | 176 | 520 | -1.952 | 330 | 1230 | 008 | 252 | 716 | -1.886 |
| 330 | 265 | 666 | 147 | 156 | -1.195 | 330 | 914 | 059 | 176 | 447 | -1.653 | 330 | 1231 | 007 | 200 | 588 | -1.633 |
| 330 | 266 | 640 | 135 | 118 | -1.094 | 330 | 915 | 905 | 176 | 388 | -2.084 | 330 | 1232 | 101 | 201 | 472 | -1.724 |
| 330 | 267 | 611 | 147 | 059 | -1.094 | 330 | 916 | 801 | 182 | 370 | -1.716 | 330 | 1233 | 130 | 195 | 471 | -1.863 |
| 330 | 268 | 668 | 145 | 120 | -1.188 | 330 | 917 | 990 | 207 | 115 | -2.715 | 330 | 1234 | 104 | 198 | 427 | -1.853 |
| 330 | 269 | 683 | 141 | 197 | -1.200 | 330 | 918 | 218 | 506 | 529 | -3.235 | 330 | 1235 | 109 | 217 | 467 | -1.841 |
| 330 | 270 | 698 | 131 | 120 | -1.121 | 330 | 919 | 250 | 272 | 1.200 | -1.036 | 330 | 1236 | 122 | 202 | 563 | -1.710 |
| 330 | 271 | 722 | 158 | 204 | -1.322 | 330 | 920 | 486 | 322 | 565 | -2.962 | 330 | 1239 | 039 | 261 | 875 | -1.935 |
| 330 | 272 | 797 | 166 | 280 | -1.418 | 330 | 921 | 532 | 246 | 222 | -1.839 | 330 | 1240 | 089 | 213 | 698 | -1.748 |
| 330 | 273 | 781 | 159 | 317 | -1.460 | 330 | 922 | 743 | 172 | 202 | -1.565 | 330 | 1241 | 129 | 225 | 637 | -1.159 |
| 330 | 301 | 204 | 286 | 246 | -1.778 | 330 | 923 | 042 | 192 | 462 | -1.728 | 330 | 1242 | 146 | 185 | 457 | -1.722 |
| 330 | 302 | 217 | 264 | 064 | -1.243 | 330 | 924 | 999 | 195 | 372 | -1.709 | 330 | 1243 | 119 | 200 | 452 | -1.797 |
| 330 | 303 | 275 | 187 | 974 | -1.403 | 330 | 925 | 978 | 199 | 307 | -1.981 | 330 | 1244 | 118 | 201 | 509 | -1.785 |
| 330 | 304 | 254 | 198 | 911 | -1.303 | 330 | 926 | 880 | 208 | 110 | -1.881 | 330 | 1245 | 095 | 211 | 436 | -1.776 |
| 330 | 305 | 230 | 159 | 738 | -1.303 | 330 | 927 | 903 | 265 | 410 | -2.255 | 330 | 1248 | 041 | 248 | 1.128 | -1.813 |
| 330 | 306 | 214 | 156 | 674 | -1.295 | 330 | 928 | 615 | 316 | 462 | -2.102 | 330 | 1249 | 105 | 199 | 502 | -1.765 |
| 330 | 307 | 207 | 160 | 724 | -1.303 | 330 | 929 | 220 | 276 | 293 | -2.387 | 330 | 1250 | 110 | 211 | 490 | -1.953 |
| 330 | 308 | 176 | 143 | 653 | -1.233 | 330 | 930 | 174 | 475 | 031 | -2.686 | 330 | 1251 | 132 | 198 | 434 | -1.797 |
| 330 | 309 | 198 | 165 | 690 | -1.401 | 330 | 931 | 539 | 171 | 024 | -1.240 | 330 | 1252 | 126 | 177 | 408 | -1.772 |
| 330 | 310 | 172 | 150 | 695 | -1.267 | 330 | 932 | 796 | 221 | 079 | -1.567 | 330 | 1253 | 078 | 188 | 464 | -1.680 |
| 330 | 311 | 196 | 150 | 667 | -1.303 | 330 | 933 | 659 | 208 | 667 | -1.379 | 330 | 1254 | 118 | 203 | 525 | -1.745 |
| 330 | 312 | 196 | 152 | 725 | -1.303 | 330 | 934 | 752 | 222 | 032 | -1.630 | 330 | 1257 | 039 | 211 | 700 | -1.806 |
| 330 | 313 | 228 | 156 | 711 | -1.309 | 330 | 935 | 669 | 226 | 205 | -1.649 | 330 | 1258 | 104 | 210 | 516 | -1.718 |
| 330 | 314 | 321 | 150 | 741 | -1.289 | 330 | 936 | 617 | 223 | 462 | -1.787 | 330 | 1259 | 138 | 223 | 651 | -1.862 |
| 330 | 401 | 196 | 196 | 215 | -1.951 | 330 | 937 | 462 | 218 | 285 | -1.314 | 330 | 1260 | 135 | 206 | 544 | -1.785 |
| 330 | 402 | 086 | 208 | 435 | -1.926 | 330 | 938 | 132 | 233 | 271 | -1.877 | 330 | 1261 | 111 | 189 | 527 | -1.814 |
| 330 | 403 | 070 | 199 | 401 | -1.814 | 330 | 939 | 351 | 341 | 179 | -2.658 | 330 | 1262 | 139 | 217 | 455 | -1.888 |
| 330 | 404 | 826 | 213 | 221 | -2.092 | 330 | 940 | 614 | 255 | 022 | -2.704 | 330 | 1263 | 093 | 192 | 511 | -1.825 |
| 330 | 405 | 649 | 184 | 080 | -1.540 | 330 | 941 | 754 | 166 | 240 | -1.559 | 330 | 1266 | 095 | 242 | 899 | -1.717 |
| 330 | 501 | 463 | 195 | 404 | -1.416 | 330 | 942 | 496 | 172 | 076 | -1.206 | 330 | 1267 | 045 | 223 | 665 | -1.951 |
| 330 | 502 | 493 | 209 | 132 | -1.217 | 330 | 943 | 538 | 210 | 155 | -1.308 | 330 | 1268 | 115 | 212 | 520 | -1.804 |

| MD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | MD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | MD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN |
|------|------|---------|-------|-------|---------|-----|-----|--------|-------|-------|---------|-----|-----|---------|-------|-------|---------|
| 3330 | 1269 | - .157 | .203 | .401 | - .774 | 345 | 113 | - .902 | .243 | .018 | -1 .661 | 345 | 239 | - .533 | .160 | .025 | -1 .181 |
| 3330 | 1270 | - .126 | .202 | .483 | - .841 | 345 | 114 | - .748 | .273 | .411 | -1 .657 | 345 | 240 | - .547 | .152 | .018 | -1 .061 |
| 3330 | 1271 | - .130 | .190 | .476 | - .739 | 345 | 115 | - .855 | .202 | .262 | -1 .474 | 345 | 241 | - .553 | .126 | .174 | -1 .113 |
| 3330 | 1272 | - .153 | .202 | .438 | - .944 | 345 | 116 | - .860 | .200 | .149 | -1 .432 | 345 | 242 | - .579 | .144 | .014 | -1 .046 |
| 3330 | 1303 | - .106 | .222 | .529 | - .942 | 345 | 120 | - .864 | .190 | .123 | -1 .476 | 345 | 243 | - .597 | .142 | .066 | -1 .141 |
| 3330 | 1305 | - .129 | .235 | .562 | - .842 | 345 | 121 | - .873 | .190 | .079 | -1 .473 | 345 | 244 | - .582 | .133 | .093 | -1 .147 |
| 3330 | 1307 | - .119 | .232 | .556 | - .787 | 345 | 123 | - .862 | .197 | .073 | -1 .820 | 345 | 245 | - .641 | .187 | .074 | -1 .387 |
| 3330 | 1309 | - .124 | .187 | .473 | - .772 | 345 | 126 | - .916 | .203 | .179 | -1 .603 | 345 | 246 | - .668 | .179 | .144 | -1 .296 |
| 3330 | 1311 | - .076 | .207 | .573 | - .770 | 345 | 130 | - .867 | .220 | .083 | -2 .901 | 345 | 247 | - .532 | .153 | .068 | -1 .371 |
| 3330 | 1313 | - .132 | .219 | .539 | - .809 | 345 | 131 | - .843 | .237 | .137 | -1 .513 | 345 | 248 | - .553 | .157 | .034 | -1 .199 |
| 3330 | 1911 | - .030 | .199 | .473 | - .766 | 345 | 135 | - .808 | .221 | .057 | -1 .673 | 345 | 249 | - .565 | .145 | .050 | -1 .150 |
| 3330 | 1913 | - .126 | .196 | .508 | - .782 | 345 | 136 | - .851 | .223 | .234 | -1 .660 | 345 | 250 | - .551 | .136 | .012 | -1 .093 |
| 3330 | 1914 | - .088 | .220 | .682 | - .813 | 345 | 201 | - .516 | .146 | .023 | -1 .032 | 345 | 251 | - .582 | .150 | .109 | -1 .041 |
| 3330 | 1915 | - .116 | .204 | .581 | - .824 | 345 | 202 | - .535 | .132 | .032 | -1 .958 | 345 | 252 | - .577 | .146 | .029 | -1 .023 |
| 3330 | 1916 | - .108 | .200 | .409 | - .983 | 345 | 203 | - .541 | .142 | .084 | -1 .070 | 345 | 253 | - .546 | .155 | .065 | -1 .036 |
| 3330 | 1917 | - .104 | .208 | .529 | - .731 | 345 | 204 | - .676 | .160 | .162 | -1 .345 | 345 | 254 | - .580 | .189 | .020 | -1 .319 |
| 3330 | 1918 | - .094 | .198 | .546 | - .695 | 345 | 205 | - .594 | .139 | .050 | -1 .086 | 345 | 255 | - .763 | .299 | .002 | -1 .829 |
| 3330 | 1921 | - .134 | .230 | .502 | - .002 | 345 | 206 | - .593 | .139 | .005 | -1 .986 | 345 | 256 | - .517 | .139 | .092 | -1 .020 |
| 3330 | 1923 | - .115 | .222 | .504 | - .799 | 345 | 207 | - .635 | .168 | .116 | -1 .296 | 345 | 257 | - .497 | .151 | .009 | -1 .000 |
| 3330 | 1924 | - .089 | .200 | .486 | - .818 | 345 | 208 | - .606 | .148 | .068 | -1 .143 | 345 | 258 | - .526 | .159 | .018 | -1 .012 |
| 3330 | 1925 | - .101 | .211 | .484 | - .770 | 345 | 209 | - .603 | .138 | .108 | -1 .128 | 345 | 259 | - .596 | .157 | .004 | -1 .114 |
| 3330 | 1926 | - .109 | .197 | .463 | - .933 | 345 | 210 | - .559 | .150 | .002 | -1 .143 | 345 | 260 | - .551 | .141 | .091 | -1 .111 |
| 3330 | 1927 | - .146 | .213 | .593 | - .613 | 345 | 211 | - .517 | .143 | .064 | -1 .022 | 345 | 261 | - .529 | .151 | .066 | -1 .055 |
| 3330 | 1928 | - .091 | .201 | .517 | - .912 | 345 | 212 | - .542 | .133 | .137 | -1 .004 | 345 | 262 | - .529 | .163 | .201 | -1 .283 |
| 3330 | 1930 | - .115 | .232 | .504 | - .847 | 345 | 213 | - .577 | .152 | .023 | -1 .063 | 345 | 263 | - .576 | .182 | .088 | -1 .229 |
| 3330 | 1932 | - .120 | .214 | .573 | - .776 | 345 | 214 | - .593 | .140 | .034 | -1 .233 | 345 | 264 | - .604 | .185 | .037 | -1 .429 |
| 3330 | 1933 | - .100 | .224 | .488 | - .772 | 345 | 215 | - .554 | .159 | .012 | -1 .457 | 345 | 265 | - .493 | .169 | .039 | -1 .189 |
| 3330 | 1934 | - .143 | .215 | .463 | - .820 | 345 | 216 | - .550 | .150 | .018 | -1 .305 | 345 | 266 | - .490 | .164 | .066 | -1 .147 |
| 3330 | 1935 | - .075 | .203 | .488 | - .670 | 345 | 217 | - .568 | .163 | .151 | -1 .933 | 345 | 267 | - .496 | .158 | .016 | -1 .096 |
| 3330 | 1936 | - .108 | .186 | .442 | - .695 | 345 | 218 | - .579 | .137 | .092 | -1 .088 | 345 | 268 | - .585 | .148 | .075 | -1 .131 |
| 3330 | 1937 | - .063 | .206 | .519 | - .774 | 345 | 219 | - .615 | .151 | .071 | -1 .123 | 345 | 269 | - .572 | .149 | .122 | -1 .039 |
| 3330 | 1939 | - .116 | .235 | .492 | - .884 | 345 | 220 | - .534 | .128 | .053 | -1 .082 | 345 | 270 | - .577 | .141 | .106 | -1 .165 |
| 3330 | 1941 | - .122 | .222 | .554 | - .876 | 345 | 221 | - .527 | .140 | .091 | -1 .976 | 345 | 271 | - .530 | .168 | .002 | -1 .079 |
| 3330 | 1942 | - .118 | .197 | .484 | - .836 | 345 | 222 | - .558 | .130 | .122 | -1 .007 | 345 | 272 | - .626 | .163 | .147 | -1 .215 |
| 3330 | 1943 | - .143 | .242 | .533 | - .923 | 345 | 223 | - .546 | .135 | .143 | -1 .082 | 345 | 273 | - .645 | .183 | .075 | -1 .232 |
| 3330 | 1944 | - .139 | .230 | .479 | - .907 | 345 | 224 | - .515 | .138 | .083 | -1 .052 | 345 | 301 | - .555 | .219 | .205 | -1 .338 |
| 3330 | 1945 | - .124 | .235 | .614 | - .847 | 345 | 225 | - .577 | .144 | .016 | -1 .064 | 345 | 302 | - .416 | .206 | .152 | -1 .338 |
| 3330 | 1946 | - .113 | .203 | .639 | - .729 | 345 | 226 | - .583 | .132 | .151 | -1 .991 | 345 | 303 | - .520 | .184 | .115 | -1 .234 |
| 3330 | 101 | -1 .176 | .240 | - | -2 .597 | 345 | 227 | - | .138 | .169 | -1 .030 | 345 | 304 | - .482 | .202 | .114 | -1 .227 |
| 3330 | 102 | -1 .199 | .220 | - | -2 .098 | 345 | 228 | - | .153 | .132 | -1 .333 | 345 | 305 | - .491 | .172 | 1.046 | .034 |
| 3330 | 103 | - | .087 | - | -2 .153 | 345 | 229 | - | .153 | .108 | -1 .169 | 345 | 306 | - .494 | .180 | 1.034 | .096 |
| 3330 | 104 | - | .526 | - | -1 .381 | 345 | 230 | - | .153 | .934 | -1 .091 | 345 | 307 | - .449 | .174 | 1.072 | .179 |
| 3330 | 105 | - | .437 | - | -1 .679 | 345 | 231 | - | .146 | .029 | -1 .123 | 345 | 308 | - .416 | .163 | .974 | .080 |
| 3330 | 106 | -1 .047 | .188 | - | -1 .603 | 345 | 232 | - | .144 | .126 | -1 .113 | 345 | 309 | - .391 | .183 | .946 | .173 |
| 3330 | 107 | -1 .082 | .226 | - | -1 .939 | 345 | 233 | - | .139 | .122 | -1 .027 | 345 | 310 | - .370 | .167 | 1.043 | .238 |
| 3330 | 108 | -1 .011 | .293 | - | -1 .990 | 345 | 234 | - | .134 | .142 | -1 .030 | 345 | 311 | - .433 | .160 | .944 | .089 |
| 3330 | 109 | - | .315 | - | -1 .805 | 345 | 235 | - | .149 | .131 | -1 .114 | 345 | 312 | - .411 | .162 | .926 | .286 |
| 3330 | 110 | - | .524 | - | -1 .389 | 345 | 236 | - | .130 | .183 | -1 .243 | 345 | 313 | - .402 | .174 | 1.050 | .173 |
| 3330 | 111 | -1 .084 | .240 | - | -1 .913 | 345 | 237 | - | .154 | .126 | -1 .324 | 345 | 314 | - .458 | .171 | 1.018 | .190 |
| 3330 | 112 | -1 .050 | .266 | - | -2 .429 | 345 | 238 | - | .167 | .020 | -1 .583 | 345 | 401 | -1 .323 | .236 | .145 | -2 .094 |

| WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN |
|-----|-----|--------|-------|-------|--------|-----|------|--------|-------|-------|--------|-----|------|--------|-------|-------|--------|
| 345 | 402 | -1.030 | .227 | -.363 | -1.837 | 345 | 936 | -.909 | .255 | -.118 | -1.913 | 345 | 1257 | -.689 | .237 | -.174 | -1.540 |
| 345 | 403 | -1.119 | .199 | -.397 | -1.861 | 345 | 937 | -.908 | .265 | -.079 | -2.062 | 345 | 1258 | -.694 | .204 | -.031 | -1.380 |
| 345 | 404 | -1.046 | .226 | -.353 | -1.832 | 345 | 938 | -.700 | .276 | -.117 | -1.921 | 345 | 1259 | -.791 | .204 | -.063 | -1.432 |
| 345 | 405 | -.908 | .234 | -.085 | -2.149 | 345 | 939 | -.641 | .248 | -.137 | -2.000 | 345 | 1260 | -.738 | .183 | -.232 | -1.471 |
| 345 | 501 | -.771 | .224 | -.099 | -1.840 | 345 | 940 | -.674 | .200 | -.040 | -1.465 | 345 | 1261 | -.715 | .195 | -.070 | -1.338 |
| 345 | 502 | -.978 | .277 | -.012 | -2.196 | 345 | 941 | -.880 | .238 | -.018 | -1.733 | 345 | 1262 | -.712 | .214 | -.103 | -1.559 |
| 345 | 503 | -1.100 | .307 | -.201 | -2.193 | 345 | 942 | -.755 | .221 | -.043 | -1.542 | 345 | 1263 | -.747 | .189 | -.085 | -1.412 |
| 345 | 504 | -1.177 | .294 | -.049 | -2.233 | 345 | 943 | -.751 | .193 | -.132 | -1.534 | 345 | 1264 | -.676 | .263 | -.249 | -1.726 |
| 345 | 505 | -.791 | .194 | -.018 | -1.548 | 345 | 944 | -.015 | .239 | -.107 | -2.033 | 345 | 1265 | -.678 | .220 | -.047 | -1.396 |
| 345 | 506 | -.802 | .271 | -.004 | -1.819 | 345 | 945 | -.947 | .285 | -.105 | -1.822 | 345 | 1266 | -.753 | .207 | -.124 | -1.428 |
| 345 | 507 | -1.028 | .286 | -.232 | -2.402 | 345 | 946 | -.763 | .185 | -.183 | -1.393 | 345 | 1267 | -.781 | .192 | -.187 | -1.414 |
| 345 | 508 | -1.432 | .330 | -.055 | -2.286 | 345 | 1147 | -.767 | .222 | -.206 | -1.432 | 345 | 1268 | -.757 | .201 | -.016 | -1.299 |
| 345 | 509 | -1.432 | .313 | -.321 | -2.286 | 345 | 1148 | -.781 | .202 | -.036 | -1.521 | 345 | 1269 | -.701 | .208 | -.073 | -1.396 |
| 345 | 901 | -1.396 | .253 | -.625 | -2.333 | 345 | 1149 | -.757 | .164 | -.111 | -1.293 | 345 | 1270 | -.774 | .187 | -.159 | -1.401 |
| 345 | 902 | -1.350 | .235 | -.589 | -2.392 | 345 | 1150 | -.736 | .167 | -.107 | -1.313 | 345 | 1271 | -.794 | .194 | -.064 | -1.378 |
| 345 | 903 | -1.308 | .271 | -.438 | -2.222 | 345 | 1151 | -.795 | .214 | -.044 | -1.366 | 345 | 1272 | -.779 | .192 | -.069 | -1.436 |
| 345 | 904 | -1.078 | .200 | -.427 | -1.697 | 345 | 1152 | -.776 | .191 | -.133 | -1.368 | 345 | 1273 | -.754 | .210 | -.044 | -1.376 |
| 345 | 905 | -1.049 | .166 | -.442 | -1.696 | 345 | 1153 | -.777 | .183 | -.060 | -1.335 | 345 | 1274 | -.706 | .201 | -.113 | -1.315 |
| 345 | 906 | -1.127 | .223 | -.347 | -1.979 | 345 | 1154 | -.816 | .167 | -.216 | -1.469 | 345 | 1275 | -.712 | .184 | -.173 | -1.200 |
| 345 | 907 | -1.626 | .447 | -.399 | -2.666 | 345 | 1155 | -.783 | .203 | -.232 | -1.480 | 345 | 1276 | -.679 | .200 | -.014 | -1.460 |
| 345 | 908 | -1.089 | .331 | -.238 | -1.866 | 345 | 1221 | -.731 | .212 | -.074 | -1.483 | 345 | 1277 | -.679 | .179 | -.123 | -1.313 |
| 345 | 909 | -.234 | .332 | -.933 | -2.213 | 345 | 1222 | -.798 | .213 | -.086 | -1.433 | 345 | 1278 | -.748 | .183 | -.107 | -1.307 |
| 345 | 910 | -1.378 | .246 | -.569 | -2.364 | 345 | 1223 | -.766 | .198 | -.030 | -1.424 | 345 | 1279 | -.682 | .169 | -.133 | -1.204 |
| 345 | 911 | -1.403 | .217 | -.725 | -2.366 | 345 | 1224 | -.693 | .204 | -.091 | -1.334 | 345 | 1280 | -.751 | .211 | -.156 | -1.561 |
| 345 | 912 | -1.338 | .229 | -.563 | -2.074 | 345 | 1225 | -.751 | .192 | -.184 | -1.525 | 345 | 1281 | -.737 | .211 | -.168 | -1.356 |
| 345 | 913 | -1.094 | .186 | -.474 | -1.717 | 345 | 1226 | -.766 | .190 | -.079 | -1.378 | 345 | 1282 | -.758 | .205 | -.133 | -1.356 |
| 345 | 914 | -1.049 | .181 | -.421 | -1.899 | 345 | 1227 | -.763 | .192 | -.111 | -1.346 | 345 | 1283 | -.757 | .198 | -.044 | -1.434 |
| 345 | 915 | -1.063 | .176 | -.531 | -1.713 | 345 | 1228 | -.771 | .254 | -.114 | -1.658 | 345 | 1284 | -.744 | .203 | -.002 | -1.430 |
| 345 | 916 | -1.217 | .268 | -.499 | -2.220 | 345 | 1231 | -.702 | .223 | -.056 | -1.440 | 345 | 1285 | -.744 | .204 | -.107 | -1.364 |
| 345 | 917 | -1.696 | .670 | -.523 | -3.550 | 345 | 1232 | -.793 | .216 | -.047 | -1.586 | 345 | 1286 | -.731 | .187 | -.135 | -1.281 |
| 345 | 918 | -1.639 | .541 | -.042 | -3.351 | 345 | 1233 | -.742 | .186 | -.008 | -1.341 | 345 | 1287 | -.705 | .195 | -.022 | -1.345 |
| 345 | 919 | -1.266 | .268 | -.140 | -1.657 | 345 | 1234 | -.769 | .180 | -.179 | -1.435 | 345 | 1288 | -.754 | .225 | -.115 | -1.368 |
| 345 | 920 | -1.069 | .280 | -.032 | -2.268 | 345 | 1235 | -.781 | .215 | -.085 | -1.393 | 345 | 1289 | -.783 | .204 | -.137 | -1.450 |
| 345 | 921 | -.967 | .235 | -.167 | -1.927 | 345 | 1236 | -.818 | .173 | -.255 | -1.361 | 345 | 1290 | -.742 | .214 | -.131 | -1.414 |
| 345 | 922 | -1.119 | .219 | -.367 | -1.869 | 345 | 1237 | -.744 | .213 | -.047 | -1.456 | 345 | 1291 | -.757 | .228 | -.089 | -1.466 |
| 345 | 923 | -1.091 | .200 | -.436 | -1.693 | 345 | 1240 | -.746 | .209 | -.125 | -1.362 | 345 | 1292 | -.763 | .191 | -.155 | -1.372 |
| 345 | 924 | -1.102 | .206 | -.452 | -1.882 | 345 | 1241 | -.753 | .185 | -.152 | -1.478 | 345 | 1293 | -.773 | .205 | -.113 | -1.347 |
| 345 | 925 | -1.073 | .184 | -.530 | -1.744 | 345 | 1242 | -.734 | .198 | -.161 | -1.364 | 345 | 1294 | -.768 | .197 | -.202 | -1.345 |
| 345 | 926 | -1.169 | .261 | -.285 | -2.184 | 345 | 1243 | -.759 | .183 | -.099 | -1.279 | 345 | 1295 | -.807 | .209 | -.125 | -1.432 |
| 345 | 927 | -1.036 | .353 | -.249 | -2.398 | 345 | 1244 | -.742 | .179 | -.054 | -1.331 | 345 | 1296 | -.739 | .220 | -.054 | -1.424 |
| 345 | 928 | -1.141 | .295 | -.058 | -2.447 | 345 | 1245 | -.770 | .205 | -.152 | -1.596 | 345 | 1297 | -.773 | .199 | -.014 | -1.390 |
| 345 | 929 | -.743 | .268 | -.131 | -2.620 | 345 | 1246 | -.764 | .231 | -.133 | -1.479 | 345 | 1298 | -.738 | .215 | -.103 | -1.519 |
| 345 | 930 | -.749 | .260 | -.026 | -2.216 | 345 | 1249 | -.744 | .204 | -.020 | -1.341 | 345 | 1299 | -.728 | .186 | -.177 | -1.295 |
| 345 | 931 | -.885 | .227 | -.016 | -1.766 | 345 | 1250 | -.733 | .201 | -.086 | -1.424 | 345 | 1300 | -.758 | .197 | -.155 | -1.414 |
| 345 | 932 | -1.063 | .234 | -.128 | -1.793 | 345 | 1251 | -.760 | .185 | -.006 | -1.410 | 345 | 1301 | -.731 | .182 | -.175 | -1.331 |
| 345 | 933 | -1.001 | .235 | -.197 | -1.719 | 345 | 1252 | -.756 | .179 | -.187 | -1.331 | 345 | 1302 | -.741 | .213 | -.038 | -1.327 |
| 345 | 934 | -.956 | .209 | -.254 | -1.833 | 345 | 1253 | -.755 | .183 | -.249 | -1.442 | 345 | 1303 | -.758 | .210 | -.006 | -1.440 |
| 345 | 935 | -1.010 | .260 | -.187 | -2.049 | 345 | 1254 | -.744 | .202 | -.119 | -1.370 | 345 | 1304 | -.749 | .177 | -.202 | -1.380 |

| WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN |
|----|-----|--------|-------|-------|--------|----|-----|--------|-------|-------|--------|----|-----|--------|-------|-------|--------|
| 0 | 101 | -1.134 | .258 | -.138 | -1.946 | 0 | 212 | .539 | .186 | -.043 | -1.111 | 0 | 262 | -.432 | .172 | -.204 | -1.054 |
| 0 | 102 | -1.143 | .258 | -.438 | -2.134 | 0 | 213 | -.551 | .169 | -.098 | -1.294 | 0 | 263 | -.438 | .169 | -.123 | -1.071 |
| 0 | 103 | -1.172 | .288 | -.364 | -2.622 | 0 | 214 | -.517 | .163 | -.039 | -1.105 | 0 | 264 | -.435 | .160 | -.111 | -1.093 |
| 0 | 104 | -1.101 | .293 | -.202 | -2.311 | 0 | 215 | -.550 | .282 | -.021 | -1.941 | 0 | 265 | -.570 | .213 | -.142 | -1.474 |
| 0 | 105 | -.949 | .314 | -.020 | -2.157 | 0 | 216 | -.557 | .156 | -.051 | -1.234 | 0 | 266 | -.592 | .190 | -.041 | -1.275 |
| 0 | 106 | -1.178 | .250 | -.502 | -1.937 | 0 | 217 | -.608 | .170 | -.015 | -1.265 | 0 | 267 | -.554 | .200 | -.090 | -1.331 |
| 0 | 107 | -1.106 | .258 | -.105 | -1.834 | 0 | 218 | -.589 | .164 | -.065 | -1.155 | 0 | 268 | -.545 | .173 | -.095 | -1.135 |
| 0 | 108 | -1.135 | .250 | -.458 | -2.009 | 0 | 219 | -.613 | .169 | -.054 | -1.105 | 0 | 269 | -.453 | .158 | -.105 | -.962 |
| 0 | 109 | -1.100 | .265 | -.152 | -2.022 | 0 | 220 | -.495 | .160 | -.079 | -1.217 | 0 | 270 | -.486 | .141 | -.017 | -1.021 |
| 0 | 110 | -.989 | .250 | -.187 | -1.817 | 0 | 221 | -.521 | .177 | -.056 | -1.155 | 0 | 271 | -.452 | .146 | -.022 | -.976 |
| 0 | 111 | -1.170 | .265 | -.421 | -2.095 | 0 | 222 | -.538 | .143 | -.104 | -1.017 | 0 | 272 | -.484 | .154 | -.095 | -1.087 |
| 0 | 112 | -1.110 | .232 | -.123 | -1.944 | 0 | 223 | -.519 | .152 | -.009 | -1.082 | 0 | 273 | -.461 | .152 | -.109 | -1.032 |
| 0 | 113 | -1.070 | .248 | -.231 | -2.151 | 0 | 224 | -.507 | .169 | -.154 | -1.024 | 0 | 301 | -.635 | .230 | -.290 | -1.056 |
| 0 | 114 | -1.036 | .268 | -.202 | -2.010 | 0 | 225 | -.547 | .141 | -.030 | -1.097 | 0 | 302 | -.635 | .230 | -.171 | -1.073 |
| 0 | 115 | -.929 | .232 | -.212 | -2.556 | 0 | 226 | -.566 | .160 | -.065 | -1.056 | 0 | 303 | -.667 | .234 | -.368 | -.005 |
| 0 | 116 | -1.048 | .244 | -.288 | -1.888 | 0 | 227 | -.557 | .145 | -.104 | -1.034 | 0 | 304 | -.649 | .212 | -.424 | -.036 |
| 0 | 117 | -1.920 | .204 | -.333 | -1.589 | 0 | 228 | -.588 | .148 | -.131 | -1.107 | 0 | 305 | -.686 | .202 | -.272 | -.114 |
| 0 | 118 | -1.004 | .247 | -.327 | -1.761 | 0 | 229 | -.625 | .219 | -.074 | -1.481 | 0 | 306 | -.655 | .191 | -.233 | -.113 |
| 0 | 119 | -.987 | .234 | -.280 | -2.157 | 0 | 230 | -.558 | .179 | -.017 | -1.183 | 0 | 307 | -.622 | .200 | -.265 | -.010 |
| 0 | 120 | -.839 | .199 | -.221 | -1.462 | 0 | 231 | -.554 | .159 | -.019 | -1.045 | 0 | 308 | -.584 | .166 | -.173 | -.076 |
| 0 | 121 | -.877 | .200 | -.075 | -1.625 | 0 | 232 | -.539 | .155 | -.016 | -1.065 | 0 | 309 | -.541 | .206 | -.207 | -.096 |
| 0 | 122 | -.886 | .209 | -.258 | -1.534 | 0 | 233 | -.537 | .158 | -.060 | -1.205 | 0 | 310 | -.533 | .200 | -.052 | -.160 |
| 0 | 123 | -.948 | .236 | -.309 | -1.814 | 0 | 234 | -.523 | .166 | -.033 | -1.041 | 0 | 311 | -.524 | .193 | -.158 | -.030 |
| 0 | 124 | -.976 | .252 | -.320 | -1.869 | 0 | 235 | -.529 | .151 | -.013 | -1.067 | 0 | 312 | -.566 | .192 | -.100 | -.076 |
| 0 | 125 | -.865 | .227 | -.195 | -1.620 | 0 | 236 | -.537 | .154 | -.069 | -1.087 | 0 | 313 | -.542 | .209 | -.199 | -.204 |
| 0 | 126 | -.869 | .220 | -.230 | -2.148 | 0 | 237 | -.576 | .158 | -.034 | -1.175 | 0 | 314 | -.601 | .193 | -.279 | -.054 |
| 0 | 127 | -.827 | .216 | -.166 | -1.736 | 0 | 238 | -.647 | .216 | -.036 | -1.356 | 0 | 401 | -.005 | .415 | -.494 | -.326 |
| 0 | 128 | -.884 | .249 | -.155 | -1.927 | 0 | 239 | -.609 | .196 | -.043 | -1.286 | 0 | 402 | -.794 | .247 | -.140 | -.724 |
| 0 | 129 | -.884 | .263 | -.135 | -2.192 | 0 | 240 | -.557 | .160 | -.084 | -1.107 | 0 | 403 | -.851 | .222 | -.142 | -.773 |
| 0 | 130 | -.962 | .259 | -.184 | -2.089 | 0 | 241 | -.552 | .162 | -.039 | -1.166 | 0 | 404 | -.770 | .317 | -.168 | -.965 |
| 0 | 131 | -.919 | .257 | -.275 | -2.228 | 0 | 242 | -.508 | .152 | -.038 | -1.054 | 0 | 405 | -.587 | .278 | -.551 | -.581 |
| 0 | 132 | -.840 | .237 | -.140 | -1.728 | 0 | 243 | -.536 | .159 | -.013 | -1.085 | 0 | 501 | -.916 | .253 | -.016 | -.198 |
| 0 | 133 | -.847 | .247 | -.095 | -2.237 | 0 | 244 | -.483 | .147 | -.060 | -1.122 | 0 | 502 | -.946 | .264 | -.059 | -.396 |
| 0 | 134 | -.847 | .254 | -.173 | -2.039 | 0 | 245 | -.506 | .158 | -.007 | -1.037 | 0 | 503 | -.923 | .287 | -.564 | -.206 |
| 0 | 135 | -.883 | .224 | -.120 | -1.899 | 0 | 246 | -.455 | .168 | -.004 | -1.071 | 0 | 504 | -.920 | .264 | -.084 | -.299 |
| 0 | 136 | -.877 | .232 | -.243 | -1.908 | 0 | 247 | -.450 | .227 | -.008 | -1.344 | 0 | 505 | -.857 | .236 | -.039 | -.658 |
| 0 | 137 | -.805 | .232 | -.248 | -1.840 | 0 | 248 | -.590 | .208 | -.103 | -1.063 | 0 | 506 | -.925 | .268 | -.118 | -.940 |
| 0 | 138 | -.821 | .259 | -.157 | -2.936 | 0 | 249 | -.559 | .168 | -.002 | -1.148 | 0 | 507 | -.938 | .263 | -.118 | -.991 |
| 0 | 139 | -.819 | .255 | -.340 | -2.000 | 0 | 250 | -.520 | .171 | -.010 | -1.126 | 0 | 508 | -.991 | .295 | -.035 | -.289 |
| 0 | 201 | -.529 | .198 | -.004 | -1.237 | 0 | 251 | -.469 | .178 | -.092 | -1.111 | 0 | 509 | -.919 | .264 | -.234 | -.358 |
| 0 | 202 | -.531 | .162 | -.032 | -1.258 | 0 | 252 | -.452 | .155 | -.021 | -1.010 | 0 | 901 | -.1229 | .275 | -.415 | -.362 |
| 0 | 203 | -.593 | .197 | -.041 | -1.316 | 0 | 253 | -.456 | .166 | -.012 | -1.095 | 0 | 902 | -.1325 | .337 | -.549 | -.104 |
| 0 | 204 | -.634 | .198 | -.036 | -1.809 | 0 | 254 | -.446 | .158 | -.160 | -1.137 | 0 | 903 | -.1128 | .339 | -.116 | -.447 |
| 0 | 205 | -.629 | .169 | -.102 | -1.250 | 0 | 255 | -.466 | .197 | -.050 | -1.505 | 0 | 904 | -.1020 | .218 | -.317 | -.662 |
| 0 | 206 | -.674 | .220 | -.074 | -1.818 | 0 | 256 | -.597 | .236 | -.155 | -1.408 | 0 | 905 | -.1168 | .235 | -.315 | -.272 |
| 0 | 207 | -.646 | .183 | -.106 | -1.490 | 0 | 257 | -.597 | .189 | -.076 | -1.342 | 0 | 906 | -.1719 | .615 | -.504 | -.401 |
| 0 | 208 | -.625 | .153 | -.091 | -1.289 | 0 | 258 | -.526 | .187 | -.044 | -1.297 | 0 | 907 | -.2207 | .532 | -.453 | -.401 |
| 0 | 209 | -.633 | .179 | -.006 | -1.225 | 0 | 259 | -.503 | .170 | -.004 | -1.131 | 0 | 908 | -.1043 | .337 | -.103 | -.181 |
| 0 | 210 | -.533 | .191 | -.242 | -1.580 | 0 | 260 | -.459 | .180 | -.119 | -1.117 | 0 | 909 | -.255 | .282 | -.878 | -.912 |
| 0 | 211 | -.515 | .171 | -.008 | -1.166 | 0 | 261 | -.432 | .169 | -.156 | -1.008 | 0 | 910 | -.1249 | .244 | -.532 | -.134 |

| WD | TAP | CPHEAN | CPRMS | CPHAX | CPMIN | WD | TAP | CPHEAN | CPRMS | CPHAX | CPMIN | WD | TAP | CPHEAN | CPRMS | CPHAX | CPMIN |
|----|-----|--------|-------|-------|--------|----|-----|--------|-------|-------|--------|----|-----|--------|-------|-------|--------|
| 0 | 911 | -1.264 | .288 | -.451 | -2.376 | 15 | 115 | -.705 | .201 | -.170 | -1.346 | 15 | 226 | -.610 | .153 | -.033 | -1.158 |
| 0 | 912 | -1.307 | .330 | -.470 | -2.820 | 15 | 116 | -.693 | .175 | -.114 | -1.300 | 15 | 227 | -.608 | .136 | -.100 | -1.138 |
| 0 | 913 | -1.029 | .252 | -.010 | -1.789 | 15 | 117 | -.617 | .158 | -.045 | -1.220 | 15 | 228 | -.605 | .144 | -.023 | -1.106 |
| 0 | 914 | -1.033 | .174 | -.363 | -1.744 | 15 | 118 | -.631 | .151 | -.081 | -1.198 | 15 | 229 | -.677 | .193 | -.129 | -1.720 |
| 0 | 915 | -1.270 | .229 | -.862 | -2.512 | 15 | 119 | -.658 | .197 | -.104 | -1.295 | 15 | 230 | -.594 | .167 | -.078 | -1.173 |
| 0 | 916 | -1.627 | .430 | -.320 | -3.988 | 15 | 120 | -.655 | .182 | -.066 | -1.204 | 15 | 231 | -.557 | .155 | -.036 | -1.077 |
| 0 | 917 | -2.657 | .673 | -.210 | -4.345 | 15 | 121 | -.662 | .168 | -.184 | -1.209 | 15 | 232 | -.573 | .130 | -.157 | -.991 |
| 0 | 918 | -1.195 | .513 | -.067 | -2.972 | 15 | 122 | -.623 | .196 | -.142 | -1.185 | 15 | 233 | -.598 | .143 | -.046 | -1.021 |
| 0 | 919 | -1.182 | .248 | -.065 | -1.168 | 15 | 123 | -.640 | .160 | -.144 | -1.233 | 15 | 234 | -.620 | .152 | -.119 | -1.104 |
| 0 | 920 | -1.033 | .234 | -.103 | -2.330 | 15 | 124 | -.666 | .162 | -.196 | -1.379 | 15 | 235 | -.621 | .156 | -.027 | -1.164 |
| 0 | 921 | -1.033 | .246 | -.229 | -2.415 | 15 | 125 | -.672 | .203 | -.081 | -1.312 | 15 | 236 | -.609 | .154 | -.108 | -1.106 |
| 0 | 922 | -1.145 | .248 | -.231 | -2.021 | 15 | 126 | -.710 | .182 | -.141 | -1.254 | 15 | 237 | -.610 | .142 | -.118 | -1.125 |
| 0 | 923 | -1.895 | .206 | -.066 | -1.690 | 15 | 127 | -.633 | .173 | -.037 | -1.222 | 15 | 238 | -.615 | .176 | -.032 | -1.425 |
| 0 | 924 | -1.103 | .225 | -.312 | -1.890 | 15 | 128 | -.654 | .184 | -.018 | -1.335 | 15 | 239 | -.540 | .159 | -.058 | -1.049 |
| 0 | 925 | -1.215 | .256 | -.342 | -2.099 | 15 | 129 | -.672 | .186 | -.005 | -1.454 | 15 | 240 | -.526 | .153 | -.136 | -.974 |
| 0 | 926 | -1.136 | .376 | -.050 | -3.065 | 15 | 130 | -.654 | .181 | -.039 | -1.249 | 15 | 241 | -.545 | .142 | -.020 | -.993 |
| 0 | 927 | -1.739 | .304 | -.489 | -2.800 | 15 | 131 | -.710 | .173 | -.216 | -1.359 | 15 | 242 | -.530 | .146 | -.070 | -1.081 |
| 0 | 928 | -1.951 | .278 | -.232 | -2.637 | 15 | 132 | -.623 | .171 | -.090 | -1.328 | 15 | 243 | -.556 | .141 | -.003 | -1.012 |
| 0 | 929 | -1.008 | .267 | -.053 | -2.571 | 15 | 133 | -.637 | .179 | -.108 | -1.510 | 15 | 244 | -.604 | .137 | -.113 | -1.068 |
| 0 | 930 | -1.985 | .266 | -.090 | -4.007 | 15 | 134 | -.654 | .193 | -.103 | -1.738 | 15 | 245 | -.571 | .144 | -.035 | -1.019 |
| 0 | 931 | -1.028 | .227 | -.325 | -1.925 | 15 | 135 | -.664 | .185 | -.038 | -1.344 | 15 | 246 | -.538 | .149 | -.019 | -1.043 |
| 0 | 932 | -1.759 | .271 | -.422 | -1.643 | 15 | 136 | -.723 | .208 | -.109 | -1.472 | 15 | 247 | -.611 | .191 | -.029 | -1.313 |
| 0 | 933 | -1.009 | .237 | -.137 | -2.192 | 15 | 137 | -.636 | .177 | -.035 | -1.306 | 15 | 248 | -.526 | .158 | -.001 | -1.104 |
| 0 | 934 | -1.025 | .290 | -.217 | -2.069 | 15 | 138 | -.654 | .184 | -.061 | -1.318 | 15 | 249 | -.475 | .147 | -.035 | -.978 |
| 0 | 935 | -1.738 | .266 | -.082 | -2.060 | 15 | 139 | -.681 | .190 | -.033 | -1.325 | 15 | 250 | -.505 | .143 | -.029 | -.972 |
| 0 | 936 | -1.947 | .317 | -.077 | -2.925 | 15 | 201 | -.620 | .174 | -.060 | -1.613 | 15 | 251 | -.498 | .153 | -.037 | -1.025 |
| 0 | 937 | -1.946 | .276 | -.066 | -2.252 | 15 | 202 | -.611 | .179 | -.098 | -1.468 | 15 | 252 | -.555 | .167 | -.014 | -1.192 |
| 0 | 938 | -1.881 | .310 | -.063 | -2.381 | 15 | 203 | -.705 | .215 | -.152 | -1.622 | 15 | 253 | -.534 | .154 | -.006 | -1.104 |
| 0 | 939 | -1.884 | .290 | -.020 | -2.241 | 15 | 204 | -.656 | .180 | -.131 | -1.295 | 15 | 254 | -.522 | .151 | -.078 | -1.070 |
| 0 | 940 | -1.977 | .290 | -.127 | -3.739 | 15 | 205 | -.615 | .153 | -.011 | -1.168 | 15 | 255 | -.513 | .153 | -.003 | -.993 |
| 0 | 941 | -1.614 | .279 | -.323 | -1.796 | 15 | 206 | -.654 | .156 | -.139 | -1.199 | 15 | 256 | -.553 | .168 | -.081 | -1.220 |
| 0 | 942 | -1.838 | .219 | -.015 | -1.632 | 15 | 207 | -.695 | .161 | -.193 | -1.207 | 15 | 257 | -.482 | .154 | -.084 | -1.042 |
| 0 | 943 | -1.929 | .256 | -.170 | -2.019 | 15 | 208 | -.664 | .153 | -.206 | -1.149 | 15 | 258 | -.461 | .153 | -.054 | -1.057 |
| 0 | 944 | -1.028 | .387 | -.011 | -2.998 | 15 | 209 | -.621 | .160 | -.114 | -1.242 | 15 | 259 | -.462 | .158 | -.242 | -1.004 |
| 0 | 945 | -1.904 | .284 | -.028 | -2.342 | 15 | 210 | -.636 | .165 | -.040 | -1.218 | 15 | 260 | -.482 | .157 | -.215 | -1.004 |
| 1 | 101 | -1.718 | .189 | -.066 | -1.533 | 15 | 211 | -.623 | .162 | -.113 | -1.293 | 15 | 261 | -.497 | .165 | -.022 | -1.087 |
| 1 | 102 | -1.713 | .166 | -.077 | -1.314 | 15 | 212 | -.585 | .163 | -.075 | -1.164 | 15 | 262 | -.523 | .143 | -.125 | -.993 |
| 1 | 103 | -1.753 | .205 | -.172 | -1.606 | 15 | 213 | -.567 | .178 | -.029 | -1.194 | 15 | 263 | -.516 | .147 | -.016 | -1.119 |
| 1 | 104 | -1.763 | .207 | -.172 | -1.488 | 15 | 214 | -.538 | .176 | -.024 | -1.350 | 15 | 264 | -.525 | .145 | -.042 | -1.032 |
| 1 | 105 | -1.821 | .216 | -.076 | -1.596 | 15 | 215 | -.575 | .164 | -.070 | -1.114 | 15 | 265 | -.605 | .185 | -.008 | -1.410 |
| 1 | 106 | -1.716 | .182 | -.174 | -1.348 | 15 | 216 | -.654 | .169 | -.066 | -1.263 | 15 | 266 | -.582 | .153 | -.144 | -1.177 |
| 1 | 107 | -1.692 | .181 | -.068 | -1.440 | 15 | 217 | -.663 | .151 | -.124 | -1.190 | 15 | 267 | -.464 | .147 | -.142 | -.972 |
| 1 | 108 | -1.688 | .163 | -.125 | -1.218 | 15 | 218 | -.615 | .146 | -.161 | -1.140 | 15 | 268 | -.498 | .163 | -.048 | -1.115 |
| 1 | 109 | -1.728 | .207 | -.118 | -1.463 | 15 | 219 | -.578 | .134 | -.044 | -1.048 | 15 | 269 | -.504 | .155 | -.058 | -1.262 |
| 1 | 110 | -1.733 | .200 | -.204 | -1.340 | 15 | 220 | -.587 | .148 | -.032 | -1.076 | 15 | 270 | -.525 | .166 | -.039 | -1.083 |
| 1 | 111 | -1.738 | .187 | -.188 | -1.379 | 15 | 221 | -.592 | .151 | -.027 | -1.094 | 15 | 271 | -.513 | .157 | -.065 | -1.010 |
| 1 | 112 | -1.708 | .170 | -.129 | -1.242 | 15 | 222 | -.569 | .163 | -.072 | -1.128 | 15 | 272 | -.524 | .159 | -.026 | -1.049 |
| 1 | 113 | -1.752 | .179 | -.177 | -1.310 | 15 | 223 | -.566 | .146 | -.066 | -1.151 | 15 | 273 | -.515 | .153 | -.115 | -.987 |
| 1 | 114 | -1.760 | .176 | -.210 | -1.479 | 15 | 224 | -.594 | .154 | -.053 | -1.151 | 15 | 301 | -.601 | .229 | -.478 | -.154 |
| 1 | | | | | | 15 | 225 | -.593 | .152 | -.029 | -1.076 | 15 | 302 | -.533 | .221 | -.273 | -.127 |

| WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN |
|----|-----|--------|-------|-------|--------|----|-----|--------|-------|-------|--------|----|-----|--------|-------|-------|--------|
| 15 | 303 | .731 | .217 | 1.343 | .066 | 15 | 925 | -1.126 | .264 | -.141 | -2.216 | 30 | 129 | -.621 | .147 | -.138 | -1.093 |
| 15 | 304 | .689 | .193 | 1.267 | .022 | 15 | 926 | -.868 | .345 | -.002 | -2.377 | 30 | 130 | -.376 | .175 | -.001 | -1.102 |
| 15 | 305 | .723 | .235 | 1.465 | .086 | 15 | 927 | -.757 | .254 | -.129 | -2.744 | 30 | 131 | -.607 | .177 | -.031 | -1.137 |
| 15 | 306 | .723 | .172 | 1.310 | .080 | 15 | 928 | -.920 | .199 | -.311 | -1.905 | 30 | 132 | -.604 | .149 | -.108 | -1.161 |
| 15 | 307 | .726 | .196 | 1.404 | .061 | 15 | 929 | -.844 | .215 | -.120 | -1.666 | 30 | 133 | -.614 | .153 | -.113 | -1.197 |
| 15 | 308 | .678 | .194 | 1.373 | .182 | 15 | 930 | -.822 | .209 | -.177 | -1.794 | 30 | 134 | -.628 | .151 | -.119 | -1.149 |
| 15 | 309 | .358 | .198 | 1.202 | .025 | 15 | 931 | -.815 | .249 | -.091 | -2.091 | 30 | 135 | -.595 | .170 | -.082 | -1.276 |
| 15 | 310 | .587 | .174 | 1.181 | .091 | 15 | 932 | -.618 | .237 | -.408 | -1.402 | 30 | 136 | -.600 | .160 | -.075 | -1.135 |
| 15 | 311 | .635 | .193 | 1.277 | .048 | 15 | 933 | -.901 | .251 | -.079 | -2.016 | 30 | 137 | -.595 | .156 | -.075 | -1.120 |
| 15 | 312 | .632 | .189 | 1.209 | .047 | 15 | 934 | -.721 | .254 | -.057 | -1.669 | 30 | 138 | -.612 | .153 | -.059 | -1.167 |
| 15 | 313 | .659 | .208 | 1.301 | .122 | 15 | 935 | -.784 | .256 | -.372 | -1.819 | 30 | 139 | -.633 | .154 | -.060 | -1.187 |
| 15 | 314 | .676 | .170 | 1.191 | .108 | 15 | 936 | -.923 | .226 | -.195 | -1.812 | 30 | 201 | -.686 | .180 | -.093 | -2.399 |
| 15 | 401 | .515 | .524 | 1.790 | -2.188 | 15 | 937 | -.857 | .210 | -.232 | -1.663 | 30 | 202 | -.644 | .167 | -.003 | -1.696 |
| 15 | 402 | .508 | .243 | 1.512 | -1.353 | 15 | 938 | -.840 | .240 | -.195 | -1.820 | 30 | 203 | -.685 | .191 | -.022 | -1.628 |
| 15 | 403 | .731 | .266 | 1.440 | -1.732 | 15 | 939 | -.789 | .212 | -.086 | -1.890 | 30 | 204 | -.775 | .164 | -.235 | -1.512 |
| 15 | 404 | .571 | .286 | 1.950 | -1.366 | 15 | 940 | -.839 | .228 | -.208 | -2.560 | 30 | 205 | -.752 | .149 | -.274 | -1.286 |
| 15 | 405 | .489 | .241 | 1.635 | -1.380 | 15 | 941 | -.489 | .222 | -.331 | -2.381 | 30 | 206 | -.810 | .167 | -.254 | -1.570 |
| 15 | 501 | .907 | .206 | 1.317 | -1.067 | 15 | 942 | -.822 | .239 | -.036 | -1.803 | 30 | 207 | -.811 | .154 | -.325 | -1.337 |
| 15 | 502 | .944 | .186 | 1.344 | -1.669 | 15 | 943 | -.930 | .304 | -.095 | -2.361 | 30 | 208 | -.766 | .142 | -.274 | -1.230 |
| 15 | 503 | .885 | .191 | 1.348 | -1.734 | 15 | 944 | -.018 | .351 | 1.066 | -2.645 | 30 | 209 | -.738 | .144 | -.244 | -1.280 |
| 15 | 504 | .862 | .193 | 1.256 | -1.989 | 15 | 945 | -.924 | .207 | -.290 | -2.096 | 30 | 210 | -.718 | .166 | -.168 | -1.428 |
| 15 | 505 | .951 | .200 | 1.378 | -1.820 | 15 | 946 | -.809 | .193 | -.302 | -1.640 | 30 | 211 | -.670 | .151 | -.119 | -1.213 |
| 15 | 506 | .927 | .178 | 1.296 | -1.522 | 15 | 101 | -.628 | .154 | -.170 | -1.157 | 30 | 212 | -.647 | .136 | -.254 | -1.131 |
| 15 | 507 | .912 | .181 | 1.192 | -1.642 | 30 | 102 | -.649 | .140 | -.223 | -1.170 | 30 | 213 | -.639 | .165 | -.171 | -1.462 |
| 15 | 508 | .898 | .191 | 1.335 | -1.998 | 30 | 103 | -.637 | .161 | -.177 | -1.164 | 30 | 214 | -.678 | .174 | -.177 | -1.520 |
| 15 | 509 | .947 | .201 | 1.193 | -2.019 | 30 | 104 | -.668 | .149 | -.113 | -1.124 | 30 | 215 | -.788 | .248 | -.205 | -2.173 |
| 15 | 901 | .006 | .234 | 1.192 | -1.924 | 30 | 105 | -.677 | .168 | -.190 | -1.322 | 30 | 216 | -.843 | .192 | -.291 | -1.524 |
| 15 | 902 | .880 | .218 | 1.258 | -1.958 | 30 | 106 | -.627 | .151 | -.089 | -1.120 | 30 | 217 | -.795 | .159 | -.267 | -1.366 |
| 15 | 903 | .857 | .337 | 1.153 | -2.019 | 30 | 107 | -.616 | .148 | -.173 | -1.159 | 30 | 218 | -.725 | .137 | -.272 | -1.271 |
| 15 | 904 | .887 | .185 | 1.125 | -1.782 | 30 | 108 | -.642 | .136 | -.135 | -1.122 | 30 | 219 | -.714 | .129 | -.254 | -1.176 |
| 15 | 905 | .999 | .250 | 1.267 | -2.118 | 30 | 109 | -.643 | .157 | -.168 | -1.135 | 30 | 220 | -.700 | .156 | -.186 | -1.251 |
| 15 | 906 | .085 | .782 | 1.418 | -4.657 | 30 | 110 | -.659 | .147 | -.148 | -1.091 | 30 | 221 | -.676 | .155 | -.157 | -1.214 |
| 15 | 907 | .093 | .344 | 1.023 | -3.947 | 30 | 111 | -.634 | .150 | -.206 | -1.168 | 30 | 222 | -.632 | .150 | -.057 | -1.221 |
| 15 | 908 | .230 | .355 | 1.101 | -2.479 | 30 | 112 | -.688 | .151 | -.192 | -1.166 | 30 | 223 | -.646 | .166 | -.196 | -1.172 |
| 15 | 909 | .000 | .252 | 1.889 | -.809 | 30 | 113 | -.681 | .146 | -.225 | -1.201 | 30 | 224 | -.724 | .175 | -.145 | -1.500 |
| 15 | 910 | .012 | .270 | 1.247 | -2.192 | 30 | 114 | -.683 | .168 | -.190 | -1.188 | 30 | 225 | -.769 | .164 | -.260 | -1.500 |
| 15 | 911 | .935 | .226 | 1.313 | -2.125 | 30 | 115 | -.608 | .150 | -.065 | -1.085 | 30 | 226 | -.752 | .150 | -.211 | -1.382 |
| 15 | 912 | .817 | .218 | 1.181 | -1.847 | 30 | 116 | -.614 | .154 | -.002 | -1.234 | 30 | 227 | -.725 | .134 | -.181 | -1.180 |
| 15 | 913 | .771 | .271 | 1.463 | -1.726 | 30 | 117 | -.591 | .138 | -.192 | -1.071 | 30 | 228 | -.708 | .134 | -.269 | -1.196 |
| 15 | 914 | .920 | .193 | 1.338 | -1.783 | 30 | 118 | -.617 | .144 | -.147 | -1.086 | 30 | 229 | -.697 | .158 | -.143 | -1.398 |
| 15 | 915 | .248 | .339 | 1.315 | -3.588 | 30 | 119 | -.654 | .159 | -.140 | -1.172 | 30 | 230 | -.687 | .140 | -.183 | -1.195 |
| 15 | 918 | .382 | .381 | 1.458 | -3.336 | 30 | 120 | -.592 | .147 | -.043 | -1.142 | 30 | 231 | -.671 | .144 | -.102 | -1.169 |
| 15 | 917 | .643 | .577 | 1.733 | -4.572 | 30 | 121 | -.620 | .144 | -.164 | -1.128 | 30 | 232 | -.702 | .143 | -.160 | -1.221 |
| 15 | 918 | .866 | .501 | 1.175 | -2.772 | 30 | 122 | -.609 | .132 | -.179 | -1.110 | 30 | 233 | -.701 | .140 | -.240 | -1.174 |
| 15 | 919 | .024 | .242 | 1.909 | -1.037 | 30 | 123 | -.627 | .134 | -.166 | -1.152 | 30 | 234 | -.714 | .134 | -.272 | -1.182 |
| 15 | 920 | .858 | .208 | 1.147 | -2.177 | 30 | 124 | -.645 | .134 | -.153 | -1.194 | 30 | 235 | -.717 | .137 | -.291 | -1.125 |
| 15 | 921 | .836 | .201 | 1.220 | -1.767 | 30 | 125 | -.576 | .180 | -.023 | -1.080 | 30 | 236 | -.691 | .140 | -.251 | -1.191 |
| 15 | 922 | .816 | .216 | 1.181 | -1.723 | 30 | 126 | -.611 | .147 | -.142 | -1.219 | 30 | 237 | -.714 | .140 | -.199 | -1.157 |
| 15 | 923 | .711 | .190 | 1.089 | -1.402 | 30 | 127 | -.583 | .144 | -.149 | -1.080 | 30 | 238 | -.683 | .168 | -.020 | -1.202 |
| 15 | 924 | .976 | .243 | 1.254 | -1.941 | 30 | 128 | -.600 | .150 | -.132 | -1.174 | 30 | 239 | -.646 | .153 | -.106 | -1.244 |

| WD | TAP | CPNEAH | CPRMS | CPMAK | CPMIN | WD | TAP | CPNEAH | CPRMS | CPMAX | CPMIN | WD | TAP | CPNEAH | CPRMS | CPMAX | CPMIN |
|-----|-----|--------|-------|-------|--------|----|-----|--------|-------|-------|--------|----|-----|--------|-------|-------|--------|
| 330 | 240 | .658 | .148 | -.209 | -.201 | 30 | 403 | -.629 | .230 | .226 | -1.716 | 30 | 939 | -.716 | .217 | -.009 | -2.568 |
| 330 | 241 | .684 | .150 | -.121 | -.146 | 30 | 404 | -.443 | .281 | 1.088 | -1.170 | 30 | 940 | -.776 | .234 | -.062 | -2.461 |
| 330 | 242 | .680 | .134 | -.226 | -.1250 | 30 | 405 | -.375 | .244 | -.479 | -1.133 | 30 | 941 | -.461 | .200 | -.226 | -1.356 |
| 330 | 243 | .695 | .133 | -.228 | -.1178 | 30 | 501 | -.929 | .160 | -.500 | -1.412 | 30 | 942 | -.799 | .256 | -.024 | -1.942 |
| 330 | 244 | .686 | .137 | -.123 | -.1146 | 30 | 502 | -.972 | .151 | -.509 | -1.406 | 30 | 943 | -.938 | .315 | -.086 | -1.245 |
| 330 | 245 | .677 | .143 | -.108 | -.1157 | 30 | 503 | -.934 | .161 | -.359 | -1.551 | 30 | 944 | -.959 | .237 | -.219 | -2.431 |
| 330 | 246 | .667 | .138 | -.168 | -.1142 | 30 | 504 | -.928 | .155 | -.447 | -1.412 | 30 | 945 | -.016 | .174 | -.434 | -1.679 |
| 330 | 247 | .645 | .160 | -.130 | -.1211 | 30 | 505 | -.912 | .166 | -.396 | -1.386 | 30 | 946 | -.905 | .152 | -.363 | -1.378 |
| 330 | 248 | .645 | .158 | -.028 | -.1122 | 30 | 506 | -.918 | .151 | -.399 | -1.551 | 45 | 101 | -.595 | .160 | -.141 | -1.148 |
| 330 | 249 | .644 | .156 | -.030 | -.1082 | 30 | 507 | -.928 | .160 | -.364 | -1.467 | 45 | 102 | -.605 | .140 | -.097 | -1.132 |
| 330 | 250 | .644 | .153 | -.119 | -.1076 | 30 | 508 | -.964 | .167 | -.434 | -1.643 | 45 | 103 | -.642 | .139 | -.144 | -1.139 |
| 330 | 251 | .615 | .139 | -.134 | -.1103 | 30 | 509 | -.920 | .150 | -.473 | -1.465 | 45 | 104 | -.625 | .148 | -.186 | -1.130 |
| 330 | 252 | .615 | .143 | -.187 | -.1221 | 30 | 901 | -.978 | .242 | -.295 | -2.160 | 45 | 105 | -.616 | .175 | -.040 | -1.211 |
| 330 | 253 | .629 | .137 | -.095 | -.1159 | 30 | 902 | -.807 | .213 | -.207 | -2.081 | 45 | 106 | -.593 | .156 | -.058 | -1.130 |
| 330 | 254 | .641 | .137 | -.198 | -.1218 | 30 | 903 | -.614 | .240 | -.228 | -1.747 | 45 | 107 | -.595 | .154 | -.139 | -1.117 |
| 330 | 255 | .633 | .160 | -.027 | -.1140 | 30 | 904 | -.768 | .173 | -.234 | -1.324 | 45 | 108 | -.608 | .132 | -.171 | -1.092 |
| 330 | 256 | .633 | .162 | -.044 | -.1217 | 30 | 905 | -.121 | .250 | -.399 | -2.105 | 45 | 109 | -.644 | .132 | -.162 | -1.078 |
| 330 | 257 | .633 | .160 | -.028 | -.1122 | 30 | 906 | -.022 | .250 | -.599 | -4.488 | 45 | 110 | -.630 | .142 | -.213 | -1.096 |
| 330 | 258 | .633 | .160 | -.055 | -.1069 | 30 | 907 | -.054 | .312 | -.074 | -3.330 | 45 | 111 | -.593 | .154 | -.078 | -1.053 |
| 330 | 259 | .633 | .163 | -.118 | -.1182 | 30 | 908 | -.413 | .329 | -.052 | -2.892 | 45 | 112 | -.638 | .142 | -.168 | -1.117 |
| 330 | 260 | .633 | .160 | -.066 | -.1208 | 30 | 909 | -.341 | .240 | -.307 | -1.408 | 45 | 113 | -.630 | .151 | -.139 | -1.191 |
| 330 | 261 | .602 | .151 | -.128 | -.1186 | 30 | 910 | -.877 | .235 | -.007 | -1.808 | 45 | 114 | -.630 | .130 | -.146 | -1.011 |
| 330 | 262 | .603 | .149 | -.079 | -.1120 | 30 | 911 | -.806 | .195 | -.246 | -1.646 | 45 | 115 | -.638 | .144 | -.141 | -1.038 |
| 330 | 263 | .617 | .144 | -.121 | -.1116 | 30 | 912 | -.766 | .192 | -.214 | -1.566 | 45 | 116 | -.638 | .151 | -.094 | -1.119 |
| 330 | 264 | .607 | .153 | -.055 | -.1161 | 30 | 913 | -.586 | .232 | -.146 | -1.559 | 45 | 117 | -.638 | .129 | -.193 | -1.084 |
| 330 | 265 | .607 | .163 | -.095 | -.1166 | 30 | 914 | -.807 | .196 | -.117 | -1.964 | 45 | 118 | -.586 | .142 | -.105 | -1.043 |
| 330 | 266 | .607 | .147 | -.070 | -.1073 | 30 | 915 | -.185 | .284 | -.493 | -2.373 | 45 | 119 | -.587 | .125 | -.112 | -1.985 |
| 330 | 267 | .607 | .138 | -.044 | -.1022 | 30 | 916 | -.578 | .363 | -.331 | -3.145 | 45 | 120 | -.584 | .139 | -.164 | -1.025 |
| 330 | 268 | .607 | .152 | -.108 | -.1114 | 30 | 917 | -.364 | .578 | -.270 | -3.937 | 45 | 121 | -.547 | .135 | -.128 | -1.105 |
| 330 | 269 | .614 | .143 | -.083 | -.1129 | 30 | 918 | -.708 | .427 | -.088 | -2.630 | 45 | 122 | -.547 | .136 | -.096 | -1.021 |
| 330 | 270 | .620 | .144 | -.166 | -.1132 | 30 | 919 | -.359 | .252 | -.453 | -1.690 | 45 | 123 | -.576 | .138 | -.088 | -1.072 |
| 330 | 271 | .628 | .143 | -.089 | -.1197 | 30 | 920 | -.760 | .204 | -.010 | -1.615 | 45 | 124 | -.596 | .131 | -.121 | -1.069 |
| 330 | 272 | .633 | .153 | -.057 | -.1088 | 30 | 921 | -.753 | .199 | -.128 | -1.555 | 45 | 125 | -.533 | .155 | -.074 | -1.103 |
| 330 | 273 | .613 | .149 | -.008 | -.1110 | 30 | 922 | -.728 | .209 | -.040 | -1.487 | 45 | 126 | -.533 | .153 | -.081 | -1.263 |
| 330 | 274 | .608 | .216 | 1.172 | -.1179 | 30 | 923 | -.543 | .209 | -.451 | -1.219 | 45 | 127 | -.533 | .123 | -.155 | -1.936 |
| 330 | 275 | .634 | .208 | 1.033 | -.272 | 30 | 924 | -.875 | .246 | -.042 | -1.770 | 45 | 128 | -.533 | .128 | -.130 | -1.014 |
| 330 | 276 | .719 | .193 | 1.270 | -.139 | 30 | 925 | -.938 | .284 | -.139 | -2.424 | 45 | 129 | -.533 | .125 | -.132 | -1.008 |
| 330 | 277 | .674 | .197 | 1.439 | -.119 | 30 | 926 | -.795 | .195 | -.131 | -1.759 | 45 | 130 | -.560 | .149 | -.092 | -1.081 |
| 330 | 278 | .768 | .233 | 1.604 | -.161 | 30 | 927 | -.973 | .214 | -.243 | -2.528 | 45 | 131 | -.560 | .139 | -.164 | -1.029 |
| 330 | 279 | .727 | .192 | 1.323 | -.152 | 30 | 928 | -.949 | .162 | -.423 | -1.429 | 45 | 132 | -.533 | .142 | -.087 | -1.956 |
| 330 | 280 | .703 | .198 | 1.298 | -.172 | 30 | 929 | -.743 | .198 | -.203 | -1.718 | 45 | 133 | -.533 | .142 | -.046 | -1.005 |
| 330 | 281 | .680 | .191 | 1.349 | -.049 | 30 | 930 | -.704 | .181 | -.106 | -1.719 | 45 | 134 | -.533 | .140 | -.009 | -1.015 |
| 330 | 282 | .600 | .173 | 1.243 | -.046 | 30 | 931 | -.718 | .172 | -.172 | -1.696 | 45 | 135 | -.533 | .147 | -.130 | -1.976 |
| 330 | 283 | .623 | .157 | 1.285 | -.074 | 30 | 932 | -.428 | .271 | -.546 | -1.270 | 45 | 136 | -.533 | .142 | -.128 | -1.044 |
| 330 | 284 | .671 | .194 | 1.281 | -.212 | 30 | 933 | -.677 | .236 | -.208 | -1.650 | 45 | 137 | -.533 | .143 | -.116 | -1.149 |
| 330 | 285 | .645 | .173 | 1.243 | -.152 | 30 | 934 | -.679 | .229 | -.374 | -1.663 | 45 | 138 | -.533 | .143 | -.127 | -1.196 |
| 330 | 286 | .683 | .181 | 1.309 | -.093 | 30 | 935 | -.936 | .257 | -.128 | -3.112 | 45 | 139 | -.533 | .141 | -.146 | -1.186 |
| 330 | 287 | .676 | .190 | 1.297 | -.023 | 30 | 936 | -.979 | .182 | -.369 | -1.785 | 45 | 201 | -.726 | .195 | -.134 | -1.620 |
| 330 | 288 | .010 | .401 | 1.033 | -.579 | 30 | 937 | -.919 | .164 | -.414 | -1.405 | 45 | 202 | -.726 | .164 | -.215 | -1.696 |
| 330 | 289 | .338 | .210 | 1.419 | -.052 | 30 | 938 | -.755 | .204 | -.146 | -1.579 | 45 | 203 | -.723 | .183 | -.201 | -1.176 |

| WD | TAP | CPNEAK | CPRMS | CPMAX | CPMIN | WD | TAP | CPNEAK | CPRMS | CPMAX | CPMIN | WD | TAP | CPNEAK | CPRMS | CPMAX | CPMIN |
|----|-----|--------|-------|-------|--------|----|-----|--------|-------|-------|--------|----|-----|--------|-------|-------|--------|
| 45 | 204 | 765 | 141 | 321 | -1.386 | 45 | 254 | 641 | 142 | -210 | -1.052 | 45 | 903 | 613 | 248 | 408 | -1.715 |
| 45 | 205 | 729 | 133 | 274 | -1.271 | 45 | 255 | 638 | 141 | -089 | -1.127 | 45 | 904 | 734 | 187 | 168 | -1.406 |
| 45 | 206 | 751 | 141 | 319 | -1.221 | 45 | 256 | 552 | 159 | -062 | -1.071 | 45 | 905 | 019 | 214 | 314 | -1.920 |
| 45 | 207 | 748 | 136 | 256 | -1.286 | 45 | 257 | 570 | 150 | -019 | -1.192 | 45 | 906 | 770 | 433 | 677 | -3.969 |
| 45 | 208 | 739 | 132 | 339 | -1.181 | 45 | 258 | 561 | 153 | -034 | -1.087 | 45 | 907 | 946 | 287 | 731 | -3.007 |
| 45 | 209 | 748 | 136 | 253 | -1.217 | 45 | 259 | 593 | 144 | -015 | -1.074 | 45 | 908 | 454 | 273 | 229 | -2.289 |
| 45 | 210 | 732 | 180 | 251 | -1.392 | 45 | 260 | 616 | 145 | -048 | -1.092 | 45 | 909 | 768 | 239 | 197 | -1.630 |
| 45 | 211 | 749 | 178 | 195 | -1.410 | 45 | 261 | 653 | 155 | -145 | -1.268 | 45 | 910 | 869 | 263 | 097 | -2.094 |
| 45 | 212 | 702 | 169 | 170 | -1.363 | 45 | 262 | 643 | 151 | -163 | -1.199 | 45 | 911 | 815 | 204 | 292 | -1.540 |
| 45 | 213 | 791 | 297 | 010 | -3.492 | 45 | 263 | 639 | 136 | -161 | -1.139 | 45 | 912 | 778 | 196 | 227 | -1.677 |
| 45 | 214 | 712 | 200 | 071 | -1.645 | 45 | 264 | 625 | 140 | -179 | -1.163 | 45 | 913 | 597 | 229 | 178 | -1.553 |
| 45 | 215 | 736 | 179 | 051 | -1.311 | 45 | 265 | 561 | 155 | -019 | -1.232 | 45 | 914 | 774 | 185 | 270 | -1.869 |
| 45 | 216 | 808 | 138 | 328 | -1.229 | 45 | 266 | 534 | 150 | -053 | -1.121 | 45 | 915 | 140 | 247 | 425 | -2.209 |
| 45 | 217 | 766 | 139 | 202 | -1.271 | 45 | 267 | 578 | 153 | -018 | -1.125 | 45 | 916 | 370 | 345 | 524 | -2.979 |
| 45 | 218 | 727 | 135 | 247 | -1.179 | 45 | 268 | 616 | 150 | -110 | -1.159 | 45 | 917 | 019 | 578 | 090 | -3.450 |
| 45 | 219 | 709 | 144 | 292 | -1.210 | 45 | 269 | 622 | 152 | -116 | -1.116 | 45 | 918 | 710 | 340 | 084 | -2.495 |
| 45 | 220 | 732 | 174 | 093 | -1.595 | 45 | 270 | 655 | 133 | -197 | -1.130 | 45 | 919 | 775 | 226 | 102 | -1.551 |
| 45 | 221 | 747 | 159 | 239 | -1.339 | 45 | 271 | 638 | 144 | -192 | -1.138 | 45 | 920 | 713 | 230 | 025 | -1.798 |
| 45 | 222 | 732 | 159 | 179 | -1.900 | 45 | 272 | 649 | 134 | -214 | -1.072 | 45 | 921 | 682 | 189 | 061 | -1.524 |
| 45 | 223 | 744 | 164 | 208 | -1.829 | 45 | 273 | 626 | 129 | -071 | -1.107 | 45 | 922 | 764 | 195 | 150 | -1.720 |
| 45 | 224 | 756 | 164 | 243 | -1.437 | 45 | 301 | 178 | 174 | 951 | -332 | 45 | 923 | 483 | 221 | 807 | -1.285 |
| 45 | 225 | 758 | 142 | 310 | -1.219 | 45 | 302 | 338 | 191 | 010 | -285 | 45 | 924 | 745 | 230 | 036 | -1.711 |
| 45 | 226 | 759 | 142 | 353 | -1.196 | 45 | 303 | 685 | 193 | 313 | 043 | 45 | 925 | 780 | 276 | 048 | -1.826 |
| 45 | 227 | 716 | 126 | 255 | -1.190 | 45 | 304 | 568 | 202 | 270 | - | 45 | 926 | 862 | 200 | 013 | -1.950 |
| 45 | 228 | 718 | 133 | 276 | -1.206 | 45 | 305 | 681 | 204 | 320 | 003 | 45 | 927 | 087 | 235 | 403 | -2.245 |
| 45 | 229 | 757 | 171 | 156 | -1.643 | 45 | 306 | 616 | 185 | 428 | 033 | 45 | 928 | 028 | 186 | 513 | -1.574 |
| 45 | 230 | 770 | 155 | 166 | -1.247 | 45 | 307 | 679 | 196 | 262 | 054 | 45 | 929 | 682 | 192 | 099 | -1.760 |
| 45 | 231 | 759 | 149 | 225 | -1.232 | 45 | 308 | 608 | 171 | 334 | 141 | 45 | 930 | 676 | 209 | 002 | -1.921 |
| 45 | 232 | 729 | 147 | 288 | -1.250 | 45 | 309 | 601 | 176 | 135 | - | 45 | 931 | 703 | 218 | 076 | -2.153 |
| 45 | 233 | 772 | 140 | 337 | -1.192 | 45 | 310 | 549 | 176 | 192 | - | 45 | 932 | 228 | 313 | 937 | -1.006 |
| 45 | 234 | 760 | 145 | 203 | -1.310 | 45 | 311 | 617 | 169 | 140 | - | 45 | 933 | 569 | 215 | 109 | -1.452 |
| 45 | 235 | 749 | 133 | 286 | -1.179 | 45 | 312 | 555 | 168 | 194 | - | 45 | 934 | 696 | 223 | 093 | -1.887 |
| 45 | 236 | 730 | 135 | 257 | -1.268 | 45 | 313 | 611 | 178 | 133 | - | 45 | 935 | 936 | 237 | 301 | -2.049 |
| 45 | 237 | 733 | 130 | 285 | -1.208 | 45 | 314 | 514 | 168 | 145 | - | 45 | 936 | 029 | 171 | 387 | -1.542 |
| 45 | 238 | 778 | 168 | 213 | -1.501 | 45 | 401 | 183 | 288 | 222 | -1.337 | 45 | 937 | 944 | 151 | 533 | -1.409 |
| 45 | 239 | 718 | 148 | 192 | -1.170 | 45 | 402 | 309 | 216 | 989 | -1.016 | 45 | 938 | 707 | 207 | 058 | -1.612 |
| 45 | 240 | 732 | 134 | 312 | -1.147 | 45 | 403 | 563 | 242 | 874 | -1.446 | 45 | 939 | 709 | 255 | 100 | -2.179 |
| 45 | 241 | 733 | 145 | 189 | -1.250 | 45 | 404 | 217 | 343 | 556 | -1.050 | 45 | 940 | 808 | 302 | 094 | -2.642 |
| 45 | 242 | 738 | 144 | 286 | -1.334 | 45 | 501 | 248 | 244 | 773 | - | 45 | 941 | 385 | 237 | 386 | -1.752 |
| 45 | 243 | 717 | 153 | 239 | -1.223 | 45 | 502 | 973 | 141 | 558 | -1.451 | 45 | 942 | 714 | 259 | 015 | -1.837 |
| 45 | 244 | 718 | 141 | 230 | -1.257 | 45 | 503 | 999 | 148 | 496 | -1.532 | 45 | 943 | 677 | 249 | 084 | -2.229 |
| 45 | 245 | 685 | 141 | 210 | -1.267 | 45 | 504 | 970 | 145 | 471 | -1.453 | 45 | 944 | 802 | 195 | 054 | -1.642 |
| 45 | 246 | 681 | 146 | 204 | -1.288 | 45 | 505 | 881 | 171 | 332 | -1.538 | 45 | 945 | 054 | 154 | 545 | -1.684 |
| 45 | 247 | 634 | 152 | 015 | -1.188 | 45 | 506 | 881 | 142 | 361 | -1.363 | 45 | 946 | 861 | 180 | 382 | -1.463 |
| 45 | 248 | 601 | 163 | 021 | -1.254 | 45 | 507 | 925 | 160 | 206 | -1.451 | 60 | 101 | 519 | 146 | 040 | -1.005 |
| 45 | 249 | 635 | 142 | 090 | -1.109 | 45 | 508 | 990 | 160 | 518 | -1.556 | 60 | 102 | 510 | 133 | 074 | - |
| 45 | 250 | 633 | 140 | 070 | -1.152 | 45 | 509 | 959 | 151 | 415 | -1.444 | 60 | 103 | 544 | 133 | 017 | - |
| 45 | 251 | 652 | 148 | 147 | -1.138 | 45 | 901 | 970 | 175 | 408 | -1.567 | 60 | 104 | 538 | 142 | 048 | -1.092 |
| 45 | 252 | 665 | 132 | 261 | -1.132 | 45 | 902 | 823 | 266 | 110 | -2.016 | 60 | 105 | 574 | 138 | 152 | -1.113 |
| 45 | 253 | 691 | 142 | 245 | -1.176 | 45 | | | 251 | 063 | -2.079 | 60 | 106 | 545 | 127 | 033 | - |

| WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN |
|----|-----|--------|-------|-------|--------|----|-----|--------|-------|-------|--------|----|-----|--------|-------|--------|--------|
| 60 | 107 | .531 | .138 | .115 | -.003 | 60 | 218 | .811 | .147 | -.274 | -.316 | 60 | 268 | -.652 | .155 | -.187 | -.1232 |
| 60 | 108 | .533 | .122 | -.079 | -.867 | 60 | 219 | .760 | .159 | -.167 | -.349 | 60 | 269 | -.686 | .168 | -.111 | -.1289 |
| 60 | 109 | .537 | .126 | -.070 | -.1041 | 60 | 220 | .806 | .178 | -.288 | -.1414 | 60 | 270 | -.710 | .160 | -.081 | -.1276 |
| 60 | 110 | .537 | .138 | -.066 | -.1092 | 60 | 221 | .798 | .178 | -.223 | -.370 | 60 | 271 | -.704 | .160 | -.187 | -.1240 |
| 60 | 111 | .537 | .136 | -.136 | -.996 | 60 | 222 | .771 | .166 | -.280 | -.317 | 60 | 272 | -.678 | .157 | -.176 | -.1203 |
| 60 | 112 | .538 | .138 | -.129 | -.1003 | 60 | 223 | .756 | .185 | -.160 | -.529 | 60 | 273 | -.672 | .146 | -.111 | -.1343 |
| 60 | 113 | .538 | .130 | -.132 | -.1009 | 60 | 224 | .811 | .189 | -.211 | -.401 | 60 | 301 | -.072 | .203 | .877 | -.962 |
| 60 | 114 | .538 | .133 | -.116 | -.159 | 60 | 225 | .812 | .161 | -.270 | -.323 | 60 | 302 | -.283 | .245 | 1.130 | -.683 |
| 60 | 115 | .538 | .139 | -.112 | -.933 | 60 | 226 | .797 | .141 | -.313 | -.234 | 60 | 303 | -.506 | .240 | 1.151 | -.327 |
| 60 | 116 | .538 | .128 | -.142 | -.1030 | 60 | 227 | .818 | .142 | -.248 | -.260 | 60 | 304 | -.496 | .243 | 1.1389 | -.463 |
| 60 | 117 | .538 | .151 | -.647 | -.975 | 60 | 228 | .781 | .141 | -.368 | -.1279 | 60 | 305 | -.603 | .194 | 1.1243 | -.176 |
| 60 | 118 | .538 | .143 | -.639 | -.1043 | 60 | 229 | .883 | .204 | -.204 | -.610 | 60 | 306 | -.508 | .210 | 1.1414 | -.120 |
| 60 | 119 | .538 | .148 | -.638 | -.1061 | 60 | 230 | .854 | .197 | -.270 | -.523 | 60 | 307 | -.550 | .185 | 1.1400 | -.038 |
| 60 | 120 | .538 | .137 | -.604 | -.937 | 60 | 231 | .814 | .158 | -.319 | -.405 | 60 | 308 | -.499 | .221 | 1.1319 | -.247 |
| 60 | 121 | .538 | .128 | -.694 | -.939 | 60 | 232 | .828 | .156 | -.339 | -.360 | 60 | 309 | -.512 | .182 | 1.1124 | -.015 |
| 60 | 122 | .538 | .147 | -.634 | -.1135 | 60 | 233 | .826 | .156 | -.246 | -.393 | 60 | 310 | -.454 | .207 | 1.1169 | -.305 |
| 60 | 123 | .538 | .152 | -.642 | -.1197 | 60 | 234 | .802 | .146 | -.299 | -.399 | 60 | 311 | -.486 | .161 | 1.1122 | -.130 |
| 60 | 124 | .538 | .148 | -.689 | -.1222 | 60 | 235 | .819 | .151 | -.339 | -.295 | 60 | 312 | -.419 | .181 | 1.1412 | -.167 |
| 60 | 125 | .538 | .131 | -.637 | -.954 | 60 | 236 | .796 | .137 | -.347 | -.1227 | 60 | 313 | -.501 | .171 | 1.1168 | -.062 |
| 60 | 126 | .538 | .136 | -.645 | -.933 | 60 | 237 | .783 | .141 | -.336 | -.304 | 60 | 314 | -.369 | .158 | .890 | -.140 |
| 60 | 127 | .538 | .155 | -.682 | -.983 | 60 | 238 | .831 | .212 | -.192 | -.206 | 60 | 401 | -.270 | .271 | 1.382 | -.1079 |
| 60 | 128 | .538 | .156 | -.607 | -.1030 | 60 | 239 | .753 | .186 | -.101 | -.714 | 60 | 402 | -.213 | .250 | .696 | -.1117 |
| 60 | 129 | .538 | .153 | -.633 | -.1245 | 60 | 240 | .747 | .171 | -.264 | -.413 | 60 | 403 | -.470 | .227 | .468 | -.1432 |
| 60 | 130 | .538 | .138 | -.689 | -.946 | 60 | 241 | .779 | .153 | -.286 | -.313 | 60 | 404 | -.029 | .339 | 1.217 | -.806 |
| 60 | 131 | .538 | .132 | -.115 | -.1052 | 60 | 242 | .788 | .149 | -.219 | -.346 | 60 | 405 | -.181 | .187 | .542 | -.804 |
| 60 | 132 | .538 | .143 | -.002 | -.989 | 60 | 243 | .753 | .163 | -.176 | -.248 | 60 | 501 | -.937 | .152 | -.359 | -.1409 |
| 60 | 133 | .538 | .151 | -.017 | -.1018 | 60 | 244 | .797 | .148 | -.345 | -.342 | 60 | 502 | -.045 | .145 | -.573 | -.1496 |
| 60 | 134 | .538 | .145 | -.002 | -.1022 | 60 | 245 | .738 | .147 | -.348 | -.228 | 60 | 503 | -.074 | .148 | -.616 | -.1678 |
| 60 | 135 | .538 | .141 | -.013 | -.1039 | 60 | 246 | .728 | .140 | -.251 | -.156 | 60 | 504 | -.021 | .158 | -.459 | -.1538 |
| 60 | 136 | .538 | .136 | -.087 | -.962 | 60 | 247 | .648 | .176 | -.012 | -.363 | 60 | 505 | -.836 | .141 | -.321 | -.1331 |
| 60 | 137 | .538 | .152 | -.054 | -.1080 | 60 | 248 | .613 | .173 | -.081 | -.203 | 60 | 506 | -.880 | .137 | -.343 | -.1415 |
| 60 | 138 | .538 | .154 | -.089 | -.1083 | 60 | 249 | .638 | .162 | -.013 | -.195 | 60 | 507 | -.951 | .149 | -.465 | -.1536 |
| 60 | 139 | .538 | .151 | -.120 | -.1093 | 60 | 250 | .670 | .162 | -.170 | -.285 | 60 | 508 | -.077 | .162 | -.518 | -.1625 |
| 60 | 201 | .538 | .261 | -.118 | -.2021 | 60 | 251 | .713 | .148 | -.144 | -.221 | 60 | 509 | -.061 | .138 | -.516 | -.1537 |
| 60 | 202 | .538 | .216 | -.284 | -.1897 | 60 | 252 | .728 | .153 | -.233 | -.278 | 60 | 901 | -.827 | .261 | -.030 | -.1754 |
| 60 | 203 | .538 | .206 | -.081 | -.1630 | 60 | 253 | .747 | .165 | -.205 | -.321 | 60 | 902 | -.965 | .349 | -.173 | -.2281 |
| 60 | 204 | .538 | .168 | -.333 | -.1774 | 60 | 254 | .723 | .164 | -.246 | -.395 | 60 | 903 | -.481 | .290 | -.974 | -.2533 |
| 60 | 205 | .538 | .161 | -.333 | -.1302 | 60 | 255 | .676 | .162 | -.103 | -.186 | 60 | 904 | -.684 | .167 | -.040 | -.1517 |
| 60 | 206 | .538 | .141 | -.323 | -.1236 | 60 | 256 | .594 | .182 | -.005 | -.326 | 60 | 905 | -.838 | .179 | -.307 | -.1523 |
| 60 | 207 | .538 | .164 | -.368 | -.1486 | 60 | 257 | .550 | .174 | -.121 | -.087 | 60 | 906 | -.350 | .269 | -.309 | -.1573 |
| 60 | 208 | .538 | .162 | -.278 | -.1361 | 60 | 258 | .591 | .158 | -.056 | -.293 | 60 | 907 | -.666 | .291 | -.632 | -.1823 |
| 60 | 209 | .538 | .144 | -.272 | -.1328 | 60 | 259 | .649 | .152 | -.072 | -.173 | 60 | 908 | -.350 | .277 | -.398 | -.1679 |
| 60 | 210 | .538 | .199 | -.181 | -.1509 | 60 | 260 | .685 | .161 | -.072 | -.301 | 60 | 909 | -.190 | .198 | -.391 | -.1205 |
| 60 | 211 | .538 | .193 | -.136 | -.1501 | 60 | 261 | .714 | .160 | -.111 | -.268 | 60 | 910 | -.673 | .289 | -.269 | -.1845 |
| 60 | 212 | .538 | .179 | -.216 | -.1515 | 60 | 262 | .736 | .148 | -.244 | -.311 | 60 | 911 | -.801 | .211 | -.130 | -.1666 |
| 60 | 213 | .538 | .213 | -.196 | -.2257 | 60 | 263 | .699 | .164 | -.056 | -.494 | 60 | 912 | -.944 | .309 | -.038 | -.1553 |
| 60 | 214 | .538 | .180 | -.196 | -.1495 | 60 | 264 | .657 | .168 | -.105 | -.190 | 60 | 913 | -.498 | .280 | -.494 | -.1281 |
| 60 | 215 | .538 | .185 | -.264 | -.1474 | 60 | 265 | .535 | .167 | -.337 | -.269 | 60 | 914 | -.672 | .180 | -.068 | -.1370 |
| 60 | 216 | .538 | .171 | -.299 | -.1589 | 60 | 266 | .498 | .170 | -.192 | -.062 | 60 | 915 | -.894 | .172 | -.325 | -.1434 |
| 60 | 217 | .538 | .145 | -.346 | -.1390 | 60 | 267 | .571 | .155 | -.084 | -.144 | 60 | 916 | -.438 | .300 | -.397 | -.2439 |

| WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN |
|----|-----|--------|-------|-------|--------|----|-----|--------|-------|-------|--------|----|-----|--------|-------|-------|--------|
| 60 | 917 | -1.657 | .480 | -.402 | -.3036 | 75 | 121 | -.386 | .124 | -.118 | -.767 | 75 | 232 | -.636 | .193 | -.092 | -1.219 |
| 60 | 918 | -.850 | .242 | -.204 | -.1991 | 75 | 122 | -.402 | .138 | -.116 | -.830 | 75 | 233 | -.661 | .184 | -.046 | -1.232 |
| 60 | 919 | -1.163 | .210 | -.442 | -.1995 | 75 | 123 | -.427 | .141 | -.089 | -.888 | 75 | 234 | -.695 | .185 | -.039 | -1.382 |
| 60 | 920 | -.503 | .188 | -.081 | -.1500 | 75 | 124 | -.453 | .133 | -.014 | -.864 | 75 | 235 | -.760 | .170 | -.190 | -1.395 |
| 60 | 921 | -.574 | .176 | -.059 | -.1173 | 75 | 125 | -.332 | .120 | -.049 | -.749 | 75 | 236 | -.786 | .173 | -.217 | -1.338 |
| 60 | 922 | -.684 | .241 | -.189 | -.1302 | 75 | 126 | -.343 | .131 | -.122 | -.805 | 75 | 237 | -.810 | .173 | -.253 | -1.562 |
| 60 | 923 | -.360 | .196 | -.726 | -.1173 | 75 | 127 | -.375 | .136 | -.170 | -.823 | 75 | 238 | -.853 | .175 | -.003 | -1.400 |
| 60 | 924 | -.394 | .206 | -.095 | -.1111 | 75 | 128 | -.397 | .143 | -.136 | -.843 | 75 | 239 | -.882 | .179 | -.174 | -1.308 |
| 60 | 925 | -.646 | .184 | -.055 | -.1423 | 75 | 129 | -.426 | .138 | -.097 | -.847 | 75 | 240 | -.933 | .165 | -.001 | -1.171 |
| 60 | 926 | -.886 | .180 | -.310 | -.1111 | 75 | 130 | -.341 | .123 | -.123 | -.802 | 75 | 241 | -.991 | .165 | -.012 | -1.171 |
| 60 | 927 | -1.211 | .228 | -.446 | -.2182 | 75 | 131 | -.369 | .117 | -.001 | -.888 | 75 | 242 | -.648 | .162 | -.067 | -1.412 |
| 60 | 928 | -.145 | .134 | -.639 | -.1111 | 75 | 132 | -.367 | .137 | -.130 | -.864 | 75 | 243 | -.715 | .167 | -.200 | -1.382 |
| 60 | 929 | -.526 | .177 | -.142 | -.1313 | 75 | 133 | -.375 | .143 | -.068 | -.849 | 75 | 244 | -.715 | .186 | -.101 | -1.589 |
| 60 | 930 | -.640 | .234 | -.134 | -.0929 | 75 | 134 | -.407 | .136 | -.083 | -.994 | 75 | 245 | -.729 | .171 | -.278 | -1.446 |
| 60 | 931 | -.841 | .337 | -.119 | -.2103 | 75 | 135 | -.356 | .116 | -.043 | -.920 | 75 | 246 | -.675 | .157 | -.038 | -1.308 |
| 60 | 932 | -.083 | .296 | -.986 | -.1066 | 75 | 136 | -.389 | .106 | -.043 | -.742 | 75 | 247 | -.540 | .195 | -.116 | -1.265 |
| 60 | 933 | -.357 | .163 | -.138 | -.1009 | 75 | 137 | -.382 | .134 | -.163 | -.751 | 75 | 248 | -.528 | .183 | -.047 | -1.207 |
| 60 | 934 | -.500 | .189 | -.117 | -.1334 | 75 | 138 | -.397 | .138 | -.166 | -.828 | 75 | 249 | -.547 | .169 | -.037 | -1.363 |
| 60 | 935 | -.813 | .207 | -.132 | -.0661 | 75 | 139 | -.419 | .136 | -.144 | -.806 | 75 | 250 | -.589 | .167 | -.103 | -1.423 |
| 60 | 936 | -1.101 | .143 | -.608 | -.1111 | 75 | 201 | -.704 | .320 | -.076 | -2.303 | 75 | 251 | -.643 | .184 | -.042 | -1.249 |
| 60 | 937 | -.914 | .153 | -.423 | -.1111 | 75 | 202 | -.661 | .284 | -.082 | -1.976 | 75 | 252 | -.681 | .222 | -.027 | -1.497 |
| 60 | 938 | -.561 | .165 | -.019 | -.1111 | 75 | 203 | -.609 | .236 | -.426 | -2.055 | 75 | 253 | -.705 | .209 | -.050 | -1.803 |
| 60 | 939 | -.691 | .233 | -.019 | -.1111 | 75 | 204 | -.911 | .238 | -.174 | -2.382 | 75 | 254 | -.718 | .198 | -.137 | -1.600 |
| 60 | 940 | -.951 | .300 | -.122 | -.2751 | 75 | 205 | -.879 | .201 | -.121 | -1.669 | 75 | 255 | -.669 | .184 | -.084 | -1.438 |
| 60 | 941 | -.309 | .225 | -.444 | -.1111 | 75 | 206 | -.900 | .177 | -.268 | -1.641 | 75 | 256 | -.534 | .191 | -.067 | -1.295 |
| 60 | 942 | -.397 | .182 | -.153 | -.1111 | 75 | 207 | -.877 | .235 | -.223 | -2.162 | 75 | 257 | -.499 | .171 | -.034 | -1.080 |
| 60 | 943 | -.378 | .216 | -.533 | -.1111 | 75 | 208 | -.844 | .197 | -.217 | -1.609 | 75 | 258 | -.537 | .183 | -.071 | -1.146 |
| 60 | 944 | -.733 | .239 | -.616 | -.1111 | 75 | 209 | -.843 | .188 | -.211 | -1.716 | 75 | 259 | -.577 | .183 | -.003 | -1.416 |
| 60 | 945 | -1.110 | .169 | -.601 | -.1111 | 75 | 210 | -.885 | .289 | -.048 | -1.764 | 75 | 260 | -.586 | .220 | -.049 | -1.619 |
| 60 | 946 | -.847 | .140 | -.321 | -.1111 | 75 | 211 | -.629 | .258 | -.044 | -1.517 | 75 | 261 | -.677 | .204 | -.054 | -1.484 |
| 75 | 101 | -.392 | .131 | -.059 | -.0856 | 75 | 212 | -.601 | .218 | -.067 | -1.912 | 75 | 262 | -.722 | .230 | -.037 | -2.158 |
| 75 | 102 | -.393 | .122 | -.025 | -.0870 | 75 | 213 | -.647 | .237 | -.035 | -1.805 | 75 | 263 | -.699 | .206 | -.044 | -1.759 |
| 75 | 103 | -.394 | .126 | -.013 | -.0838 | 75 | 214 | -.656 | .233 | -.090 | -1.649 | 75 | 264 | -.688 | .204 | -.159 | -2.057 |
| 75 | 104 | -.400 | .129 | -.055 | -.0914 | 75 | 215 | -.701 | .213 | -.012 | -1.777 | 75 | 265 | -.506 | .197 | -.033 | -1.528 |
| 75 | 105 | -.405 | .138 | -.023 | -.0848 | 75 | 216 | -.760 | .201 | -.078 | -1.856 | 75 | 266 | -.461 | .188 | -.246 | -1.133 |
| 75 | 106 | -.413 | .120 | -.021 | -.0800 | 75 | 217 | -.812 | .210 | -.072 | -1.628 | 75 | 267 | -.531 | .188 | -.079 | -1.198 |
| 75 | 107 | -.409 | .126 | -.019 | -.0876 | 75 | 218 | -.802 | .138 | -.347 | -1.536 | 75 | 268 | -.575 | .194 | -.041 | -1.258 |
| 75 | 108 | -.414 | .117 | -.041 | -.0897 | 75 | 219 | -.818 | .163 | -.321 | -1.478 | 75 | 269 | -.600 | .212 | -.079 | -1.437 |
| 75 | 109 | -.430 | .124 | -.068 | -.0878 | 75 | 220 | -.664 | .263 | -.123 | -1.942 | 75 | 270 | -.648 | .200 | -.102 | -1.746 |
| 75 | 110 | -.436 | .127 | -.029 | -.0820 | 75 | 221 | -.660 | .228 | -.038 | -1.537 | 75 | 271 | -.687 | .243 | -.089 | -1.814 |
| 75 | 111 | -.411 | .132 | -.054 | -.0860 | 75 | 222 | -.643 | .223 | -.191 | -1.611 | 75 | 272 | -.681 | .197 | -.032 | -1.404 |
| 75 | 112 | -.427 | .123 | -.031 | -.0884 | 75 | 223 | -.677 | .237 | -.145 | -1.788 | 75 | 273 | -.670 | .186 | -.125 | -1.558 |
| 75 | 113 | -.425 | .115 | -.073 | -.0888 | 75 | 224 | -.720 | .212 | -.043 | -1.480 | 75 | 301 | -.223 | .305 | .829 | -1.726 |
| 75 | 114 | -.461 | .115 | -.107 | -.0929 | 75 | 225 | -.757 | .216 | -.064 | -1.621 | 75 | 302 | -.059 | .441 | 1.179 | -1.489 |
| 75 | 115 | -.407 | .114 | -.001 | -.0936 | 75 | 226 | -.813 | .178 | -.268 | -1.493 | 75 | 303 | -.113 | .337 | 1.084 | -1.316 |
| 75 | 116 | -.414 | .121 | -.001 | -.0928 | 75 | 227 | -.769 | .177 | -.221 | -1.393 | 75 | 304 | -.039 | .470 | 1.527 | -1.841 |
| 75 | 117 | -.390 | .144 | -.123 | -.0836 | 75 | 228 | -.921 | .164 | -.377 | -1.589 | 75 | 305 | -.105 | .315 | 1.197 | -1.146 |
| 75 | 118 | -.418 | .138 | -.176 | -.0840 | 75 | 229 | -.634 | .235 | -.052 | -2.085 | 75 | 306 | -.023 | .468 | 1.292 | -2.495 |
| 75 | 119 | -.441 | .142 | -.108 | -.0935 | 75 | 230 | -.609 | .218 | -.043 | -1.386 | 75 | 307 | -.078 | .329 | 1.003 | -1.229 |
| 75 | 120 | -.364 | .118 | -.019 | -.0860 | 75 | 231 | -.597 | .183 | -.056 | -1.344 | 75 | 308 | -.033 | .436 | 1.297 | -2.286 |

| WD | TAP | CPNEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPNEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPNEAN | CPRMS | CPMAX | CPMIN |
|----|-----|--------|-------|-------|--------|----|-----|--------|-------|-------|--------|----|-----|--------|-------|-------|---------|
| 75 | 309 | .112 | .277 | .967 | -.902 | 75 | 931 | -.669 | .307 | .182 | -2.044 | 90 | 135 | -.229 | .135 | .296 | -.655 |
| 75 | 310 | -.044 | .392 | 1.239 | -2.441 | 75 | 932 | -.061 | .230 | .813 | -.658 | 90 | 136 | -.233 | .124 | .133 | -.771 |
| 75 | 311 | -.077 | .267 | 1.084 | -1.039 | 75 | 933 | -.158 | .168 | .427 | -.977 | 90 | 137 | -.207 | .140 | .318 | -.704 |
| 75 | 312 | -.026 | .330 | 1.442 | -1.583 | 75 | 934 | -.327 | .178 | .238 | -1.231 | 90 | 138 | -.211 | .143 | .329 | -.684 |
| 75 | 313 | .191 | .242 | 1.886 | -.801 | 75 | 935 | -.368 | .182 | .092 | -1.302 | 90 | 139 | -.213 | .138 | .317 | -.623 |
| 75 | 314 | -.033 | .279 | 1.267 | -1.297 | 75 | 936 | -.782 | .153 | -.270 | -1.144 | 90 | 201 | -.294 | .199 | .246 | -.566 |
| 75 | 401 | -.281 | .308 | 1.308 | -.983 | 75 | 937 | -.653 | .159 | -.157 | -1.144 | 90 | 202 | -.286 | .220 | .255 | -.527 |
| 75 | 402 | -.028 | .248 | 1.957 | -1.031 | 75 | 938 | -.364 | .131 | .059 | -.852 | 90 | 203 | -.399 | .294 | .582 | -.1.708 |
| 75 | 403 | -.124 | .243 | 1.081 | -1.143 | 75 | 939 | -.337 | .140 | .132 | -.864 | 90 | 204 | -.545 | .275 | .392 | -.1.647 |
| 75 | 404 | -.057 | .267 | 1.007 | -1.758 | 75 | 940 | -.362 | .239 | .316 | -1.568 | 90 | 205 | -.543 | .231 | .246 | -.1.539 |
| 75 | 405 | -.043 | .176 | 1.542 | -.748 | 75 | 941 | -.042 | .178 | .536 | -.753 | 90 | 206 | -.664 | .216 | .277 | -.1.582 |
| 75 | 501 | -.671 | .156 | 1.207 | -1.197 | 75 | 942 | -.154 | .152 | .369 | -.603 | 90 | 207 | -.535 | .289 | .440 | -.1.722 |
| 75 | 502 | -.760 | .169 | 1.205 | -1.367 | 75 | 943 | -.216 | .204 | .538 | -.819 | 90 | 208 | -.583 | .226 | .761 | -.1.382 |
| 75 | 503 | -.773 | .137 | 1.301 | -1.345 | 75 | 944 | -.563 | .204 | .195 | -.819 | 90 | 209 | -.642 | .196 | .203 | -.1.744 |
| 75 | 504 | -.733 | .160 | 1.329 | -1.389 | 75 | 945 | -.813 | .165 | .314 | -1.348 | 90 | 210 | -.204 | .162 | .272 | -.1.154 |
| 75 | 505 | -.588 | .151 | 1.109 | -1.071 | 75 | 946 | -.586 | .148 | .011 | -1.049 | 90 | 211 | -.228 | .187 | .295 | -.1.217 |
| 75 | 506 | -.602 | .145 | 1.023 | -1.123 | 90 | 101 | -.325 | .141 | .147 | -.846 | 90 | 212 | -.329 | .250 | .338 | -.2.335 |
| 75 | 507 | -.712 | .161 | 1.133 | -1.247 | 90 | 102 | -.321 | .136 | .126 | -.858 | 90 | 213 | -.279 | .294 | .476 | -.1.930 |
| 75 | 508 | -.863 | .168 | 1.175 | -1.471 | 90 | 103 | -.318 | .137 | .240 | -.896 | 90 | 214 | -.251 | .267 | .431 | -.2.027 |
| 75 | 509 | -.861 | .168 | 1.279 | -1.357 | 90 | 104 | -.307 | .137 | .192 | -.784 | 90 | 215 | -.354 | .264 | .526 | -.3.369 |
| 75 | 901 | -.352 | .211 | 1.310 | -1.179 | 90 | 105 | -.316 | .137 | .120 | -.836 | 90 | 216 | -.454 | .279 | .404 | -.3.027 |
| 75 | 902 | -.835 | .255 | 1.049 | -1.762 | 90 | 106 | -.325 | .140 | .178 | -.825 | 90 | 217 | -.581 | .340 | .358 | -.3.133 |
| 75 | 903 | -.123 | .275 | 1.941 | -1.914 | 90 | 107 | -.332 | .125 | .102 | -.757 | 90 | 218 | -.727 | .323 | .282 | -.2.000 |
| 75 | 904 | -.364 | .202 | 1.294 | -1.233 | 90 | 108 | -.330 | .127 | .119 | -.853 | 90 | 219 | -.790 | .296 | .449 | -.1.165 |
| 75 | 905 | -.343 | .182 | 1.053 | -2.367 | 90 | 109 | -.330 | .127 | .146 | -.771 | 90 | 220 | -.166 | .179 | .350 | -.1.165 |
| 75 | 906 | -.825 | .221 | 1.073 | -1.776 | 90 | 110 | -.317 | .130 | .142 | -.805 | 90 | 221 | -.194 | .163 | .296 | -.1.310 |
| 75 | 907 | -.016 | .238 | 1.149 | -1.900 | 90 | 111 | -.335 | .120 | .087 | -.730 | 90 | 222 | -.208 | .173 | .389 | -.1.910 |
| 75 | 908 | -.866 | .227 | 1.115 | -1.680 | 90 | 112 | -.340 | .128 | .124 | -.863 | 90 | 223 | -.212 | .210 | .496 | -.1.957 |
| 75 | 909 | -.929 | .315 | 1.049 | -2.253 | 90 | 113 | -.341 | .113 | .024 | -.734 | 90 | 224 | -.270 | .200 | .387 | -.1.995 |
| 75 | 910 | -.202 | .184 | 1.308 | -.993 | 90 | 114 | -.350 | .122 | .093 | -.763 | 90 | 225 | -.407 | .252 | .383 | -.1.361 |
| 75 | 911 | -.428 | .164 | 1.068 | -1.171 | 90 | 115 | -.305 | .129 | .120 | -1.047 | 90 | 226 | -.530 | .271 | .391 | -.1.604 |
| 75 | 912 | -.816 | .238 | 1.045 | -1.742 | 90 | 116 | -.303 | .137 | .273 | -.711 | 90 | 227 | -.698 | .282 | .342 | -.1.767 |
| 75 | 913 | -.113 | .247 | 1.805 | -1.399 | 90 | 117 | -.263 | .121 | .155 | -.693 | 90 | 228 | -.778 | .266 | .325 | -.1.731 |
| 75 | 914 | -.368 | .180 | 1.219 | -1.518 | 90 | 118 | -.264 | .133 | .187 | -.720 | 90 | 229 | -.344 | .152 | .139 | -.1.091 |
| 75 | 915 | -.554 | .176 | 1.027 | -1.346 | 90 | 119 | -.264 | .129 | .144 | -.734 | 90 | 230 | -.243 | .149 | .411 | -.1.758 |
| 75 | 916 | -.850 | .242 | 1.078 | -1.932 | 90 | 120 | -.285 | .135 | .182 | -.734 | 90 | 231 | -.211 | .164 | .334 | -.1.821 |
| 75 | 917 | -.947 | .267 | 1.072 | -1.926 | 90 | 121 | -.281 | .126 | .144 | -.842 | 90 | 232 | -.230 | .175 | .405 | -.1.968 |
| 75 | 918 | -.728 | .212 | 1.215 | -1.769 | 90 | 122 | -.265 | .133 | .207 | -.734 | 90 | 233 | -.298 | .193 | .318 | -.1.479 |
| 75 | 919 | -.893 | .291 | 1.098 | -1.942 | 90 | 123 | -.267 | .136 | .209 | -.787 | 90 | 234 | -.430 | .242 | .293 | -.1.357 |
| 75 | 920 | -.301 | .152 | 1.224 | -.638 | 90 | 124 | -.268 | .131 | .185 | -.751 | 90 | 235 | -.541 | .267 | .277 | -.1.606 |
| 75 | 921 | -.387 | .155 | 1.209 | -1.072 | 90 | 125 | -.226 | .130 | .246 | -.804 | 90 | 236 | -.712 | .273 | .119 | -.1.756 |
| 75 | 922 | -.580 | .244 | 1.151 | -2.024 | 90 | 126 | -.244 | .121 | .127 | -.684 | 90 | 237 | -.819 | .291 | .320 | -.1.950 |
| 75 | 923 | -.069 | .226 | 1.259 | -.793 | 90 | 127 | -.206 | .150 | .291 | -.736 | 90 | 238 | -.160 | .153 | .279 | -.1.958 |
| 75 | 924 | -.261 | .176 | 1.332 | -.948 | 90 | 128 | -.203 | .154 | .313 | -.751 | 90 | 239 | -.188 | .155 | .389 | -.1.939 |
| 75 | 925 | -.364 | .160 | 1.130 | -1.001 | 90 | 129 | -.204 | .147 | .301 | -.742 | 90 | 240 | -.212 | .170 | .304 | -.1.109 |
| 75 | 926 | -.607 | .209 | 1.161 | -1.579 | 90 | 130 | -.222 | .128 | .236 | -.709 | 90 | 241 | -.250 | .179 | .400 | -.1.015 |
| 75 | 927 | -.867 | .200 | 1.284 | -1.813 | 90 | 131 | -.240 | .119 | .135 | -.698 | 90 | 242 | -.297 | .193 | .325 | -.1.993 |
| 75 | 928 | -.859 | .188 | 1.175 | -1.565 | 90 | 132 | -.208 | .141 | .248 | -.664 | 90 | 243 | -.404 | .230 | .193 | -.1.174 |
| 75 | 929 | -.307 | .150 | 1.202 | -.957 | 90 | 133 | -.204 | .144 | .307 | -.664 | 90 | 244 | -.560 | .275 | .182 | -.1.658 |
| 75 | 930 | -.380 | .193 | 1.223 | -.320 | 90 | 134 | -.204 | .139 | .253 | -.676 | 90 | 245 | -.664 | .256 | .320 | -.2.651 |

| WD | TAP | CPNEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPNEAN | CPRMS | CPMAX | CPMIN |
|----|------|--------|-------|-------|--------|----|-----|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|
| 90 | 246 | .721 | .242 | .415 | -1.720 | 90 | 304 | .384 | .144 | .072 | -.927 | 90 | 945 | .399 | .143 | .046 | -.899 |
| 90 | 247 | .178 | .144 | .246 | -.833 | 90 | 305 | .314 | .128 | .209 | -.694 | 90 | 946 | .337 | .133 | .142 | -.805 |
| 90 | 248 | .185 | .148 | .340 | -.756 | 90 | 306 | .328 | .136 | .192 | -.809 | 105 | 101 | .499 | .166 | .164 | -1.166 |
| 90 | 249 | .192 | .167 | .378 | -1.042 | 90 | 307 | .369 | .137 | .095 | -.867 | 105 | 102 | .481 | .161 | .067 | -1.048 |
| 90 | 250 | .216 | .161 | .354 | -.909 | 90 | 308 | .411 | .157 | .064 | -.885 | 105 | 103 | .456 | .142 | .008 | -.906 |
| 90 | 251 | .272 | .197 | .400 | -1.116 | 90 | 309 | .394 | .172 | .201 | -.971 | 105 | 104 | .427 | .122 | .061 | -.992 |
| 90 | 252 | .335 | .220 | .229 | -1.258 | 90 | 301 | .104 | .223 | .514 | -1.352 | 105 | 105 | .412 | .126 | .006 | -.803 |
| 90 | 253 | .458 | .271 | .325 | -1.313 | 90 | 302 | .279 | .232 | .593 | -1.334 | 105 | 106 | .541 | .175 | .036 | -1.166 |
| 90 | 2534 | .329 | .266 | .318 | -1.335 | 90 | 303 | .010 | .298 | 1.110 | -1.448 | 105 | 107 | .488 | .146 | .027 | -1.064 |
| 90 | 2535 | .685 | .305 | .562 | -2.127 | 90 | 304 | .181 | .214 | .595 | -1.697 | 105 | 108 | .452 | .146 | .062 | -.996 |
| 90 | 2536 | .144 | .138 | .399 | -.668 | 90 | 305 | .256 | .225 | .383 | -1.756 | 105 | 109 | .441 | .135 | .013 | -.855 |
| 90 | 2537 | .171 | .141 | .338 | -.582 | 90 | 306 | .318 | .231 | .554 | -1.804 | 105 | 110 | .410 | .114 | .075 | -.833 |
| 90 | 2538 | .196 | .154 | .467 | -.910 | 90 | 307 | .462 | .235 | .321 | -1.560 | 105 | 111 | .484 | .139 | .038 | -.917 |
| 90 | 2539 | .235 | .176 | .363 | -.935 | 90 | 308 | .550 | .240 | .232 | -1.679 | 105 | 112 | .472 | .137 | .077 | -.912 |
| 90 | 2600 | .247 | .181 | .251 | -1.269 | 90 | 309 | .766 | .278 | .464 | -1.770 | 105 | 113 | .457 | .127 | .027 | -.927 |
| 90 | 261 | .318 | .200 | .206 | -1.330 | 90 | 310 | .106 | .202 | .489 | -1.083 | 105 | 114 | .455 | .117 | .085 | -.827 |
| 90 | 262 | .357 | .227 | .324 | -1.419 | 90 | 311 | .169 | .198 | .723 | -1.058 | 105 | 115 | .518 | .169 | .025 | -1.160 |
| 90 | 263 | .520 | .289 | .469 | -1.486 | 90 | 312 | .294 | .272 | .699 | -2.042 | 105 | 116 | .514 | .146 | .090 | -1.113 |
| 90 | 264 | .610 | .287 | .671 | -1.717 | 90 | 313 | .060 | .287 | 1.184 | -1.354 | 105 | 117 | .455 | .132 | .034 | -.908 |
| 90 | 265 | .177 | .143 | .302 | -.878 | 90 | 314 | .134 | .220 | .608 | -.943 | 105 | 118 | .422 | .157 | .122 | -.973 |
| 90 | 266 | .168 | .152 | .376 | -.836 | 90 | 315 | .240 | .227 | .568 | -1.352 | 105 | 119 | .410 | .130 | .047 | -.835 |
| 90 | 267 | .179 | .147 | .295 | -.754 | 90 | 316 | .351 | .229 | .413 | -1.496 | 105 | 120 | .491 | .136 | .067 | -1.089 |
| 90 | 268 | .198 | .147 | .267 | -.854 | 90 | 317 | .417 | .215 | .278 | -1.306 | 105 | 121 | .486 | .134 | .073 | -.935 |
| 90 | 269 | .234 | .172 | .336 | -1.015 | 90 | 318 | .513 | .220 | .234 | -1.377 | 105 | 122 | .443 | .140 | .007 | -.933 |
| 90 | 270 | .280 | .199 | .266 | -1.377 | 90 | 319 | .731 | .238 | .089 | -1.453 | 105 | 123 | .429 | .143 | .024 | -.926 |
| 90 | 271 | .325 | .244 | .293 | -1.392 | 90 | 320 | .104 | .180 | .662 | -1.746 | 105 | 124 | .427 | .137 | .021 | -.914 |
| 90 | 272 | .420 | .297 | .499 | -1.511 | 90 | 321 | .142 | .208 | .591 | -.836 | 105 | 125 | .510 | .146 | .018 | -1.109 |
| 90 | 273 | .542 | .319 | .713 | -1.754 | 90 | 322 | .234 | .243 | .759 | -1.886 | 105 | 126 | .484 | .137 | .014 | -.906 |
| 90 | 301 | .893 | .319 | .435 | -2.111 | 90 | 323 | .026 | .230 | 1.088 | -.955 | 105 | 127 | .409 | .144 | .106 | -.917 |
| 90 | 302 | .936 | .361 | .548 | -2.456 | 90 | 324 | .169 | .200 | .842 | -.817 | 105 | 128 | .388 | .149 | .111 | -.922 |
| 90 | 303 | .889 | .269 | .069 | -1.873 | 90 | 325 | .239 | .199 | 1.003 | -.974 | 105 | 129 | .377 | .144 | .158 | -.892 |
| 90 | 304 | .910 | .350 | 1.139 | -3.031 | 90 | 326 | .353 | .189 | .457 | -.947 | 105 | 130 | .502 | .141 | .018 | -1.050 |
| 90 | 305 | .841 | .275 | .237 | -1.875 | 90 | 327 | .415 | .163 | .050 | -.955 | 105 | 131 | .473 | .124 | .081 | -.921 |
| 90 | 306 | .892 | .339 | .367 | -3.099 | 90 | 328 | .426 | .164 | .102 | -1.018 | 105 | 132 | .428 | .133 | .009 | -.932 |
| 90 | 307 | .844 | .285 | .382 | -1.875 | 90 | 329 | .179 | .163 | .419 | -.819 | 105 | 133 | .409 | .136 | .048 | -.873 |
| 90 | 308 | .925 | .340 | .512 | -2.984 | 90 | 330 | .179 | .188 | .819 | -1.051 | 105 | 134 | .395 | .133 | .047 | -.878 |
| 90 | 309 | .800 | .316 | .535 | -1.813 | 90 | 331 | .193 | .221 | .797 | -1.220 | 105 | 135 | .456 | .146 | .051 | -1.075 |
| 90 | 310 | .920 | .368 | .426 | -2.484 | 90 | 332 | .067 | .208 | .913 | -.633 | 105 | 136 | .440 | .141 | .057 | -1.005 |
| 90 | 311 | .622 | .397 | .984 | -1.820 | 90 | 333 | .159 | .174 | .478 | -.980 | 105 | 137 | .412 | .146 | .102 | -.930 |
| 90 | 312 | .810 | .455 | .795 | -3.139 | 90 | 334 | .286 | .173 | .438 | -.949 | 105 | 138 | .404 | .151 | .121 | -.901 |
| 90 | 313 | .460 | .418 | .865 | -1.597 | 90 | 335 | .391 | .158 | .209 | -.893 | 105 | 139 | .399 | .147 | .108 | -.908 |
| 90 | 314 | .561 | .459 | .912 | -2.219 | 90 | 336 | .428 | .144 | .050 | -1.145 | 105 | 201 | .314 | .152 | .162 | -.876 |
| 90 | 401 | .048 | .328 | 1.193 | -.908 | 90 | 337 | .376 | .143 | .064 | -.951 | 105 | 202 | .258 | .145 | .196 | -1.075 |
| 90 | 402 | .026 | .349 | 1.544 | -1.074 | 90 | 338 | .236 | .162 | .442 | -1.023 | 105 | 203 | .296 | .212 | .543 | -1.180 |
| 90 | 403 | .048 | .349 | 1.040 | -1.077 | 90 | 339 | .197 | .182 | .343 | -1.064 | 105 | 204 | .507 | .195 | .252 | -1.201 |
| 90 | 404 | .083 | .226 | .898 | -1.189 | 90 | 340 | .246 | .209 | .577 | -1.276 | 105 | 205 | .506 | .234 | .588 | -1.538 |
| 90 | 405 | .132 | .211 | .712 | -1.263 | 90 | 341 | .133 | .200 | .706 | -.884 | 105 | 206 | .849 | .363 | .503 | -2.277 |
| 90 | 501 | .348 | .145 | .091 | -.871 | 90 | 342 | .223 | .195 | .731 | -1.122 | 105 | 207 | .556 | .194 | .255 | -1.646 |
| 90 | 502 | .377 | .150 | .111 | -.929 | 90 | 343 | .292 | .188 | .305 | -1.244 | 105 | 208 | .706 | .314 | .667 | -1.892 |
| 90 | 503 | .380 | .153 | .028 | -.933 | 90 | 344 | .381 | .158 | 1.194 | -1.056 | 105 | 209 | .824 | .333 | .174 | -2.593 |

| WD | TAP | CPNEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPNEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPNEAN | CPRMS | CPMAX | CPMIN |
|-----|-----|--------|-------|-------|-------|-----|-----|--------|-------|-------|-------|-----|-----|--------|-------|-------|-------|
| 105 | 210 | 201 | 136 | 277 | 691 | 105 | 260 | 137 | 132 | 411 | 603 | 105 | 909 | 821 | 136 | 399 | 420 |
| 105 | 211 | 161 | 135 | 261 | 689 | 105 | 261 | 131 | 148 | 393 | 656 | 105 | 910 | 104 | 166 | 491 | 790 |
| 105 | 212 | 141 | 147 | 401 | 709 | 105 | 262 | 146 | 156 | 380 | 902 | 105 | 911 | 122 | 186 | 518 | 782 |
| 105 | 213 | 172 | 157 | 363 | 257 | 105 | 263 | 423 | 302 | 503 | 617 | 105 | 912 | 129 | 220 | 611 | 219 |
| 105 | 214 | 234 | 161 | 370 | 845 | 105 | 264 | 549 | 257 | 295 | 870 | 105 | 913 | 048 | 208 | 678 | 714 |
| 105 | 215 | 424 | 158 | 158 | 147 | 105 | 265 | 245 | 144 | 270 | 764 | 105 | 914 | 231 | 197 | 635 | 814 |
| 105 | 216 | 460 | 157 | 090 | 131 | 105 | 266 | 243 | 129 | 128 | 658 | 105 | 915 | 421 | 186 | 238 | 050 |
| 105 | 217 | 443 | 168 | 097 | 054 | 105 | 267 | 177 | 134 | 240 | 652 | 105 | 916 | 602 | 194 | 156 | 310 |
| 105 | 218 | 499 | 262 | 198 | 919 | 105 | 268 | 159 | 123 | 316 | 616 | 105 | 917 | 710 | 161 | 250 | 398 |
| 105 | 219 | 689 | 372 | 577 | 351 | 105 | 269 | 127 | 133 | 273 | 670 | 105 | 918 | 752 | 178 | 009 | 373 |
| 105 | 220 | 136 | 132 | 320 | 606 | 105 | 270 | 121 | 132 | 418 | 643 | 105 | 919 | 861 | 179 | 239 | 582 |
| 105 | 221 | 188 | 144 | 280 | 716 | 105 | 271 | 108 | 168 | 458 | 761 | 105 | 920 | 082 | 163 | 451 | 664 |
| 105 | 222 | 165 | 140 | 251 | 716 | 105 | 272 | 353 | 247 | 543 | 372 | 105 | 921 | 076 | 191 | 594 | 870 |
| 105 | 223 | 156 | 136 | 276 | 650 | 105 | 273 | 434 | 228 | 640 | 442 | 105 | 922 | 143 | 292 | 684 | 282 |
| 105 | 224 | 176 | 139 | 347 | 879 | 105 | 301 | 808 | 185 | 273 | 716 | 105 | 923 | 150 | 266 | 339 | 610 |
| 105 | 225 | 219 | 143 | 260 | 147 | 105 | 302 | 819 | 200 | 128 | 860 | 105 | 924 | 042 | 224 | 739 | 835 |
| 105 | 226 | 240 | 166 | 365 | 828 | 105 | 303 | 815 | 163 | 341 | 347 | 105 | 925 | 286 | 214 | 451 | 941 |
| 105 | 227 | 397 | 315 | 460 | 419 | 105 | 304 | 816 | 176 | 241 | 588 | 105 | 926 | 576 | 197 | 168 | 385 |
| 105 | 228 | 575 | 424 | 593 | 234 | 105 | 305 | 806 | 166 | 180 | 559 | 105 | 927 | 673 | 162 | 178 | 218 |
| 105 | 229 | 483 | 136 | 036 | 005 | 105 | 306 | 770 | 168 | 282 | 439 | 105 | 928 | 531 | 151 | 026 | 140 |
| 105 | 230 | 288 | 139 | 228 | 795 | 105 | 307 | 796 | 165 | 323 | 410 | 105 | 929 | 245 | 138 | 292 | 845 |
| 105 | 231 | 191 | 128 | 433 | 652 | 105 | 308 | 777 | 188 | 252 | 575 | 105 | 930 | 240 | 176 | 375 | 017 |
| 105 | 232 | 162 | 138 | 353 | 653 | 105 | 309 | 753 | 209 | 222 | 983 | 105 | 931 | 365 | 296 | 429 | 510 |
| 105 | 233 | 143 | 136 | 296 | 745 | 105 | 310 | 764 | 219 | 223 | 709 | 105 | 932 | 023 | 222 | 899 | 736 |
| 105 | 234 | 150 | 140 | 342 | 732 | 105 | 311 | 747 | 221 | 196 | 787 | 105 | 933 | 102 | 202 | 670 | 722 |
| 105 | 235 | 166 | 167 | 414 | 078 | 105 | 312 | 770 | 220 | 191 | 761 | 105 | 934 | 229 | 216 | 699 | 011 |
| 105 | 236 | 332 | 278 | 454 | 753 | 105 | 313 | 708 | 267 | 009 | 584 | 105 | 935 | 584 | 198 | 131 | 326 |
| 105 | 237 | 472 | 419 | 588 | 468 | 105 | 314 | 754 | 247 | 040 | 250 | 105 | 936 | 719 | 168 | 186 | 361 |
| 105 | 238 | 200 | 135 | 277 | 718 | 105 | 401 | 122 | 224 | 687 | 189 | 105 | 937 | 518 | 159 | 095 | 089 |
| 105 | 239 | 214 | 141 | 338 | 699 | 105 | 402 | 099 | 280 | 886 | 233 | 105 | 938 | 358 | 133 | 047 | 899 |
| 105 | 240 | 182 | 128 | 177 | 630 | 105 | 403 | 140 | 286 | 186 | 890 | 105 | 939 | 301 | 156 | 265 | 806 |
| 105 | 241 | 164 | 127 | 242 | 619 | 105 | 404 | 036 | 219 | 863 | 689 | 105 | 940 | 470 | 244 | 439 | 497 |
| 105 | 242 | 148 | 136 | 249 | 603 | 105 | 405 | 084 | 201 | 658 | 939 | 105 | 941 | 069 | 179 | 653 | 734 |
| 105 | 243 | 145 | 145 | 550 | 154 | 105 | 501 | 689 | 157 | 209 | 227 | 105 | 942 | 166 | 181 | 576 | 048 |
| 105 | 244 | 171 | 167 | 371 | 877 | 105 | 502 | 624 | 150 | 150 | 093 | 105 | 943 | 260 | 180 | 461 | 870 |
| 105 | 245 | 369 | 306 | 442 | 483 | 105 | 503 | 618 | 148 | 116 | 126 | 105 | 944 | 543 | 201 | 205 | 275 |
| 105 | 246 | 629 | 310 | 403 | 153 | 105 | 504 | 632 | 164 | 098 | 270 | 105 | 945 | 805 | 167 | 249 | 424 |
| 105 | 247 | 243 | 133 | 160 | 732 | 105 | 505 | 576 | 133 | 092 | 034 | 105 | 946 | 580 | 149 | 053 | 103 |
| 105 | 248 | 222 | 127 | 217 | 755 | 105 | 506 | 515 | 162 | 077 | 229 | 120 | 101 | 644 | 160 | 147 | 254 |
| 105 | 249 | 181 | 130 | 224 | 823 | 105 | 507 | 497 | 157 | 215 | 030 | 120 | 102 | 609 | 140 | 097 | 097 |
| 105 | 250 | 163 | 137 | 264 | 734 | 105 | 508 | 477 | 163 | 215 | 109 | 120 | 103 | 602 | 144 | 155 | 161 |
| 105 | 251 | 142 | 132 | 284 | 598 | 105 | 509 | 516 | 183 | 238 | 081 | 120 | 104 | 581 | 149 | 048 | 115 |
| 105 | 252 | 130 | 142 | 354 | 717 | 105 | 901 | 260 | 184 | 361 | 994 | 120 | 105 | 527 | 144 | 087 | 157 |
| 105 | 253 | 156 | 169 | 409 | 808 | 105 | 902 | 203 | 206 | 721 | 483 | 120 | 106 | 688 | 164 | 035 | 235 |
| 105 | 254 | 403 | 288 | 351 | 838 | 105 | 903 | 143 | 195 | 469 | 963 | 120 | 107 | 647 | 150 | 190 | 164 |
| 105 | 255 | 584 | 313 | 288 | 824 | 105 | 904 | 382 | 178 | 416 | 975 | 120 | 108 | 580 | 136 | 130 | 024 |
| 105 | 256 | 222 | 143 | 244 | 793 | 105 | 905 | 451 | 182 | 556 | 247 | 120 | 109 | 572 | 137 | 116 | 063 |
| 105 | 257 | 241 | 130 | 220 | 714 | 105 | 906 | 618 | 185 | 311 | 406 | 120 | 110 | 564 | 143 | 026 | 053 |
| 105 | 258 | 177 | 146 | 220 | 703 | 105 | 907 | 711 | 178 | 047 | 607 | 120 | 111 | 635 | 139 | 231 | 209 |
| 105 | 259 | 166 | 145 | 322 | 670 | 105 | 908 | 757 | 163 | 307 | 345 | 120 | 112 | 620 | 142 | 203 | 055 |

| WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN |
|-----|-----|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|
| 120 | 113 | -.585 | .131 | -.124 | -.987 | 120 | 224 | -.089 | .139 | .364 | -.356 | 120 | 301 | -.770 | .142 | -.313 | -1.394 |
| 120 | 114 | -.578 | .140 | -.108 | -.934 | 120 | 225 | -.075 | .152 | .444 | -.659 | 120 | 302 | -.791 | .139 | -.396 | -1.351 |
| 120 | 115 | -.720 | .153 | -.180 | -1.353 | 120 | 226 | -.098 | .209 | .609 | -.748 | 120 | 303 | -.766 | .144 | -.289 | -1.221 |
| 120 | 116 | -.698 | .179 | -.083 | -1.357 | 120 | 227 | -.728 | .242 | .209 | -1.748 | 120 | 304 | -.766 | .134 | -.315 | -1.239 |
| 120 | 117 | -.379 | .124 | -.171 | -1.092 | 120 | 228 | -.688 | .225 | .015 | -1.712 | 120 | 305 | -.766 | .137 | -.272 | -1.262 |
| 120 | 118 | -.600 | .145 | -.047 | -1.126 | 120 | 229 | -.671 | .164 | .098 | -1.180 | 120 | 306 | -.771 | .144 | -.277 | -1.246 |
| 120 | 119 | -.577 | .139 | -.166 | -1.022 | 120 | 230 | -.337 | .132 | .069 | -.795 | 120 | 307 | -.744 | .143 | -.178 | -1.209 |
| 120 | 120 | -.684 | .165 | -.128 | -1.202 | 120 | 231 | -.143 | .140 | .267 | -.697 | 120 | 308 | -.747 | .133 | -.222 | -1.120 |
| 120 | 121 | -.661 | .152 | -.189 | -1.086 | 120 | 232 | -.063 | .129 | .374 | -.487 | 120 | 309 | -.740 | .164 | -.235 | -1.295 |
| 120 | 122 | -.621 | .130 | -.189 | -1.049 | 120 | 233 | -.007 | .128 | .499 | -.489 | 120 | 310 | -.746 | .141 | -.286 | -1.178 |
| 120 | 123 | -.600 | .131 | -.130 | -1.061 | 120 | 234 | -.023 | .150 | .495 | -.485 | 120 | 311 | -.719 | .158 | -.266 | -1.207 |
| 120 | 124 | -.374 | .122 | -.185 | -1.004 | 120 | 235 | .000 | .173 | .595 | -.944 | 120 | 312 | -.745 | .165 | -.243 | -1.431 |
| 120 | 125 | -.675 | .174 | .031 | -1.320 | 120 | 236 | -.610 | .288 | .223 | -1.746 | 120 | 313 | -.713 | .151 | -.246 | -1.269 |
| 120 | 126 | -.622 | .153 | -.089 | -1.293 | 120 | 237 | -.618 | .262 | .208 | -1.955 | 120 | 314 | -.730 | .138 | -.328 | -1.325 |
| 120 | 127 | -.582 | .146 | -.099 | -1.090 | 120 | 238 | -.280 | .132 | .159 | -1.738 | 120 | 401 | -.072 | .239 | .645 | -1.117 |
| 120 | 128 | -.546 | .147 | -.074 | -1.150 | 120 | 239 | -.230 | .129 | .183 | -.626 | 120 | 402 | -.020 | .303 | 1.053 | -1.320 |
| 120 | 129 | -.316 | .142 | -.097 | -1.049 | 120 | 240 | -.127 | .150 | .431 | -.695 | 120 | 403 | -.028 | .295 | 1.109 | -.960 |
| 120 | 130 | -.676 | .180 | -.006 | -1.380 | 120 | 241 | .050 | .145 | .404 | -.559 | 120 | 404 | -.224 | .194 | -.720 | -.929 |
| 120 | 131 | -.589 | .152 | -.151 | -1.234 | 120 | 242 | .005 | .133 | .468 | -.454 | 120 | 405 | -.201 | .206 | -.671 | -1.169 |
| 120 | 132 | -.546 | .152 | .061 | -1.045 | 120 | 243 | -.038 | .152 | .488 | -.447 | 120 | 501 | -.912 | .162 | -.416 | -1.498 |
| 120 | 133 | -.518 | .152 | .111 | -1.034 | 120 | 244 | -.041 | .209 | .653 | -.907 | 120 | 502 | -.847 | .142 | -.331 | -1.372 |
| 120 | 134 | -.490 | .138 | -.125 | -.939 | 120 | 245 | -.457 | .212 | .243 | -1.371 | 120 | 503 | -.827 | .149 | -.339 | -1.307 |
| 120 | 135 | -.652 | .198 | -.010 | -1.560 | 120 | 246 | -.463 | .209 | .053 | -1.897 | 120 | 504 | -.823 | .157 | -.197 | -1.506 |
| 120 | 136 | -.580 | .145 | -.147 | -1.275 | 120 | 247 | -.383 | .131 | .021 | -.820 | 120 | 505 | -.803 | .147 | -.232 | -1.305 |
| 120 | 137 | -.545 | .141 | -.087 | -1.117 | 120 | 248 | -.272 | .141 | .247 | -.715 | 120 | 506 | -.703 | .179 | -.004 | -1.227 |
| 120 | 138 | -.529 | .141 | -.016 | -1.014 | 120 | 249 | -.126 | .136 | .348 | -.603 | 120 | 507 | -.627 | .160 | -.062 | -1.159 |
| 120 | 139 | -.519 | .137 | -.086 | -.982 | 120 | 250 | -.068 | .132 | .393 | -.496 | 120 | 508 | -.638 | .162 | -.029 | -1.204 |
| 120 | 201 | -.432 | .154 | -.242 | -.935 | 120 | 251 | -.010 | .136 | .403 | -.503 | 120 | 509 | -.634 | .164 | -.050 | -1.142 |
| 120 | 202 | -.329 | .156 | -.204 | -.954 | 120 | 252 | -.038 | .150 | .575 | -.601 | 120 | 901 | -.437 | .186 | -.143 | -1.111 |
| 120 | 203 | -.147 | .175 | -.492 | -.840 | 120 | 253 | -.054 | .185 | .573 | -.804 | 120 | 902 | -.571 | .297 | -.180 | -1.994 |
| 120 | 204 | -.670 | .190 | -.309 | -1.291 | 120 | 254 | -.462 | .213 | .325 | -1.250 | 120 | 903 | -.155 | .184 | -.594 | -.883 |
| 120 | 205 | -.691 | .186 | -.186 | -1.403 | 120 | 255 | -.393 | .201 | .152 | -1.462 | 120 | 904 | -.424 | .162 | -.157 | -1.039 |
| 120 | 206 | -.305 | .276 | -.428 | -2.305 | 120 | 256 | -.313 | .134 | .089 | -.750 | 120 | 905 | -.526 | .176 | -.213 | -1.177 |
| 120 | 207 | -.650 | .209 | -.129 | -1.372 | 120 | 257 | -.283 | .118 | .162 | -.713 | 120 | 906 | -.688 | .163 | -.046 | -1.298 |
| 120 | 208 | -.130 | .230 | -.124 | -2.416 | 120 | 258 | -.124 | .137 | .426 | -.561 | 120 | 907 | -.743 | .138 | -.252 | -1.247 |
| 120 | 209 | -.077 | .203 | -.421 | -1.791 | 120 | 259 | -.068 | .138 | .397 | -.549 | 120 | 908 | -.745 | .127 | -.345 | -1.241 |
| 120 | 210 | -.270 | .133 | -.242 | -.743 | 120 | 260 | -.014 | .151 | .479 | -.645 | 120 | 909 | -.744 | .129 | -.286 | -1.217 |
| 120 | 211 | -.158 | .135 | -.309 | -.603 | 120 | 261 | -.036 | .153 | .562 | -.507 | 120 | 910 | -.349 | .193 | -.267 | -1.165 |
| 120 | 212 | -.094 | .155 | -.463 | -.621 | 120 | 262 | -.050 | .187 | .580 | -.815 | 120 | 911 | -.460 | .235 | -.258 | -1.406 |
| 120 | 213 | -.249 | .156 | -.210 | -.969 | 120 | 263 | -.368 | .198 | .328 | -1.137 | 120 | 912 | -.685 | .305 | -.327 | -2.747 |
| 120 | 214 | -.318 | .142 | -.194 | -.809 | 120 | 264 | -.358 | .181 | .203 | -.977 | 120 | 913 | -.636 | .263 | -.938 | -.796 |
| 120 | 215 | -.523 | .152 | -.063 | -.973 | 120 | 265 | -.334 | .140 | .230 | -.804 | 120 | 914 | -.249 | .203 | -.412 | -.930 |
| 120 | 216 | -.503 | .174 | -.053 | -1.164 | 120 | 266 | -.275 | .127 | .238 | -.716 | 120 | 915 | -.471 | .235 | -.336 | -1.394 |
| 120 | 217 | -.463 | .145 | -.145 | -1.363 | 120 | 267 | -.124 | .123 | .252 | -.520 | 120 | 916 | -.793 | .200 | -.028 | -1.542 |
| 120 | 218 | -.832 | .280 | -.124 | -1.654 | 120 | 268 | -.045 | .133 | .430 | -.509 | 120 | 917 | -.860 | .163 | -.254 | -1.636 |
| 120 | 219 | -.962 | .232 | -.107 | -2.005 | 120 | 269 | -.016 | .130 | .497 | -.442 | 120 | 918 | -.753 | .149 | -.077 | -1.254 |
| 120 | 220 | -.186 | .132 | -.230 | -.635 | 120 | 270 | -.069 | .130 | .506 | -.346 | 120 | 919 | -.907 | .140 | -.338 | -1.297 |
| 120 | 221 | -.209 | .134 | -.346 | -.674 | 120 | 271 | -.014 | .171 | .656 | -.610 | 120 | 920 | -.408 | .166 | -.165 | -1.314 |
| 120 | 222 | -.106 | .152 | -.401 | -.663 | 120 | 272 | -.327 | .206 | .327 | -1.434 | 120 | 921 | -.543 | .211 | -.098 | -1.807 |
| 120 | 223 | -.081 | .156 | -.372 | -.514 | 120 | 273 | -.303 | .203 | .316 | -1.677 | 120 | 922 | -.765 | .271 | -.135 | -2.179 |

| MD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | MD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | MD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN |
|-----|-----|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|-----|-----|--------|-------|-------|-------|
| 120 | 923 | .014 | .264 | 1.055 | .736 | 135 | 127 | .627 | .168 | .039 | -1.209 | 135 | 238 | .344 | .131 | .093 | .789 |
| 120 | 924 | .152 | .213 | .587 | .769 | 135 | 128 | .597 | .166 | .025 | -1.138 | 135 | 239 | .196 | .128 | .178 | .733 |
| 120 | 925 | .212 | .234 | .812 | .967 | 135 | 129 | .578 | .182 | .029 | -1.089 | 135 | 240 | .003 | .144 | .463 | .550 |
| 120 | 926 | .786 | .196 | .024 | -1.419 | 135 | 130 | .752 | .205 | .219 | -1.777 | 135 | 241 | .124 | .154 | .707 | .487 |
| 120 | 927 | .928 | .132 | .441 | -1.460 | 135 | 131 | .640 | .193 | .047 | -1.326 | 135 | 242 | .207 | .143 | .685 | .251 |
| 120 | 928 | .646 | .140 | .225 | -1.260 | 135 | 132 | .590 | .192 | .000 | -1.156 | 135 | 243 | .272 | .143 | .741 | .317 |
| 120 | 929 | .454 | .140 | .031 | -1.931 | 135 | 133 | .561 | .149 | .047 | -1.045 | 135 | 244 | .291 | .201 | .974 | .338 |
| 120 | 930 | .490 | .167 | .071 | -1.558 | 135 | 134 | .548 | .141 | .019 | -1.977 | 135 | 245 | .029 | .232 | .739 | .830 |
| 120 | 931 | .727 | .230 | .002 | -1.899 | 135 | 135 | .727 | .180 | .113 | -1.303 | 135 | 246 | .057 | .199 | .747 | .809 |
| 120 | 932 | .167 | .175 | .673 | .712 | 135 | 136 | .662 | .140 | .124 | -1.241 | 135 | 247 | .432 | .141 | .032 | .932 |
| 120 | 933 | .281 | .165 | .350 | .893 | 135 | 137 | .630 | .138 | .235 | -1.161 | 135 | 248 | .233 | .127 | .311 | .731 |
| 120 | 934 | .193 | .221 | .642 | .884 | 135 | 138 | .613 | .136 | .208 | -1.088 | 135 | 249 | .003 | .141 | .476 | .509 |
| 120 | 935 | .738 | .207 | .034 | -1.425 | 135 | 139 | .597 | .132 | .199 | -1.003 | 135 | 250 | .094 | .137 | .515 | .312 |
| 120 | 936 | .934 | .165 | .449 | -1.991 | 135 | 201 | .430 | .163 | .071 | -1.090 | 135 | 251 | .196 | .138 | .680 | .209 |
| 120 | 937 | .690 | .151 | .114 | -1.232 | 135 | 202 | .302 | .174 | .242 | -1.861 | 135 | 252 | .270 | .152 | .823 | .274 |
| 120 | 938 | .504 | .139 | .046 | -1.888 | 135 | 203 | .065 | .174 | .637 | -1.415 | 135 | 253 | .259 | .195 | 1.058 | .502 |
| 120 | 939 | .553 | .196 | .050 | -1.668 | 135 | 204 | .341 | .186 | .311 | -1.987 | 135 | 254 | .031 | .191 | .840 | .629 |
| 120 | 940 | .721 | .272 | .031 | -2.249 | 135 | 205 | .344 | .212 | .400 | -1.261 | 135 | 255 | .029 | .209 | .667 | .939 |
| 120 | 941 | .212 | .168 | .315 | .860 | 135 | 206 | .951 | .273 | .035 | -1.908 | 135 | 256 | .333 | .144 | .292 | .782 |
| 120 | 942 | .411 | .177 | .270 | -1.866 | 135 | 207 | .329 | .207 | .384 | -1.074 | 135 | 257 | .244 | .129 | .199 | .711 |
| 120 | 943 | .413 | .197 | .439 | .357 | 135 | 208 | .782 | .228 | .044 | -1.472 | 135 | 258 | .003 | .135 | .427 | .489 |
| 120 | 944 | .650 | .244 | .548 | .344 | 135 | 209 | .693 | .215 | .050 | -1.602 | 135 | 259 | .112 | .140 | .728 | .417 |
| 120 | 945 | .022 | .154 | .531 | .550 | 135 | 210 | .297 | .135 | .123 | -1.679 | 135 | 260 | .219 | .134 | .632 | .269 |
| 120 | 946 | .766 | .127 | .322 | -1.147 | 135 | 211 | .083 | .145 | .443 | -1.647 | 135 | 261 | .251 | .136 | .761 | .218 |
| 120 | 101 | .683 | .172 | .177 | -1.508 | 135 | 212 | .025 | .154 | .484 | -1.519 | 135 | 262 | .268 | .181 | .784 | .459 |
| 120 | 102 | .544 | .169 | .097 | -1.472 | 135 | 213 | .171 | .147 | .336 | -1.622 | 135 | 263 | .061 | .197 | .730 | .717 |
| 120 | 103 | .533 | .160 | .158 | -1.225 | 135 | 214 | .267 | .150 | .245 | -1.761 | 135 | 264 | .084 | .186 | .654 | .587 |
| 120 | 104 | .516 | .149 | .140 | -2.448 | 135 | 215 | .537 | .160 | .045 | -1.238 | 135 | 265 | .342 | .131 | .059 | .736 |
| 120 | 105 | .626 | .151 | .056 | -1.415 | 135 | 216 | .486 | .166 | .066 | -1.115 | 135 | 266 | .204 | .140 | .330 | .668 |
| 120 | 106 | .689 | .162 | .122 | -1.321 | 135 | 217 | .294 | .197 | .221 | -1.380 | 135 | 267 | .004 | .138 | .442 | .435 |
| 120 | 107 | .632 | .154 | .173 | -1.202 | 135 | 218 | .320 | .270 | .724 | -1.147 | 135 | 268 | .130 | .153 | .641 | .394 |
| 120 | 108 | .624 | .153 | .154 | -1.142 | 135 | 219 | .495 | .210 | .203 | -1.353 | 135 | 269 | .214 | .128 | .648 | .174 |
| 120 | 109 | .622 | .142 | .167 | -1.034 | 135 | 220 | .206 | .136 | .249 | -1.624 | 135 | 270 | .295 | .147 | .795 | .125 |
| 120 | 110 | .611 | .135 | .098 | -1.014 | 135 | 221 | .139 | .150 | .343 | -1.665 | 135 | 271 | .319 | .186 | 1.024 | .430 |
| 120 | 111 | .659 | .128 | .167 | -1.142 | 135 | 222 | .034 | .175 | .578 | -1.480 | 135 | 272 | .129 | .214 | .811 | .539 |
| 120 | 112 | .643 | .138 | .162 | -1.056 | 135 | 223 | .086 | .148 | .585 | -1.365 | 135 | 273 | .169 | .195 | .852 | .453 |
| 120 | 113 | .667 | .132 | .154 | -1.079 | 135 | 224 | .094 | .147 | .649 | -1.360 | 135 | 301 | .743 | .129 | .244 | .195 |
| 120 | 114 | .610 | .141 | .124 | -1.077 | 135 | 225 | .128 | .147 | .615 | -1.398 | 135 | 302 | .765 | .127 | .315 | .165 |
| 120 | 115 | .741 | .140 | .307 | -1.217 | 135 | 226 | .193 | .156 | .797 | -1.511 | 135 | 303 | .762 | .134 | .361 | .263 |
| 120 | 116 | .673 | .163 | .140 | -1.322 | 135 | 227 | .158 | .207 | .649 | -1.310 | 135 | 304 | .731 | .137 | .268 | .230 |
| 120 | 117 | .636 | .129 | .174 | -1.051 | 135 | 228 | .216 | .225 | .528 | -1.974 | 135 | 305 | .780 | .126 | .357 | .263 |
| 120 | 118 | .693 | .140 | .114 | -1.037 | 135 | 229 | .720 | .148 | .235 | -1.222 | 135 | 306 | .745 | .135 | .270 | .261 |
| 120 | 119 | .594 | .137 | .176 | -1.015 | 135 | 230 | .276 | .129 | .151 | -1.758 | 135 | 307 | .755 | .134 | .310 | .184 |
| 120 | 120 | .701 | .151 | .230 | -1.309 | 135 | 231 | .007 | .154 | .476 | -1.486 | 135 | 308 | .744 | .135 | .327 | .191 |
| 120 | 121 | .666 | .141 | .235 | -1.133 | 135 | 232 | .107 | .153 | .701 | -1.344 | 135 | 309 | .750 | .134 | .338 | .320 |
| 120 | 122 | .656 | .148 | .176 | -1.161 | 135 | 233 | .213 | .138 | .734 | -1.272 | 135 | 310 | .754 | .138 | .263 | .218 |
| 120 | 123 | .639 | .154 | .095 | -1.158 | 135 | 234 | .236 | .149 | .850 | -1.334 | 135 | 311 | .733 | .140 | .304 | .273 |
| 120 | 124 | .618 | .147 | .116 | -1.158 | 135 | 235 | .337 | .167 | .847 | -1.289 | 135 | 312 | .771 | .151 | .306 | .355 |
| 120 | 125 | .736 | .180 | .158 | -1.502 | 135 | 236 | .036 | .274 | .745 | -1.979 | 135 | 313 | .714 | .136 | .195 | .091 |
| 120 | 126 | .706 | .152 | .181 | -1.348 | 135 | 237 | .036 | .234 | .699 | -1.942 | 135 | 314 | .698 | .141 | .192 | .261 |

| MD | TAP | CPHEAN | CPRMS | CPMAX | CPMIN | MD | TAP | CPHEAN | CPRMS | CPMAX | CPMIN | MD | TAP | CPHEAN | CPRMS | CPMAX | CPMIN |
|-----|-----|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|
| 135 | 401 | 389 | 201 | 383 | -1.201 | 135 | 937 | 825 | 153 | 234 | -1.297 | 150 | 202 | 206 | 185 | 459 | -983 |
| 135 | 402 | 383 | 209 | 483 | -1.193 | 135 | 938 | 638 | 196 | 085 | -1.883 | 150 | 203 | 028 | 214 | 924 | -699 |
| 135 | 403 | 405 | 204 | 526 | -1.148 | 135 | 939 | 687 | 203 | 035 | -1.920 | 150 | 204 | 086 | 222 | 202 | -856 |
| 135 | 404 | 341 | 234 | 673 | -1.254 | 135 | 940 | 734 | 270 | 036 | -2.673 | 150 | 205 | 127 | 273 | 211 | -1.232 |
| 135 | 405 | 268 | 233 | 591 | -1.014 | 135 | 941 | 387 | 207 | 262 | -1.218 | 150 | 206 | 389 | 331 | 622 | -1.525 |
| 135 | 501 | 961 | 137 | 515 | -1.384 | 135 | 942 | 736 | 249 | 052 | -1.767 | 150 | 207 | 179 | 180 | 538 | -1.747 |
| 135 | 502 | 986 | 152 | 390 | -1.360 | 135 | 943 | 802 | 309 | 070 | -3.279 | 150 | 208 | 330 | 253 | 763 | -1.226 |
| 135 | 503 | 939 | 152 | 470 | -1.439 | 135 | 944 | 830 | 206 | 199 | -1.837 | 150 | 209 | 212 | 269 | 728 | -1.897 |
| 135 | 504 | 944 | 167 | 399 | -1.323 | 135 | 945 | 026 | 167 | 496 | -1.589 | 150 | 210 | 247 | 153 | 316 | -1.029 |
| 135 | 505 | 882 | 136 | 452 | -1.342 | 135 | 946 | 870 | 155 | 314 | -1.362 | 150 | 211 | 066 | 173 | 616 | -1.661 |
| 135 | 506 | 847 | 142 | 140 | -1.337 | 150 | 101 | 753 | 227 | 126 | -2.200 | 150 | 212 | 151 | 189 | 847 | -1.517 |
| 135 | 507 | 812 | 173 | 234 | -1.338 | 150 | 102 | 688 | 178 | 030 | -1.422 | 150 | 213 | 078 | 187 | 581 | -1.680 |
| 135 | 508 | 815 | 149 | 260 | -1.338 | 150 | 103 | 693 | 174 | 126 | -1.375 | 150 | 214 | 165 | 174 | 416 | -1.791 |
| 135 | 509 | 822 | 140 | 358 | -1.305 | 150 | 104 | 689 | 155 | 061 | -1.633 | 150 | 215 | 449 | 178 | 260 | -1.057 |
| 135 | 901 | 658 | 167 | 017 | -1.368 | 150 | 105 | 678 | 161 | 061 | -1.302 | 150 | 216 | 428 | 191 | 161 | -1.217 |
| 135 | 902 | 678 | 202 | 121 | -1.389 | 150 | 106 | 743 | 204 | 130 | -1.932 | 150 | 217 | 144 | 182 | 592 | -1.671 |
| 135 | 903 | 392 | 174 | 318 | -1.983 | 150 | 107 | 735 | 212 | 104 | -1.673 | 150 | 218 | 170 | 235 | 882 | -1.009 |
| 135 | 904 | 623 | 184 | 088 | -1.337 | 150 | 108 | 668 | 156 | 166 | -1.281 | 150 | 219 | 130 | 164 | 956 | -1.829 |
| 135 | 905 | 586 | 214 | 188 | -1.334 | 150 | 109 | 675 | 151 | 237 | -1.340 | 150 | 220 | 163 | 147 | 505 | -1.654 |
| 135 | 906 | 766 | 194 | 001 | -1.482 | 150 | 110 | 665 | 134 | 217 | -1.111 | 150 | 221 | 065 | 186 | 660 | -1.537 |
| 135 | 907 | 837 | 157 | 262 | -1.333 | 150 | 111 | 670 | 147 | 147 | -1.244 | 150 | 222 | 234 | 197 | 922 | -1.508 |
| 135 | 908 | 782 | 144 | 278 | -1.333 | 150 | 112 | 692 | 153 | 093 | -1.304 | 150 | 223 | 306 | 196 | 025 | -1.323 |
| 135 | 909 | 784 | 141 | 336 | -1.293 | 150 | 113 | 703 | 154 | 247 | -1.338 | 150 | 224 | 299 | 201 | 924 | -1.321 |
| 135 | 910 | 357 | 173 | 064 | -1.360 | 150 | 114 | 669 | 145 | 262 | -1.214 | 150 | 225 | 363 | 194 | 960 | -1.287 |
| 135 | 911 | 650 | 158 | 074 | -1.355 | 150 | 115 | 754 | 198 | 050 | -1.820 | 150 | 226 | 431 | 184 | 999 | -1.162 |
| 135 | 912 | 802 | 214 | 018 | -1.985 | 150 | 116 | 722 | 167 | 164 | -1.334 | 150 | 227 | 431 | 252 | 250 | -1.527 |
| 135 | 913 | 394 | 209 | 416 | -1.942 | 150 | 117 | 661 | 163 | 082 | -1.321 | 150 | 228 | 370 | 234 | 112 | -1.515 |
| 135 | 914 | 328 | 187 | 092 | -1.243 | 150 | 118 | 636 | 135 | 145 | -1.128 | 150 | 229 | 709 | 168 | 140 | -1.460 |
| 135 | 915 | 506 | 239 | 446 | -1.261 | 150 | 119 | 626 | 143 | 164 | -1.130 | 150 | 230 | 115 | 151 | 414 | -1.568 |
| 135 | 916 | 797 | 212 | 108 | -1.497 | 150 | 120 | 749 | 215 | 182 | -1.775 | 150 | 231 | 254 | 181 | 823 | -1.353 |
| 135 | 917 | 586 | 155 | 411 | -1.443 | 150 | 121 | 714 | 166 | 221 | -1.536 | 150 | 232 | 370 | 181 | 228 | -1.068 |
| 135 | 918 | 798 | 145 | 288 | -1.232 | 150 | 122 | 678 | 147 | 214 | -1.263 | 150 | 233 | 475 | 171 | 130 | -1.668 |
| 135 | 919 | 819 | 127 | 375 | -1.253 | 150 | 123 | 658 | 146 | 195 | -1.185 | 150 | 234 | 563 | 180 | 275 | -1.003 |
| 135 | 920 | 537 | 175 | 047 | -1.293 | 150 | 124 | 644 | 136 | 210 | -1.113 | 150 | 235 | 555 | 205 | 175 | -1.207 |
| 135 | 921 | 605 | 165 | 104 | -1.233 | 150 | 125 | 745 | 260 | 101 | -1.710 | 150 | 236 | 631 | 231 | 505 | -1.565 |
| 135 | 922 | 770 | 247 | 001 | -1.830 | 150 | 126 | 742 | 192 | 248 | -1.522 | 150 | 237 | 492 | 236 | 150 | -1.565 |
| 135 | 923 | 390 | 194 | 400 | -1.127 | 150 | 127 | 658 | 156 | 179 | -1.200 | 150 | 238 | 345 | 154 | 102 | -1.843 |
| 135 | 924 | 496 | 174 | 309 | -1.186 | 150 | 128 | 637 | 150 | 141 | -1.165 | 150 | 239 | 073 | 149 | 408 | -1.627 |
| 135 | 925 | 442 | 195 | 584 | -1.184 | 150 | 129 | 614 | 146 | 171 | -1.105 | 150 | 240 | 212 | 167 | 879 | -1.327 |
| 135 | 926 | 743 | 202 | 613 | -1.479 | 150 | 130 | 688 | 233 | 039 | -1.810 | 150 | 241 | 355 | 155 | 879 | -1.141 |
| 135 | 927 | 381 | 166 | 377 | -1.574 | 150 | 131 | 727 | 209 | 158 | -1.776 | 150 | 242 | 461 | 176 | 040 | -1.087 |
| 135 | 928 | 814 | 190 | 312 | -1.402 | 150 | 132 | 672 | 159 | 125 | -1.282 | 150 | 243 | 542 | 168 | 250 | -1.027 |
| 135 | 929 | 620 | 195 | 077 | -1.345 | 150 | 133 | 643 | 157 | 077 | -1.238 | 150 | 244 | 569 | 189 | 192 | -1.024 |
| 135 | 930 | 828 | 199 | 013 | -1.748 | 150 | 134 | 621 | 152 | 062 | -1.118 | 150 | 245 | 550 | 223 | 213 | -1.272 |
| 135 | 931 | 789 | 265 | 025 | -2.000 | 150 | 135 | 715 | 180 | 174 | -1.503 | 150 | 246 | 496 | 210 | 020 | -1.251 |
| 135 | 932 | 354 | 188 | 317 | -1.233 | 150 | 136 | 721 | 177 | 219 | -1.702 | 150 | 247 | 441 | 148 | 089 | -1.057 |
| 135 | 933 | 520 | 179 | 070 | -1.233 | 150 | 137 | 638 | 150 | 112 | -1.143 | 150 | 248 | 122 | 159 | 489 | -1.713 |
| 135 | 934 | 543 | 182 | 191 | -1.253 | 150 | 138 | 617 | 145 | 064 | -1.112 | 150 | 249 | 177 | 155 | 765 | -1.304 |
| 135 | 935 | 706 | 193 | 104 | -1.253 | 150 | 139 | 608 | 143 | 101 | -1.074 | 150 | 250 | 308 | 155 | 917 | -1.193 |
| 135 | 936 | 013 | 165 | 521 | -1.366 | 150 | 201 | 379 | 187 | 338 | -1.000 | 150 | 251 | 430 | 164 | 969 | -1.120 |

| WD | TAP | CPNEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPNEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPNEAN | CPRMS | CPMAX | CPMIN |
|-----|-----|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|
| 150 | 252 | .429 | .176 | 1.082 | -.171 | 150 | 901 | -.673 | .189 | -.097 | -1.739 | 165 | 105 | -.761 | .233 | -.004 | -1.824 |
| 150 | 253 | .527 | .172 | 1.108 | -.122 | 150 | 902 | -.626 | .233 | -.006 | -1.846 | 165 | 106 | -.737 | .227 | -.008 | -1.975 |
| 150 | 254 | .412 | .217 | 1.134 | -.293 | 150 | 903 | -.481 | .187 | -.206 | -1.115 | 165 | 107 | -.730 | .234 | -.180 | -1.936 |
| 150 | 255 | .426 | .195 | 1.064 | -.341 | 150 | 904 | -.611 | .185 | -.057 | -1.446 | 165 | 108 | -.667 | .173 | -.140 | -1.334 |
| 150 | 256 | .316 | .148 | .191 | -.836 | 150 | 905 | -.636 | .193 | -.042 | -1.296 | 165 | 109 | -.710 | .215 | -.156 | -1.509 |
| 150 | 257 | .141 | .130 | .273 | -.627 | 150 | 906 | -.715 | .221 | -.037 | -1.489 | 165 | 110 | -.694 | .176 | -.215 | -1.728 |
| 150 | 258 | .149 | .139 | .712 | -.398 | 150 | 907 | -.858 | .182 | -.321 | -1.627 | 165 | 111 | -.749 | .238 | -.117 | -1.604 |
| 150 | 259 | .301 | .149 | .808 | -.124 | 150 | 908 | -.887 | .201 | -.296 | -1.633 | 165 | 112 | -.712 | .176 | -.133 | -1.463 |
| 150 | 260 | .395 | .149 | 1.016 | -.124 | 150 | 909 | -.785 | .132 | -.225 | -1.409 | 165 | 113 | -.647 | .171 | -.133 | -1.310 |
| 150 | 261 | .441 | .145 | 1.074 | -.060 | 150 | 910 | -.627 | .191 | -.065 | -1.411 | 165 | 114 | -.707 | .186 | -.147 | -1.525 |
| 150 | 262 | .536 | .153 | 1.025 | -.107 | 150 | 911 | -.663 | .186 | -.070 | -1.458 | 165 | 115 | -.785 | .239 | -.098 | -2.333 |
| 150 | 263 | .449 | .167 | 1.130 | -.043 | 150 | 912 | -.729 | .226 | -.069 | -1.836 | 165 | 116 | -.749 | .209 | -.213 | -1.724 |
| 150 | 264 | .389 | .172 | .956 | -.193 | 150 | 913 | -.474 | .159 | -.174 | -1.174 | 165 | 117 | -.711 | .197 | -.132 | -1.467 |
| 150 | 265 | .312 | .136 | .208 | -.790 | 150 | 914 | -.644 | .169 | -.061 | -1.663 | 165 | 118 | -.672 | .181 | -.107 | -1.282 |
| 150 | 266 | .096 | .146 | .328 | -.576 | 150 | 915 | -.647 | .176 | -.065 | -1.444 | 165 | 119 | -.704 | .161 | -.207 | -1.365 |
| 150 | 267 | .297 | .150 | .782 | -.315 | 150 | 916 | -.659 | .209 | -.391 | -1.444 | 165 | 120 | -.760 | .259 | -.016 | -2.922 |
| 150 | 268 | .356 | .165 | .997 | -.135 | 150 | 917 | -.870 | .179 | -.219 | -1.616 | 165 | 121 | -.764 | .235 | -.121 | -1.877 |
| 150 | 269 | .431 | .167 | .956 | -.147 | 150 | 918 | -.859 | .172 | -.356 | -1.438 | 165 | 122 | -.749 | .208 | -.026 | -1.518 |
| 150 | 270 | .522 | .155 | 1.050 | -.056 | 150 | 919 | -.841 | .157 | -.270 | -1.420 | 165 | 123 | -.717 | .187 | -.018 | -1.332 |
| 150 | 271 | .560 | .178 | 1.160 | -.037 | 150 | 920 | -.676 | .202 | -.112 | -1.527 | 165 | 124 | -.686 | .176 | -.084 | -1.322 |
| 150 | 272 | .496 | .193 | 1.097 | -.175 | 150 | 921 | -.710 | .191 | -.057 | -1.448 | 165 | 125 | -.810 | .283 | -.102 | -2.053 |
| 150 | 273 | .499 | .187 | 1.135 | -.229 | 150 | 922 | -.765 | .241 | -.091 | -1.921 | 165 | 126 | -.728 | .234 | -.093 | -2.377 |
| 150 | 301 | .739 | .122 | -.210 | -1.208 | 150 | 923 | -.502 | .216 | -.389 | -1.303 | 165 | 127 | -.764 | .204 | -.165 | -1.651 |
| 150 | 302 | .713 | .131 | -.303 | -1.204 | 150 | 924 | -.639 | .198 | -.069 | -1.702 | 165 | 128 | -.710 | .180 | -.152 | -1.275 |
| 150 | 303 | .724 | .133 | -.211 | -1.262 | 150 | 925 | -.669 | .203 | -.004 | -1.393 | 165 | 129 | -.684 | .178 | -.169 | -1.351 |
| 150 | 304 | .709 | .135 | -.190 | -1.169 | 150 | 926 | -.745 | .185 | -.133 | -1.395 | 165 | 130 | -.770 | .312 | -.046 | -2.542 |
| 150 | 305 | .747 | .151 | -.217 | -1.227 | 150 | 927 | -.919 | .182 | -.243 | -1.512 | 165 | 131 | -.778 | .237 | -.144 | -1.769 |
| 150 | 306 | .712 | .139 | -.227 | -1.199 | 150 | 928 | -.911 | .174 | -.395 | -1.328 | 165 | 132 | -.716 | .287 | -.064 | -1.647 |
| 150 | 307 | .734 | .143 | -.315 | -1.199 | 150 | 929 | -.728 | .210 | -.063 | -1.396 | 165 | 133 | -.682 | .198 | -.095 | -1.812 |
| 150 | 308 | .718 | .132 | -.253 | -1.198 | 150 | 930 | -.728 | .208 | -.045 | -1.665 | 165 | 134 | -.682 | .183 | -.169 | -1.714 |
| 150 | 309 | .711 | .137 | -.239 | -1.119 | 150 | 931 | -.788 | .260 | -.138 | -2.407 | 165 | 135 | -.815 | .289 | -.133 | -2.702 |
| 150 | 310 | .693 | .141 | -.257 | -1.159 | 150 | 932 | -.496 | .222 | -.313 | -1.203 | 165 | 136 | -.726 | .234 | -.117 | -2.094 |
| 150 | 311 | .734 | .155 | -.225 | -1.233 | 150 | 933 | -.648 | .204 | -.121 | -1.622 | 165 | 137 | -.684 | .209 | -.019 | -1.776 |
| 150 | 312 | .726 | .143 | -.270 | -1.256 | 150 | 934 | -.741 | .267 | -.065 | -2.140 | 165 | 138 | -.669 | .196 | -.026 | -1.407 |
| 150 | 313 | .709 | .142 | -.231 | -1.207 | 150 | 935 | -.896 | .216 | -.160 | -1.778 | 165 | 139 | -.673 | .192 | -.050 | -1.556 |
| 150 | 314 | .712 | .140 | -.275 | -1.183 | 150 | 936 | -.966 | .176 | -.368 | -1.303 | 165 | 201 | -.307 | .174 | -.436 | -.940 |
| 150 | 401 | .450 | .265 | -.230 | -1.344 | 150 | 937 | -.866 | .150 | -.368 | -1.413 | 165 | 202 | -.114 | .179 | -.459 | -.682 |
| 150 | 402 | .461 | .210 | -.419 | -1.546 | 150 | 938 | -.776 | .216 | -.122 | -1.881 | 165 | 203 | .073 | .213 | -.874 | -.612 |
| 150 | 403 | .451 | .242 | -.622 | -1.357 | 150 | 939 | -.742 | .199 | -.004 | -1.935 | 165 | 204 | .166 | .220 | 1.136 | -.827 |
| 150 | 404 | .490 | .228 | -.447 | -1.151 | 150 | 940 | -.786 | .219 | -.203 | -2.685 | 165 | 205 | .459 | .211 | 1.295 | -.585 |
| 150 | 405 | .503 | .248 | -.472 | -1.241 | 150 | 941 | -.550 | .216 | -.178 | -1.272 | 165 | 206 | .197 | .312 | 1.206 | -.226 |
| 150 | 501 | .972 | .144 | -.489 | -1.509 | 150 | 942 | -.856 | .248 | -.012 | -1.900 | 165 | 207 | -.144 | .200 | .519 | -.877 |
| 150 | 502 | .922 | .159 | -.343 | -1.531 | 150 | 943 | -.086 | .394 | -.014 | -2.933 | 165 | 208 | .156 | .273 | 1.102 | -1.126 |
| 150 | 503 | .992 | .174 | -.378 | -1.692 | 150 | 944 | -.073 | .360 | -.209 | -3.717 | 165 | 209 | .086 | .259 | .835 | -.863 |
| 150 | 504 | .051 | .202 | -.361 | -1.737 | 150 | 945 | -.042 | .182 | -.473 | -1.841 | 165 | 210 | -.183 | .147 | .403 | -.661 |
| 150 | 505 | .987 | .153 | -.524 | -1.688 | 150 | 946 | -.018 | .160 | -.466 | -1.532 | 165 | 211 | -.188 | .205 | .984 | -.458 |
| 150 | 506 | .903 | .159 | -.274 | -1.667 | 165 | 101 | -.763 | .286 | -.051 | -2.186 | 165 | 212 | .291 | .188 | .997 | -.381 |
| 150 | 507 | .886 | .170 | -.089 | -1.527 | 165 | 102 | -.714 | .262 | -.030 | -3.050 | 165 | 213 | .014 | .177 | .582 | -.585 |
| 150 | 508 | .847 | .182 | -.105 | -1.373 | 165 | 103 | -.731 | .242 | -.112 | -1.721 | 165 | 214 | -.092 | .174 | .486 | -.693 |
| 150 | 509 | .862 | .207 | -.162 | -1.548 | 165 | 104 | -.728 | .196 | -.143 | -1.907 | 165 | 215 | -.353 | .194 | .233 | -1.066 |

| WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN |
|-----|-----|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|
| 165 | 216 | -.348 | .201 | .260 | -1.081 | 165 | 266 | .028 | .154 | .313 | -.465 | 165 | 915 | -.624 | .217 | .121 | -2.611 |
| 165 | 217 | -.031 | .201 | .733 | -.730 | 165 | 267 | .392 | .163 | 1.051 | -.246 | 165 | 916 | -.676 | .208 | -.036 | -1.938 |
| 165 | 218 | .363 | .196 | .984 | -.332 | 165 | 268 | .548 | .193 | 1.227 | -.058 | 165 | 917 | -.719 | .173 | -.083 | -1.403 |
| 165 | 219 | .406 | .226 | 1.063 | -.333 | 165 | 269 | .609 | .185 | 1.229 | -.043 | 165 | 918 | -.674 | .169 | -.093 | -1.432 |
| 165 | 220 | -.091 | .144 | .320 | -.372 | 165 | 270 | .599 | .194 | 1.225 | -.007 | 165 | 919 | -.651 | .143 | -.211 | -1.193 |
| 165 | 221 | .138 | .172 | .765 | -.394 | 165 | 271 | .668 | .200 | 1.429 | .097 | 165 | 920 | -.706 | .205 | .011 | -2.090 |
| 165 | 222 | .390 | .184 | 1.001 | -.208 | 165 | 272 | .680 | .190 | 1.292 | .057 | 165 | 921 | -.700 | .192 | .104 | -1.549 |
| 165 | 223 | .444 | .194 | 1.106 | -.131 | 165 | 273 | .612 | .183 | 1.231 | -.086 | 165 | 922 | -.742 | .236 | .109 | -2.249 |
| 165 | 224 | .471 | .190 | 1.083 | -.089 | 165 | 301 | -.634 | .136 | -.155 | -1.213 | 165 | 923 | -.493 | .212 | .296 | -1.128 |
| 165 | 225 | .494 | .189 | 1.116 | -.056 | 165 | 302 | -.622 | .148 | -.130 | -1.164 | 165 | 924 | -.657 | .204 | .174 | -2.198 |
| 165 | 226 | .568 | .189 | 1.273 | -.147 | 165 | 303 | -.586 | .143 | -.133 | -1.065 | 165 | 925 | -.701 | .254 | -.030 | -2.823 |
| 165 | 227 | .657 | .207 | 1.183 | -.056 | 165 | 304 | -.628 | .146 | -.161 | -1.170 | 165 | 926 | -.807 | .232 | -.007 | -1.968 |
| 165 | 228 | .671 | .239 | 1.273 | -.093 | 165 | 305 | -.610 | .144 | -.133 | -1.208 | 165 | 927 | -.813 | .192 | -.264 | -2.032 |
| 165 | 229 | .643 | .177 | -.058 | -1.427 | 165 | 306 | -.645 | .145 | -.161 | -1.157 | 165 | 928 | -.792 | .169 | -.272 | -1.277 |
| 165 | 230 | .071 | .168 | .696 | .434 | 165 | 307 | -.612 | .164 | -.164 | -1.201 | 165 | 929 | -.763 | .210 | .111 | -1.871 |
| 165 | 231 | .411 | .200 | 1.099 | -.254 | 165 | 308 | -.659 | .148 | -.128 | -1.164 | 165 | 930 | -.744 | .187 | .035 | -1.366 |
| 165 | 232 | .516 | .181 | 1.112 | -.143 | 165 | 309 | -.581 | .147 | -.024 | -1.024 | 165 | 931 | -.747 | .241 | -.118 | -2.274 |
| 165 | 233 | .611 | .208 | 1.302 | -.078 | 165 | 310 | -.643 | .135 | -.068 | -1.191 | 165 | 932 | -.572 | .208 | .391 | -1.327 |
| 165 | 234 | .721 | .194 | 1.411 | -.101 | 165 | 311 | -.621 | .160 | -.062 | -1.173 | 165 | 933 | -.664 | .194 | .037 | -2.261 |
| 165 | 235 | .697 | .185 | 1.321 | -.180 | 165 | 312 | -.667 | .154 | -.141 | -1.232 | 165 | 934 | -.722 | .233 | .021 | -1.889 |
| 165 | 236 | .746 | .193 | 1.344 | -.145 | 165 | 313 | -.587 | .144 | -.028 | -1.063 | 165 | 935 | -.832 | .289 | .068 | -2.664 |
| 165 | 237 | .741 | .180 | 1.324 | -.146 | 165 | 314 | -.657 | .133 | -.159 | -1.122 | 165 | 936 | -.841 | .211 | -.134 | -2.989 |
| 165 | 238 | .367 | .172 | .125 | .944 | 165 | 401 | -.486 | .215 | .160 | -1.746 | 165 | 937 | -.833 | .170 | -.313 | -1.492 |
| 165 | 239 | .072 | .169 | .840 | .530 | 165 | 402 | -.468 | .221 | .438 | -1.363 | 165 | 938 | -.784 | .214 | -.075 | -1.649 |
| 165 | 240 | .408 | .171 | .943 | -.099 | 165 | 403 | -.487 | .259 | .582 | -1.465 | 165 | 939 | -.784 | .201 | -.013 | -1.716 |
| 165 | 241 | .520 | .173 | 1.106 | .038 | 165 | 404 | -.465 | .256 | .705 | -1.183 | 165 | 940 | -.786 | .200 | -.065 | -1.617 |
| 165 | 242 | .581 | .169 | 1.198 | .007 | 165 | 405 | -.572 | .241 | -.447 | -1.349 | 165 | 941 | -.604 | .220 | .318 | -1.437 |
| 165 | 243 | .637 | .174 | 1.166 | .137 | 165 | 501 | -.888 | .182 | -.159 | -1.561 | 165 | 942 | -.835 | .214 | -.243 | -2.025 |
| 165 | 244 | .716 | .185 | 1.354 | -.224 | 165 | 502 | -.892 | .219 | .133 | -2.223 | 165 | 943 | -.982 | .310 | -.203 | -2.440 |
| 165 | 245 | .741 | .213 | 1.431 | -.047 | 165 | 503 | -.978 | .228 | -.174 | -1.787 | 165 | 944 | -.078 | .439 | -.156 | -3.294 |
| 165 | 246 | .654 | .204 | 1.248 | .136 | 165 | 504 | -.999 | .236 | -.292 | -1.869 | 165 | 945 | -.931 | .244 | -.168 | -2.698 |
| 165 | 247 | .409 | .163 | .133 | -.620 | 165 | 505 | -.901 | .188 | -.374 | -1.516 | 165 | 946 | -.946 | .176 | .341 | -1.657 |
| 165 | 248 | .003 | .159 | .584 | -.378 | 165 | 506 | -.817 | .171 | -.258 | -1.523 | 180 | 101 | -.610 | .253 | .177 | -2.246 |
| 165 | 249 | .321 | .161 | .962 | -.160 | 165 | 507 | -.802 | .181 | -.186 | -1.381 | 180 | 102 | -.652 | .291 | .214 | -2.463 |
| 165 | 250 | .484 | .169 | 1.164 | .061 | 165 | 508 | -.812 | .188 | -.137 | -1.373 | 180 | 103 | -.691 | .292 | .279 | -2.372 |
| 165 | 251 | .525 | .159 | .081 | .037 | 165 | 509 | -.788 | .193 | -.169 | -1.443 | 180 | 104 | -.838 | .310 | -.021 | -2.853 |
| 165 | 252 | .555 | .170 | 1.377 | -.093 | 165 | 901 | -.662 | .210 | -.122 | -1.740 | 180 | 105 | -.010 | .304 | -.077 | -2.634 |
| 165 | 253 | .635 | .178 | 1.266 | -.093 | 165 | 902 | -.648 | .234 | -.222 | -1.606 | 180 | 106 | -.582 | .211 | -.052 | -1.691 |
| 165 | 254 | .596 | .178 | 1.308 | -.064 | 165 | 903 | -.518 | .184 | -.156 | -1.340 | 180 | 107 | -.574 | .218 | -.088 | -1.373 |
| 165 | 255 | .602 | .189 | 1.324 | -.122 | 165 | 904 | -.513 | .171 | -.056 | -1.510 | 180 | 108 | -.734 | .256 | .058 | -1.890 |
| 165 | 256 | .305 | .163 | .237 | -1.023 | 165 | 905 | -.578 | .205 | .113 | -1.518 | 180 | 109 | -.811 | .248 | .037 | -1.747 |
| 165 | 257 | .035 | .161 | .471 | -.332 | 165 | 906 | -.692 | .232 | -.086 | -1.973 | 180 | 110 | -.001 | .243 | -.110 | -1.818 |
| 165 | 258 | .337 | .159 | .870 | -.223 | 165 | 907 | -.737 | .202 | -.108 | -1.750 | 180 | 111 | -.680 | .219 | -.237 | -1.424 |
| 165 | 259 | .440 | .164 | .928 | -.068 | 165 | 908 | -.714 | .173 | -.176 | -1.324 | 180 | 112 | -.743 | .227 | .216 | -1.641 |
| 165 | 260 | .360 | .173 | 1.229 | .074 | 165 | 909 | -.610 | .146 | -.077 | -1.099 | 180 | 113 | -.910 | .259 | -.006 | -2.132 |
| 165 | 261 | .614 | .190 | 1.177 | .028 | 165 | 910 | -.621 | .198 | -.070 | -2.038 | 180 | 114 | -.041 | .245 | -.396 | -1.935 |
| 165 | 262 | .608 | .183 | 1.264 | .072 | 165 | 911 | -.657 | .190 | -.058 | -1.484 | 180 | 115 | -.802 | .319 | .086 | -2.372 |
| 165 | 263 | .605 | .186 | 1.582 | .022 | 165 | 912 | -.714 | .263 | -.136 | -2.202 | 180 | 116 | -.846 | .293 | .186 | -1.788 |
| 165 | 264 | .593 | .182 | 1.196 | .009 | 165 | 913 | -.415 | .190 | -.231 | -1.043 | 180 | 117 | -.862 | .264 | .439 | -1.768 |
| 165 | 265 | .281 | .157 | .314 | -.798 | 165 | 914 | -.567 | .189 | -.030 | -2.963 | 180 | 118 | -.939 | .276 | .026 | -2.016 |

| WD | TAP | CPHEAK | CPRNS | CPMAX | CPHIN | WD | TAP | CPHEAK | CPRNS | CPMAX | CPHIN | WD | TAP | CPHEAK | CPRNS | CPMAX | CPHIN |
|-----|-----|--------|-------|-------|--------|-----|-----|--------|-------|-------|---------|-----|-----|--------|-------|-------|--------|
| 180 | 119 | 964 | .231 | .118 | -1.734 | 180 | 230 | .153 | .191 | .681 | - .479 | 180 | 307 | .572 | .170 | .004 | -1.240 |
| 180 | 120 | 801 | .319 | .067 | -2.100 | 180 | 231 | .573 | .198 | 1.139 | - .106 | 180 | 308 | .578 | .159 | .102 | -1.347 |
| 180 | 121 | 797 | .244 | .039 | -1.731 | 180 | 232 | .660 | .186 | 1.324 | - .103 | 180 | 309 | .549 | .181 | .033 | -1.461 |
| 180 | 122 | 824 | .234 | .040 | -2.148 | 180 | 233 | .715 | .213 | 1.517 | - .122 | 180 | 310 | .595 | .176 | .052 | -1.317 |
| 180 | 123 | 922 | .244 | .100 | -1.921 | 180 | 234 | .692 | .187 | 1.340 | - .186 | 180 | 311 | .550 | .192 | .043 | -1.637 |
| 180 | 124 | 963 | .242 | .010 | -1.756 | 180 | 235 | .740 | .184 | 1.303 | - .077 | 180 | 312 | .624 | .157 | .179 | -1.225 |
| 180 | 125 | 820 | .343 | .027 | -2.534 | 180 | 236 | .693 | .187 | 1.197 | - .136 | 180 | 313 | .573 | .195 | .051 | -1.303 |
| 180 | 126 | 799 | .280 | .000 | -1.900 | 180 | 237 | .658 | .186 | 1.254 | - .024 | 180 | 314 | .590 | .181 | .010 | -1.481 |
| 180 | 127 | 793 | .231 | .034 | -1.704 | 180 | 238 | .408 | .154 | .974 | - .974 | 180 | 401 | .496 | .273 | .342 | -1.417 |
| 180 | 128 | 876 | .236 | .184 | -2.001 | 180 | 239 | .192 | .180 | .914 | - .493 | 180 | 402 | .490 | .269 | .506 | -2.096 |
| 180 | 129 | 913 | .273 | .270 | -2.276 | 180 | 240 | .543 | .169 | 1.117 | - .025 | 180 | 403 | .485 | .281 | .673 | -1.411 |
| 180 | 130 | 744 | .396 | .185 | -2.618 | 180 | 241 | .596 | .186 | 1.135 | - .049 | 180 | 404 | .635 | .265 | .555 | -1.716 |
| 180 | 131 | 763 | .281 | .043 | -1.880 | 180 | 242 | .680 | .192 | 1.297 | - .146 | 180 | 405 | .729 | .291 | .514 | -1.886 |
| 180 | 132 | 891 | .291 | .094 | -1.834 | 180 | 243 | .664 | .165 | 1.203 | - .218 | 180 | 501 | .932 | .257 | .168 | -1.933 |
| 180 | 133 | 915 | .291 | .037 | -2.324 | 180 | 244 | .712 | .168 | 1.173 | - .079 | 180 | 502 | .930 | .279 | .024 | -2.475 |
| 180 | 134 | 715 | .265 | .000 | -2.224 | 180 | 245 | .654 | .179 | 1.460 | - .160 | 180 | 503 | .892 | .262 | .053 | -1.760 |
| 180 | 135 | 684 | .308 | .025 | -1.943 | 180 | 246 | .626 | .176 | 1.260 | - .118 | 180 | 504 | .931 | .238 | .024 | -2.191 |
| 180 | 136 | 752 | .291 | .456 | -1.784 | 180 | 247 | .524 | .202 | 1.318 | - 1.233 | 180 | 505 | .878 | .219 | .249 | -1.608 |
| 180 | 137 | 893 | .266 | .180 | -1.784 | 180 | 248 | .065 | .187 | .755 | - .477 | 180 | 506 | .761 | .190 | .142 | -1.470 |
| 180 | 138 | 893 | .304 | .059 | -1.868 | 180 | 249 | .373 | .163 | .930 | - .164 | 180 | 507 | .778 | .225 | .070 | -1.446 |
| 180 | 139 | 936 | .304 | .213 | -2.446 | 180 | 250 | .532 | .172 | 1.090 | - .075 | 180 | 508 | .740 | .221 | .027 | -1.543 |
| 180 | 201 | 269 | .207 | .385 | -1.116 | 180 | 251 | .567 | .172 | 1.187 | - .118 | 180 | 509 | .753 | .222 | .067 | -1.769 |
| 180 | 202 | 068 | .196 | .615 | -1.330 | 180 | 252 | .637 | .175 | 1.217 | - .067 | 180 | 901 | .564 | .242 | .015 | -1.828 |
| 180 | 203 | 047 | .187 | .637 | -1.782 | 180 | 253 | .654 | .179 | 1.320 | - .150 | 180 | 902 | .506 | .243 | .177 | -1.425 |
| 180 | 204 | 264 | .270 | 1.629 | -1.277 | 180 | 254 | .583 | .167 | 1.102 | - .069 | 180 | 903 | .506 | .208 | .248 | -1.041 |
| 180 | 205 | 510 | .240 | 1.317 | -1.397 | 180 | 255 | .638 | .174 | 1.272 | - .128 | 180 | 904 | .487 | .179 | .214 | -1.484 |
| 180 | 206 | 403 | .310 | 1.300 | -1.996 | 180 | 256 | .365 | .180 | 1.310 | - 1.016 | 180 | 905 | .510 | .196 | .195 | -1.484 |
| 180 | 207 | 275 | .229 | .473 | -1.185 | 180 | 257 | .020 | .164 | .600 | - .534 | 180 | 906 | .589 | .243 | .108 | -2.311 |
| 180 | 208 | 288 | .222 | .058 | -1.720 | 180 | 258 | .430 | .169 | 1.034 | - .067 | 180 | 907 | .653 | .211 | .130 | -1.679 |
| 180 | 209 | 231 | .250 | 1.028 | -1.678 | 180 | 259 | .528 | .174 | 1.068 | - .003 | 180 | 908 | .685 | .202 | .073 | -1.724 |
| 180 | 210 | 204 | .192 | .447 | -1.822 | 180 | 260 | .592 | .191 | 1.157 | - .168 | 180 | 909 | .684 | .184 | .121 | -1.551 |
| 180 | 211 | 326 | .209 | .996 | -1.471 | 180 | 261 | .594 | .170 | 1.129 | - .043 | 180 | 910 | .573 | .276 | .204 | -2.475 |
| 180 | 212 | 316 | .203 | 1.046 | -1.645 | 180 | 262 | .585 | .199 | 1.127 | - .095 | 180 | 911 | .541 | .208 | .174 | -1.500 |
| 180 | 213 | 069 | .199 | .771 | -1.633 | 180 | 263 | .591 | .169 | 1.189 | - .126 | 180 | 912 | .557 | .256 | .327 | -1.951 |
| 180 | 214 | 071 | .176 | .463 | -1.682 | 180 | 264 | .599 | .161 | 1.102 | - .112 | 180 | 913 | .488 | .201 | .344 | -1.271 |
| 180 | 215 | 343 | .180 | .781 | -1.892 | 180 | 265 | .338 | .162 | .124 | - .954 | 180 | 914 | .552 | .177 | .012 | -1.418 |
| 180 | 216 | 318 | .191 | .485 | -1.134 | 180 | 266 | .089 | .174 | .702 | - .576 | 180 | 915 | .539 | .197 | .125 | -1.618 |
| 180 | 217 | 014 | .185 | .647 | -1.631 | 180 | 267 | .438 | .174 | 1.261 | - .124 | 180 | 916 | .640 | .228 | .088 | -1.669 |
| 180 | 218 | 443 | .202 | 1.114 | -1.833 | 180 | 268 | .594 | .191 | 1.340 | - .041 | 180 | 917 | .700 | .211 | .116 | -1.694 |
| 180 | 219 | 494 | .191 | 1.120 | -1.433 | 180 | 269 | .635 | .190 | 1.275 | - .128 | 180 | 918 | .652 | .190 | .096 | -1.436 |
| 180 | 220 | 196 | .186 | .387 | -1.996 | 180 | 270 | .680 | .183 | 1.336 | - .055 | 180 | 919 | .678 | .183 | .083 | -1.365 |
| 180 | 221 | 241 | .201 | .877 | -1.512 | 180 | 271 | .687 | .172 | 1.275 | - .093 | 180 | 920 | .622 | .301 | .183 | -2.173 |
| 180 | 222 | 507 | .192 | 1.153 | -2.042 | 180 | 272 | .626 | .174 | 1.231 | - .093 | 180 | 921 | .593 | .220 | .307 | -1.449 |
| 180 | 223 | 506 | .198 | 1.161 | -1.091 | 180 | 273 | .645 | .166 | 1.272 | - .042 | 180 | 922 | .688 | .280 | .193 | -2.402 |
| 180 | 224 | 530 | .196 | 1.247 | -1.029 | 180 | 301 | .596 | .148 | .058 | - .038 | 180 | 923 | .504 | .279 | .601 | -1.626 |
| 180 | 225 | 542 | .196 | 1.281 | -1.332 | 180 | 302 | .598 | .159 | .120 | - .265 | 180 | 924 | .609 | .213 | .243 | -1.367 |
| 180 | 226 | 600 | .223 | 1.171 | -1.085 | 180 | 303 | .589 | .158 | .083 | - .015 | 180 | 925 | .652 | .222 | .090 | -1.739 |
| 180 | 227 | 664 | .208 | 1.221 | -1.087 | 180 | 304 | .608 | .197 | .056 | - .130 | 180 | 926 | .719 | .272 | .098 | -2.797 |
| 180 | 228 | 644 | .199 | 1.270 | -1.108 | 180 | 305 | .614 | .178 | .022 | - .138 | 180 | 927 | .724 | .257 | .100 | -2.681 |
| 180 | 229 | 719 | .275 | 1.104 | -1.722 | 180 | 306 | .638 | .170 | .044 | - 1.158 | 180 | 928 | .772 | .218 | .177 | -1.585 |

| WD | TAP | CPNEAN | CPNRS | CPMAX | CPMIN | WD | TAP | CPNEAN | CPNRS | CPMAX | CPMIN | WD | TAP | CPNEAN | CPNRS | CPMAX | CPMIN |
|-----|-----|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|
| 180 | 929 | .752 | .291 | .102 | -2.039 | 195 | 133 | .308 | .290 | .441 | -1.614 | 195 | 244 | .386 | .175 | 1.133 | .066 |
| 180 | 930 | .723 | .261 | .115 | -1.671 | 195 | 134 | .638 | .316 | .331 | -2.230 | 195 | 245 | .353 | .172 | 1.143 | .030 |
| 180 | 931 | .764 | .271 | .218 | -2.303 | 195 | 135 | .541 | .160 | .043 | -1.398 | 195 | 246 | .363 | .150 | 1.049 | .037 |
| 180 | 932 | .697 | .228 | .617 | -1.477 | 195 | 136 | .493 | .214 | .347 | -1.263 | 195 | 247 | .314 | .196 | .320 | .936 |
| 180 | 933 | .716 | .206 | .147 | -1.518 | 195 | 137 | .436 | .243 | .236 | -1.613 | 195 | 248 | .213 | .208 | 1.038 | .326 |
| 180 | 934 | .683 | .221 | .158 | -1.902 | 195 | 138 | .445 | .293 | .356 | -1.624 | 195 | 249 | .510 | .161 | 1.073 | .000 |
| 180 | 935 | .769 | .315 | .074 | -3.788 | 195 | 139 | .569 | .368 | .421 | -2.054 | 195 | 250 | .549 | .161 | .998 | .000 |
| 180 | 936 | .757 | .247 | .041 | -1.867 | 195 | 201 | .069 | .228 | .680 | .850 | 195 | 251 | .568 | .139 | 1.073 | .047 |
| 180 | 937 | .849 | .222 | .139 | -1.526 | 195 | 202 | .011 | .225 | .780 | .783 | 195 | 252 | .561 | .167 | 1.240 | .086 |
| 180 | 938 | .849 | .263 | .238 | -2.081 | 195 | 203 | .156 | .201 | .567 | .946 | 195 | 253 | .556 | .143 | 1.085 | .034 |
| 180 | 939 | .861 | .299 | .208 | -2.143 | 195 | 204 | .350 | .337 | 1.650 | -1.306 | 195 | 254 | .517 | .150 | 1.163 | .064 |
| 180 | 940 | .960 | .273 | .111 | -2.144 | 195 | 205 | .435 | .269 | 1.423 | .892 | 195 | 255 | .543 | .140 | 1.076 | .027 |
| 180 | 941 | .833 | .277 | .331 | -1.649 | 195 | 206 | .392 | .236 | 1.200 | .633 | 195 | 256 | .260 | .180 | .475 | .813 |
| 180 | 942 | .876 | .234 | .186 | -1.775 | 195 | 207 | .423 | .229 | .398 | -1.338 | 195 | 257 | .130 | .152 | .624 | .350 |
| 180 | 943 | .949 | .238 | .175 | -2.221 | 195 | 208 | .364 | .198 | .943 | .377 | 195 | 258 | .436 | .155 | .980 | .091 |
| 180 | 944 | .135 | .433 | .180 | -2.975 | 195 | 209 | .335 | .298 | .995 | .896 | 195 | 259 | .538 | .139 | 1.040 | .044 |
| 180 | 945 | .092 | .323 | .137 | -2.638 | 195 | 210 | .069 | .220 | .692 | .817 | 195 | 260 | .645 | .165 | 1.173 | .133 |
| 180 | 946 | .881 | .215 | .192 | -2.023 | 195 | 211 | .461 | .227 | 1.140 | .301 | 195 | 261 | .604 | .181 | 1.260 | .081 |
| 195 | 101 | .464 | .137 | .043 | -1.103 | 195 | 212 | .418 | .228 | 1.176 | .313 | 195 | 262 | .536 | .179 | 1.169 | .032 |
| 195 | 102 | .375 | .142 | .045 | -1.140 | 195 | 213 | .054 | .201 | .802 | .653 | 195 | 263 | .540 | .159 | 1.030 | .056 |
| 195 | 103 | .330 | .138 | .162 | -1.253 | 195 | 214 | .054 | .198 | .680 | .713 | 195 | 264 | .525 | .142 | .953 | .099 |
| 195 | 104 | .332 | .144 | .136 | -1.857 | 195 | 215 | .311 | .187 | .360 | .944 | 195 | 265 | .249 | .163 | .430 | .874 |
| 195 | 105 | .389 | .168 | .222 | -1.171 | 195 | 216 | .214 | .185 | .432 | .876 | 195 | 266 | .212 | .179 | .849 | .296 |
| 195 | 106 | .324 | .130 | .086 | .937 | 195 | 217 | .035 | .196 | .589 | .689 | 195 | 267 | .576 | .202 | 1.338 | .016 |
| 195 | 107 | .417 | .135 | .091 | -1.015 | 195 | 218 | .446 | .211 | 1.242 | .416 | 195 | 268 | .626 | .191 | 1.260 | .052 |
| 195 | 108 | .291 | .148 | .225 | -1.001 | 195 | 219 | .451 | .260 | 1.138 | .186 | 195 | 269 | .632 | .188 | 1.328 | .044 |
| 195 | 109 | .253 | .164 | .345 | -1.240 | 195 | 220 | .009 | .220 | .631 | .773 | 195 | 270 | .651 | .177 | 1.201 | .056 |
| 195 | 110 | .305 | .210 | .460 | -1.500 | 195 | 221 | .443 | .217 | 1.141 | .369 | 195 | 271 | .557 | .162 | 1.121 | .074 |
| 195 | 111 | .391 | .160 | .180 | .943 | 195 | 222 | .590 | .203 | 1.276 | .095 | 195 | 272 | .550 | .174 | 1.058 | .006 |
| 195 | 112 | .306 | .170 | .316 | -1.038 | 195 | 223 | .548 | .213 | 1.145 | .097 | 195 | 273 | .532 | .155 | 1.073 | .091 |
| 195 | 113 | .320 | .216 | .283 | -1.271 | 195 | 224 | .499 | .191 | 1.282 | .079 | 195 | 301 | .602 | .133 | .106 | -1.071 |
| 195 | 114 | .516 | .299 | .333 | -1.741 | 195 | 225 | .518 | .190 | 1.093 | .069 | 195 | 302 | .601 | .141 | .188 | -1.028 |
| 195 | 115 | .632 | .214 | .031 | -1.560 | 195 | 226 | .491 | .197 | 1.179 | .038 | 195 | 303 | .584 | .152 | .107 | -1.123 |
| 195 | 116 | .548 | .207 | .165 | -1.614 | 195 | 227 | .565 | .184 | 1.115 | .085 | 195 | 304 | .582 | .141 | .048 | -1.037 |
| 195 | 117 | .360 | .281 | .431 | -1.493 | 195 | 228 | .532 | .172 | 1.075 | .066 | 195 | 305 | .582 | .141 | .153 | -1.059 |
| 195 | 118 | .490 | .328 | .314 | -1.860 | 195 | 229 | .433 | .269 | .595 | -1.227 | 195 | 306 | .606 | .143 | .004 | -1.061 |
| 195 | 119 | .772 | .391 | .314 | -2.461 | 195 | 230 | .377 | .208 | 1.236 | .294 | 195 | 307 | .544 | .167 | .056 | -1.044 |
| 195 | 120 | .482 | .173 | .043 | -1.281 | 195 | 231 | .685 | .210 | 1.401 | .143 | 195 | 308 | .522 | .143 | .022 | -1.028 |
| 195 | 121 | .550 | .228 | .167 | -1.804 | 195 | 232 | .744 | .196 | 1.308 | .042 | 195 | 309 | .500 | .153 | .124 | .966 |
| 195 | 122 | .463 | .269 | .346 | -1.452 | 195 | 233 | .675 | .207 | 1.232 | .125 | 195 | 310 | .534 | .146 | .037 | .976 |
| 195 | 123 | .629 | .301 | .247 | -1.884 | 195 | 234 | .664 | .182 | 1.256 | .068 | 195 | 311 | .482 | .161 | .031 | -1.102 |
| 195 | 124 | .836 | .305 | .142 | -1.881 | 195 | 235 | .671 | .185 | 1.232 | .093 | 195 | 312 | .481 | .156 | .125 | -1.028 |
| 195 | 125 | .588 | .184 | .066 | -1.384 | 195 | 236 | .591 | .187 | 1.250 | .010 | 195 | 313 | .493 | .153 | .027 | -1.007 |
| 195 | 126 | .533 | .233 | .182 | -1.645 | 195 | 237 | .466 | .175 | 1.003 | .090 | 195 | 314 | .531 | .142 | .072 | -1.034 |
| 195 | 127 | .407 | .266 | .424 | -1.517 | 195 | 238 | .353 | .176 | .324 | .916 | 195 | 401 | .404 | .162 | .121 | -1.048 |
| 195 | 128 | .539 | .313 | .499 | -1.637 | 195 | 239 | .358 | .204 | .938 | .236 | 195 | 402 | .459 | .153 | .101 | -1.087 |
| 195 | 129 | .702 | .333 | .409 | -1.604 | 195 | 240 | .639 | .197 | 1.393 | .048 | 195 | 403 | .343 | .158 | .216 | -1.169 |
| 195 | 130 | .512 | .196 | .142 | -1.386 | 195 | 241 | .651 | .189 | 1.195 | .064 | 195 | 404 | .698 | .202 | .045 | -1.478 |
| 195 | 131 | .557 | .232 | .062 | -1.624 | 195 | 242 | .667 | .183 | 1.171 | .032 | 195 | 405 | .660 | .282 | .127 | -2.298 |
| 195 | 132 | .587 | .255 | .376 | -1.378 | 195 | 243 | .619 | .174 | 1.346 | .030 | 195 | 501 | .808 | .219 | .037 | -1.698 |

| MD | TAP | CPNEAN | CPRMS | CPMAX | CPMIN | MD | TAP | CPNEAN | CPRMS | CPMAX | CPMIN | MD | TAP | CPNEAN | CPRMS | CPMAX | CPMIN |
|-----|-----|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|-----|-----|--------|-------|-------|-------|
| 195 | 502 | .696 | .209 | .082 | -.722 | 195 | 943 | .810 | .205 | -.132 | -1.585 | 210 | 208 | .302 | .222 | 1.029 | -.482 |
| 195 | 503 | .602 | .192 | .066 | -1.616 | 195 | 944 | .831 | .238 | -.027 | -1.111 | 210 | 209 | .325 | .219 | .985 | -.871 |
| 195 | 504 | .580 | .229 | .296 | -1.913 | 195 | 945 | .960 | .297 | -.235 | -2.489 | 210 | 210 | .515 | .233 | 1.095 | -.309 |
| 195 | 505 | .771 | .184 | .102 | -1.374 | 195 | 946 | .796 | .216 | -.124 | -1.793 | 210 | 211 | .630 | .219 | 1.280 | -.101 |
| 195 | 506 | .637 | .179 | .017 | -1.214 | 210 | 101 | .522 | .150 | -.049 | -1.057 | 210 | 212 | .426 | .200 | .993 | -.203 |
| 195 | 507 | .601 | .156 | .117 | -1.562 | 210 | 102 | .407 | .144 | .016 | -1.158 | 210 | 213 | .071 | .177 | .779 | -.654 |
| 195 | 508 | .592 | .149 | .113 | -1.097 | 210 | 103 | .374 | .156 | .202 | -.914 | 210 | 214 | .069 | .168 | .532 | -.578 |
| 195 | 509 | .593 | .136 | .098 | -1.140 | 210 | 104 | .341 | .151 | .143 | -1.004 | 210 | 215 | .193 | .175 | .328 | -.780 |
| 195 | 901 | .572 | .160 | .059 | -1.389 | 210 | 105 | .385 | .154 | .134 | -1.152 | 210 | 216 | .093 | .168 | .478 | -.646 |
| 195 | 902 | .296 | .140 | .109 | -.914 | 210 | 106 | .595 | .146 | .154 | -1.106 | 210 | 217 | .073 | .183 | .769 | -.530 |
| 195 | 903 | .396 | .138 | .097 | -1.183 | 210 | 107 | .402 | .142 | .071 | -1.966 | 210 | 218 | .398 | .175 | .987 | -.193 |
| 195 | 904 | .401 | .162 | .049 | -1.017 | 210 | 108 | .176 | .147 | .273 | -.737 | 210 | 219 | .382 | .189 | .927 | -.374 |
| 195 | 905 | .489 | .172 | .025 | -1.234 | 210 | 109 | .110 | .149 | .345 | -.669 | 210 | 220 | .490 | .244 | 1.282 | -.291 |
| 195 | 906 | .542 | .174 | .026 | -1.443 | 210 | 110 | .033 | .155 | .517 | -.716 | 210 | 221 | .662 | .219 | 1.277 | -.069 |
| 195 | 907 | .572 | .167 | .047 | -1.443 | 210 | 111 | .378 | .146 | .129 | -.824 | 210 | 222 | .610 | .204 | 1.331 | -.126 |
| 195 | 908 | .576 | .160 | .074 | -1.359 | 210 | 112 | .155 | .147 | .397 | -.554 | 210 | 223 | .549 | .204 | 1.165 | -.174 |
| 195 | 909 | .614 | .155 | .117 | -1.722 | 210 | 113 | .092 | .146 | .439 | -.564 | 210 | 224 | .443 | .182 | .962 | -.150 |
| 195 | 910 | .626 | .162 | .058 | -1.354 | 210 | 114 | .032 | .143 | .439 | -.605 | 210 | 225 | .462 | .182 | 1.022 | -.304 |
| 195 | 911 | .488 | .180 | .118 | -1.179 | 210 | 115 | .733 | .163 | .245 | -.394 | 210 | 226 | .428 | .170 | .976 | -.063 |
| 195 | 912 | .413 | .157 | .097 | -1.179 | 210 | 116 | .895 | .261 | .124 | -1.910 | 210 | 227 | .399 | .166 | .910 | -.122 |
| 195 | 913 | .439 | .166 | .062 | -1.156 | 210 | 117 | .011 | .138 | .482 | -.654 | 210 | 228 | .302 | .176 | .835 | -.335 |
| 195 | 914 | .435 | .178 | .163 | -1.081 | 210 | 118 | .063 | .143 | .382 | -.760 | 210 | 229 | .243 | .291 | .987 | -.997 |
| 195 | 915 | .546 | .166 | .004 | -1.313 | 210 | 119 | .023 | .177 | .488 | -1.129 | 210 | 230 | .656 | .224 | 1.367 | -.043 |
| 195 | 916 | .559 | .170 | .021 | -2.309 | 210 | 120 | .570 | .146 | .165 | -.066 | 210 | 231 | .716 | .193 | 1.317 | -.073 |
| 195 | 917 | .566 | .160 | .043 | -1.211 | 210 | 121 | .741 | .209 | .130 | -1.638 | 210 | 232 | .719 | .187 | 1.279 | -.121 |
| 195 | 918 | .634 | .147 | .035 | -1.174 | 210 | 122 | .088 | .144 | .392 | -.630 | 210 | 233 | .589 | .177 | 1.199 | -.015 |
| 195 | 919 | .638 | .142 | .180 | -1.112 | 210 | 123 | .075 | .148 | .396 | -.573 | 210 | 234 | .544 | .194 | 1.169 | -.069 |
| 195 | 920 | .637 | .190 | .076 | -1.402 | 210 | 124 | .039 | .168 | .458 | -.992 | 210 | 235 | .462 | .153 | .982 | -.093 |
| 195 | 921 | .510 | .199 | .017 | -1.269 | 210 | 125 | .587 | .146 | .101 | -1.108 | 210 | 236 | .342 | .143 | .862 | -.140 |
| 195 | 922 | .490 | .164 | .119 | -1.320 | 210 | 126 | .829 | .258 | .007 | -1.855 | 210 | 237 | .236 | .164 | .721 | -.343 |
| 195 | 923 | .531 | .172 | .136 | -1.672 | 210 | 127 | .099 | .147 | .099 | -.704 | 210 | 238 | .255 | .252 | .093 | -.480 |
| 195 | 924 | .444 | .187 | .142 | -1.354 | 210 | 128 | .087 | .155 | .464 | -.826 | 210 | 239 | .592 | .209 | .271 | -.025 |
| 195 | 925 | .575 | .194 | .002 | -1.389 | 210 | 129 | .050 | .186 | .568 | -.909 | 210 | 240 | .660 | .187 | 1.464 | -.045 |
| 195 | 926 | .591 | .179 | .010 | -1.389 | 210 | 130 | .582 | .154 | .148 | -1.021 | 210 | 241 | .635 | .169 | 1.149 | -.037 |
| 195 | 927 | .595 | .159 | .012 | -1.461 | 210 | 131 | .634 | .204 | .129 | -1.403 | 210 | 242 | .581 | .162 | .088 | -.013 |
| 195 | 928 | .598 | .147 | .153 | -1.267 | 210 | 132 | .118 | .136 | .332 | -.622 | 210 | 243 | .662 | .155 | 1.070 | -.069 |
| 195 | 929 | .592 | .217 | .096 | -1.607 | 210 | 133 | .104 | .143 | .462 | -.701 | 210 | 244 | .498 | .160 | .052 | -.055 |
| 195 | 930 | .586 | .249 | .034 | -2.010 | 210 | 134 | .071 | .165 | .420 | -.855 | 210 | 245 | .395 | .159 | .972 | -.224 |
| 195 | 931 | .526 | .173 | .125 | -1.458 | 210 | 135 | .664 | .134 | .097 | -1.181 | 210 | 246 | .439 | .159 | 1.003 | -.071 |
| 195 | 932 | .623 | .209 | .025 | -1.313 | 210 | 136 | .598 | .176 | .032 | -1.259 | 210 | 247 | .213 | .242 | 1.174 | -.608 |
| 195 | 933 | .553 | .219 | .277 | -1.230 | 210 | 137 | .128 | .141 | .352 | -.578 | 210 | 248 | .474 | .201 | 1.117 | -.099 |
| 195 | 934 | .666 | .212 | .169 | -1.647 | 210 | 138 | .069 | .149 | .434 | -.601 | 210 | 249 | .589 | .178 | 1.339 | -.025 |
| 195 | 935 | .642 | .201 | .161 | -1.488 | 210 | 139 | .007 | .171 | .490 | -.765 | 210 | 250 | .574 | .158 | .058 | -.091 |
| 195 | 936 | .624 | .189 | .194 | -1.209 | 210 | 201 | .259 | .234 | .997 | -.494 | 210 | 251 | .566 | .174 | 1.227 | -.091 |
| 195 | 937 | .599 | .178 | .058 | -1.259 | 210 | 202 | .099 | .223 | .841 | -.812 | 210 | 252 | .535 | .145 | 1.024 | -.089 |
| 195 | 938 | .689 | .291 | .002 | -1.979 | 210 | 203 | .224 | .183 | .338 | -.788 | 210 | 253 | .425 | .150 | .956 | -.043 |
| 195 | 939 | .572 | .228 | .006 | -1.783 | 210 | 204 | .388 | .310 | .572 | -.682 | 210 | 254 | .400 | .146 | .950 | -.073 |
| 195 | 940 | .689 | .200 | .045 | -1.413 | 210 | 205 | .277 | .277 | .238 | -.588 | 210 | 255 | .418 | .144 | .857 | -.059 |
| 195 | 941 | .009 | .273 | .091 | -2.208 | 210 | 206 | .394 | .249 | .312 | -.450 | 210 | 256 | .224 | .196 | 1.085 | -.390 |
| 195 | 942 | .843 | .242 | .099 | -1.861 | 210 | 207 | .135 | .295 | .220 | -1.017 | 210 | 257 | .454 | .188 | 1.068 | -.073 |

| MD | TAP | CPNEAN | CPRNS | CPNAX | CPNIN | MD | TAP | CPNEAN | CPRNS | CPNAX | CPNIN | MD | TAP | CPNEAN | CPRNS | CPNAX | CPNIN |
|-----|-----|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|-----|-----|--------|-------|--------|--------|
| 210 | 258 | .599 | .169 | 1.211 | .103 | 210 | 907 | .652 | .133 | .160 | -1.173 | 225 | 111 | .207 | .150 | .326 | -.704 |
| 210 | 259 | .592 | .152 | 1.161 | .127 | 210 | 908 | .693 | .160 | .173 | -1.249 | 225 | 112 | .042 | .168 | .557 | -.600 |
| 210 | 260 | .553 | .164 | 1.080 | -.045 | 210 | 909 | .749 | .130 | .299 | -1.280 | 225 | 113 | .139 | .162 | .886 | -.312 |
| 210 | 261 | .503 | .193 | .984 | .027 | 210 | 910 | .731 | .163 | .144 | -1.640 | 225 | 114 | .235 | .187 | .783 | -.316 |
| 210 | 262 | .468 | .137 | .948 | .041 | 210 | 911 | .778 | .139 | .083 | -1.312 | 225 | 115 | .579 | .179 | .141 | -1.249 |
| 210 | 263 | .373 | .193 | 1.044 | .166 | 210 | 912 | .740 | .280 | .095 | -1.592 | 225 | 116 | .716 | .254 | .051 | -1.728 |
| 210 | 264 | .429 | .149 | .873 | .109 | 210 | 913 | .516 | .131 | .016 | -1.097 | 225 | 117 | .172 | .153 | .654 | -.295 |
| 210 | 265 | .197 | .186 | .777 | .347 | 210 | 914 | .459 | .161 | .018 | -1.051 | 225 | 118 | .197 | .149 | .624 | -.313 |
| 210 | 266 | .443 | .169 | .956 | .184 | 210 | 915 | .518 | .132 | .041 | -1.042 | 225 | 119 | .287 | .159 | .748 | -.217 |
| 210 | 267 | .661 | .187 | 1.231 | .095 | 210 | 916 | .541 | .162 | .039 | -1.240 | 225 | 120 | .563 | .149 | .200 | -1.037 |
| 210 | 268 | .651 | .183 | 1.524 | .143 | 210 | 917 | .618 | .177 | .079 | -1.061 | 225 | 121 | .626 | .192 | .005 | -1.463 |
| 210 | 269 | .618 | .172 | 1.311 | .053 | 210 | 918 | .685 | .154 | .130 | -1.182 | 225 | 122 | .105 | .148 | .578 | -.421 |
| 210 | 270 | .527 | .156 | 1.127 | .047 | 210 | 919 | .801 | .167 | .141 | -1.388 | 225 | 123 | .149 | .150 | .654 | -.382 |
| 210 | 271 | .467 | .149 | .940 | .003 | 210 | 920 | .866 | .174 | .091 | -1.451 | 225 | 124 | .233 | .154 | .799 | -.279 |
| 210 | 272 | .388 | .148 | 1.072 | .107 | 210 | 921 | .979 | .191 | .243 | -1.689 | 225 | 125 | .582 | .156 | .005 | -1.150 |
| 210 | 273 | .388 | .132 | .833 | .013 | 210 | 922 | .007 | .308 | .137 | -1.263 | 225 | 126 | .906 | .253 | .028 | -1.859 |
| 210 | 301 | .697 | .126 | 1.265 | -.117 | 210 | 923 | .522 | .168 | .008 | -1.377 | 225 | 127 | .087 | .153 | .564 | -.557 |
| 210 | 302 | .690 | .135 | 1.147 | -.115 | 210 | 924 | .378 | .137 | .110 | -1.123 | 225 | 128 | .138 | .156 | .616 | -.511 |
| 210 | 303 | .683 | .143 | 1.177 | -.123 | 210 | 925 | .408 | .141 | .144 | -1.053 | 225 | 129 | .231 | .156 | .697 | -.436 |
| 210 | 304 | .693 | .138 | .251 | -.113 | 210 | 926 | .442 | .163 | .110 | -1.049 | 225 | 130 | .591 | .137 | .131 | -1.096 |
| 210 | 305 | .677 | .146 | .128 | -.137 | 210 | 927 | .487 | .177 | .063 | -1.223 | 225 | 131 | .623 | .198 | .057 | -1.363 |
| 210 | 306 | .678 | .136 | .085 | -.129 | 210 | 928 | .527 | .159 | .016 | -1.131 | 225 | 132 | .096 | .137 | .528 | -.341 |
| 210 | 307 | .646 | .148 | .126 | -.119 | 210 | 929 | .093 | .191 | .453 | -1.754 | 225 | 133 | .134 | .140 | .598 | -.325 |
| 210 | 308 | .660 | .155 | .063 | -.139 | 210 | 930 | .196 | .229 | .177 | -2.071 | 225 | 134 | .226 | .140 | .677 | -.223 |
| 210 | 309 | .553 | .154 | .097 | -.070 | 210 | 931 | .855 | .353 | .016 | -2.381 | 225 | 135 | .712 | .162 | .086 | -.255 |
| 210 | 310 | .566 | .191 | .019 | -.075 | 210 | 932 | .550 | .164 | .075 | -1.271 | 225 | 136 | .516 | .171 | .040 | -1.044 |
| 210 | 311 | .546 | .185 | .097 | -.140 | 210 | 933 | .261 | .140 | .182 | -1.870 | 225 | 137 | .064 | .138 | .506 | -.407 |
| 210 | 312 | .384 | .146 | .055 | -.139 | 210 | 934 | .407 | .179 | .146 | -1.112 | 225 | 138 | .164 | .147 | .658 | -.370 |
| 210 | 313 | .334 | .143 | .056 | -.145 | 210 | 935 | .470 | .181 | .228 | -1.193 | 225 | 139 | .270 | .153 | .807 | -.275 |
| 210 | 314 | .644 | .151 | .073 | -.127 | 210 | 936 | .459 | .177 | .165 | -1.091 | 225 | 201 | .266 | .238 | .994 | -.683 |
| 210 | 401 | .446 | .158 | .103 | -.173 | 210 | 937 | .430 | .172 | .207 | -1.021 | 225 | 202 | .076 | .196 | .718 | -.661 |
| 210 | 402 | .527 | .141 | .019 | -.133 | 210 | 938 | .183 | .238 | .504 | -1.983 | 225 | 203 | .318 | .180 | .342 | -1.049 |
| 210 | 403 | .676 | .175 | .017 | -.126 | 210 | 939 | .322 | .358 | .009 | -2.266 | 225 | 204 | .632 | .264 | .1.392 | -1.053 |
| 210 | 404 | .713 | .226 | .133 | -.168 | 210 | 940 | .639 | .239 | .129 | -2.985 | 225 | 205 | .332 | .220 | .1.100 | -.633 |
| 210 | 405 | .740 | .209 | .112 | -.202 | 210 | 941 | .869 | .180 | .187 | -1.441 | 225 | 206 | .486 | .201 | .1.236 | -.323 |
| 210 | 501 | .543 | .220 | .197 | -1.453 | 210 | 942 | .531 | .284 | .167 | -1.288 | 225 | 207 | .078 | .271 | .1.224 | -.017 |
| 210 | 502 | .495 | .209 | .298 | -1.463 | 210 | 943 | .622 | .208 | .032 | -1.490 | 225 | 208 | .236 | .206 | .906 | -.599 |
| 210 | 503 | .473 | .198 | .187 | -1.514 | 210 | 944 | .587 | .210 | .328 | -1.403 | 225 | 209 | .222 | .198 | .854 | -.487 |
| 210 | 504 | .353 | .174 | .281 | -1.169 | 210 | 945 | .619 | .227 | .180 | -1.532 | 225 | 210 | .626 | .237 | .1.316 | -.157 |
| 210 | 505 | .384 | .201 | .143 | -.124 | 210 | 946 | .603 | .179 | .309 | -1.184 | 225 | 211 | .529 | .198 | .1.014 | -.237 |
| 210 | 506 | .444 | .174 | .105 | -.044 | 225 | 101 | .345 | .148 | .030 | -1.224 | 225 | 212 | .274 | .179 | .838 | -.335 |
| 210 | 507 | .424 | .164 | .280 | -.197 | 225 | 102 | .376 | .153 | .100 | -.979 | 225 | 213 | .011 | .164 | .570 | -.539 |
| 210 | 508 | .500 | .150 | .286 | -.101 | 225 | 103 | .287 | .153 | .312 | -.829 | 225 | 214 | .017 | .164 | .516 | -.567 |
| 210 | 509 | .344 | .149 | .039 | -1.089 | 225 | 104 | .284 | .171 | .443 | -.796 | 225 | 215 | .163 | .154 | .446 | -.639 |
| 210 | 901 | .650 | .176 | .041 | -1.682 | 225 | 105 | .317 | .158 | .178 | -.973 | 225 | 216 | .080 | .154 | .498 | -.639 |
| 210 | 902 | .693 | .217 | .093 | -1.811 | 225 | 106 | .569 | .124 | .096 | -.999 | 225 | 217 | .059 | .153 | .586 | -.591 |
| 210 | 903 | .472 | .165 | .143 | -.007 | 225 | 107 | .297 | .146 | .237 | -.729 | 225 | 218 | .199 | .157 | .630 | -.327 |
| 210 | 904 | .477 | .139 | .033 | -1.148 | 225 | 108 | .028 | .180 | .467 | -.569 | 225 | 219 | .066 | .162 | .596 | -.467 |
| 210 | 905 | .516 | .143 | .097 | -1.026 | 225 | 109 | .135 | .157 | .677 | -.376 | 225 | 220 | .665 | .240 | .1.260 | -.263 |
| 210 | 906 | .588 | .134 | .012 | -1.108 | 225 | 110 | .214 | .181 | .930 | -.318 | 225 | 221 | .639 | .205 | .1.343 | -.033 |

| WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN |
|-----|-----|--------|-------|-------|-------|-----|-----|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|
| 225 | 222 | .492 | .186 | .948 | -.096 | 225 | 272 | .170 | .125 | .608 | -.190 | 225 | 921 | -1.026 | .176 | -.314 | -1.666 |
| 225 | 223 | .390 | .162 | .954 | -.128 | 225 | 273 | .181 | .123 | .608 | -.175 | 225 | 922 | -1.114 | .211 | -.363 | -2.103 |
| 225 | 224 | .343 | .147 | .872 | -.120 | 225 | 301 | .776 | .123 | .355 | -1.223 | 225 | 923 | -.735 | .158 | -.115 | -1.291 |
| 225 | 225 | .294 | .157 | .855 | -.196 | 225 | 302 | .747 | .137 | .353 | -1.179 | 225 | 924 | -.637 | .223 | -.333 | -1.397 |
| 225 | 226 | .276 | .151 | .831 | -.235 | 225 | 303 | .713 | .149 | .267 | -1.164 | 225 | 925 | -.282 | .140 | .156 | -.737 |
| 225 | 227 | .153 | .155 | .642 | -.311 | 225 | 304 | .724 | .141 | .273 | -1.197 | 225 | 926 | -.291 | .144 | .173 | -.781 |
| 225 | 228 | .065 | .172 | .682 | -.309 | 225 | 305 | .690 | .154 | .142 | -1.154 | 225 | 927 | -.271 | .160 | .244 | -.899 |
| 225 | 229 | .706 | .226 | .658 | -.089 | 225 | 306 | .737 | .159 | .097 | -1.215 | 225 | 928 | -.444 | .175 | .511 | -1.119 |
| 225 | 230 | .690 | .196 | .347 | -.055 | 225 | 307 | .696 | .143 | .117 | -1.177 | 225 | 929 | -1.185 | .195 | -.610 | -1.722 |
| 225 | 231 | .576 | .181 | .093 | -.001 | 225 | 308 | .733 | .143 | .177 | -1.171 | 225 | 930 | -1.297 | .194 | -.573 | -2.037 |
| 225 | 232 | .500 | .164 | .019 | -.094 | 225 | 309 | .655 | .167 | .061 | -1.224 | 225 | 931 | -1.414 | .274 | -.493 | -2.660 |
| 225 | 233 | .422 | .153 | .855 | -.122 | 225 | 310 | .687 | .147 | .239 | -1.337 | 225 | 932 | -.803 | .238 | -.609 | -1.633 |
| 225 | 234 | .336 | .155 | .819 | -.148 | 225 | 311 | .665 | .145 | .111 | -1.115 | 225 | 933 | -.305 | .175 | .244 | -1.102 |
| 225 | 235 | .266 | .141 | .706 | -.239 | 225 | 312 | .688 | .160 | .094 | -1.293 | 225 | 934 | -.176 | .160 | .287 | -.754 |
| 225 | 236 | .093 | .146 | .690 | -.340 | 225 | 313 | .613 | .172 | .488 | -1.278 | 225 | 935 | -.186 | .184 | .472 | -1.280 |
| 225 | 237 | .043 | .139 | .382 | -.353 | 225 | 314 | .699 | .159 | .133 | -1.197 | 225 | 936 | -.187 | .184 | .530 | -.992 |
| 225 | 238 | .628 | .213 | .266 | -.027 | 225 | 401 | .513 | .140 | .133 | -1.059 | 225 | 937 | -.161 | .164 | .378 | -.694 |
| 225 | 239 | .660 | .178 | .250 | -.078 | 225 | 402 | .604 | .168 | .073 | -1.304 | 225 | 938 | -1.309 | .201 | -.588 | -2.134 |
| 225 | 240 | .549 | .173 | .087 | -.162 | 225 | 403 | .740 | .181 | .166 | -1.364 | 225 | 939 | -1.469 | .231 | -.777 | -3.136 |
| 225 | 241 | .506 | .159 | .019 | -.043 | 225 | 404 | .980 | .217 | .339 | -1.907 | 225 | 940 | -1.629 | .303 | -.164 | -3.348 |
| 225 | 242 | .419 | .149 | .932 | -.098 | 225 | 405 | .947 | .267 | .104 | -2.000 | 225 | 941 | -.977 | .234 | -.302 | -2.110 |
| 225 | 243 | .321 | .144 | .817 | -.074 | 225 | 501 | .181 | .217 | .684 | -.901 | 225 | 942 | -.481 | .148 | .026 | -1.494 |
| 225 | 244 | .263 | .136 | .674 | -.180 | 225 | 502 | .201 | .215 | .697 | -.932 | 225 | 943 | -.327 | .183 | .304 | -.949 |
| 225 | 245 | .201 | .144 | .698 | -.243 | 225 | 503 | .213 | .198 | .627 | -.901 | 225 | 944 | -.257 | .195 | .306 | -1.040 |
| 225 | 246 | .249 | .137 | .716 | -.203 | 225 | 504 | .170 | .176 | .536 | -.703 | 225 | 945 | -.327 | .223 | .316 | -1.398 |
| 225 | 247 | .540 | .204 | .198 | -.243 | 225 | 505 | .284 | .205 | .439 | -1.113 | 225 | 946 | -.272 | .205 | .472 | -1.079 |
| 225 | 248 | .576 | .179 | .341 | -.128 | 225 | 506 | .148 | .180 | .536 | -.633 | 240 | 101 | -.356 | .159 | .260 | -.916 |
| 225 | 249 | .511 | .157 | .013 | -.053 | 225 | 507 | .201 | .182 | .283 | -.703 | 240 | 102 | -.179 | .177 | .447 | -.772 |
| 225 | 250 | .441 | .145 | .888 | -.039 | 225 | 508 | .367 | .164 | .310 | -.934 | 240 | 103 | -.110 | .180 | .611 | -.741 |
| 225 | 251 | .399 | .163 | .946 | -.102 | 225 | 509 | .438 | .172 | .394 | -.936 | 240 | 104 | -.111 | .173 | .404 | -.618 |
| 225 | 252 | .312 | .146 | .857 | -.116 | 225 | 901 | .918 | .217 | .370 | -1.919 | 240 | 105 | -.166 | .164 | .429 | -.691 |
| 225 | 253 | .244 | .138 | .696 | -.239 | 225 | 902 | .944 | .257 | .296 | -1.930 | 240 | 106 | -.359 | .164 | .208 | -.873 |
| 225 | 254 | .224 | .129 | .648 | -.202 | 225 | 903 | .580 | .170 | .007 | -1.072 | 240 | 107 | -.050 | .163 | .574 | -.593 |
| 225 | 255 | .269 | .133 | .754 | -.183 | 225 | 904 | .666 | .135 | .244 | -1.220 | 240 | 108 | -.302 | .186 | .848 | -.280 |
| 225 | 256 | .504 | .199 | .090 | -.253 | 225 | 905 | .531 | .130 | .014 | -.975 | 240 | 109 | -.399 | .183 | 1.024 | -.319 |
| 225 | 257 | .508 | .164 | .093 | -.011 | 225 | 906 | .619 | .137 | .176 | -1.111 | 240 | 110 | -.481 | .196 | 1.102 | -.125 |
| 225 | 258 | .506 | .155 | .015 | -.025 | 225 | 907 | .719 | .162 | .304 | -1.343 | 240 | 111 | -.074 | .174 | .660 | -.514 |
| 225 | 259 | .429 | .142 | .942 | -.019 | 225 | 908 | .836 | .194 | .199 | -1.516 | 240 | 112 | -.265 | .194 | .846 | -.395 |
| 225 | 260 | .378 | .156 | .990 | -.094 | 225 | 909 | .760 | .162 | .143 | -1.368 | 240 | 113 | -.419 | .181 | 1.070 | -.161 |
| 225 | 261 | .320 | .151 | .718 | -.152 | 225 | 910 | .914 | .181 | .419 | -2.220 | 240 | 114 | -.510 | .206 | 1.110 | -.174 |
| 225 | 262 | .237 | .135 | .634 | -.277 | 225 | 911 | .877 | .189 | .211 | -1.768 | 240 | 115 | -.516 | .169 | .041 | -1.232 |
| 225 | 263 | .209 | .138 | .722 | -.233 | 225 | 912 | .905 | .218 | .349 | -2.448 | 240 | 116 | -.282 | .274 | .691 | -1.325 |
| 225 | 264 | .252 | .134 | .706 | -.177 | 225 | 913 | .618 | .147 | .155 | -1.086 | 240 | 117 | -.392 | .161 | .975 | -.087 |
| 225 | 265 | .498 | .162 | .288 | -.006 | 225 | 914 | .843 | .183 | .283 | -1.631 | 240 | 118 | -.441 | .168 | 1.002 | -.058 |
| 225 | 266 | .517 | .180 | .113 | -.221 | 225 | 915 | .458 | .128 | .018 | -.911 | 240 | 119 | -.542 | .171 | 1.209 | -.002 |
| 225 | 267 | .499 | .153 | .005 | -.049 | 225 | 916 | .500 | .129 | .011 | -1.034 | 240 | 120 | -.416 | .142 | .019 | -.867 |
| 225 | 268 | .471 | .173 | .043 | -.104 | 225 | 917 | .537 | .140 | .088 | -.961 | 240 | 121 | -.314 | .209 | .290 | -1.207 |
| 225 | 269 | .388 | .159 | .968 | -.114 | 225 | 918 | .684 | .131 | .155 | -1.137 | 240 | 122 | -.318 | .135 | .793 | -.190 |
| 225 | 270 | .334 | .143 | .948 | -.235 | 225 | 919 | .781 | .149 | .269 | -1.341 | 240 | 123 | -.401 | .143 | .879 | -.143 |
| 225 | 271 | .256 | .132 | .799 | -.124 | 225 | 920 | 1.015 | .176 | .403 | -1.666 | 240 | 124 | -.496 | .146 | .964 | -.045 |

| WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN |
|-----|-----|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|
| 240 | 125 | - .490 | .150 | -.026 | -.052 | 240 | 236 | -.163 | .123 | -.252 | -.600 | 240 | 313 | -.622 | .153 | -.049 | -1.129 |
| 240 | 126 | - .501 | .253 | -.433 | -1.358 | 240 | 237 | -.274 | .117 | -.132 | -.703 | 240 | 314 | -.698 | .133 | -.211 | -1.079 |
| 240 | 127 | - .284 | .150 | -.767 | -1.088 | 240 | 238 | -.080 | .268 | -.884 | -.904 | 240 | 401 | -.409 | .167 | -.078 | -1.068 |
| 240 | 128 | .374 | .161 | .869 | -.118 | 240 | 239 | -.022 | .322 | -.863 | -.946 | 240 | 402 | -.480 | .184 | -.094 | -1.068 |
| 240 | 129 | .474 | .169 | .999 | -.018 | 240 | 240 | -.199 | .171 | -.685 | -.647 | 240 | 403 | -.597 | .206 | -.120 | -1.313 |
| 240 | 130 | .467 | .141 | .029 | -.910 | 240 | 241 | -.202 | .152 | -.685 | -.698 | 240 | 404 | -.949 | .228 | -.137 | -1.916 |
| 240 | 131 | .337 | .192 | .406 | -.933 | 240 | 242 | -.147 | .131 | -.345 | -.241 | 240 | 405 | -.159 | .220 | -.157 | -1.648 |
| 240 | 132 | .291 | .141 | .835 | -.190 | 240 | 243 | -.089 | .122 | -.439 | -.373 | 240 | 501 | -.193 | .237 | -.926 | -.514 |
| 240 | 133 | .365 | .148 | .922 | -.147 | 240 | 244 | -.035 | .120 | -.406 | -.311 | 240 | 502 | -.159 | .248 | 1.214 | -.768 |
| 240 | 134 | .462 | .147 | .992 | -.012 | 240 | 245 | -.008 | .122 | -.351 | -.442 | 240 | 503 | -.124 | .249 | -.924 | -.804 |
| 240 | 135 | .603 | .140 | -.119 | -1.054 | 240 | 246 | -.056 | .115 | -.477 | -.288 | 240 | 504 | -.153 | .246 | -.804 | -1.307 |
| 240 | 136 | .253 | .162 | .372 | -.969 | 240 | 247 | -.033 | .277 | -.843 | -1.499 | 240 | 505 | -.135 | .212 | -.875 | -.490 |
| 240 | 137 | .261 | .131 | .736 | -.283 | 240 | 248 | -.006 | .288 | -.736 | -.958 | 240 | 506 | -.167 | .211 | -.885 | -.552 |
| 240 | 138 | .351 | .164 | .869 | -.198 | 240 | 249 | -.176 | .198 | -.762 | -.778 | 240 | 507 | -.112 | .216 | -.932 | -.478 |
| 240 | 139 | .499 | .172 | .974 | -.082 | 240 | 250 | -.146 | .150 | -.560 | -.418 | 240 | 508 | -.114 | .221 | -.646 | -.778 |
| 240 | 201 | .500 | .312 | .403 | -1.832 | 240 | 251 | -.122 | .125 | -.643 | -.311 | 240 | 509 | -.232 | .235 | -.518 | -1.117 |
| 240 | 202 | .224 | .186 | .388 | -1.212 | 240 | 252 | -.078 | .130 | -.609 | -.442 | 240 | 901 | -.766 | .199 | -.058 | -1.745 |
| 240 | 203 | .401 | .204 | .149 | -1.670 | 240 | 253 | -.044 | .128 | -.478 | -.416 | 240 | 902 | -.527 | .271 | -.097 | -2.076 |
| 240 | 204 | .133 | .345 | 1.277 | -1.193 | 240 | 254 | -.041 | .110 | -.562 | -.336 | 240 | 903 | -.398 | .172 | -.163 | -1.033 |
| 240 | 205 | .035 | .224 | .672 | -.901 | 240 | 255 | -.137 | .131 | -.634 | -.395 | 240 | 904 | -.705 | .135 | -.249 | -1.261 |
| 240 | 206 | .142 | .178 | .634 | -.513 | 240 | 256 | -.026 | .211 | -.591 | -.871 | 240 | 905 | -.628 | .158 | -.064 | -1.459 |
| 240 | 207 | .096 | .247 | 1.294 | -1.827 | 240 | 257 | -.017 | .229 | -.603 | -.823 | 240 | 906 | -.569 | .166 | -.116 | -1.433 |
| 240 | 208 | .017 | .186 | .612 | -.577 | 240 | 258 | -.161 | .222 | -.680 | -.792 | 240 | 907 | -.673 | .152 | -.198 | -1.313 |
| 240 | 209 | .022 | .171 | .516 | -.666 | 240 | 259 | -.176 | .135 | -.976 | -.405 | 240 | 908 | -.772 | .183 | -.188 | -1.587 |
| 240 | 210 | .199 | .266 | .773 | -1.486 | 240 | 260 | -.138 | .143 | -.643 | -.321 | 240 | 909 | -.722 | .159 | -.263 | -1.303 |
| 240 | 211 | .065 | .288 | .707 | -1.087 | 240 | 261 | -.087 | .117 | -.463 | -.336 | 240 | 910 | -.791 | .189 | -.115 | -1.488 |
| 240 | 212 | .097 | .199 | .417 | -1.178 | 240 | 262 | -.024 | .115 | -.389 | -.358 | 240 | 911 | -.813 | .193 | -.244 | -1.634 |
| 240 | 213 | .073 | .139 | .384 | -1.707 | 240 | 263 | -.016 | .116 | -.381 | -.450 | 240 | 912 | -.947 | .258 | -.086 | -2.319 |
| 240 | 214 | .068 | .142 | .423 | -.610 | 240 | 264 | -.083 | .122 | -.516 | -.298 | 240 | 913 | -.494 | .168 | -.245 | -1.945 |
| 240 | 215 | .084 | .146 | .393 | -.552 | 240 | 265 | -.114 | .236 | -.715 | -.658 | 240 | 914 | -.873 | .168 | -.327 | -1.589 |
| 240 | 216 | .059 | .147 | .454 | -.591 | 240 | 266 | -.063 | .241 | -.635 | -1.214 | 240 | 915 | -.683 | .195 | -.025 | -1.433 |
| 240 | 217 | .026 | .152 | .428 | -.794 | 240 | 267 | -.233 | .197 | -.826 | -.657 | 240 | 916 | -.432 | .197 | -.269 | -1.213 |
| 240 | 218 | .091 | .146 | .436 | -.598 | 240 | 268 | -.196 | .130 | -.621 | -.295 | 240 | 917 | -.460 | .163 | -.196 | -1.192 |
| 240 | 219 | .235 | .141 | .250 | -.740 | 240 | 269 | -.150 | .134 | -.785 | -.248 | 240 | 918 | -.606 | .166 | -.231 | -1.106 |
| 240 | 220 | .113 | .286 | .750 | -1.602 | 240 | 270 | -.114 | .121 | -.586 | -.262 | 240 | 919 | -.708 | .164 | -.199 | -1.337 |
| 240 | 221 | .021 | .336 | .738 | -1.175 | 240 | 271 | -.045 | .125 | -.514 | -.344 | 240 | 920 | -.957 | .189 | -.141 | -1.745 |
| 240 | 222 | .199 | .141 | .691 | -.481 | 240 | 272 | -.036 | .118 | -.420 | -.436 | 240 | 921 | -.990 | .197 | -.201 | -1.646 |
| 240 | 223 | .142 | .140 | .609 | -.368 | 240 | 273 | -.064 | .113 | -.366 | -.399 | 240 | 922 | -1.093 | .225 | -.249 | -2.133 |
| 240 | 224 | .132 | .127 | .545 | -.395 | 240 | 301 | -.748 | .138 | -.296 | -1.240 | 240 | 923 | -.609 | .187 | -.033 | -1.687 |
| 240 | 225 | .072 | .129 | .555 | -.323 | 240 | 302 | -.725 | .135 | -.288 | -1.131 | 240 | 924 | -1.030 | .229 | -.188 | -1.838 |
| 240 | 226 | .030 | .121 | .361 | -.440 | 240 | 303 | -.707 | .131 | -.313 | -1.143 | 240 | 925 | -.492 | .267 | -.243 | -1.714 |
| 240 | 227 | .134 | .129 | .306 | -.373 | 240 | 304 | -.698 | .136 | -.255 | -1.209 | 240 | 926 | -.137 | .203 | -.390 | -1.348 |
| 240 | 228 | .288 | .135 | .161 | -.779 | 240 | 305 | -.694 | .143 | -.258 | -1.174 | 240 | 927 | -.140 | .197 | -.568 | -.920 |
| 240 | 229 | .094 | .295 | .789 | -1.013 | 240 | 306 | -.731 | .147 | -.199 | -1.249 | 240 | 928 | -.163 | .214 | -.705 | -.745 |
| 240 | 230 | .015 | .362 | .832 | -.315 | 240 | 307 | -.678 | .142 | -.164 | -1.172 | 240 | 929 | -1.084 | .191 | -.498 | -1.688 |
| 240 | 231 | .233 | .183 | .748 | -.893 | 240 | 308 | -.696 | .135 | -.188 | -1.309 | 240 | 930 | -1.189 | .191 | -.507 | -2.037 |
| 240 | 232 | .219 | .126 | .643 | -.282 | 240 | 309 | -.637 | .146 | -.146 | -1.090 | 240 | 931 | -1.179 | .242 | -.397 | -2.303 |
| 240 | 233 | .165 | .117 | .578 | -.262 | 240 | 310 | -.674 | .148 | -.172 | -1.152 | 240 | 932 | -.894 | .221 | -.077 | -2.169 |
| 240 | 234 | .080 | .123 | .514 | -.317 | 240 | 311 | -.642 | .152 | -.033 | -1.188 | 240 | 933 | -.905 | .255 | -.064 | -1.953 |
| 240 | 235 | .027 | .122 | .492 | -.372 | 240 | 312 | -.670 | .129 | -.157 | -1.139 | 240 | 934 | -.194 | .262 | -.576 | -1.464 |

| MD | TAP | CPNEAN | CPRMS | CPMAX | CPMIN | MD | TAP | CPNEAN | CPRMS | CPMAX | CPMIN | MD | TAP | CPNEAN | CPRMS | CPMAX | CPMIN |
|-----|-----|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|
| 240 | 933 | -.054 | .227 | .603 | -1.055 | 255 | 139 | .651 | .167 | 1.193 | -.129 | 255 | 250 | -.446 | .290 | .303 | -1.598 |
| 240 | 936 | -.001 | .191 | .644 | -.810 | 255 | 201 | -.313 | .273 | -.438 | -2.650 | 255 | 251 | -.339 | .276 | .368 | -1.502 |
| 240 | 937 | .166 | .221 | .787 | -.695 | 255 | 202 | -.183 | .307 | -.186 | -2.111 | 255 | 252 | -.170 | .189 | .355 | -1.060 |
| 240 | 938 | -.291 | .207 | -.589 | -2.019 | 255 | 203 | -.140 | .293 | -.232 | -2.383 | 255 | 253 | -.167 | .157 | .391 | -.937 |
| 240 | 939 | -.348 | .224 | -.601 | -2.170 | 255 | 204 | -.922 | .293 | -.277 | -2.254 | 255 | 254 | -.125 | .139 | .310 | -.754 |
| 240 | 940 | -.366 | .254 | -.607 | -4.167 | 255 | 205 | -.520 | .318 | -.325 | -1.981 | 255 | 255 | -.053 | .162 | .449 | -1.232 |
| 240 | 941 | -.224 | .248 | -.377 | -2.163 | 255 | 206 | -.339 | .263 | -.518 | -1.537 | 255 | 256 | -.578 | .233 | .047 | -1.591 |
| 240 | 942 | -.801 | .242 | .196 | -2.734 | 255 | 207 | -.856 | .337 | -.070 | -2.922 | 255 | 257 | -.593 | .226 | .127 | -1.689 |
| 240 | 943 | -.177 | .338 | .523 | -1.495 | 255 | 208 | -.357 | .287 | -.544 | -2.897 | 255 | 258 | -.623 | .303 | .389 | -1.893 |
| 240 | 944 | -.078 | .245 | .682 | -1.231 | 255 | 209 | .284 | .228 | -.369 | -1.635 | 255 | 259 | -.387 | .267 | .420 | -1.276 |
| 240 | 945 | .031 | .228 | .952 | -.732 | 255 | 210 | -.094 | .274 | -.236 | -2.121 | 255 | 260 | -.248 | .219 | .439 | -1.151 |
| 240 | 946 | .147 | .229 | 1.014 | -.732 | 255 | 211 | -.127 | .275 | -.155 | -2.040 | 255 | 261 | -.217 | .213 | .536 | -1.465 |
| 255 | 101 | -.105 | .193 | .598 | -.845 | 255 | 212 | -.175 | .354 | -.071 | -2.335 | 255 | 262 | -.149 | .147 | .349 | -.679 |
| 255 | 102 | .066 | .185 | .739 | -.604 | 255 | 213 | -.876 | .423 | -.402 | -2.610 | 255 | 263 | -.169 | .137 | .293 | -.663 |
| 255 | 103 | .134 | .187 | .693 | -.620 | 255 | 214 | -.185 | .311 | -.637 | -1.842 | 255 | 264 | -.091 | .151 | .455 | -.729 |
| 255 | 104 | .130 | .178 | .675 | -.640 | 255 | 215 | -.041 | .159 | -.531 | -1.945 | 255 | 265 | -.519 | .220 | .242 | -1.434 |
| 255 | 105 | .047 | .195 | .640 | -.697 | 255 | 216 | -.022 | .209 | -.500 | -1.698 | 255 | 266 | -.520 | .240 | .455 | -.304 |
| 255 | 106 | .143 | .172 | .391 | -.713 | 255 | 217 | -.468 | .305 | -.296 | -1.989 | 255 | 267 | -.306 | .294 | .339 | -2.024 |
| 255 | 107 | .212 | .194 | .758 | -.426 | 255 | 218 | -.394 | .149 | -.131 | -1.960 | 255 | 268 | -.391 | .302 | .493 | -2.159 |
| 255 | 108 | .303 | .207 | 1.164 | -.135 | 255 | 219 | -.476 | .159 | -.013 | -1.061 | 255 | 269 | -.176 | .203 | .517 | -1.124 |
| 255 | 109 | .608 | .188 | 1.166 | -.029 | 255 | 220 | -.013 | .364 | -.239 | -2.088 | 255 | 270 | -.149 | .186 | .513 | -.966 |
| 255 | 110 | .655 | .211 | 1.247 | -.023 | 255 | 221 | -.100 | .319 | -.116 | -2.323 | 255 | 271 | -.146 | .150 | .536 | -.736 |
| 255 | 111 | .361 | .186 | .974 | -.219 | 255 | 222 | -.706 | .495 | -.457 | -2.149 | 255 | 272 | -.171 | .141 | .505 | -.650 |
| 255 | 112 | .539 | .196 | 1.101 | -.182 | 255 | 223 | -.114 | .291 | -.713 | -1.833 | 255 | 273 | -.148 | .128 | .300 | -.652 |
| 255 | 113 | .594 | .203 | 1.274 | -.017 | 255 | 224 | -.004 | .150 | -.509 | -.937 | 255 | 301 | -.634 | .151 | -.165 | -1.237 |
| 255 | 114 | .662 | .211 | 1.246 | -.007 | 255 | 225 | -.052 | .134 | -.366 | -.898 | 255 | 302 | -.648 | .164 | -.069 | -1.404 |
| 255 | 115 | .230 | .193 | .474 | -1.010 | 255 | 226 | -.171 | .128 | -.268 | -.600 | 255 | 303 | -.576 | .132 | -.062 | -1.018 |
| 255 | 116 | .157 | .225 | .826 | -.751 | 255 | 227 | -.321 | .123 | -.145 | -.734 | 255 | 304 | -.592 | .153 | -.064 | -1.157 |
| 255 | 117 | .596 | .173 | .376 | -.032 | 255 | 228 | -.448 | .133 | -.032 | -.838 | 255 | 305 | -.568 | .156 | -.082 | -1.160 |
| 255 | 118 | .630 | .178 | 1.164 | -.024 | 255 | 229 | -.772 | .229 | -.023 | -1.648 | 255 | 306 | -.597 | .136 | -.140 | -1.270 |
| 255 | 119 | .697 | .201 | 1.361 | -.026 | 255 | 230 | -.861 | .210 | -.243 | -1.671 | 255 | 307 | -.598 | .171 | -.072 | -1.103 |
| 255 | 120 | .178 | .141 | .634 | -.634 | 255 | 231 | -.784 | .326 | -.332 | -2.427 | 255 | 308 | -.564 | .124 | -.155 | -.998 |
| 255 | 121 | .077 | .198 | .774 | -.731 | 255 | 232 | -.384 | .357 | -.601 | -1.895 | 255 | 309 | -.551 | .141 | -.076 | -1.041 |
| 255 | 122 | .489 | .164 | 1.068 | -.008 | 255 | 233 | -.132 | .228 | -.625 | -1.667 | 255 | 310 | -.551 | .139 | -.012 | -1.211 |
| 255 | 123 | .568 | .170 | 1.085 | .044 | 255 | 234 | -.102 | .138 | -.399 | -.758 | 255 | 311 | -.538 | .142 | -.060 | -.982 |
| 255 | 124 | .627 | .170 | 1.153 | -.106 | 255 | 235 | -.154 | .134 | -.318 | -.738 | 255 | 312 | -.548 | .145 | -.134 | -1.058 |
| 255 | 125 | .298 | .152 | .190 | -.984 | 255 | 236 | -.262 | .129 | -.195 | -.719 | 255 | 313 | -.524 | .134 | -.088 | -.994 |
| 255 | 126 | .027 | .197 | .616 | -.691 | 255 | 237 | -.356 | .120 | -.045 | -.767 | 255 | 314 | -.577 | .136 | -.169 | -1.035 |
| 255 | 127 | .437 | .153 | .955 | -.062 | 255 | 238 | -.698 | .221 | -.103 | -1.130 | 255 | 401 | -.404 | .217 | -.383 | -1.075 |
| 255 | 128 | .528 | .161 | 1.091 | -.021 | 255 | 239 | -.698 | .220 | -.118 | -1.920 | 255 | 402 | -.392 | .202 | -.333 | -1.046 |
| 255 | 129 | .595 | .162 | 1.191 | -.106 | 255 | 240 | -.641 | .312 | -.305 | -1.656 | 255 | 403 | -.378 | .220 | -.423 | -1.046 |
| 255 | 130 | .282 | .170 | .276 | -.859 | 255 | 241 | -.475 | .321 | -.505 | -1.534 | 255 | 404 | -.634 | .253 | -.431 | -1.422 |
| 255 | 131 | .075 | .176 | .549 | -.545 | 255 | 242 | -.274 | .250 | -.389 | -1.222 | 255 | 405 | -.751 | .185 | -.104 | -1.410 |
| 255 | 132 | .429 | .159 | .971 | -.155 | 255 | 243 | -.157 | .170 | -.401 | -.891 | 255 | 501 | -.560 | .217 | -.125 | -2.336 |
| 255 | 133 | .506 | .167 | 1.085 | -.060 | 255 | 244 | -.144 | .150 | -.387 | -.894 | 255 | 502 | -.387 | .238 | 1.067 | -.606 |
| 255 | 134 | .568 | .169 | 1.179 | -.034 | 255 | 245 | -.131 | .138 | -.322 | -.817 | 255 | 503 | -.259 | .318 | 1.115 | -1.036 |
| 255 | 135 | .418 | .160 | 1.158 | -1.010 | 255 | 246 | -.069 | .143 | -.336 | -.723 | 255 | 504 | -.201 | .260 | 1.061 | -.926 |
| 255 | 136 | .068 | .173 | .620 | -.416 | 255 | 247 | -.616 | .251 | -.029 | -1.975 | 255 | 505 | -.403 | .206 | 1.338 | -.270 |
| 255 | 137 | .456 | .153 | .940 | -.057 | 255 | 248 | -.618 | .233 | -.173 | -2.034 | 255 | 506 | -.403 | .232 | 1.236 | -.482 |
| 255 | 138 | .577 | .163 | 1.118 | -.037 | 255 | 249 | -.573 | .277 | -.330 | -1.860 | 255 | 507 | -.223 | .217 | .950 | -.670 |

| WD | TAP | CPNEAN | CPNRS | CPNAX | CPNIN | WD | TAP | CPNEAN | CPNRS | CPNAX | CPNIN | WD | TAP | CPNEAN | CPNRS | CPNAX | CPNIN |
|-----|-----|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|
| 270 | 508 | -.038 | .224 | .902 | -.781 | 270 | 103 | .219 | -.202 | 1.020 | -.367 | 270 | 214 | -.940 | .251 | .521 | -2.648 |
| 270 | 509 | -.201 | .204 | .538 | -.940 | 270 | 104 | .250 | -.193 | .857 | -.521 | 270 | 215 | -.884 | .272 | -.009 | -2.408 |
| 270 | 901 | -.596 | .199 | .061 | -1.523 | 270 | 105 | .183 | -.183 | .743 | -.399 | 270 | 216 | -.720 | .342 | -.367 | -2.535 |
| 270 | 902 | -.746 | .160 | .160 | -2.166 | 270 | 106 | -.013 | -.212 | .794 | -.724 | 270 | 217 | -.572 | .357 | -.427 | -2.870 |
| 270 | 903 | -.453 | .208 | .309 | -1.404 | 270 | 107 | .408 | -.218 | 1.171 | -.417 | 270 | 218 | -.546 | .323 | -.300 | -2.648 |
| 270 | 904 | -.675 | .193 | -.073 | -1.426 | 270 | 108 | .652 | -.196 | 1.378 | -.023 | 270 | 219 | -.487 | .235 | -.193 | -2.120 |
| 270 | 905 | -.680 | .178 | .136 | -1.358 | 270 | 109 | .670 | -.212 | 1.437 | -.017 | 270 | 220 | -.904 | .211 | -.218 | -1.847 |
| 270 | 906 | -.641 | .180 | .093 | -1.318 | 270 | 110 | .717 | -.227 | 1.335 | -.013 | 270 | 221 | -.892 | .211 | -.199 | -1.777 |
| 270 | 907 | -.606 | .158 | -.013 | -1.133 | 270 | 111 | .516 | -.199 | 1.142 | -.111 | 270 | 222 | -.932 | .212 | -.039 | -1.740 |
| 270 | 908 | -.653 | .184 | .067 | -1.360 | 270 | 112 | .677 | -.200 | 1.303 | -.114 | 270 | 223 | -.939 | .246 | -.207 | -1.888 |
| 270 | 909 | -.713 | .196 | .091 | -1.477 | 270 | 113 | .709 | -.208 | 1.446 | -.091 | 270 | 224 | -.780 | .242 | -.207 | -1.943 |
| 270 | 910 | -.512 | .187 | .176 | -1.350 | 270 | 114 | .735 | -.252 | 1.579 | -.156 | 270 | 225 | -.622 | .246 | -.124 | -1.592 |
| 270 | 911 | -.622 | .208 | .280 | -1.785 | 270 | 115 | -.101 | -.229 | .623 | -1.021 | 270 | 226 | -.505 | .243 | -.256 | -1.539 |
| 270 | 912 | -.756 | .236 | .094 | -1.726 | 270 | 116 | .440 | -.228 | 1.042 | -.398 | 270 | 227 | -.444 | .221 | -.412 | -1.250 |
| 270 | 913 | -.420 | .191 | .143 | -1.120 | 270 | 117 | .677 | -.183 | 1.218 | -.035 | 270 | 228 | -.416 | .204 | -.246 | -1.286 |
| 270 | 914 | -.688 | .189 | -.165 | -1.174 | 270 | 118 | .695 | -.206 | 1.314 | -.010 | 270 | 229 | -.844 | .184 | -.274 | -1.545 |
| 270 | 915 | -.791 | .183 | .106 | -1.623 | 270 | 119 | .699 | -.186 | 1.306 | -.113 | 270 | 230 | -.836 | .182 | -.299 | -1.431 |
| 270 | 916 | -.720 | .195 | .042 | -1.379 | 270 | 120 | -.096 | -.179 | .536 | -.663 | 270 | 231 | -.857 | .213 | -.277 | -1.929 |
| 270 | 917 | -.440 | .220 | .681 | -1.362 | 270 | 121 | .343 | -.218 | 1.103 | -.357 | 270 | 232 | -.894 | .202 | -.268 | -1.962 |
| 270 | 918 | -.560 | .174 | .112 | -1.223 | 270 | 122 | .695 | -.182 | 1.204 | -.004 | 270 | 233 | -.807 | .245 | -.095 | -1.801 |
| 270 | 919 | -.699 | .164 | -.155 | -1.223 | 270 | 123 | .660 | -.187 | 1.303 | -.051 | 270 | 234 | -.695 | .244 | -.551 | -1.608 |
| 270 | 920 | -.637 | .188 | .150 | -1.465 | 270 | 124 | .683 | -.183 | 1.296 | -.145 | 270 | 235 | -.560 | .231 | -.240 | -1.523 |
| 270 | 921 | -.717 | .194 | .157 | -1.447 | 270 | 125 | .210 | -.191 | .503 | -.764 | 270 | 236 | -.472 | .242 | -.410 | -1.514 |
| 270 | 922 | -.770 | .208 | .051 | -1.678 | 270 | 126 | .184 | -.211 | .884 | -.570 | 270 | 237 | -.508 | .240 | -.220 | -1.816 |
| 270 | 923 | -.428 | .193 | .343 | -1.097 | 270 | 127 | .545 | -.186 | 1.195 | -.030 | 270 | 238 | -.764 | .190 | -.124 | -1.453 |
| 270 | 924 | -.797 | .190 | -.258 | -1.512 | 270 | 128 | .610 | -.188 | 1.199 | -.091 | 270 | 239 | -.784 | .180 | -.283 | -1.577 |
| 270 | 925 | -.902 | .217 | .181 | -1.577 | 270 | 129 | .626 | -.184 | 1.179 | -.124 | 270 | 240 | -.828 | .234 | -.169 | -1.952 |
| 270 | 926 | -.602 | .265 | .284 | -1.739 | 270 | 130 | -.218 | -.194 | .321 | -.844 | 270 | 241 | -.871 | .240 | -.175 | -2.258 |
| 270 | 927 | -.166 | .246 | 1.061 | -.851 | 270 | 131 | .242 | -.214 | 1.105 | -.421 | 270 | 242 | -.852 | .244 | -.114 | -2.195 |
| 270 | 928 | -.162 | .218 | .897 | -.972 | 270 | 132 | .518 | -.196 | 1.121 | -.010 | 270 | 243 | -.726 | .239 | -.321 | -1.771 |
| 270 | 929 | -.722 | .194 | -.005 | -1.384 | 270 | 133 | .587 | -.160 | 1.171 | -.081 | 270 | 244 | -.613 | .241 | -.227 | -1.368 |
| 270 | 930 | -.787 | .209 | -.009 | -1.793 | 270 | 134 | .618 | -.157 | 1.207 | -.116 | 270 | 245 | -.504 | .284 | -.252 | -1.549 |
| 270 | 931 | -.898 | .213 | -.278 | -1.736 | 270 | 135 | .397 | -.185 | .237 | -1.066 | 270 | 246 | -.658 | .337 | -.369 | -1.853 |
| 270 | 932 | -.640 | .227 | .110 | -1.342 | 270 | 136 | .246 | -.189 | .895 | -.472 | 270 | 247 | -.721 | .212 | -.015 | -1.740 |
| 270 | 933 | -.907 | .212 | -.266 | -1.923 | 270 | 137 | .561 | -.168 | 1.169 | -.107 | 270 | 248 | -.746 | .200 | -.014 | -1.687 |
| 270 | 934 | -.831 | .224 | -.023 | -1.957 | 270 | 138 | .653 | -.172 | 1.234 | -.167 | 270 | 249 | -.856 | .263 | -.075 | -2.275 |
| 270 | 935 | -.359 | .289 | .707 | -1.441 | 270 | 139 | .684 | -.166 | 1.283 | -.213 | 270 | 250 | -.840 | .309 | -.024 | -2.610 |
| 270 | 936 | -.111 | .261 | .996 | -.840 | 270 | 201 | .970 | -.269 | .276 | -2.562 | 270 | 251 | -.836 | .250 | -.130 | -1.917 |
| 270 | 937 | -.335 | .221 | 1.336 | -.367 | 270 | 202 | .995 | -.279 | 1.43 | -2.258 | 270 | 252 | -.695 | .275 | -.331 | -1.677 |
| 270 | 938 | -.913 | .226 | -.134 | -1.849 | 270 | 203 | -.000 | -.277 | .249 | -2.141 | 270 | 253 | -.547 | .246 | -.264 | -1.336 |
| 270 | 939 | -1.039 | .238 | -.033 | -1.864 | 270 | 204 | .459 | -.389 | .741 | -2.642 | 270 | 254 | -.539 | .307 | -.343 | -1.630 |
| 270 | 940 | -.265 | .357 | .043 | -3.383 | 270 | 205 | .314 | -.224 | .458 | -1.256 | 270 | 255 | -.556 | .374 | -.339 | -2.318 |
| 270 | 941 | -.846 | .195 | -.136 | -1.554 | 270 | 206 | -.291 | -.230 | .503 | -1.282 | 270 | 256 | -.713 | .213 | -.138 | -1.533 |
| 270 | 942 | -.296 | .317 | -.179 | -2.704 | 270 | 207 | .386 | -.365 | .696 | -2.620 | 270 | 257 | -.725 | .216 | -.104 | -1.840 |
| 270 | 943 | -.221 | .471 | .472 | -3.816 | 270 | 208 | -.238 | -.233 | .559 | -1.443 | 270 | 258 | -.818 | .243 | -.254 | -2.683 |
| 270 | 944 | -.267 | .395 | .895 | -2.416 | 270 | 209 | -.281 | -.227 | .347 | -1.323 | 270 | 259 | -.846 | .287 | -.149 | -2.573 |
| 270 | 945 | -.146 | .286 | 1.035 | -1.253 | 270 | 210 | -.893 | -.232 | .327 | -2.737 | 270 | 260 | -.608 | .271 | -.234 | -2.098 |
| 270 | 946 | -.438 | .232 | 1.235 | -.323 | 270 | 211 | -.926 | -.280 | -.218 | -2.632 | 270 | 261 | -.707 | .278 | -.516 | -1.803 |
| 270 | 101 | -.029 | .226 | .686 | -.743 | 270 | 212 | -.907 | -.216 | -.025 | -1.736 | 270 | 262 | -.564 | .259 | -.307 | -1.832 |
| 270 | 102 | -.168 | .204 | .944 | -.622 | 270 | 213 | -.932 | -.234 | -.085 | -2.969 | 270 | 263 | -.526 | .306 | -.317 | -1.931 |

| WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN |
|-----|-----|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|
| 270 | 264 | -.567 | .357 | -.372 | -2.355 | 270 | 913 | -.714 | .235 | -.168 | -1.552 | 285 | 117 | .710 | .200 | 1.334 | -.155 |
| 270 | 265 | -.740 | .216 | -.148 | -2.069 | 270 | 914 | -.061 | .222 | -.070 | -1.850 | 285 | 118 | .719 | .185 | 1.352 | -.149 |
| 270 | 266 | -.694 | .218 | -.014 | -1.657 | 270 | 915 | -.982 | .261 | -.238 | -2.175 | 285 | 119 | .693 | .195 | 1.360 | -.116 |
| 270 | 267 | -.765 | .249 | -.039 | -2.114 | 270 | 916 | -.900 | .286 | -.521 | -2.054 | 285 | 120 | .143 | .200 | 1.048 | -.552 |
| 270 | 268 | -.819 | .288 | -.016 | -2.427 | 270 | 917 | -.665 | .299 | 1.010 | -1.695 | 285 | 121 | .564 | .204 | 1.107 | -.210 |
| 270 | 269 | -.733 | .294 | .260 | -2.460 | 270 | 918 | -.372 | .313 | .840 | -2.056 | 285 | 122 | .695 | .184 | 1.267 | -.090 |
| 270 | 270 | -.593 | .257 | .299 | -1.494 | 270 | 919 | -.481 | .229 | .327 | -1.254 | 285 | 123 | .696 | .180 | 1.304 | -.100 |
| 270 | 271 | -.485 | .262 | 1.043 | -1.622 | 270 | 920 | -.615 | .249 | .247 | -1.479 | 285 | 124 | .668 | .177 | 1.242 | -.115 |
| 270 | 272 | -.515 | .306 | .439 | -1.911 | 270 | 921 | -.677 | .233 | .137 | -1.554 | 285 | 125 | -.007 | .209 | .735 | -.662 |
| 270 | 273 | -.500 | .338 | .392 | -1.843 | 270 | 922 | -.730 | .248 | -.131 | -2.014 | 285 | 126 | .444 | .203 | 1.027 | -.324 |
| 270 | 301 | -.539 | .218 | .205 | -1.420 | 270 | 923 | -.623 | .236 | .221 | -1.603 | 285 | 127 | .628 | .180 | 1.244 | -.073 |
| 270 | 302 | -.532 | .229 | .179 | -1.525 | 270 | 924 | -.819 | .227 | -.198 | -2.568 | 285 | 128 | .667 | .177 | 1.294 | -.128 |
| 270 | 303 | -.489 | .193 | .081 | -1.219 | 270 | 925 | -.964 | .242 | -.066 | -2.196 | 285 | 129 | .654 | .188 | 1.191 | -.127 |
| 270 | 304 | -.527 | .223 | .133 | -1.691 | 270 | 926 | -.880 | .276 | .223 | -1.907 | 285 | 130 | -.025 | .198 | .671 | -.814 |
| 270 | 305 | -.474 | .195 | .128 | -1.103 | 270 | 927 | -.554 | .241 | .436 | -1.641 | 285 | 131 | .426 | .201 | 1.077 | -.246 |
| 270 | 306 | -.489 | .187 | .222 | -1.180 | 270 | 928 | -.261 | .426 | 1.197 | -1.784 | 285 | 132 | .593 | .159 | 1.193 | -.161 |
| 270 | 307 | -.439 | .195 | .261 | -1.146 | 270 | 929 | -.557 | .189 | .017 | -1.304 | 285 | 133 | .637 | .165 | 1.262 | -.191 |
| 270 | 308 | -.449 | .167 | .195 | -1.023 | 270 | 930 | -.645 | .208 | .215 | -1.416 | 285 | 134 | .630 | .164 | 1.215 | -.201 |
| 270 | 309 | -.418 | .179 | .204 | -1.182 | 270 | 931 | -.727 | .242 | -.080 | -1.849 | 285 | 135 | -.161 | .185 | .504 | -.758 |
| 270 | 310 | -.429 | .182 | .129 | -1.136 | 270 | 932 | -.556 | .225 | -.425 | -1.631 | 285 | 136 | .432 | .202 | 1.207 | -.268 |
| 270 | 311 | -.403 | .198 | .227 | -1.116 | 270 | 933 | -.751 | .193 | -.060 | -1.633 | 285 | 137 | .652 | .164 | 1.299 | -.018 |
| 270 | 312 | -.439 | .179 | .193 | -1.009 | 270 | 934 | -.955 | .222 | -.021 | -1.931 | 285 | 138 | .688 | .187 | 1.452 | -.099 |
| 270 | 313 | -.360 | .182 | .344 | -1.044 | 270 | 935 | -.847 | .239 | -.017 | -1.633 | 285 | 139 | .664 | .181 | 1.403 | -.005 |
| 270 | 314 | -.402 | .176 | .281 | -1.015 | 270 | 936 | -.499 | .230 | .563 | -1.333 | 285 | 201 | -.703 | .277 | .289 | -2.138 |
| 270 | 401 | -.704 | .230 | .231 | -1.650 | 270 | 937 | -.146 | .389 | 1.675 | -1.042 | 285 | 202 | -.805 | .301 | -.016 | -2.537 |
| 270 | 402 | -.667 | .252 | .186 | -1.665 | 270 | 938 | -.569 | .194 | .051 | -1.252 | 285 | 203 | -.928 | .393 | -.678 | -2.822 |
| 270 | 403 | -.605 | .251 | .490 | -1.467 | 270 | 939 | -.614 | .192 | .089 | -1.482 | 285 | 204 | -.689 | .293 | -.161 | -1.616 |
| 270 | 404 | -.507 | .226 | .450 | -1.306 | 270 | 940 | -.773 | .233 | .106 | -1.950 | 285 | 205 | -.746 | .216 | -.047 | -1.763 |
| 270 | 405 | -.559 | .187 | .142 | -1.209 | 270 | 941 | -.594 | .190 | .130 | -1.661 | 285 | 206 | -.768 | .209 | -.128 | -1.985 |
| 270 | 501 | -.633 | .360 | .477 | -1.807 | 270 | 942 | -.734 | .215 | -.151 | -1.493 | 285 | 207 | -.705 | .226 | -.039 | -1.686 |
| 270 | 502 | -.586 | .404 | .743 | -2.307 | 270 | 943 | -.981 | .226 | -.174 | -1.945 | 285 | 208 | -.717 | .206 | -.020 | -2.199 |
| 270 | 503 | -.561 | .410 | .973 | -1.925 | 270 | 944 | -.978 | .283 | .123 | -3.004 | 285 | 209 | -.747 | .196 | -.171 | -1.604 |
| 270 | 504 | -.508 | .428 | 1.279 | -2.269 | 270 | 945 | -.609 | .274 | .500 | -1.937 | 285 | 210 | -.633 | .213 | -.100 | -1.759 |
| 270 | 505 | -.319 | .325 | .878 | -1.336 | 270 | 946 | -.275 | .336 | 1.042 | -1.422 | 285 | 211 | -.760 | .259 | -.069 | -2.136 |
| 270 | 506 | -.188 | .342 | 1.241 | -1.853 | 285 | 101 | .107 | .230 | .782 | -.754 | 285 | 212 | -.887 | .308 | .086 | -2.667 |
| 270 | 507 | -.240 | .347 | .990 | -1.593 | 285 | 102 | .181 | .214 | .881 | -.563 | 285 | 213 | -.870 | .283 | -.212 | -2.431 |
| 270 | 508 | -.356 | .369 | 1.277 | -1.382 | 285 | 103 | .054 | .208 | .733 | -.584 | 285 | 214 | -.753 | .210 | -.075 | -1.749 |
| 270 | 509 | -.298 | .410 | 1.094 | -1.551 | 285 | 104 | .054 | .195 | .617 | -.627 | 285 | 215 | -.721 | .172 | -.236 | -1.439 |
| 270 | 901 | -.797 | .232 | .279 | -1.560 | 285 | 105 | .043 | .193 | .613 | -.574 | 285 | 216 | -.644 | .165 | -.151 | -1.207 |
| 270 | 902 | -.741 | .210 | .000 | -1.501 | 285 | 106 | .179 | .218 | .849 | -.623 | 285 | 217 | -.666 | .187 | -.063 | -1.602 |
| 270 | 903 | -.730 | .215 | .102 | -1.414 | 285 | 107 | .587 | .227 | 1.330 | -.132 | 285 | 218 | -.668 | .181 | -.110 | -1.333 |
| 270 | 904 | -.878 | .233 | -.145 | -1.868 | 285 | 108 | .720 | .209 | 1.382 | -.047 | 285 | 219 | -.681 | .200 | -.037 | -1.694 |
| 270 | 905 | -.960 | .282 | .036 | -1.182 | 285 | 109 | .660 | .211 | 1.332 | -.000 | 285 | 220 | -.649 | .165 | -.122 | -1.325 |
| 270 | 906 | -.862 | .300 | .292 | -2.495 | 285 | 110 | .649 | .208 | 1.213 | -.045 | 285 | 221 | -.687 | .208 | -.050 | -1.664 |
| 270 | 907 | -.688 | .311 | .492 | -2.166 | 285 | 111 | .704 | .221 | 1.356 | -.047 | 285 | 222 | -.731 | .210 | -.019 | -1.454 |
| 270 | 908 | -.472 | .298 | .579 | -1.741 | 285 | 112 | .733 | .286 | 1.335 | -.032 | 285 | 223 | -.743 | .194 | -.007 | -1.575 |
| 270 | 909 | -.488 | .257 | .340 | -1.492 | 285 | 113 | .727 | .223 | 1.286 | -.116 | 285 | 224 | -.709 | .176 | -.078 | -1.510 |
| 270 | 910 | -.734 | .226 | -.015 | -1.507 | 285 | 114 | .718 | .226 | 1.414 | -.065 | 285 | 225 | -.665 | .164 | -.073 | -1.292 |
| 270 | 911 | -.741 | .216 | .066 | -1.486 | 285 | 115 | .184 | .243 | .823 | -.745 | 285 | 226 | -.664 | .153 | -.090 | -1.173 |
| 270 | 912 | -.802 | .220 | .693 | -1.646 | 285 | 116 | .604 | .224 | 1.379 | -.272 | 285 | 227 | -.652 | .183 | -.013 | -1.442 |

| WD | TAP | CPHEAN | CPRMS | CPHAX | CPMIN | WD | TAP | CPHEAN | CPRMS | CPHAX | CPMIN | WD | TAP | CPHEAN | CPRMS | CPHAX | CPMIN |
|-----|-----|--------|-------|--------|---------|-----|-----|---------|-------|--------|---------|-----|-----|---------|-------|--------|---------|
| 285 | 228 | - .633 | .172 | - .136 | -1 .278 | 285 | 303 | - .423 | .149 | .032 | - .903 | 285 | 927 | .342 | .323 | 1 .187 | - .653 |
| 285 | 229 | - .635 | .150 | - .179 | -1 .144 | 285 | 306 | - .387 | .131 | .033 | - .843 | 285 | 928 | .763 | .286 | 2 .131 | - .182 |
| 285 | 230 | - .639 | .150 | - .148 | -1 .198 | 285 | 307 | - .429 | .161 | .132 | - .941 | 285 | 929 | -1 .148 | .247 | - .276 | -1 .981 |
| 285 | 231 | - .668 | .129 | - .189 | -1 .133 | 285 | 308 | - .398 | .132 | .086 | - .859 | 285 | 930 | -1 .171 | .256 | - .460 | -2 .001 |
| 285 | 232 | - .670 | .153 | - .177 | -1 .218 | 285 | 309 | - .400 | .139 | .119 | - .825 | 285 | 931 | -1 .309 | .303 | - .557 | -2 .748 |
| 285 | 233 | - .704 | .153 | - .233 | -1 .313 | 285 | 310 | - .384 | .136 | .143 | - .804 | 285 | 932 | - .913 | .215 | - .242 | -2 .146 |
| 285 | 234 | - .666 | .149 | - .227 | -1 .169 | 285 | 311 | - .408 | .134 | .065 | - .885 | 285 | 933 | -1 .111 | .230 | - .578 | -1 .943 |
| 285 | 235 | - .651 | .137 | - .140 | -1 .133 | 285 | 312 | - .396 | .118 | .071 | - .812 | 285 | 934 | - .573 | .311 | - .578 | -1 .518 |
| 285 | 236 | - .635 | .163 | - .043 | -1 .183 | 285 | 313 | - .364 | .157 | .170 | - .797 | 285 | 935 | .121 | .322 | .941 | -1 .259 |
| 285 | 237 | - .692 | .166 | - .106 | -1 .230 | 285 | 314 | - .365 | .145 | .214 | - .835 | 285 | 936 | .407 | .263 | .336 | - .549 |
| 285 | 238 | - .649 | .148 | - .210 | -1 .140 | 285 | 401 | -1 .279 | .239 | - .233 | -2 .127 | 285 | 937 | - .703 | .252 | 1 .658 | - .330 |
| 285 | 239 | - .634 | .139 | - .183 | -1 .141 | 285 | 402 | -1 .266 | .261 | - .396 | -1 .966 | 285 | 938 | - .919 | .212 | - .261 | -1 .983 |
| 285 | 240 | - .617 | .142 | - .199 | -1 .167 | 285 | 403 | -1 .116 | .244 | - .381 | -2 .020 | 285 | 939 | - .997 | .238 | - .289 | -2 .150 |
| 285 | 241 | - .668 | .138 | - .062 | -1 .127 | 285 | 404 | - .899 | .227 | - .621 | -1 .716 | 285 | 940 | -1 .212 | .330 | - .390 | -2 .924 |
| 285 | 242 | - .651 | .152 | - .116 | -1 .460 | 285 | 405 | - .701 | .192 | - .624 | -1 .313 | 285 | 941 | -1 .778 | .199 | - .108 | -1 .514 |
| 285 | 243 | - .676 | .171 | - .156 | -1 .262 | 285 | 301 | - .588 | .259 | 1 .245 | - .306 | 285 | 942 | -1 .088 | .304 | - .251 | -2 .323 |
| 285 | 244 | - .662 | .152 | - .167 | -1 .147 | 285 | 302 | - .673 | .239 | 1 .464 | - .940 | 285 | 943 | -1 .291 | .407 | - .000 | -3 .947 |
| 285 | 245 | - .726 | .170 | - .084 | -1 .316 | 285 | 303 | - .812 | .220 | 1 .579 | - .012 | 285 | 944 | - .490 | .363 | - .643 | -2 .433 |
| 285 | 246 | - .749 | .180 | - .228 | -1 .338 | 285 | 304 | - .844 | .263 | 1 .483 | - .524 | 285 | 945 | .019 | .287 | .814 | -1 .170 |
| 285 | 247 | - .622 | .151 | - .112 | -1 .008 | 285 | 305 | - .284 | .272 | 1 .198 | - .717 | 285 | 946 | - .267 | .258 | 1 .090 | - .926 |
| 285 | 248 | - .639 | .145 | - .110 | -1 .091 | 285 | 306 | - .713 | .238 | 1 .399 | - .098 | 300 | 101 | .271 | .239 | 1 .048 | - .467 |
| 285 | 249 | - .650 | .134 | - .211 | -1 .183 | 285 | 307 | - .820 | .219 | 1 .509 | - .139 | 300 | 102 | .068 | .188 | .592 | - .570 |
| 285 | 250 | - .664 | .164 | - .169 | -1 .662 | 285 | 308 | - .768 | .282 | 1 .663 | - .199 | 300 | 103 | .112 | .178 | .524 | - .753 |
| 285 | 251 | - .641 | .154 | - .158 | -1 .143 | 285 | 309 | - .696 | .248 | 1 .416 | - .764 | 300 | 104 | .071 | .168 | .510 | - .613 |
| 285 | 252 | - .666 | .161 | - .187 | -1 .353 | 285 | 901 | -1 .298 | .299 | - .467 | -2 .617 | 300 | 105 | - .130 | .176 | - .444 | - .847 |
| 285 | 253 | - .680 | .159 | - .023 | -1 .302 | 285 | 902 | -1 .345 | .289 | - .529 | -2 .622 | 300 | 106 | .595 | .220 | 1 .213 | - .056 |
| 285 | 254 | - .796 | .220 | - .052 | -1 .754 | 285 | 903 | -1 .251 | .277 | - .347 | -2 .422 | 300 | 107 | .701 | .245 | 1 .404 | - .011 |
| 285 | 255 | - .866 | .236 | - .222 | -1 .832 | 285 | 904 | -1 .230 | .391 | - .086 | -3 .087 | 300 | 108 | .615 | .189 | 1 .093 | - .024 |
| 285 | 256 | - .612 | .143 | - .091 | -1 .142 | 285 | 905 | - .456 | .363 | - .491 | -2 .632 | 300 | 109 | .529 | .190 | 1 .323 | - .015 |
| 285 | 257 | - .606 | .142 | - .108 | -1 .091 | 285 | 906 | - .013 | .280 | - .864 | -1 .536 | 300 | 110 | .464 | .181 | 1 .053 | - .219 |
| 285 | 258 | - .629 | .139 | - .120 | -1 .125 | 285 | 907 | - .104 | .214 | - .836 | - .824 | 300 | 111 | .736 | .201 | 1 .464 | - .132 |
| 285 | 259 | - .656 | .137 | - .243 | -1 .137 | 285 | 908 | - .382 | .228 | - .268 | -1 .313 | 300 | 112 | .698 | .203 | 1 .297 | - .012 |
| 285 | 260 | - .682 | .155 | - .211 | -1 .470 | 285 | 909 | - .486 | .173 | - .033 | -1 .084 | 300 | 113 | .607 | .209 | 1 .192 | - .070 |
| 285 | 261 | - .669 | .171 | - .167 | -1 .432 | 285 | 910 | -1 .281 | .270 | - .501 | -2 .403 | 300 | 114 | .316 | .200 | 1 .100 | - .130 |
| 285 | 262 | - .672 | .160 | - .033 | -1 .353 | 285 | 911 | -1 .350 | .261 | - .611 | -2 .539 | 300 | 115 | .620 | .233 | 1 .270 | - .078 |
| 285 | 263 | - .796 | .202 | - .154 | -1 .549 | 285 | 912 | -1 .323 | .263 | - .529 | -2 .690 | 300 | 116 | .668 | .231 | 1 .300 | - .039 |
| 285 | 264 | - .817 | .203 | - .177 | -1 .580 | 285 | 913 | -1 .228 | .243 | - .527 | -2 .310 | 300 | 117 | .679 | .179 | 1 .304 | - .058 |
| 285 | 265 | - .613 | .140 | - .075 | -1 .107 | 285 | 914 | -1 .047 | .353 | - .687 | -3 .331 | 300 | 118 | .597 | .174 | 1 .279 | - .130 |
| 285 | 266 | - .645 | .145 | - .086 | -1 .194 | 285 | 915 | - .362 | .352 | - .533 | -1 .960 | 300 | 119 | .519 | .160 | 1 .021 | - .085 |
| 285 | 267 | - .629 | .138 | - .098 | -1 .074 | 285 | 916 | - .017 | .263 | - .697 | -1 .127 | 300 | 120 | .546 | .235 | 1 .264 | - .120 |
| 285 | 268 | - .634 | .142 | - .221 | -1 .173 | 285 | 917 | - .111 | .232 | 1 .029 | - .987 | 300 | 121 | .679 | .201 | 1 .255 | - .034 |
| 285 | 269 | - .667 | .167 | - .078 | -1 .204 | 285 | 918 | - .140 | .236 | - .727 | - .980 | 300 | 122 | .642 | .174 | 1 .185 | - .119 |
| 285 | 270 | - .658 | .164 | - .165 | -1 .409 | 285 | 919 | - .524 | .190 | - .151 | -1 .181 | 300 | 123 | .571 | .168 | 1 .064 | - .072 |
| 285 | 271 | - .661 | .164 | - .080 | -1 .228 | 285 | 920 | -1 .266 | .247 | - .557 | -2 .294 | 300 | 124 | .503 | .158 | 1 .020 | - .044 |
| 285 | 272 | - .736 | .186 | - .138 | -1 .601 | 285 | 921 | -1 .324 | .237 | - .450 | -2 .129 | 300 | 125 | .444 | .205 | 1 .122 | - .218 |
| 285 | 273 | - .741 | .183 | - .216 | -1 .362 | 285 | 922 | -1 .303 | .269 | - .578 | -2 .733 | 300 | 126 | .583 | .190 | 1 .228 | - .020 |
| 285 | 301 | - .696 | .180 | - .071 | -1 .069 | 285 | 923 | -1 .127 | .235 | - .397 | -2 .116 | 300 | 127 | .580 | .171 | 1 .138 | - .058 |
| 285 | 302 | - .670 | .190 | - .120 | -1 .366 | 285 | 924 | -1 .033 | .263 | - .689 | -2 .109 | 300 | 128 | .519 | .168 | 1 .117 | - .009 |
| 285 | 303 | - .650 | .150 | - .026 | -1 .043 | 285 | 925 | - .191 | .328 | - .648 | -1 .401 | 300 | 129 | .458 | .158 | .968 | - .030 |
| 285 | 304 | - .577 | .159 | - .012 | -1 .099 | 285 | 926 | - .230 | .277 | - .930 | -1 .369 | 300 | 130 | .358 | .162 | 1 .003 | - .233 |

| WD | TAP | CPMEAN | CPRNS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRNS | CPMAX | CPMIN | WD | TAP | CPMEAN | CPRNS | CPMAX | CPMIN |
|-----|-----|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|
| 300 | 131 | .537 | .166 | 1.039 | .016 | 300 | 242 | -.721 | .127 | -.294 | -1.107 | 300 | 405 | -.907 | -.207 | -.011 | -1.680 |
| 300 | 132 | .503 | .169 | 1.036 | .022 | 300 | 243 | -.713 | .130 | -.307 | -1.136 | 300 | 501 | -.247 | -.259 | 1.026 | -.557 |
| 300 | 133 | .483 | .159 | .975 | -.027 | 300 | 244 | -.770 | .118 | -.350 | -1.267 | 300 | 502 | -.267 | -.248 | 1.130 | -.568 |
| 300 | 134 | .439 | .152 | .953 | -.026 | 300 | 245 | -.780 | .142 | -.363 | -1.353 | 300 | 503 | -.323 | -.280 | 1.106 | -.716 |
| 300 | 135 | .348 | .189 | .982 | -.315 | 300 | 246 | -.770 | .141 | -.344 | -1.291 | 300 | 504 | -.193 | -.432 | 1.203 | -1.750 |
| 300 | 136 | .551 | .183 | 1.139 | -.020 | 300 | 247 | -.718 | .119 | -.292 | -1.074 | 300 | 505 | -.143 | -.230 | .960 | -.642 |
| 300 | 137 | .633 | .175 | 1.346 | .171 | 300 | 248 | -.722 | .125 | -.332 | -1.157 | 300 | 506 | -.321 | -.233 | .962 | -.607 |
| 300 | 138 | .628 | .173 | 1.369 | .148 | 300 | 249 | -.709 | .128 | -.263 | -1.122 | 300 | 507 | -.267 | -.277 | 1.030 | -.490 |
| 300 | 139 | .557 | .164 | 1.281 | .037 | 300 | 250 | -.708 | .129 | -.207 | -1.099 | 300 | 508 | -.281 | -.291 | 1.011 | -.899 |
| 300 | 201 | .731 | .167 | 1.204 | -1.021 | 300 | 251 | -.709 | .130 | -.278 | -1.276 | 300 | 509 | -.171 | -.277 | 1.032 | -.888 |
| 300 | 202 | .760 | .161 | 1.194 | -1.270 | 300 | 252 | -.749 | .123 | -.344 | -1.172 | 300 | 901 | -2.189 | -.452 | 1.560 | -3.960 |
| 300 | 203 | .737 | .207 | 1.152 | -2.205 | 300 | 253 | -.719 | .149 | -.273 | -1.228 | 300 | 902 | -.951 | -.331 | 1.113 | -2.938 |
| 300 | 204 | .696 | .146 | 1.242 | -.802 | 300 | 254 | -.802 | .154 | -.334 | -1.493 | 300 | 903 | -.543 | -.242 | 1.42 | -2.104 |
| 300 | 205 | .743 | .134 | 1.309 | -1.234 | 300 | 255 | -.871 | .207 | -.284 | -1.657 | 300 | 904 | -.499 | -.234 | 1.366 | -2.048 |
| 300 | 206 | .731 | .139 | 1.303 | -1.263 | 300 | 256 | -.696 | .125 | -.294 | -1.110 | 300 | 905 | -.341 | -.251 | 1.483 | -1.851 |
| 300 | 207 | .728 | .146 | 1.269 | -1.303 | 300 | 257 | -.683 | .114 | -.238 | -1.044 | 300 | 906 | -.220 | -.289 | 1.822 | -1.896 |
| 300 | 208 | .743 | .129 | 1.338 | -1.175 | 300 | 258 | -.701 | .123 | -.330 | -1.192 | 300 | 907 | -.189 | -.264 | 1.763 | -1.442 |
| 300 | 209 | .737 | .143 | 1.244 | -1.261 | 300 | 259 | -.707 | .134 | -.280 | -1.136 | 300 | 908 | -.128 | -.233 | 1.534 | -3.310 |
| 300 | 210 | .685 | .137 | 1.231 | -1.131 | 300 | 260 | -.676 | .125 | -.251 | -1.120 | 300 | 909 | -.268 | -.177 | 1.273 | -.917 |
| 300 | 211 | .693 | .141 | 1.254 | -1.190 | 300 | 261 | -.736 | .135 | -.269 | -1.251 | 300 | 910 | -3.063 | -.653 | 1.463 | -4.234 |
| 300 | 212 | .693 | .131 | 1.269 | -1.167 | 300 | 262 | -.730 | .151 | -.225 | -1.349 | 300 | 911 | -.718 | -.475 | 1.493 | -4.062 |
| 300 | 213 | .703 | .138 | 1.198 | -1.360 | 300 | 263 | -.821 | .139 | -.344 | -1.405 | 300 | 912 | -.707 | -.462 | 1.423 | -2.278 |
| 300 | 214 | .730 | .137 | 1.298 | -1.181 | 300 | 264 | -.783 | .141 | -.237 | -1.282 | 300 | 913 | -.107 | -.182 | 1.339 | -1.074 |
| 300 | 215 | .737 | .141 | 1.198 | -1.215 | 300 | 265 | -.693 | .123 | -.347 | -1.183 | 300 | 914 | -.403 | -.218 | 1.261 | -1.898 |
| 300 | 216 | .746 | .129 | 1.301 | -1.217 | 300 | 266 | -.703 | .132 | -.169 | -1.201 | 300 | 915 | -.323 | -.265 | 1.732 | -2.286 |
| 300 | 217 | .821 | .276 | 1.296 | -2.996 | 300 | 267 | -.653 | .135 | -.140 | -1.172 | 300 | 916 | -.254 | -.256 | 1.537 | -1.501 |
| 300 | 218 | .721 | .135 | 1.267 | -1.181 | 300 | 268 | -.691 | .139 | -.237 | -1.119 | 300 | 917 | -.214 | -.295 | 1.543 | -1.366 |
| 300 | 219 | .738 | .143 | 1.321 | -1.196 | 300 | 269 | -.718 | .129 | -.346 | -1.184 | 300 | 918 | -.257 | -.318 | 1.426 | -2.153 |
| 300 | 220 | .714 | .123 | 1.334 | -1.158 | 300 | 270 | -.727 | .133 | -.294 | -1.161 | 300 | 919 | -.193 | -.173 | 1.753 | -.887 |
| 300 | 221 | .697 | .129 | 1.238 | -1.170 | 300 | 271 | -.717 | .135 | -.250 | -1.170 | 300 | 920 | -1.930 | -.285 | 1.987 | -3.064 |
| 300 | 222 | .726 | .126 | 1.263 | -1.138 | 300 | 272 | -.790 | .151 | -.311 | -1.363 | 300 | 921 | -2.143 | -.363 | 1.603 | -3.377 |
| 300 | 223 | .703 | .141 | 1.184 | -1.101 | 300 | 273 | -.768 | .143 | -.308 | -1.228 | 300 | 922 | -.869 | -.423 | 1.039 | -2.667 |
| 300 | 224 | .711 | .139 | 1.303 | -1.188 | 300 | 301 | -.577 | .197 | -.092 | -1.253 | 300 | 923 | -.673 | -.233 | 1.250 | -1.973 |
| 300 | 225 | .733 | .132 | 1.330 | -1.217 | 300 | 302 | -.634 | .221 | -.073 | -1.438 | 300 | 924 | -.451 | -.244 | 1.541 | -1.487 |
| 300 | 226 | .722 | .146 | 1.236 | -1.203 | 300 | 303 | -.342 | .176 | -.261 | -.937 | 300 | 925 | -.256 | -.238 | 1.483 | -.966 |
| 300 | 227 | .757 | .136 | 1.296 | -1.230 | 300 | 304 | -.476 | .185 | -.058 | -1.135 | 300 | 926 | -.213 | -.223 | 1.537 | -.933 |
| 300 | 228 | .757 | .145 | 1.173 | -1.299 | 300 | 305 | -.283 | .153 | -.186 | -.773 | 300 | 927 | -.149 | -.236 | 1.701 | -1.323 |
| 300 | 229 | .721 | .119 | 1.351 | -1.162 | 300 | 306 | -.269 | .125 | -.203 | -.638 | 300 | 928 | -.276 | -.286 | 1.786 | -.850 |
| 300 | 230 | .718 | .120 | 1.292 | -1.142 | 300 | 307 | -.314 | .141 | -.217 | -.758 | 300 | 929 | -.111 | -.213 | 1.498 | -2.122 |
| 300 | 231 | .703 | .129 | 1.237 | -1.169 | 300 | 308 | -.303 | .114 | -.071 | -.691 | 300 | 930 | -1.528 | -.246 | 1.773 | -4.762 |
| 300 | 232 | .708 | .127 | 1.298 | -1.136 | 300 | 309 | -.292 | .127 | -.093 | -.793 | 300 | 931 | -1.703 | -.367 | 1.613 | -4.746 |
| 300 | 233 | .709 | .125 | 1.346 | -1.096 | 300 | 310 | -.279 | .126 | -.161 | -.693 | 300 | 932 | -.335 | -.226 | 1.976 | -1.642 |
| 300 | 234 | .711 | .122 | 1.280 | -1.153 | 300 | 311 | -.284 | .169 | -.240 | -.837 | 300 | 933 | -.164 | -.300 | 1.686 | -1.520 |
| 300 | 235 | .736 | .155 | 1.143 | -.397 | 300 | 312 | -.284 | .128 | -.180 | -.676 | 300 | 934 | -.079 | -.236 | 1.676 | -1.196 |
| 300 | 236 | .792 | .146 | 1.407 | -1.272 | 300 | 313 | -.268 | .158 | -.277 | -.819 | 300 | 935 | -.005 | -.223 | 1.904 | -.897 |
| 300 | 237 | .794 | .143 | 1.433 | -1.307 | 300 | 314 | -.289 | .126 | -.066 | -.726 | 300 | 936 | -.048 | -.209 | 1.763 | -.972 |
| 300 | 238 | .696 | .129 | 1.181 | -1.129 | 300 | 401 | -.526 | .225 | -.142 | -1.530 | 300 | 937 | -.342 | -.236 | 1.309 | -.545 |
| 300 | 239 | .713 | .133 | 1.332 | -1.140 | 300 | 402 | -.549 | .231 | -.159 | -.596 | 300 | 938 | -1.286 | -.204 | 1.543 | -1.838 |
| 300 | 240 | .731 | .115 | 1.330 | -1.120 | 300 | 403 | -.700 | .274 | -.113 | -.077 | 300 | 939 | -1.283 | -.230 | 1.563 | -2.323 |
| 300 | 241 | .712 | .121 | 1.292 | -1.107 | 300 | 404 | -1.078 | .257 | -.033 | -1.982 | 300 | 940 | -1.353 | -.257 | 1.553 | -3.249 |

| WD | TAP | CPHEAN | CPRNS | CPMAX | CPMIN | WD | TAP | CPHEAN | CPRNS | CPMAX | CPMIN | WD | TAP | CPHEAN | CPRNS | CPMAX | CPMIN |
|------|-----|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|
| 3400 | 941 | -1.169 | .229 | -.395 | -2.095 | 315 | 206 | -.808 | -.133 | -.343 | -1.480 | 315 | 256 | -.751 | .136 | -.254 | -1.274 |
| 3400 | 942 | -.883 | .329 | -.090 | -2.071 | 315 | 207 | -.758 | -.148 | -.276 | -1.254 | 315 | 257 | -.744 | .135 | -.306 | -1.186 |
| 3400 | 943 | -.226 | .220 | .372 | -1.134 | 315 | 208 | -.769 | -.130 | -.382 | -1.199 | 315 | 258 | -.737 | .149 | -.249 | -1.204 |
| 3400 | 944 | -.071 | .227 | .582 | -1.111 | 315 | 209 | -.780 | -.140 | -.286 | -1.246 | 315 | 259 | -.798 | .125 | -.341 | -1.159 |
| 3400 | 945 | -.031 | .209 | .723 | -1.142 | 315 | 210 | -.795 | -.143 | -.339 | -1.268 | 315 | 260 | -.771 | .145 | -.263 | -1.261 |
| 3400 | 946 | -.175 | .209 | .929 | -.653 | 315 | 211 | -.782 | -.147 | -.317 | -1.317 | 315 | 261 | -.800 | .148 | -.267 | -1.436 |
| 315 | 101 | -.109 | .302 | .821 | -1.267 | 315 | 212 | -.819 | -.136 | -.396 | -1.250 | 315 | 262 | -.810 | .148 | -.370 | -1.294 |
| 315 | 102 | -.089 | .209 | .443 | -1.413 | 315 | 213 | -.759 | -.139 | -.213 | -1.242 | 315 | 263 | -.889 | .184 | -.282 | -1.653 |
| 315 | 103 | -.269 | .181 | .330 | -.853 | 315 | 214 | -.767 | -.139 | -.337 | -1.297 | 315 | 264 | -.881 | .193 | -.315 | -1.683 |
| 315 | 104 | -.241 | .175 | .663 | -.789 | 315 | 215 | -.774 | -.152 | -.194 | -1.301 | 315 | 265 | -.728 | .150 | -.256 | -1.193 |
| 315 | 105 | -.316 | .171 | .235 | -1.085 | 315 | 216 | -.799 | -.132 | -.339 | -1.232 | 315 | 266 | -.747 | .130 | -.325 | -1.177 |
| 315 | 106 | -.322 | .302 | 1.264 | -.660 | 315 | 217 | -.844 | -.253 | -.317 | -2.254 | 315 | 267 | -.772 | .132 | -.290 | -1.224 |
| 315 | 107 | -.323 | .241 | 1.146 | -.603 | 315 | 218 | -.790 | -.140 | -.331 | -1.213 | 315 | 268 | -.770 | .142 | -.269 | -1.393 |
| 315 | 108 | -.404 | .194 | 1.048 | -.110 | 315 | 219 | -.813 | -.141 | -.354 | -1.289 | 315 | 269 | -.746 | .141 | -.357 | -1.425 |
| 315 | 109 | -.297 | .177 | .776 | -.216 | 315 | 220 | -.763 | -.129 | -.317 | -1.262 | 315 | 270 | -.809 | .145 | -.384 | -1.253 |
| 315 | 110 | -.250 | .165 | .865 | -.280 | 315 | 221 | -.756 | -.126 | -.290 | -1.220 | 315 | 271 | -.817 | .143 | -.345 | -1.450 |
| 315 | 111 | -.475 | .200 | 1.078 | -.219 | 315 | 222 | -.791 | -.145 | -.304 | -1.235 | 315 | 272 | -.873 | .178 | -.370 | -1.852 |
| 315 | 112 | -.467 | .185 | .052 | -.078 | 315 | 223 | -.789 | -.128 | -.298 | -1.220 | 315 | 273 | -.880 | .154 | -.366 | -1.504 |
| 315 | 113 | -.352 | .169 | 1.025 | -.216 | 315 | 224 | -.788 | -.137 | -.290 | -1.204 | 315 | 301 | -.241 | .233 | .517 | 1.317 |
| 315 | 114 | -.274 | .188 | .898 | -.283 | 315 | 225 | -.812 | -.150 | -.290 | -1.290 | 315 | 302 | -.194 | .241 | .769 | -1.463 |
| 315 | 115 | -.529 | .324 | 1.363 | -.806 | 315 | 226 | -.830 | -.132 | -.325 | -1.282 | 315 | 303 | -.041 | .199 | .678 | -.810 |
| 315 | 116 | -.460 | .196 | 1.100 | -.231 | 315 | 227 | -.833 | -.157 | -.345 | -1.526 | 315 | 304 | -.141 | .194 | .515 | -.829 |
| 315 | 117 | -.521 | .173 | 1.038 | -.105 | 315 | 228 | -.845 | -.140 | -.272 | -1.386 | 315 | 305 | -.060 | .164 | .594 | -.601 |
| 315 | 118 | -.395 | .153 | .958 | -.093 | 315 | 229 | -.751 | -.132 | -.345 | -1.236 | 315 | 306 | -.040 | .144 | .385 | -.583 |
| 315 | 119 | -.302 | .150 | .736 | -.144 | 315 | 230 | -.758 | -.130 | -.384 | -1.192 | 315 | 307 | -.081 | .153 | .387 | -.578 |
| 315 | 120 | -.443 | .307 | 1.221 | -.476 | 315 | 231 | -.780 | -.138 | -.269 | -1.212 | 315 | 308 | -.088 | .117 | .334 | -.540 |
| 315 | 121 | -.477 | .188 | 1.076 | -.189 | 315 | 232 | -.792 | -.137 | -.325 | -1.288 | 315 | 309 | -.088 | .130 | .315 | -.506 |
| 315 | 122 | -.476 | .190 | 1.053 | -.118 | 315 | 233 | -.793 | -.146 | -.348 | -1.370 | 315 | 310 | -.080 | .143 | .348 | -.551 |
| 315 | 123 | -.350 | .172 | .870 | -.159 | 315 | 234 | -.829 | -.141 | -.403 | -1.337 | 315 | 311 | -.089 | .146 | .387 | -.625 |
| 315 | 124 | -.267 | .161 | .742 | -.251 | 315 | 235 | -.810 | -.151 | -.282 | -1.395 | 315 | 312 | -.073 | .134 | .464 | -.575 |
| 315 | 125 | -.364 | .271 | 1.016 | -.836 | 315 | 236 | -.845 | -.162 | -.277 | -1.591 | 315 | 313 | -.064 | .148 | .445 | -.610 |
| 315 | 126 | -.383 | .182 | .934 | -.387 | 315 | 237 | -.861 | -.156 | -.416 | -1.594 | 315 | 314 | -.069 | .141 | .458 | -.498 |
| 315 | 127 | -.460 | .172 | 1.049 | -.095 | 315 | 238 | -.771 | -.138 | -.368 | -1.321 | 315 | 401 | -.999 | .188 | -.355 | -1.906 |
| 315 | 128 | -.348 | .154 | .823 | -.144 | 315 | 239 | -.754 | -.152 | -.116 | -1.257 | 315 | 402 | -.790 | .204 | -.150 | -1.553 |
| 315 | 129 | -.266 | .145 | .686 | -.178 | 315 | 240 | -.789 | -.124 | -.368 | -1.186 | 315 | 403 | -.823 | .192 | -.152 | -1.733 |
| 315 | 130 | -.289 | .264 | 1.075 | -.603 | 315 | 241 | -.750 | -.143 | -.255 | -1.216 | 315 | 404 | -.672 | .267 | -.028 | -2.061 |
| 315 | 131 | -.400 | .188 | 1.010 | -.276 | 315 | 242 | -.791 | -.137 | -.343 | -1.231 | 315 | 405 | -.818 | .207 | -.165 | -1.511 |
| 315 | 132 | -.376 | .156 | .870 | -.142 | 315 | 243 | -.803 | -.138 | -.355 | -.311 | 315 | 501 | -.113 | .215 | .576 | -.893 |
| 315 | 133 | -.319 | .154 | .801 | -.185 | 315 | 244 | -.825 | -.153 | -.341 | -.513 | 315 | 502 | -.101 | .225 | .747 | -.910 |
| 315 | 134 | -.250 | .148 | .722 | -.192 | 315 | 245 | -.891 | -.164 | -.292 | -.593 | 315 | 503 | -.057 | .269 | .694 | -1.183 |
| 315 | 135 | -.418 | .193 | 1.154 | -.328 | 315 | 246 | -.847 | -.160 | -.325 | -1.435 | 315 | 504 | -.430 | .380 | 1.003 | -1.769 |
| 315 | 136 | -.438 | .199 | 1.070 | -.195 | 315 | 247 | -.753 | -.132 | -.305 | -1.291 | 315 | 505 | -.276 | .205 | .546 | -.922 |
| 315 | 137 | -.441 | .155 | .997 | -.061 | 315 | 248 | -.741 | -.135 | -.318 | -1.272 | 315 | 506 | -.031 | .215 | .735 | -.715 |
| 315 | 138 | -.358 | .145 | .891 | -.126 | 315 | 249 | -.752 | -.139 | -.357 | -1.183 | 315 | 507 | -.102 | .281 | .650 | -1.054 |
| 315 | 139 | -.271 | .136 | .777 | -.178 | 315 | 250 | -.791 | -.138 | -.386 | -.339 | 315 | 508 | -.071 | .315 | .857 | -1.534 |
| 315 | 201 | -.793 | .134 | -.337 | -1.287 | 315 | 251 | -.762 | -.142 | -.280 | -1.259 | 315 | 509 | -.198 | .338 | .811 | -1.534 |
| 315 | 202 | -.828 | .150 | -.315 | -1.315 | 315 | 252 | -.791 | -.145 | -.353 | -1.294 | 315 | 901 | -.730 | .363 | -.539 | -3.303 |
| 315 | 203 | -.903 | .157 | -.294 | -1.634 | 315 | 253 | -.810 | -.143 | -.347 | -.380 | 315 | 902 | -.182 | .225 | -.493 | -2.349 |
| 315 | 204 | -.788 | .138 | -.215 | -1.278 | 315 | 254 | -.872 | -.168 | -.343 | -.567 | 315 | 903 | -.133 | .310 | -.455 | -2.512 |
| 315 | 205 | -.802 | .144 | -.317 | -1.250 | 315 | 255 | -.939 | -.216 | -.286 | -1.856 | 315 | 904 | -.740 | .198 | -.060 | -1.682 |

| MD | TAP | CPNEAK | CPNS | CPMAX | CPMIN | MD | TAP | CPNEAK | CPNS | CPMAX | CPMIN | MD | TAP | CPNEAK | CPNS | CPMAX | CPMIN |
|-----|-----|--------|------|-------|-------|-----|-----|--------|-------|-------|-------|-----|-----|--------|-------|-------|--------|
| 330 | 903 | .621 | .197 | .017 | -.1 | 330 | 109 | .028 | -.162 | .561 | -.780 | 330 | 220 | -.686 | -.127 | -.214 | -1.104 |
| 330 | 906 | .539 | .219 | .223 | -.1 | 330 | 110 | .037 | -.156 | .553 | -.597 | 330 | 221 | -.651 | -.136 | -.221 | -1.097 |
| 330 | 907 | .569 | .225 | .180 | -.1 | 330 | 111 | .323 | -.367 | .772 | -.374 | 330 | 222 | -.624 | -.136 | -.181 | -1.058 |
| 330 | 908 | .377 | .276 | .375 | -.1 | 330 | 112 | .086 | -.335 | .572 | -.545 | 330 | 223 | -.665 | -.134 | -.152 | -1.086 |
| 330 | 909 | .056 | .184 | .629 | -.1 | 330 | 113 | .028 | -.186 | .474 | -.925 | 330 | 224 | -.683 | -.136 | -.225 | -1.092 |
| 330 | 910 | .263 | .729 | .214 | -.4 | 330 | 114 | .024 | -.152 | .787 | -.560 | 330 | 225 | -.697 | -.132 | -.291 | -1.183 |
| 330 | 911 | .295 | .309 | .312 | -.2 | 330 | 115 | .532 | -.283 | .396 | -.555 | 330 | 226 | -.682 | -.139 | -.247 | -1.117 |
| 330 | 912 | .240 | .228 | .387 | -.2 | 330 | 116 | .328 | -.316 | .469 | -.497 | 330 | 227 | -.673 | -.149 | -.195 | -1.221 |
| 330 | 913 | .799 | .188 | .187 | -.1 | 330 | 117 | .173 | -.323 | .738 | -.490 | 330 | 228 | -.744 | -.153 | -.218 | -1.262 |
| 330 | 914 | .799 | .206 | .033 | -.1 | 330 | 118 | .009 | -.247 | .510 | -.134 | 330 | 229 | -.644 | -.140 | -.224 | -1.090 |
| 330 | 915 | .623 | .213 | .098 | -.2 | 330 | 119 | .007 | -.151 | .454 | -.737 | 330 | 230 | -.672 | -.144 | -.229 | -1.181 |
| 330 | 916 | .572 | .210 | .009 | -.1 | 330 | 120 | .411 | -.219 | .693 | -.320 | 330 | 231 | -.690 | -.122 | -.263 | -1.066 |
| 330 | 917 | .590 | .245 | .134 | -.1 | 330 | 121 | .395 | -.318 | .667 | -.370 | 330 | 232 | -.667 | -.139 | -.231 | -1.163 |
| 330 | 918 | .737 | .404 | .485 | -.3 | 330 | 122 | .152 | -.329 | .686 | -.314 | 330 | 233 | -.677 | -.114 | -.267 | -1.191 |
| 330 | 919 | .068 | .192 | .681 | -.3 | 330 | 123 | .004 | -.223 | .645 | -.933 | 330 | 234 | -.711 | -.131 | -.336 | -1.187 |
| 330 | 920 | .093 | .364 | .920 | -.3 | 330 | 124 | .009 | -.151 | .519 | -.780 | 330 | 235 | -.708 | -.157 | -.207 | -1.322 |
| 330 | 921 | .289 | .575 | .108 | -.3 | 330 | 125 | .425 | -.262 | .566 | -.701 | 330 | 236 | -.764 | -.156 | -.253 | -1.332 |
| 330 | 922 | .622 | .175 | .010 | -.1 | 330 | 126 | .299 | -.307 | .528 | -.025 | 330 | 237 | -.762 | -.158 | -.184 | -1.498 |
| 330 | 923 | .847 | .200 | .208 | -.1 | 330 | 127 | .240 | -.309 | .652 | -.025 | 330 | 238 | -.658 | -.140 | -.168 | -1.192 |
| 330 | 924 | .738 | .207 | .034 | -.1 | 330 | 128 | .122 | -.259 | .458 | -.066 | 330 | 239 | -.654 | -.136 | -.150 | -1.107 |
| 330 | 925 | .630 | .208 | .219 | -.1 | 330 | 129 | .054 | -.169 | .479 | -.793 | 330 | 240 | -.665 | -.135 | -.225 | -1.155 |
| 330 | 926 | .575 | .236 | .162 | -.1 | 330 | 130 | .362 | -.230 | .267 | -.506 | 330 | 241 | -.709 | -.121 | -.311 | -1.231 |
| 330 | 927 | .492 | .288 | .432 | -.2 | 330 | 131 | .325 | -.283 | .504 | -.659 | 330 | 242 | -.684 | -.141 | -.249 | -1.161 |
| 330 | 928 | .613 | .277 | .874 | -.2 | 330 | 132 | .172 | -.286 | .690 | -.091 | 330 | 243 | -.703 | -.134 | -.261 | -1.187 |
| 330 | 929 | .524 | .277 | .529 | -.2 | 330 | 133 | .043 | -.209 | .598 | -.998 | 330 | 244 | -.750 | -.134 | -.283 | -1.360 |
| 330 | 930 | .825 | .310 | .567 | -.1 | 330 | 134 | .020 | -.151 | .483 | -.515 | 330 | 245 | -.825 | -.128 | -.227 | -1.517 |
| 330 | 931 | .881 | .415 | .021 | -.2 | 330 | 135 | .274 | -.276 | .494 | -.224 | 330 | 246 | -.832 | -.183 | -.182 | -1.559 |
| 330 | 932 | .635 | .188 | .151 | -.1 | 330 | 136 | .202 | -.312 | .615 | -.382 | 330 | 247 | -.660 | -.143 | -.248 | -1.136 |
| 330 | 933 | .241 | .221 | .408 | -.1 | 330 | 137 | .138 | -.325 | .582 | -.424 | 330 | 248 | -.630 | -.148 | -.175 | -1.084 |
| 330 | 934 | .392 | .215 | .315 | -.1 | 330 | 138 | .023 | -.236 | .496 | -.344 | 330 | 249 | -.653 | -.139 | -.056 | -1.121 |
| 330 | 935 | .296 | .219 | .391 | -.1 | 330 | 139 | .030 | -.164 | .431 | -.780 | 330 | 250 | -.686 | -.138 | -.187 | -1.245 |
| 330 | 936 | .253 | .253 | .780 | -.1 | 330 | 201 | .641 | -.141 | .204 | -.202 | 330 | 251 | -.718 | -.140 | -.142 | -1.173 |
| 330 | 937 | .008 | .221 | .999 | -.2 | 330 | 202 | .615 | -.138 | .142 | -.100 | 330 | 252 | -.709 | -.150 | -.263 | -1.227 |
| 330 | 938 | .250 | .224 | .546 | -.2 | 330 | 203 | .738 | -.146 | .228 | -.282 | 330 | 253 | -.699 | -.150 | -.241 | -1.191 |
| 330 | 939 | .442 | .228 | .739 | -.2 | 330 | 204 | .748 | -.162 | .258 | -.537 | 330 | 254 | -.796 | -.220 | -.052 | -1.723 |
| 330 | 940 | .731 | .465 | .302 | -.4 | 330 | 205 | .697 | -.133 | .284 | -.146 | 330 | 255 | -.971 | -.256 | -.258 | -2.030 |
| 330 | 941 | .947 | .261 | .041 | -.1 | 330 | 206 | .708 | -.143 | .172 | -.336 | 330 | 256 | -.641 | -.146 | -.168 | -1.158 |
| 330 | 942 | .492 | .176 | .094 | -.1 | 330 | 207 | .713 | -.186 | .152 | -.420 | 330 | 257 | -.638 | -.133 | -.225 | -1.010 |
| 330 | 943 | .310 | .199 | .466 | -.1 | 330 | 208 | .710 | -.141 | .230 | -.268 | 330 | 258 | -.668 | -.126 | -.209 | -1.149 |
| 330 | 944 | .233 | .205 | .506 | -.1 | 330 | 209 | .709 | -.127 | .286 | -.312 | 330 | 259 | -.708 | -.145 | -.255 | -1.249 |
| 330 | 945 | .382 | .234 | .449 | -.1 | 330 | 210 | .647 | -.147 | .190 | -.236 | 330 | 260 | -.656 | -.136 | -.221 | -1.127 |
| 330 | 946 | .291 | .210 | .391 | -.1 | 330 | 211 | .639 | -.117 | .220 | -.130 | 330 | 261 | -.698 | -.135 | -.173 | -1.119 |
| 330 | 101 | .876 | .879 | .283 | -.2 | 330 | 212 | .673 | -.122 | .304 | -.106 | 330 | 262 | -.668 | -.163 | -.044 | -1.229 |
| 330 | 102 | .222 | .979 | .210 | -.2 | 330 | 213 | .671 | -.148 | .176 | -.212 | 330 | 263 | -.830 | -.218 | -.223 | -1.588 |
| 330 | 103 | .277 | .171 | .384 | -.1 | 330 | 214 | .667 | -.138 | .226 | -.136 | 330 | 264 | -.849 | -.211 | -.304 | -1.677 |
| 330 | 104 | .301 | .169 | .494 | -.1 | 330 | 215 | .670 | -.136 | .146 | -.150 | 330 | 265 | -.639 | -.128 | -.106 | -1.074 |
| 330 | 105 | .359 | .152 | .083 | -.1 | 330 | 216 | .685 | -.154 | .240 | -.599 | 330 | 266 | -.662 | -.123 | -.273 | -1.099 |
| 330 | 106 | .496 | .236 | .083 | -.1 | 330 | 217 | .795 | -.234 | .170 | -.050 | 330 | 267 | -.659 | -.126 | -.114 | -1.064 |
| 330 | 107 | .472 | .359 | .731 | -.1 | 330 | 218 | .700 | -.139 | .264 | -.232 | 330 | 268 | -.659 | -.142 | -.221 | -1.131 |
| 330 | 108 | .606 | .281 | .839 | -.1 | 330 | 219 | .715 | -.141 | .264 | -.264 | 330 | 269 | -.655 | -.129 | -.275 | -1.105 |

| MD | TAP | CPNEAR | CPRNS | CPMAX | CPMIN | MD | TAP | CPNEAR | CPRNS | CPMAX | CPMIN | MD | TAP | CPNEAR | CPRNS | CPMAX | CPMIN |
|-----|-----|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|
| 330 | 270 | .676 | .123 | .171 | -.1076 | 330 | 919 | .293 | .239 | 1.031 | -.708 | 345 | 123 | -.909 | .369 | .497 | -1.868 |
| 330 | 271 | .702 | .147 | .257 | -.1205 | 330 | 920 | -.379 | .332 | -.378 | -2.538 | 345 | 124 | -.747 | .334 | .433 | -1.904 |
| 330 | 272 | .777 | .161 | .311 | -.1354 | 330 | 921 | -.494 | .210 | -.086 | -1.663 | 345 | 125 | -.889 | .250 | -.270 | -2.071 |
| 330 | 273 | .794 | .182 | .270 | -.1488 | 330 | 922 | -.696 | .163 | -.106 | -1.256 | 345 | 126 | -.927 | .282 | -.175 | -2.480 |
| 330 | 301 | .156 | .232 | .017 | -.695 | 330 | 923 | -.019 | .268 | -.373 | -1.688 | 345 | 127 | -.884 | .244 | -.212 | -2.303 |
| 330 | 302 | .209 | .248 | .973 | -.369 | 330 | 924 | -.982 | .203 | -.336 | -1.789 | 345 | 128 | -.845 | .273 | -.112 | -1.892 |
| 330 | 303 | .236 | .166 | .787 | -.406 | 330 | 925 | -.938 | .200 | -.263 | -1.688 | 345 | 129 | -.677 | .274 | -.177 | -1.655 |
| 330 | 304 | .253 | .203 | .851 | -.797 | 330 | 926 | -.846 | .198 | -.170 | -1.882 | 345 | 130 | -.666 | .254 | -.188 | -2.194 |
| 330 | 305 | .213 | .194 | .954 | -.342 | 330 | 927 | -.855 | .272 | -.107 | -1.934 | 345 | 131 | -.929 | .263 | -.179 | -2.448 |
| 330 | 306 | .247 | .152 | .802 | -.274 | 330 | 928 | -.560 | .313 | -.758 | -1.696 | 345 | 132 | -.850 | .263 | -.241 | -1.156 |
| 330 | 307 | .173 | .189 | .655 | -.410 | 330 | 929 | -.237 | .264 | -.048 | -2.121 | 345 | 133 | -.735 | .312 | -.383 | -2.030 |
| 330 | 308 | .167 | .150 | .674 | -.450 | 330 | 930 | -.136 | .492 | -.137 | -2.500 | 345 | 134 | -.554 | .323 | -.355 | -1.714 |
| 330 | 309 | .171 | .161 | .663 | -.323 | 330 | 931 | -.531 | .150 | -.007 | -1.213 | 345 | 135 | -.892 | .325 | -.075 | -1.839 |
| 330 | 310 | .191 | .149 | .722 | -.250 | 330 | 932 | -.760 | .207 | -.040 | -1.957 | 345 | 136 | -.913 | .279 | -.034 | -2.145 |
| 330 | 311 | .186 | .158 | .626 | -.356 | 330 | 933 | -.634 | .199 | -.020 | -1.409 | 345 | 137 | -.911 | .283 | -.056 | -2.325 |
| 330 | 312 | .174 | .150 | .728 | -.416 | 330 | 934 | -.689 | .217 | -.076 | -1.367 | 345 | 138 | -.777 | .323 | -.456 | -1.870 |
| 330 | 313 | .188 | .151 | .735 | -.216 | 330 | 935 | -.617 | .232 | -.191 | -1.512 | 345 | 139 | -.617 | .318 | -.287 | -1.981 |
| 330 | 314 | .200 | .141 | .756 | -.230 | 330 | 936 | -.571 | .246 | -.324 | -1.496 | 345 | 201 | -.536 | .142 | -.145 | -1.034 |
| 330 | 401 | -.272 | .198 | .669 | -.979 | 330 | 937 | -.445 | .218 | -.446 | -1.111 | 345 | 202 | -.498 | .143 | -.062 | -1.960 |
| 330 | 402 | -.021 | .193 | .368 | -.684 | 330 | 938 | -.087 | .242 | -.186 | -1.887 | 345 | 203 | -.529 | .163 | -.032 | -1.016 |
| 330 | 403 | -.028 | .183 | .450 | -.652 | 330 | 939 | -.332 | .316 | -.247 | -2.244 | 345 | 204 | -.650 | .168 | -.169 | -1.492 |
| 330 | 404 | -.762 | .218 | .124 | -.809 | 330 | 940 | -.583 | .251 | -.083 | -2.682 | 345 | 205 | -.617 | .153 | -.060 | -1.684 |
| 330 | 405 | -.615 | .183 | .077 | -.359 | 330 | 941 | -.710 | .163 | -.123 | -1.409 | 345 | 206 | -.629 | .143 | -.120 | -1.095 |
| 330 | 501 | -.453 | .195 | .134 | -.150 | 330 | 942 | -.480 | .165 | -.034 | -1.314 | 345 | 207 | -.657 | .176 | -.179 | -1.420 |
| 330 | 502 | -.479 | .200 | .229 | -.801 | 330 | 943 | -.512 | .204 | -.214 | -1.202 | 345 | 208 | -.604 | .139 | -.092 | -1.095 |
| 330 | 503 | -.593 | .245 | .296 | -.660 | 330 | 944 | -.518 | .194 | -.344 | -1.299 | 345 | 209 | -.614 | .137 | -.201 | -1.110 |
| 330 | 504 | -.032 | .280 | .089 | -.110 | 330 | 945 | -.543 | .209 | -.204 | -1.378 | 345 | 210 | -.516 | .146 | -.031 | -1.997 |
| 330 | 505 | -.546 | .175 | .017 | -.093 | 330 | 946 | -.562 | .170 | -.117 | -1.088 | 345 | 211 | -.569 | .137 | -.033 | -1.067 |
| 330 | 506 | -.402 | .219 | .341 | -.052 | 345 | 101 | -.373 | .288 | -.604 | -2.687 | 345 | 212 | -.500 | .140 | -.004 | -1.975 |
| 330 | 507 | -.513 | .235 | .740 | -.289 | 345 | 102 | -.408 | .327 | -.243 | -2.888 | 345 | 213 | -.564 | .140 | -.031 | -1.997 |
| 330 | 508 | -.667 | .298 | .367 | -.143 | 345 | 103 | -.745 | .336 | -.296 | -2.044 | 345 | 214 | -.553 | .147 | -.127 | -1.361 |
| 330 | 509 | -.874 | .344 | .271 | -.080 | 345 | 104 | -.374 | .201 | -.255 | -1.454 | 345 | 215 | -.600 | .180 | -.062 | -2.174 |
| 330 | 901 | -.858 | .340 | .644 | -.460 | 345 | 105 | -.353 | .158 | -.357 | -1.381 | 345 | 216 | -.608 | .152 | -.175 | -1.389 |
| 330 | 902 | -.362 | .201 | .667 | -.043 | 345 | 106 | -.230 | .249 | -.477 | -2.048 | 345 | 217 | -.618 | .205 | -.042 | -2.174 |
| 330 | 903 | -.350 | .273 | .546 | -.665 | 345 | 107 | -.194 | .260 | -.299 | -2.467 | 345 | 218 | -.615 | .133 | -.197 | -1.147 |
| 330 | 904 | -.996 | .188 | .880 | -.795 | 345 | 108 | -.144 | .390 | -.442 | -2.383 | 345 | 219 | -.611 | .148 | -.040 | -1.300 |
| 330 | 905 | -.883 | .177 | .302 | -.605 | 345 | 109 | -.564 | .341 | -.468 | -1.684 | 345 | 220 | -.512 | .141 | -.001 | -1.962 |
| 330 | 906 | -.864 | .171 | .257 | -.322 | 345 | 110 | -.282 | .215 | -.451 | -1.362 | 345 | 221 | -.547 | .139 | -.118 | -1.018 |
| 330 | 907 | -.899 | .257 | .194 | -.911 | 345 | 111 | -.171 | .242 | -.408 | -1.086 | 345 | 222 | -.519 | .140 | -.067 | -1.916 |
| 330 | 908 | -.654 | .367 | .488 | -.300 | 345 | 112 | -.118 | .314 | -.363 | -2.286 | 345 | 223 | -.541 | .162 | -.013 | -1.072 |
| 330 | 909 | -.231 | .323 | .957 | -.335 | 345 | 113 | -.815 | .378 | -.472 | -1.981 | 345 | 224 | -.549 | .137 | -.004 | -1.994 |
| 330 | 910 | -.881 | .398 | .681 | -.775 | 345 | 114 | -.422 | .313 | -.357 | -1.831 | 345 | 225 | -.586 | .160 | -.031 | -1.059 |
| 330 | 911 | -.578 | .233 | .774 | -.308 | 345 | 115 | -.956 | .211 | -.219 | -1.653 | 345 | 226 | -.598 | .143 | -.063 | -1.089 |
| 330 | 912 | -.368 | .216 | .714 | -.182 | 345 | 116 | -.057 | .200 | -.419 | -1.810 | 345 | 227 | -.572 | .143 | -.102 | -1.013 |
| 330 | 913 | -.668 | .197 | .443 | -.645 | 345 | 117 | -.023 | .238 | -.007 | -1.952 | 345 | 228 | -.611 | .142 | -.169 | -1.280 |
| 330 | 914 | -.601 | .182 | .272 | -.603 | 345 | 118 | -.999 | .311 | -.117 | -2.218 | 345 | 229 | -.555 | .157 | -.071 | -1.952 |
| 330 | 915 | -.907 | .177 | .330 | -.682 | 345 | 119 | -.827 | .383 | -.394 | -2.091 | 345 | 230 | -.541 | .151 | -.092 | -1.284 |
| 330 | 916 | -.846 | .198 | .243 | -.461 | 345 | 120 | -.891 | .218 | -.197 | -2.046 | 345 | 231 | -.580 | .141 | -.154 | -1.107 |
| 330 | 917 | -.937 | .277 | .037 | -.509 | 345 | 121 | -.815 | .206 | -.290 | -1.968 | 345 | 232 | -.551 | .143 | -.109 | -1.022 |
| 330 | 918 | -.198 | .492 | .249 | -.303 | 345 | 122 | -.919 | .232 | -.019 | -2.113 | 345 | 233 | -.616 | .134 | -.126 | -1.104 |

| MD | TAP | CPNEAK | CPRRS | CPMAX | CPMIN | MD | TAP | CPNEAK | CPRRS | CPMAX | CPMIN | MD | TAP | CPNEAK | CPRRS | CPMAX | CPMIN |
|-----|-----|--------|-------|-------|---------|-----|-----|--------|-------|-------|---------|-----|-----|--------|-------|-------|--------|
| 345 | 234 | .555 | .141 | .022 | -.052 | 345 | 272 | .626 | .122 | -.139 | -.1492 | 345 | 909 | .252 | .283 | 1.024 | -3.602 |
| 345 | 235 | .588 | .149 | .057 | -.10823 | 345 | 273 | .591 | .169 | -.023 | -.1200 | 345 | 910 | -1.408 | .269 | -.592 | -2.631 |
| 345 | 236 | .618 | .133 | .150 | -.1303 | 345 | 301 | .510 | .209 | 1.092 | -.1349 | 345 | 911 | -1.462 | .219 | -.823 | -2.552 |
| 345 | 237 | .603 | .156 | .119 | -.1132 | 345 | 302 | .454 | .229 | 1.224 | -.1204 | 345 | 912 | -1.425 | .255 | -.550 | -2.311 |
| 345 | 238 | .550 | .169 | .077 | -.1004 | 345 | 303 | .500 | .197 | .975 | -.1139 | 345 | 913 | -1.054 | .180 | -.452 | -1.682 |
| 345 | 239 | .554 | .157 | .020 | -.1050 | 345 | 304 | .508 | .191 | 1.083 | -.1096 | 345 | 914 | -1.037 | .198 | -.412 | -1.663 |
| 345 | 240 | .585 | .131 | .141 | -.1046 | 345 | 305 | .463 | .199 | 1.000 | -.1076 | 345 | 915 | -1.042 | .178 | -.436 | -1.768 |
| 345 | 241 | .584 | .148 | .044 | -.1109 | 345 | 306 | .452 | .170 | .965 | -.10216 | 345 | 916 | -1.150 | .237 | -.438 | -2.034 |
| 345 | 242 | .593 | .132 | .174 | -.1067 | 345 | 307 | .405 | .182 | .990 | -.10215 | 345 | 917 | -1.768 | .593 | -.412 | -4.312 |
| 345 | 243 | .600 | .147 | .185 | -.1102 | 345 | 308 | .408 | .166 | .978 | -.1040 | 345 | 918 | -1.661 | .581 | .251 | -3.975 |
| 345 | 244 | .554 | .149 | .040 | -.1141 | 345 | 309 | .376 | .160 | .918 | -.1147 | 345 | 919 | -.297 | .272 | 1.263 | -1.615 |
| 345 | 245 | .636 | .187 | .061 | -.11401 | 345 | 310 | .422 | .181 | 1.081 | -.1210 | 345 | 920 | -.960 | .317 | -.038 | -2.182 |
| 345 | 246 | .564 | .162 | .156 | -.1128 | 345 | 311 | .398 | .173 | .924 | -.1048 | 345 | 921 | -.909 | .263 | -.040 | -2.278 |
| 345 | 247 | .569 | .156 | .020 | -.1134 | 345 | 312 | .385 | .161 | .952 | -.10197 | 345 | 922 | -1.185 | .240 | -.406 | -2.263 |
| 345 | 248 | .537 | .159 | .002 | -.1134 | 345 | 313 | .440 | .181 | 1.021 | -.1126 | 345 | 923 | -1.076 | .215 | -.244 | -1.928 |
| 345 | 249 | .528 | .154 | .047 | -.1052 | 345 | 314 | .403 | .173 | .947 | -.1107 | 345 | 924 | -1.145 | .209 | -.509 | -1.861 |
| 345 | 250 | .554 | .151 | .107 | -.1094 | 345 | 401 | -1.277 | .255 | -.069 | -2.144 | 345 | 925 | -1.117 | .202 | -.366 | -2.010 |
| 345 | 251 | .567 | .131 | .146 | -.1028 | 345 | 402 | -.972 | .234 | -.220 | -1.799 | 345 | 926 | -1.188 | .244 | -.257 | -2.299 |
| 345 | 252 | .539 | .153 | .052 | -.1081 | 345 | 403 | -1.051 | .185 | -.324 | -1.695 | 345 | 927 | -.956 | .330 | .489 | -2.328 |
| 345 | 253 | .578 | .149 | .047 | -.1047 | 345 | 404 | -1.039 | .233 | -.353 | -1.952 | 345 | 928 | -1.074 | .295 | .556 | -2.320 |
| 345 | 254 | .593 | .213 | .028 | -.1096 | 345 | 405 | -.930 | .274 | -.228 | -2.111 | 345 | 929 | -.683 | .297 | .278 | -1.820 |
| 345 | 255 | .803 | .280 | .078 | -.1095 | 345 | 501 | -.749 | .225 | -.065 | -1.964 | 345 | 930 | -.641 | .230 | -.139 | -1.655 |
| 345 | 256 | .535 | .170 | .046 | -.1128 | 345 | 502 | -.891 | .265 | -.138 | -1.889 | 345 | 931 | -.846 | .254 | -.105 | -1.770 |
| 345 | 257 | .518 | .139 | .098 | -.1094 | 345 | 503 | -1.052 | .290 | -.040 | -2.411 | 345 | 932 | -1.037 | .231 | -.246 | -2.177 |
| 345 | 258 | .556 | .126 | .122 | -.1026 | 345 | 504 | -1.396 | .338 | -.343 | -2.854 | 345 | 933 | -.964 | .228 | -.168 | -1.749 |
| 345 | 259 | .539 | .146 | .020 | -.1063 | 345 | 505 | -.812 | .205 | -.033 | -1.500 | 345 | 934 | -.956 | .209 | -.206 | -1.819 |
| 345 | 260 | .588 | .154 | .091 | -.1046 | 345 | 506 | -.784 | .260 | -.021 | -1.941 | 345 | 935 | -.973 | .248 | -.284 | -1.907 |
| 345 | 261 | .549 | .139 | .111 | -.1065 | 345 | 507 | -.990 | .299 | -.029 | -2.119 | 345 | 936 | -.868 | .247 | -.074 | -1.707 |
| 345 | 262 | .547 | .151 | .110 | -.1054 | 345 | 508 | -1.298 | .330 | -.004 | -3.199 | 345 | 937 | -.871 | .261 | .004 | -1.813 |
| 345 | 263 | .562 | .194 | .136 | -.1134 | 345 | 509 | -1.517 | .319 | -.489 | -2.535 | 345 | 938 | -.703 | .201 | .156 | -2.106 |
| 345 | 264 | .647 | .224 | .095 | -.1116 | 345 | 901 | -1.409 | .264 | -.612 | -2.439 | 345 | 939 | -.563 | .230 | .126 | -1.791 |
| 345 | 265 | .535 | .128 | .099 | -.1034 | 345 | 902 | -1.481 | .268 | -.694 | -2.706 | 345 | 940 | -.661 | .214 | .301 | -1.571 |
| 345 | 266 | .523 | .146 | .057 | -.1044 | 345 | 903 | -1.329 | .295 | -.537 | -2.725 | 345 | 941 | -.929 | .286 | -.071 | -2.156 |
| 345 | 267 | .534 | .158 | .084 | -.1121 | 345 | 904 | -1.020 | .160 | -.523 | -1.589 | 345 | 942 | -.739 | .227 | .023 | -1.549 |
| 345 | 268 | .554 | .152 | .079 | -.1134 | 345 | 905 | -1.021 | .186 | -.431 | -1.571 | 345 | 943 | -.753 | .221 | .017 | -2.299 |
| 345 | 269 | .562 | .142 | .033 | -.1041 | 345 | 906 | -1.124 | .225 | -.383 | -2.403 | 345 | 944 | -.783 | .258 | -.080 | -2.064 |
| 345 | 270 | .592 | .154 | .098 | -.1117 | 345 | 907 | -1.655 | .486 | -.322 | -3.619 | 345 | 945 | -.924 | .283 | -.194 | -2.343 |
| 345 | 271 | .538 | .147 | .088 | -.1087 | 345 | 908 | -1.026 | .323 | -.144 | -2.361 | 345 | 946 | -.753 | .192 | -.156 | -1.421 |

| WD | TAP | CPNEAN | CPNRS | CPNAX | CPNIN | WD | TAP | CPNEAN | CPNRS | CPNAX | CPNIN | WD | TAP | CPNEAN | CPNRS | CPNAX | CPNIN |
|----|-----|--------|-------|-------|-------|----|-----|--------|-------|-------|-------|----|-----|--------|-------|-------|--------|
| 0 | 101 | -1 | 140 | .260 | -.412 | -2 | 437 | 0 | 212 | -.497 | -.143 | 0 | 262 | -.434 | .136 | .017 | -1.022 |
| 0 | 102 | -1 | 120 | .284 | -.349 | -2 | 274 | 0 | 213 | -.531 | -.160 | 0 | 263 | -.449 | .163 | -.068 | -.966 |
| 0 | 103 | -1 | 157 | .300 | -.417 | -2 | 315 | 0 | 214 | -.480 | -.147 | 0 | 264 | -.417 | .143 | .128 | -.876 |
| 0 | 104 | -1 | 069 | .283 | -.196 | -2 | 367 | 0 | 215 | -.541 | -.182 | 0 | 265 | -.345 | .206 | .107 | -1.264 |
| 0 | 105 | -1 | 872 | .294 | -.074 | -2 | 765 | 0 | 216 | -.558 | -.163 | 0 | 266 | -.341 | .183 | .054 | -1.092 |
| 0 | 106 | -1 | 131 | .245 | -.427 | -1 | 938 | 0 | 217 | -.569 | -.148 | 0 | 267 | -.522 | .155 | .023 | -1.022 |
| 0 | 107 | -1 | 115 | .246 | -.393 | -1 | 961 | 0 | 218 | -.587 | -.157 | 0 | 268 | -.523 | .165 | -.049 | -1.143 |
| 0 | 108 | -1 | 120 | .283 | -.289 | -2 | 140 | 0 | 219 | -.568 | -.151 | 0 | 269 | -.461 | .138 | -.067 | -1.013 |
| 0 | 109 | -1 | 100 | .263 | -.054 | -2 | 093 | 0 | 220 | -.510 | -.154 | 0 | 270 | -.495 | .136 | -.002 | -1.027 |
| 0 | 110 | -1 | 966 | .246 | -.082 | -1 | 854 | 0 | 221 | -.509 | -.152 | 0 | 271 | -.446 | .135 | -.023 | -.857 |
| 0 | 111 | -1 | 087 | .276 | -.430 | -2 | 023 | 0 | 222 | -.503 | -.148 | 0 | 272 | -.455 | .145 | -.069 | -.968 |
| 0 | 112 | -1 | 128 | .254 | -.349 | -2 | 060 | 0 | 223 | -.520 | -.140 | 0 | 273 | -.450 | .154 | -.094 | -1.018 |
| 0 | 113 | -1 | 093 | .233 | -.414 | -2 | 133 | 0 | 224 | -.509 | -.136 | 0 | 301 | -.555 | .219 | 1.215 | .161 |
| 0 | 114 | -1 | 047 | .271 | -.064 | -1 | 950 | 0 | 225 | -.533 | -.141 | 0 | 302 | -.486 | .203 | 1.030 | -.178 |
| 0 | 113 | -1 | 918 | .205 | -.266 | -1 | 111 | 0 | 226 | -.526 | -.139 | 0 | 303 | -.655 | .214 | 1.321 | -.184 |
| 0 | 116 | -1 | 007 | .231 | -.282 | -1 | 111 | 0 | 227 | -.570 | -.149 | 0 | 304 | -.595 | .211 | 1.128 | -.209 |
| 0 | 117 | -1 | 805 | .211 | -.103 | -1 | 728 | 0 | 228 | -.566 | -.142 | 0 | 305 | -.640 | .229 | 1.415 | .010 |
| 0 | 118 | -1 | 919 | .240 | -.172 | -1 | 762 | 0 | 229 | -.611 | -.224 | 0 | 306 | -.557 | .176 | 1.098 | .019 |
| 0 | 119 | -1 | 111 | .266 | -.099 | -2 | 115 | 0 | 230 | -.499 | -.162 | 0 | 307 | -.566 | .184 | 1.202 | -.069 |
| 0 | 120 | -1 | 887 | .203 | -.114 | -2 | 601 | 0 | 231 | -.516 | -.147 | 0 | 308 | -.488 | .162 | 1.023 | -.069 |
| 0 | 121 | -1 | 887 | .216 | -.236 | -1 | 115 | 0 | 232 | -.511 | -.151 | 0 | 309 | -.510 | .189 | 1.095 | -.178 |
| 0 | 122 | -1 | 859 | .212 | -.244 | -1 | 115 | 0 | 233 | -.503 | -.131 | 0 | 310 | -.479 | .172 | 1.086 | -.031 |
| 0 | 123 | -1 | 920 | .227 | -.327 | -1 | 115 | 0 | 234 | -.492 | -.138 | 0 | 311 | -.475 | .198 | 1.101 | -.131 |
| 0 | 124 | -1 | 940 | .223 | -.238 | -2 | 029 | 0 | 235 | -.515 | -.143 | 0 | 312 | -.491 | .171 | .988 | -.014 |
| 0 | 125 | -1 | 835 | .221 | -.317 | -2 | 177 | 0 | 236 | -.521 | -.136 | 0 | 313 | -.488 | .178 | 1.089 | -.150 |
| 0 | 126 | -1 | 896 | .215 | -.191 | -1 | 333 | 0 | 237 | -.514 | -.151 | 0 | 314 | -.521 | .181 | 1.149 | -.084 |
| 0 | 127 | -1 | 810 | .221 | -.229 | -1 | 111 | 0 | 238 | -.611 | -.207 | 0 | 401 | -1.001 | .397 | 4.430 | -2.221 |
| 0 | 128 | -1 | 843 | .244 | -.210 | -2 | 438 | 0 | 239 | -.582 | -.197 | 0 | 402 | -.805 | .219 | .303 | -1.644 |
| 0 | 129 | -1 | 849 | .235 | -.117 | -1 | 812 | 0 | 240 | -.543 | -.170 | 0 | 403 | -.855 | .222 | .091 | -1.980 |
| 0 | 130 | -1 | 866 | .245 | -.203 | -1 | 641 | 0 | 241 | -.502 | -.135 | 0 | 404 | -.747 | .295 | .523 | -1.838 |
| 0 | 131 | -1 | 905 | .232 | -.263 | -1 | 892 | 0 | 242 | -.507 | -.140 | 0 | 405 | -.616 | .305 | .641 | -1.493 |
| 0 | 132 | -1 | 898 | .221 | -.204 | -2 | 024 | 0 | 243 | -.508 | -.142 | 0 | 501 | -.881 | .269 | .154 | -2.060 |
| 0 | 133 | -1 | 797 | .243 | -.183 | -2 | 033 | 0 | 244 | -.503 | -.131 | 0 | 502 | -.941 | .263 | .103 | -1.949 |
| 0 | 134 | -1 | 787 | .262 | -.124 | -2 | 815 | 0 | 245 | -.533 | -.155 | 0 | 503 | -.960 | .278 | .112 | -2.230 |
| 0 | 135 | -1 | 877 | .260 | -.046 | -2 | 289 | 0 | 246 | -.496 | -.145 | 0 | 504 | -.932 | .302 | .135 | -3.679 |
| 0 | 136 | -1 | 862 | .235 | -.193 | -1 | 863 | 0 | 247 | -.643 | -.224 | 0 | 505 | -.877 | .237 | .110 | -1.634 |
| 0 | 137 | -1 | 837 | .246 | -.158 | -2 | 163 | 0 | 248 | -.586 | -.180 | 0 | 506 | -.914 | .232 | -.049 | -1.889 |
| 0 | 138 | -1 | 845 | .254 | -.148 | -2 | 036 | 0 | 249 | -.512 | -.183 | 0 | 507 | -.956 | .227 | .192 | -1.813 |
| 0 | 139 | -1 | 839 | .267 | -.104 | -2 | 887 | 0 | 250 | -.508 | -.152 | 0 | 508 | -1.025 | .259 | .209 | -2.951 |
| 0 | 201 | -1 | 533 | .180 | -.094 | -1 | 178 | 0 | 251 | -.485 | -.155 | 0 | 509 | -1.106 | .330 | .215 | -2.418 |
| 0 | 202 | -1 | 511 | .165 | -.026 | -1 | 173 | 0 | 252 | -.455 | -.153 | 0 | 901 | -1.202 | .266 | -.402 | -2.431 |
| 0 | 203 | -1 | 516 | .169 | -.098 | -1 | 412 | 0 | 253 | -.464 | -.142 | 0 | 902 | -1.260 | .281 | -.554 | -2.820 |
| 0 | 204 | -1 | 593 | .160 | -.037 | -1 | 333 | 0 | 254 | -.437 | -.150 | 0 | 903 | -1.162 | .332 | -.065 | -2.750 |
| 0 | 205 | -1 | 504 | .162 | -.143 | -1 | 166 | 0 | 255 | -.475 | -.165 | 0 | 904 | -1.076 | .213 | -.334 | -1.840 |
| 0 | 206 | -1 | 594 | .170 | -.082 | -1 | 307 | 0 | 256 | -.561 | -.185 | 0 | 905 | -1.227 | .233 | -.531 | -2.458 |
| 0 | 207 | -1 | 638 | .167 | -.079 | -1 | 224 | 0 | 257 | -.511 | -.166 | 0 | 906 | -1.750 | .660 | -.546 | -4.362 |
| 0 | 208 | -1 | 568 | .147 | -.161 | -1 | 203 | 0 | 258 | -.536 | -.184 | 0 | 907 | -2.269 | .502 | -.717 | -3.969 |
| 0 | 209 | -1 | 595 | .167 | -.150 | -1 | 375 | 0 | 259 | -.503 | -.166 | 0 | 908 | -1.088 | .341 | -.055 | -2.204 |
| 0 | 210 | -1 | 326 | .170 | -.007 | -1 | 135 | 0 | 260 | -.470 | -.177 | 0 | 909 | -.139 | .259 | -.876 | -1.140 |
| 0 | 211 | -1 | 500 | .155 | -.023 | -1 | 239 | 0 | 261 | -.438 | -.160 | 0 | 910 | -.241 | .250 | -.211 | -2.255 |

| MD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | MD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN | MD | TAP | CPMEAN | CPRMS | CPMAX | CPMIN |
|-----|-----|--------|-------|-------|-------|-----|-----|--------|-------|-------|--------|-----|-----|--------|-------|-------|--------|
| 270 | 101 | .048 | .211 | .683 | -.914 | 270 | 212 | -.922 | .213 | -.314 | -2.270 | 270 | 262 | -.513 | -.280 | .432 | -1.424 |
| 270 | 102 | .110 | .206 | .841 | -.483 | 270 | 213 | -.938 | .208 | -.039 | -1.926 | 270 | 263 | -.486 | -.327 | .374 | -2.036 |
| 270 | 103 | .156 | .203 | .856 | -.524 | 270 | 214 | -.987 | .238 | -.041 | -1.856 | 270 | 264 | -.504 | -.355 | .555 | -2.083 |
| 270 | 104 | .156 | .174 | .858 | -.454 | 270 | 215 | -.883 | .287 | -.293 | -2.626 | 270 | 265 | -.708 | -.268 | .002 | -1.880 |
| 270 | 105 | .105 | .171 | .643 | -.509 | 270 | 216 | -.644 | .326 | -.254 | -2.627 | 270 | 266 | -.708 | -.241 | -.038 | -1.615 |
| 270 | 106 | .041 | .175 | .630 | -.598 | 270 | 217 | -.482 | .329 | -.368 | -2.931 | 270 | 267 | -.803 | -.314 | -.477 | -2.376 |
| 270 | 107 | .379 | .213 | .090 | -.281 | 270 | 218 | -.387 | .282 | -.348 | -2.270 | 270 | 268 | -.785 | -.312 | -.014 | -2.522 |
| 270 | 108 | .619 | .206 | .259 | -.028 | 270 | 219 | -.424 | .214 | -.137 | -1.532 | 270 | 269 | -.793 | -.319 | -.401 | -2.053 |
| 270 | 109 | .660 | .226 | .328 | -.058 | 270 | 220 | -.880 | .189 | -.331 | -1.615 | 270 | 270 | -.648 | -.303 | -.346 | -.843 |
| 270 | 110 | .683 | .184 | .407 | -.101 | 270 | 221 | -.892 | .204 | -.318 | -1.534 | 270 | 271 | -.451 | -.272 | .425 | -.508 |
| 270 | 111 | .537 | .217 | .454 | -.146 | 270 | 222 | -.970 | .210 | -.318 | -2.169 | 270 | 272 | -.466 | -.317 | .315 | -2.245 |
| 270 | 112 | .684 | .182 | .257 | -.101 | 270 | 223 | -.917 | .218 | -.204 | -1.779 | 270 | 273 | -.433 | -.317 | .381 | -1.667 |
| 270 | 113 | .714 | .195 | .276 | -.133 | 270 | 224 | -.804 | .266 | -.317 | -1.874 | 270 | 301 | -.442 | -.179 | .167 | -1.153 |
| 270 | 114 | .732 | .197 | .329 | -.077 | 270 | 225 | -.591 | .273 | -.205 | -1.962 | 270 | 302 | -.442 | -.200 | .126 | -1.486 |
| 270 | 115 | .117 | .210 | .512 | -.257 | 270 | 226 | -.472 | .260 | -.339 | -1.915 | 270 | 303 | -.488 | -.179 | .202 | -1.437 |
| 270 | 116 | .416 | .216 | .083 | -.292 | 270 | 227 | -.383 | .194 | -.283 | -1.188 | 270 | 304 | -.434 | -.197 | .122 | -1.435 |
| 270 | 117 | .743 | .199 | .320 | -.061 | 270 | 228 | -.390 | .186 | -.194 | -1.338 | 270 | 305 | -.477 | -.193 | .114 | -1.435 |
| 270 | 118 | .710 | .195 | .382 | -.022 | 270 | 229 | -.871 | .214 | -.252 | -1.650 | 270 | 306 | -.446 | -.176 | .111 | -1.277 |
| 270 | 119 | .752 | .201 | .495 | -.017 | 270 | 230 | -.847 | .217 | -.226 | -1.574 | 270 | 307 | -.437 | -.201 | .101 | -1.227 |
| 270 | 120 | .079 | .185 | .519 | -.682 | 270 | 231 | -.869 | .224 | -.232 | -1.697 | 270 | 308 | -.463 | -.195 | .052 | -1.456 |
| 270 | 121 | .348 | .201 | .040 | -.330 | 270 | 232 | -.946 | .253 | -.170 | -1.945 | 270 | 309 | -.443 | -.210 | .092 | -2.283 |
| 270 | 122 | .623 | .198 | .569 | -.021 | 270 | 233 | -.861 | .269 | -.208 | -2.012 | 270 | 310 | -.446 | -.194 | .152 | -1.136 |
| 270 | 123 | .675 | .203 | .630 | -.010 | 270 | 234 | -.664 | .283 | -.317 | -2.647 | 270 | 311 | -.433 | -.231 | .279 | -.394 |
| 270 | 124 | .690 | .197 | .556 | -.025 | 270 | 235 | -.544 | .246 | -.410 | -1.467 | 270 | 312 | -.443 | -.206 | .226 | -.510 |
| 270 | 125 | .217 | .213 | .436 | -.036 | 270 | 236 | -.476 | .235 | -.442 | -1.661 | 270 | 313 | -.443 | -.230 | .225 | -.529 |
| 270 | 126 | .202 | .236 | .036 | -.624 | 270 | 237 | -.455 | .215 | -.126 | -2.280 | 270 | 314 | -.406 | -.179 | .109 | -1.145 |
| 270 | 127 | .569 | .183 | .177 | -.032 | 270 | 238 | -.781 | .239 | -.024 | -1.978 | 270 | 401 | -.803 | -.216 | -.106 | -.528 |
| 270 | 128 | .643 | .186 | .169 | -.087 | 270 | 239 | -.780 | .214 | -.107 | -1.964 | 270 | 402 | -.814 | -.208 | -.172 | -.500 |
| 270 | 129 | .668 | .183 | .274 | -.119 | 270 | 240 | -.839 | .253 | -.051 | -2.077 | 270 | 403 | -.770 | -.224 | -.038 | -1.447 |
| 270 | 130 | .199 | .199 | .367 | -.938 | 270 | 241 | -.858 | .279 | -.096 | -1.962 | 270 | 404 | -.756 | -.196 | -.068 | -1.464 |
| 270 | 131 | .236 | .192 | .890 | -.405 | 270 | 242 | -.813 | .306 | -.096 | -2.240 | 270 | 405 | -.705 | -.191 | -.061 | -1.415 |
| 270 | 132 | .536 | .176 | .225 | -.050 | 270 | 243 | -.709 | .285 | -.152 | -1.757 | 270 | 501 | -.507 | -.364 | 1.018 | -2.006 |
| 270 | 133 | .608 | .181 | .255 | -.014 | 270 | 244 | -.582 | .270 | -.236 | -1.590 | 270 | 502 | -.490 | -.356 | 1.199 | -1.989 |
| 270 | 134 | .641 | .177 | .242 | -.049 | 270 | 245 | -.536 | .296 | -.267 | -2.113 | 270 | 503 | -.450 | -.359 | 1.900 | -1.545 |
| 270 | 135 | .371 | .206 | .361 | -.012 | 270 | 246 | -.564 | .335 | -.331 | -2.187 | 270 | 504 | -.452 | -.392 | 1.077 | -.976 |
| 270 | 136 | .226 | .185 | .965 | -.414 | 270 | 247 | -.733 | .225 | -.133 | -1.841 | 270 | 505 | -.384 | -.294 | .909 | -1.456 |
| 270 | 137 | .577 | .207 | .323 | -.044 | 270 | 248 | -.747 | .215 | -.126 | -1.805 | 270 | 506 | -.372 | -.264 | .939 | -1.419 |
| 270 | 138 | .666 | .212 | .388 | -.009 | 270 | 249 | -.773 | .249 | -.183 | -1.967 | 270 | 507 | -.390 | -.307 | .952 | -1.699 |
| 270 | 139 | .694 | .208 | .372 | -.060 | 270 | 250 | -.830 | .326 | -.083 | -2.150 | 270 | 508 | -.454 | -.301 | .873 | -1.722 |
| 270 | 201 | .898 | .215 | .806 | -.806 | 270 | 251 | -.806 | .312 | -.376 | -1.850 | 270 | 509 | -.432 | -.328 | .698 | -1.884 |
| 270 | 202 | .963 | .229 | .335 | -.952 | 270 | 252 | -.697 | .292 | -.315 | -1.998 | 270 | 901 | -.857 | -.189 | -.153 | -.596 |
| 270 | 203 | .901 | .216 | .248 | -.885 | 270 | 253 | -.582 | .269 | -.281 | -1.460 | 270 | 902 | -.879 | -.205 | -.234 | -1.620 |
| 270 | 204 | .881 | .301 | .861 | -.737 | 270 | 254 | -.522 | .320 | -.473 | -1.796 | 270 | 903 | -.793 | -.194 | -.042 | -1.473 |
| 270 | 205 | .249 | .245 | .938 | -.284 | 270 | 255 | -.551 | .367 | -.387 | -2.115 | 270 | 904 | -.890 | -.240 | -.142 | -2.132 |
| 270 | 206 | .191 | .236 | .556 | -.356 | 270 | 256 | -.733 | .247 | -.050 | -1.669 | 270 | 905 | -.941 | -.237 | -.251 | -1.963 |
| 270 | 207 | .263 | .227 | .724 | -.354 | 270 | 257 | -.717 | .234 | -.038 | -1.635 | 270 | 906 | -.853 | -.293 | -.069 | -2.219 |
| 270 | 208 | .209 | .235 | .461 | -.108 | 270 | 258 | -.804 | .330 | -.066 | -2.986 | 270 | 907 | -.667 | -.330 | .621 | -2.272 |
| 270 | 209 | .192 | .258 | .565 | -.190 | 270 | 259 | -.850 | .333 | -.085 | -2.434 | 270 | 908 | -.478 | -.294 | .632 | -1.607 |
| 270 | 210 | .983 | .213 | .303 | -.667 | 270 | 260 | -.731 | .286 | -.065 | -1.781 | 270 | 909 | -.406 | -.211 | .299 | -1.232 |
| 270 | 211 | .886 | .201 | .335 | -.887 | 270 | 261 | -.667 | .317 | -.328 | -2.434 | 270 | 910 | -.832 | -.184 | -.155 | -1.456 |

