

WIND-TUNNEL STUDY OF
U.S. BANCORP TOWER, PORTLAND

by

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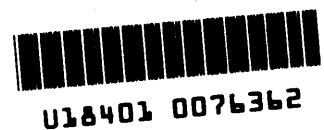


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LIST OF SYMBOLS

<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. In addition, increased use of pedestrian plazas at the base of the buildings has brought about a need to consider the effects of wind and gustiness in the design of these areas.

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. The intensity and frequency of objectionable winds in pedestrian areas is influenced both by the structure shape and by the shape and position of adjacent structures.

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. Information on sidewalk-level gustiness allows plaza areas to be protected by design changes before the structure is constructed. 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 1:150 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 or produce pedestrian discomfort.

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.

Based on the visualization (smoke) tests and on a knowledge of heavy pedestrian use areas, a dozen or more locations may be chosen at the base of the building where wind velocities can be measured to determine the relative comfort or discomfort of pedestrians in plaza areas, near building entrances, near building corners, or on sidewalks. Usually a reference pedestrian position is also tested to determine whether the wind environment in the building area is better or worse than the environment a block or so away in an undisturbed area.

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 1/2 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, (b) in defining zones of separated flow and reattachment and zones of vortex formation where pressure coefficients may be expected to be high and (c) in indicating areas where pedestrian discomfort may be a problem. 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. Seventy-six pieces of 1/16 in. I.D. plastic tubing are used to connect 76 pressure ports at a time to an 80 tap pressure switch mounted inside the model. The switch was designed and fabricated in the Fluid Dynamics and Diffusion Laboratory to minimize the attenuation of pressure fluctuations across the switch. Each of the 76 measurement ports is directed in turn by the switch to one of four pressure transducers mounted close to the switch. The four pressure input taps not used for transmitting building surface pressures are connected to a common tube leading outside the wind tunnel. This arrangement provides both a means of performing in-place calibration of the transducers and, by connecting this tube to a pitot tube mounted inside the wind tunnel, a means of automatically monitoring the tunnel speed. The switch is operated by means of a shaft projecting through

the floor of the wind tunnel. A computer-controlled stepping motor steps the switch into each of the 20 required positions. The computer keeps track of switch 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 four 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 5 to 7 ft (prototype) above the surface at a dozen or more locations on and near the building for 16 wind directions. The measurement locations are shown on Figure 4. The surface measurements are indicative of the wind environment to which a pedestrian at the measurement location would be subjected. The locations are chosen to determine the degree of pedestrian comfort or discomfort at the building corners where relatively severe conditions frequently are found, near building entrances and on adjacent sidewalks where pedestrian traffic is heavy, and in open plaza areas. In most studies a reference pedestrian position, located about a block away, is also tested. These data are helpful in evaluating the degree of pedestrian comfort or discomfort in the proposed plaza area in terms of the undisturbed environment in the immediate vicinity.

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

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

where E_{rms} is the root-mean-square voltage output from the anemometer. For interpretation all turbulence measurements for pedestrian winds 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

A film is included as part of this report showing the characteristics of flow about the structure using smoke to make the flow visible. A listing of the contents of the film is shown in Table 1. Several features can be noted from the visualization. As with all large structures, wind approaching the building is deflected down to the plaza 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 and pedestrian comfort 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 pedestrian 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

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

These data are plotted in polar form in Figure 8. Measurements were taken 5 to 7 ft above the ground surface. A site map is superimposed on the polar plots to aid in visualization of the effects of the nearby structures on the velocity and turbulence magnitudes. An analysis of these wind data is given in Section 5.2.

To enable a quantitative assessment of the wind environment, the wind-tunnel data were combined with wind frequency and direction information obtained at the local airport. Table 3 shows wind frequency by direction and magnitude obtained from summaries published by the National Weather Service. These data, usually obtained at an elevation of about 30-40 ft, were converted to velocities at the reference velocity height for the wind-tunnel measurements and combined with the wind-tunnel data to obtain cumulative probability distributions (percent time a given velocity is exceeded) for wind velocity at each measuring location. The percentage times were summed by wind direction to obtain a percent time exceeded at each measuring position independent of wind direction (but accounting for the fact that the wind blows from different directions with varying frequency). These results are plotted in Figure 9.

Interpretation of Figure 9 is aided by a description of the effects of wind of various magnitudes on people. The earliest quantitative description of wind effects was established by Sir Francis Beaufort in 1806 for use at sea and is still in use today. Several recent investigators have added to the knowledge of wind effects on pedestrians. These investigations along with suggested criteria for acceptance have been summarized by Penwarden and Wise (4) and Melbourne (5). The Beaufort scale (from ref. 4), based on mean velocity only, is reproduced as Table 4 including qualitative descriptions of wind effects. Table 4 suggests that mean wind speeds below 12 mph are of minor concern and that mean speeds above 24 mph are definitely inconvenient. Quantitative criteria for acceptance from reference 5 are superimposed as dashed lines on Figure 9. The peak gust curves shown in Figure 9 are the percent of time during which a short gust of the stated magnitude could occur (say about one of these gusts per hour). Implications of the data plotted in Figure 9 are presented in Section 5.2.

Because some pedestrian wind measuring positions are purposely chosen at sites where the smoke tests showed large velocities of small spacial extent, the general wind environment about the structure may be less severe than one might infer from a strict analysis of Table 2 and Figure 9.

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

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

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

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

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.

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 loads given at each tap location are the largest peak positive and peak negative values found in the tests. 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 10. 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 horizontal X and Y directions and moment coefficients about the X, Y, and Z axes with the origin at ground level at the base of the building with Z axis vertical 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 horizontal 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 the building 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. Eccentricities were computed such that the product of the Y force and X eccentricity minus the product of the X force and Y eccentricity equaled the Z moment. 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 showed that the wind flow about the U.S. Bancorp building behaved in much the same way as wind flow about a rectangular building. The highest pressures should be expected near building corners, particularly near changes in the vertical lines of the building at the top corners and near the intersection with the garage structure. Flow visualization in pedestrian areas at the base of the building showed that the windiest areas would be near the corners of the building.

5.2 Pedestrian Velocities

Pedestrian wind velocities, which are normally obtained in a study of this type and reported within this standard report structure, were not obtained during this study at the sponsor's request.

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 tap locations for 36 wind directions. Configuration B data represents data obtained at selected taps at 2 degree azimuthal increments near azimuths where large pressure peaks were observed in Configuration A to ensure that the largest peaks were obtained. The largest peak pressure coefficient measured on the building was -3.2 at tap 337 on the south face. The largest peak pressure acting on the building was -93 psf located at tap 444 on the east face for wind direction 190. This peak pressure was caused by a vortex associated with the garage/building interface on the south face.

This pressure was obtained using the 50-year recurrence wind reference pressure and directional load factors of Table 5. This largest peak pressure on the building was associated with the wind direction having the largest wind speed. Most areas of the structure had peak cladding pressures in the 40 to 60 psf range.

Figure 11 shows load shear and moment diagrams plotted from Table 7 for the largest loads in the X and Y directions. The load in the Y direction reaches almost its maximum at the time the X direction load reaches its maximum. Directional load factors were included in computation of the shears and moments.

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FIGURES

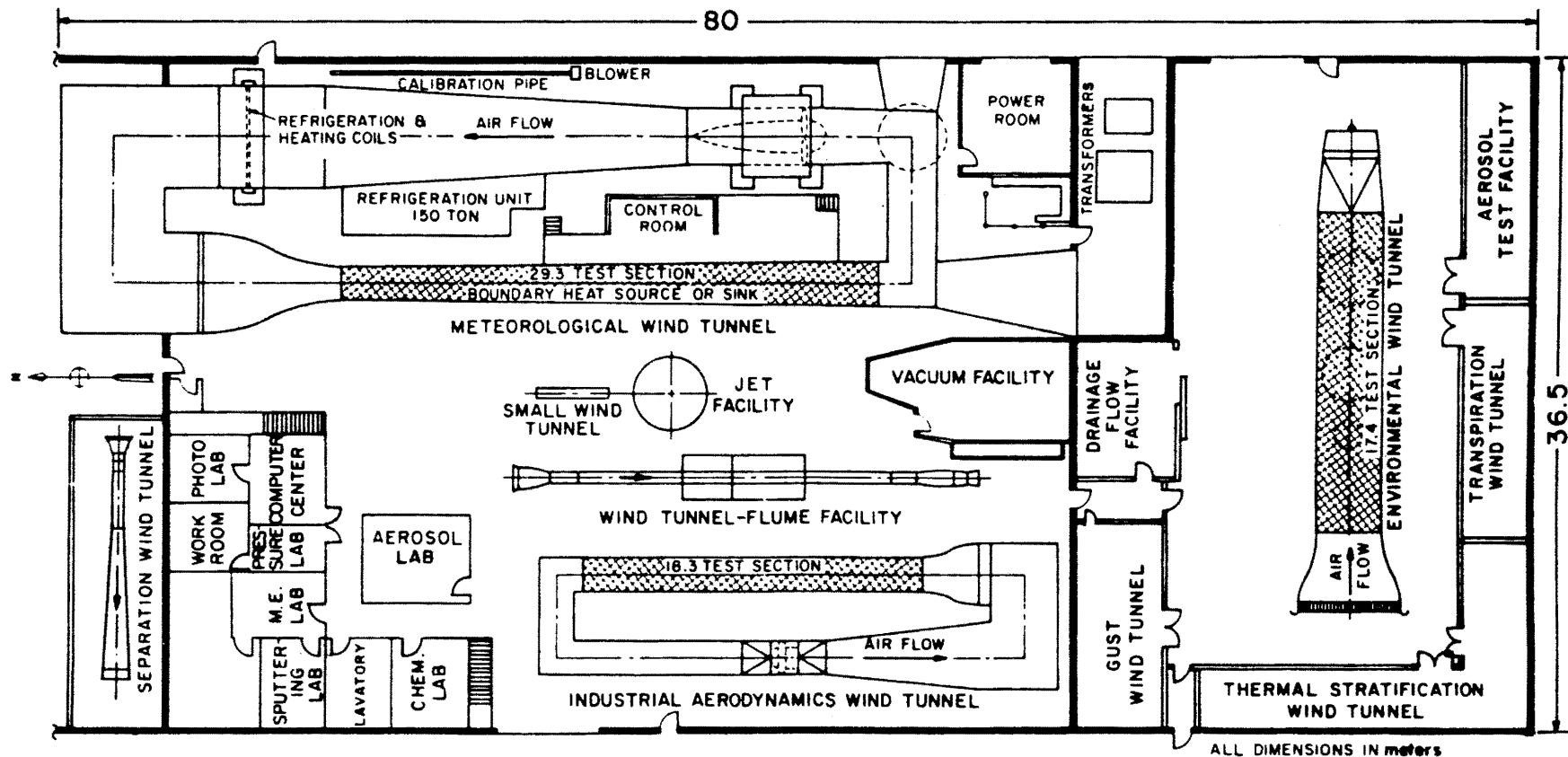
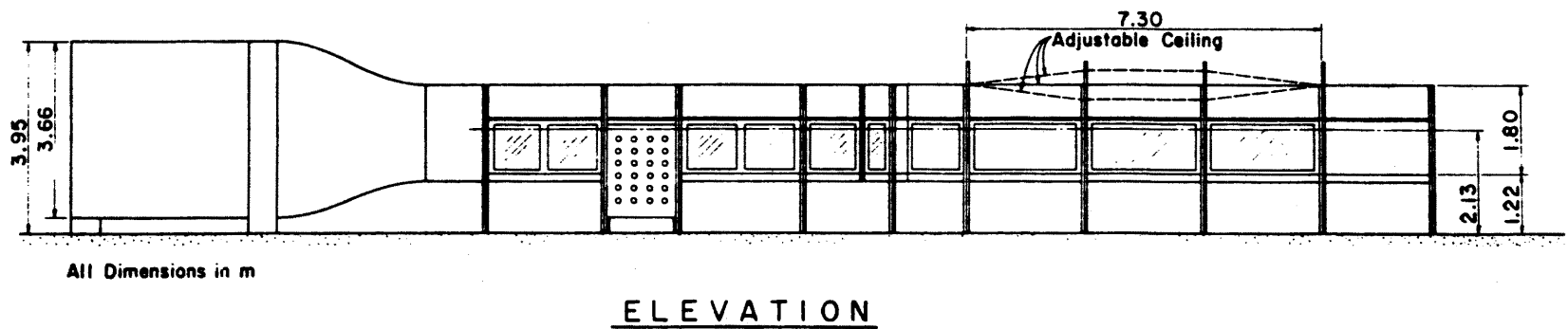
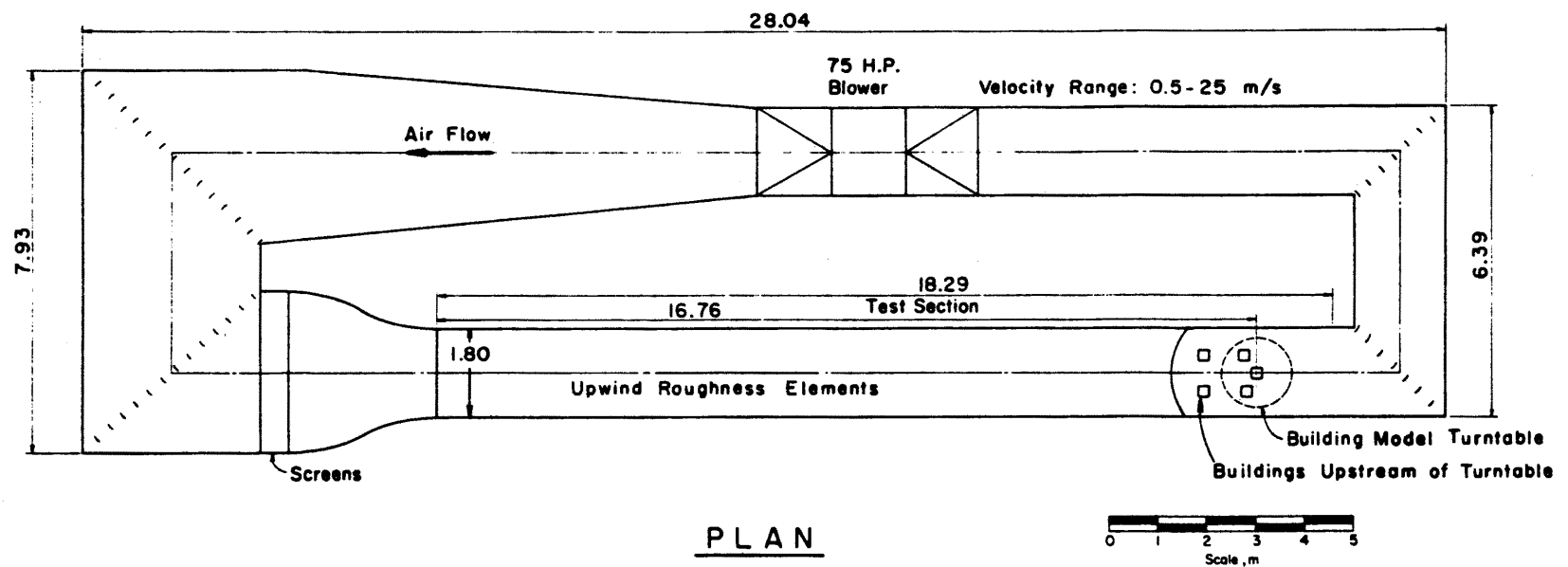


Figure 1. FLUID DYNAMICS AND DIFFUSION LABORATORY
COLORADO STATE UNIVERSITY



INDUSTRIAL AERODYNAMICS WIND TUNNEL

Figure 2 - Wind-Tunnel Configuration

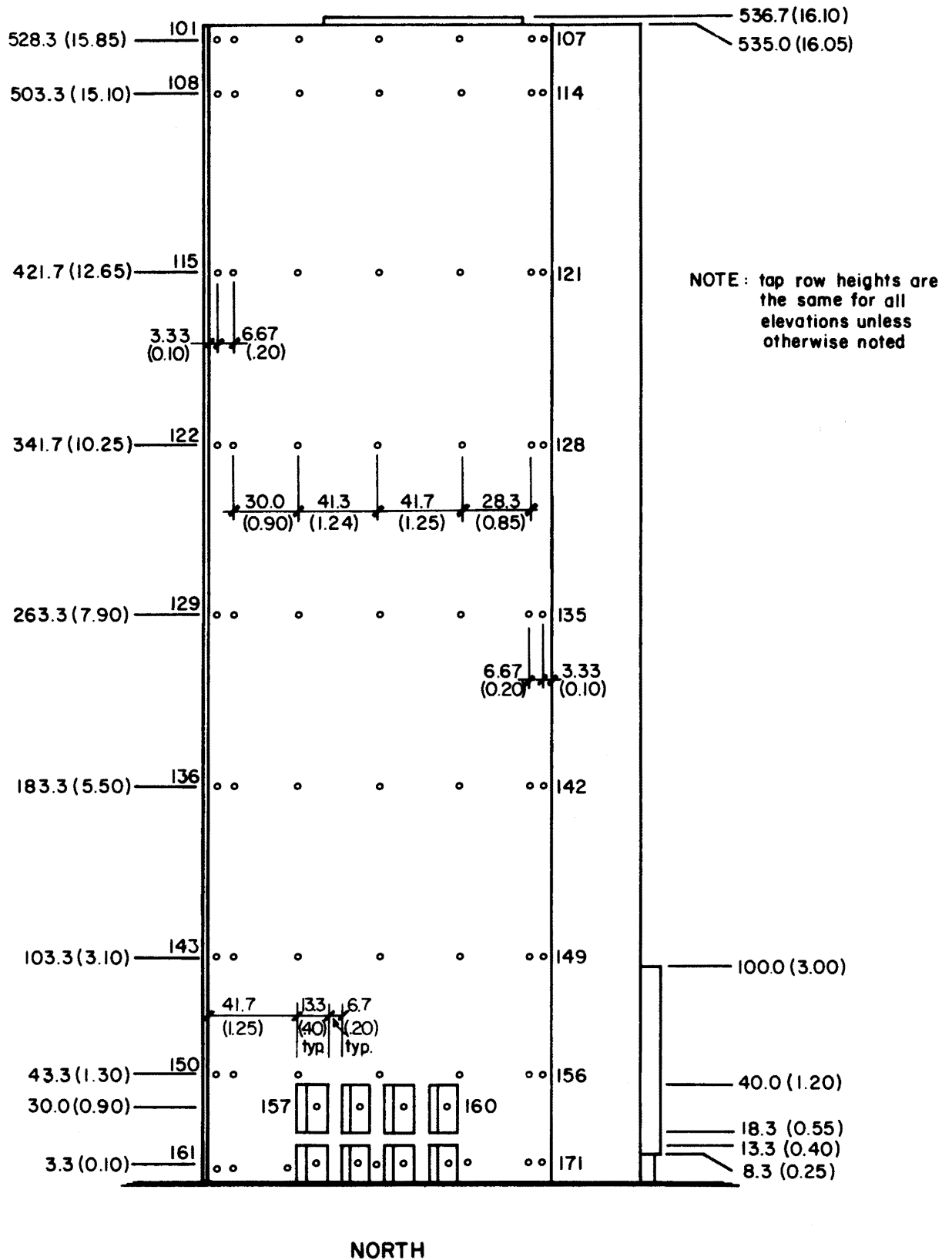


Figure 3b. Pressure Tap Locations

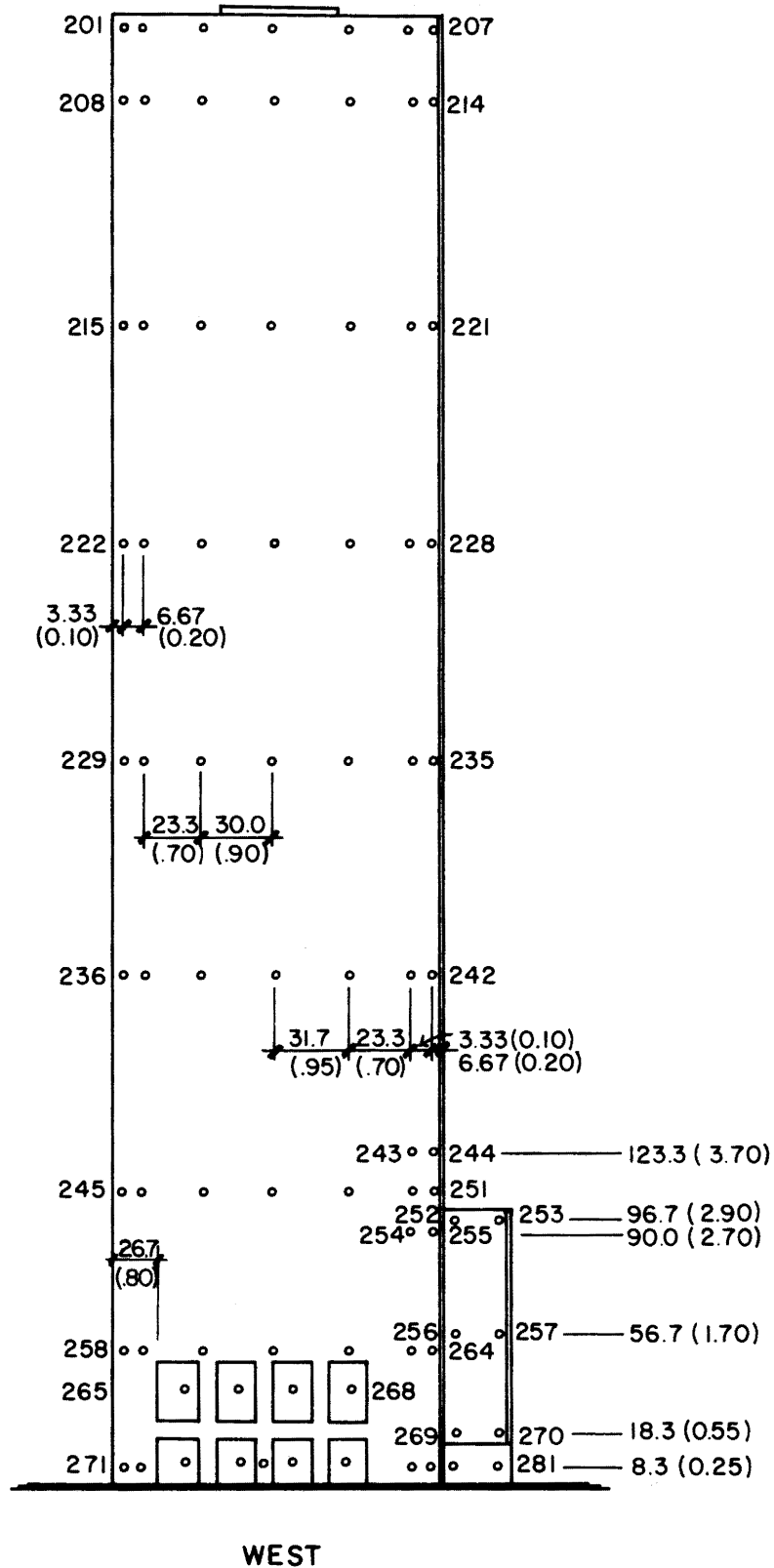


Figure 3c. Pressure Tap Locations

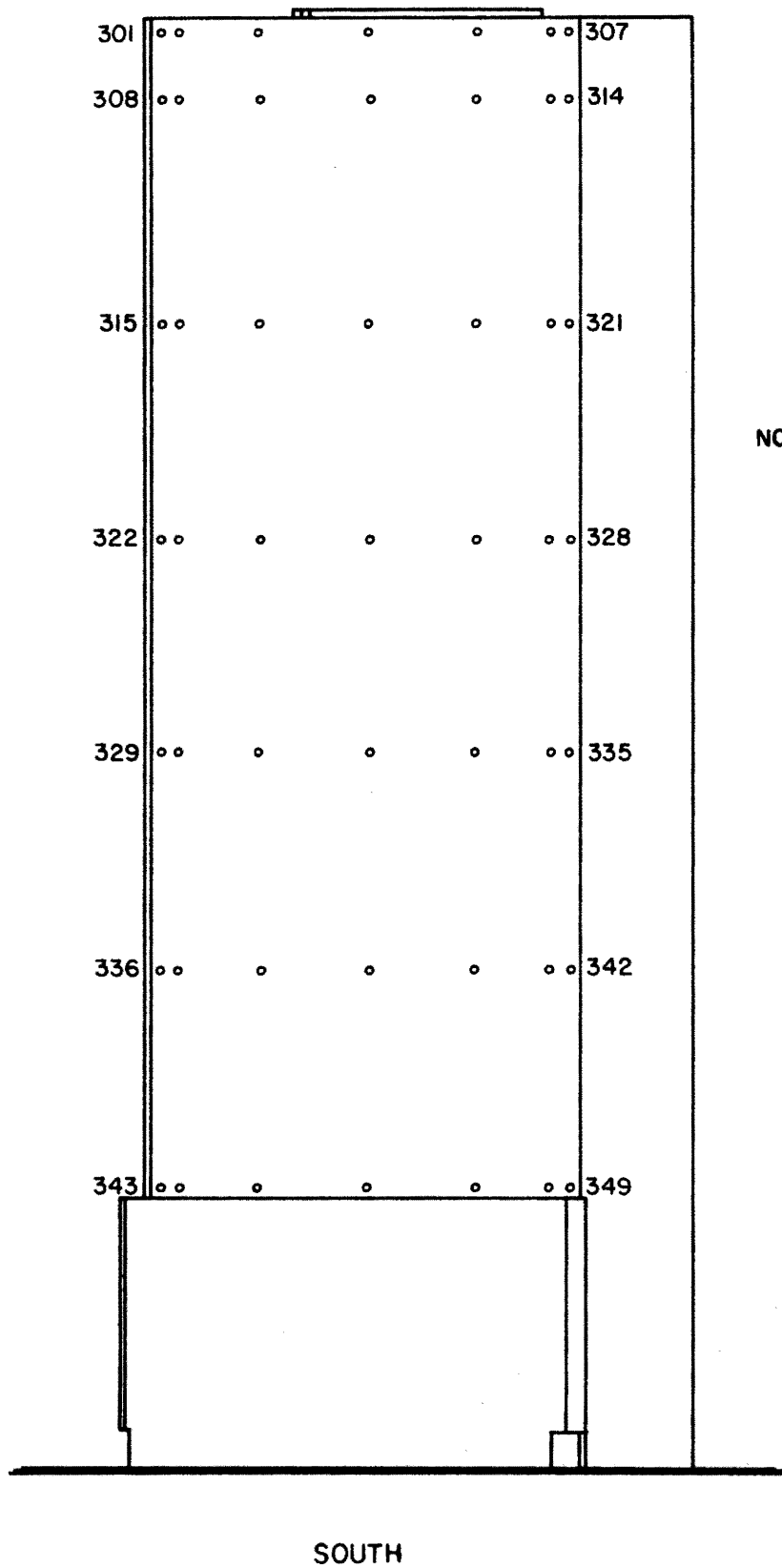


Figure 3d. Pressure Tap Locations

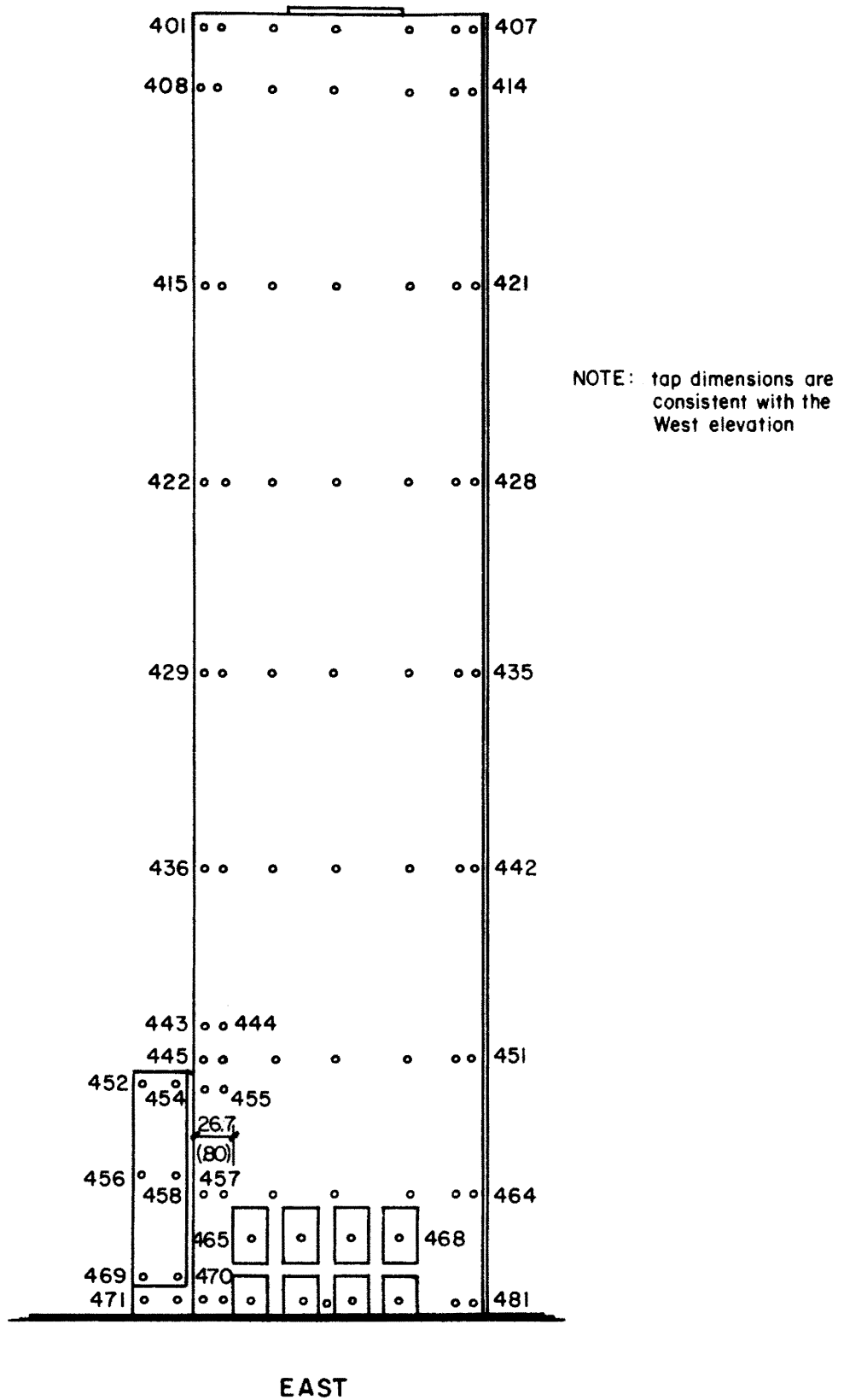
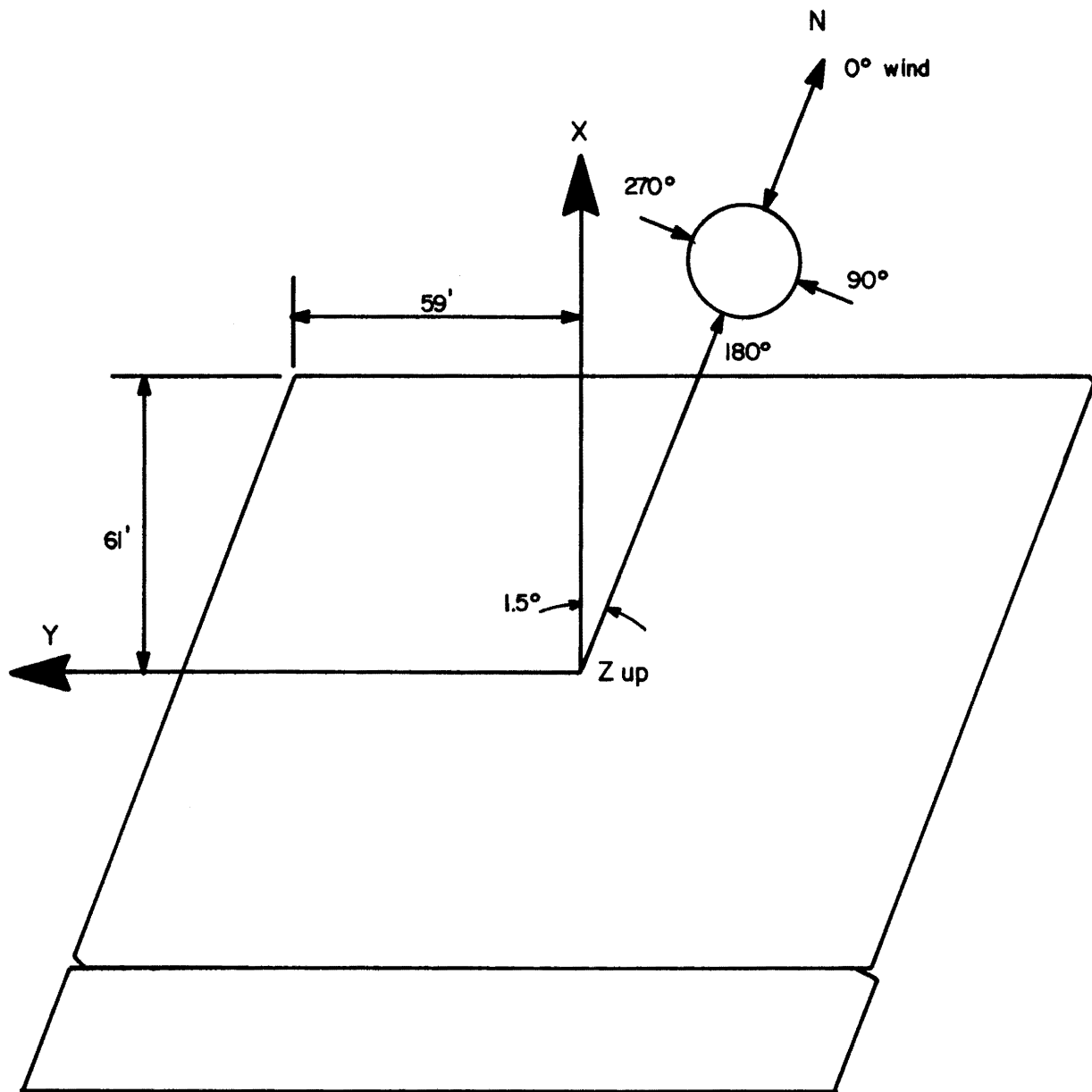


Figure 3e. Pressure Tap Locations



$Z = 0$ at 32.31'

Figure 3f. Pressure Tap Locations

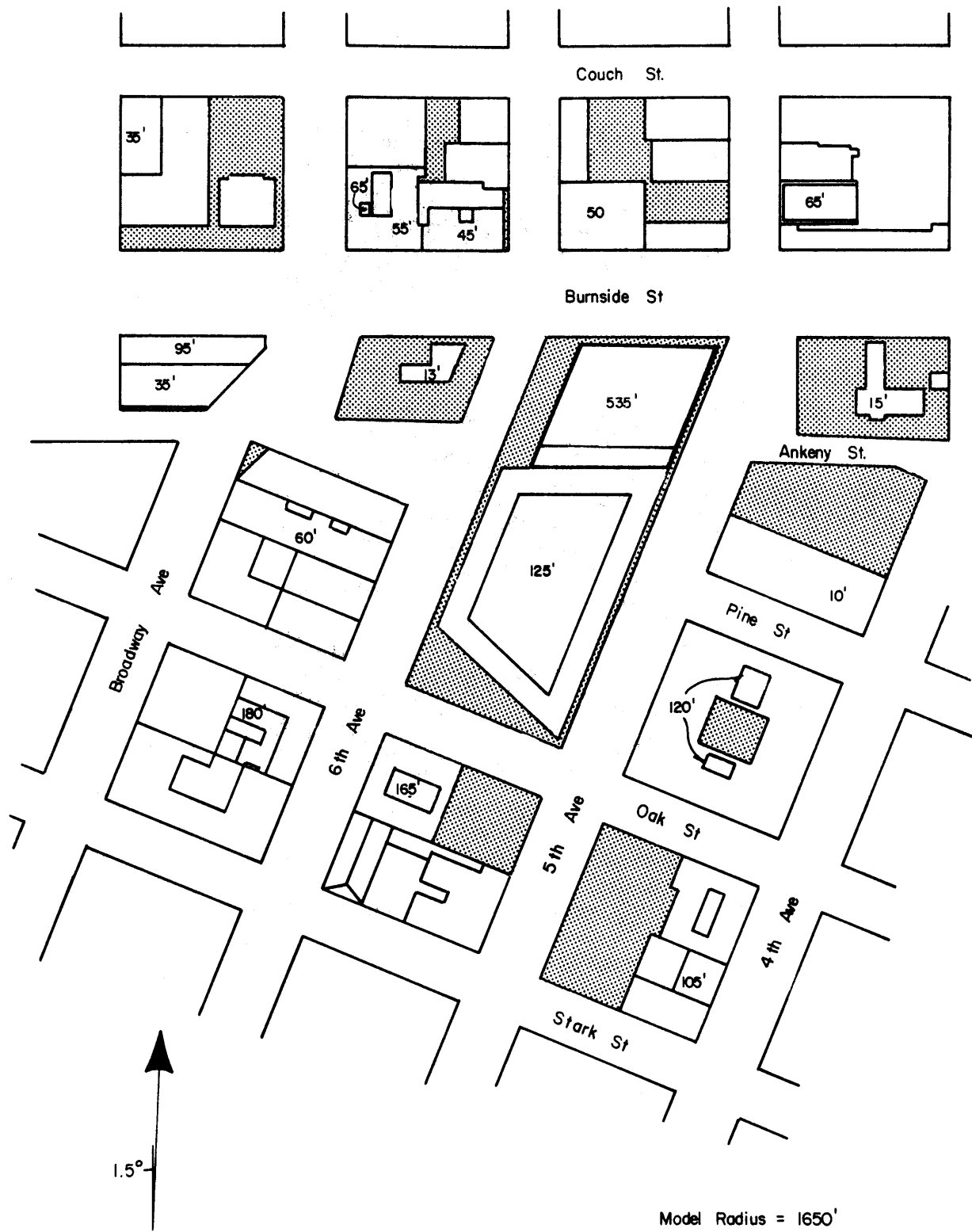


Figure 4. Building Location and Pedestrian Wind Velocity Measuring Positions



Figure 5. Completed Model in Wind Tunnel

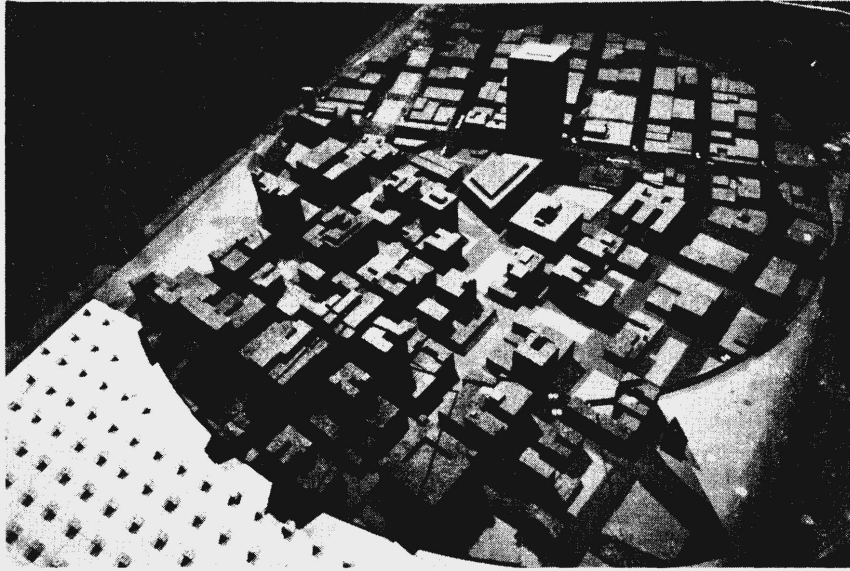


Figure 5. Completed Model in Wind Tunnel

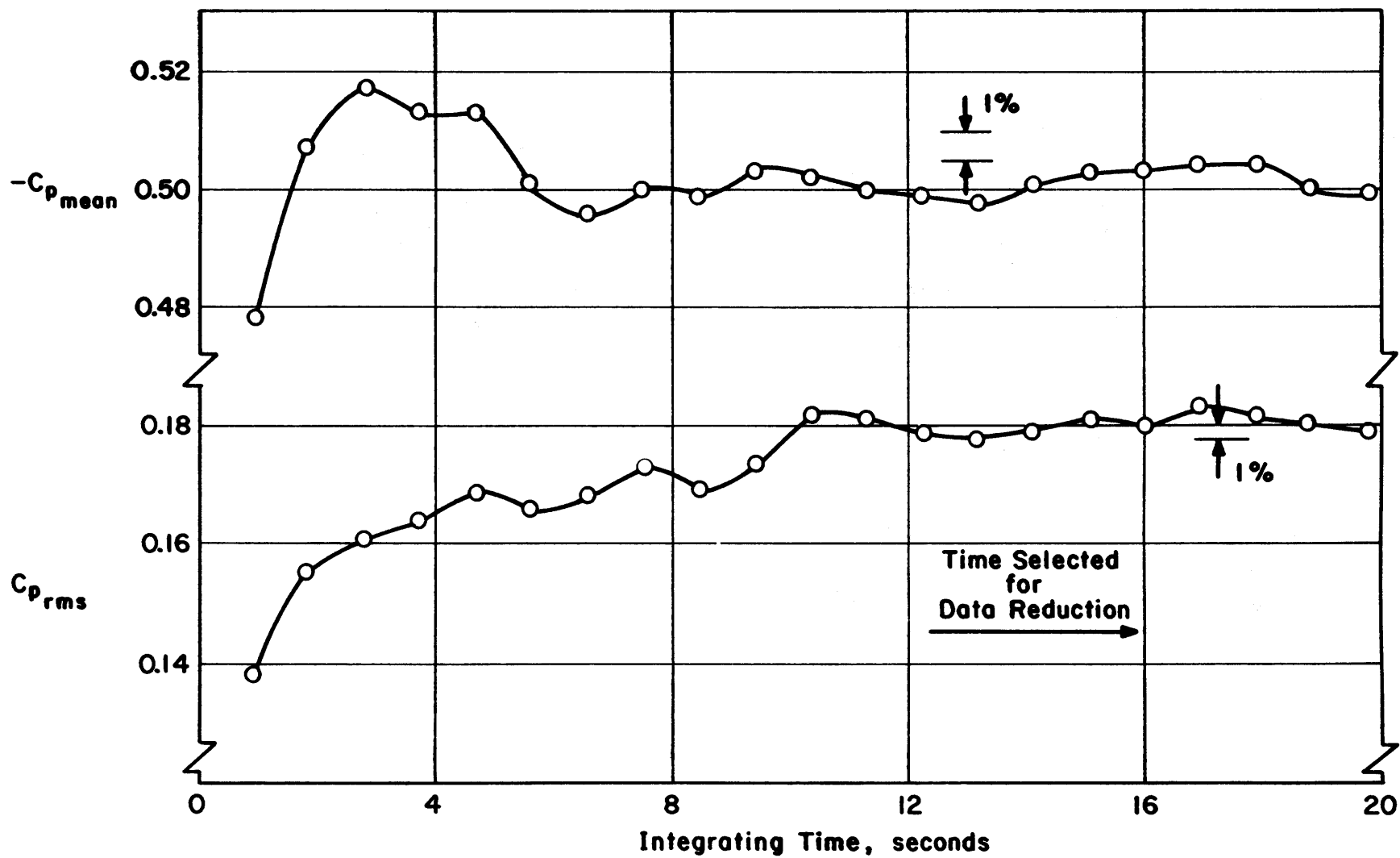


Figure 6- Data Sampling Time Verification

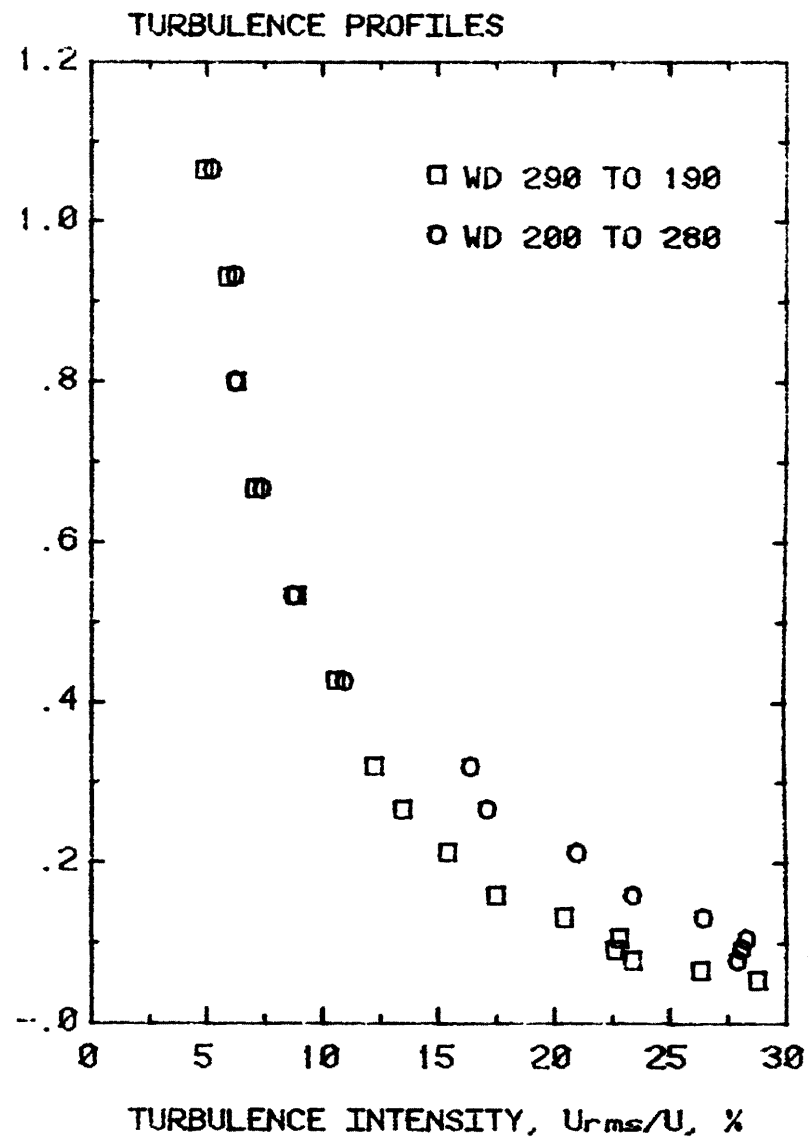
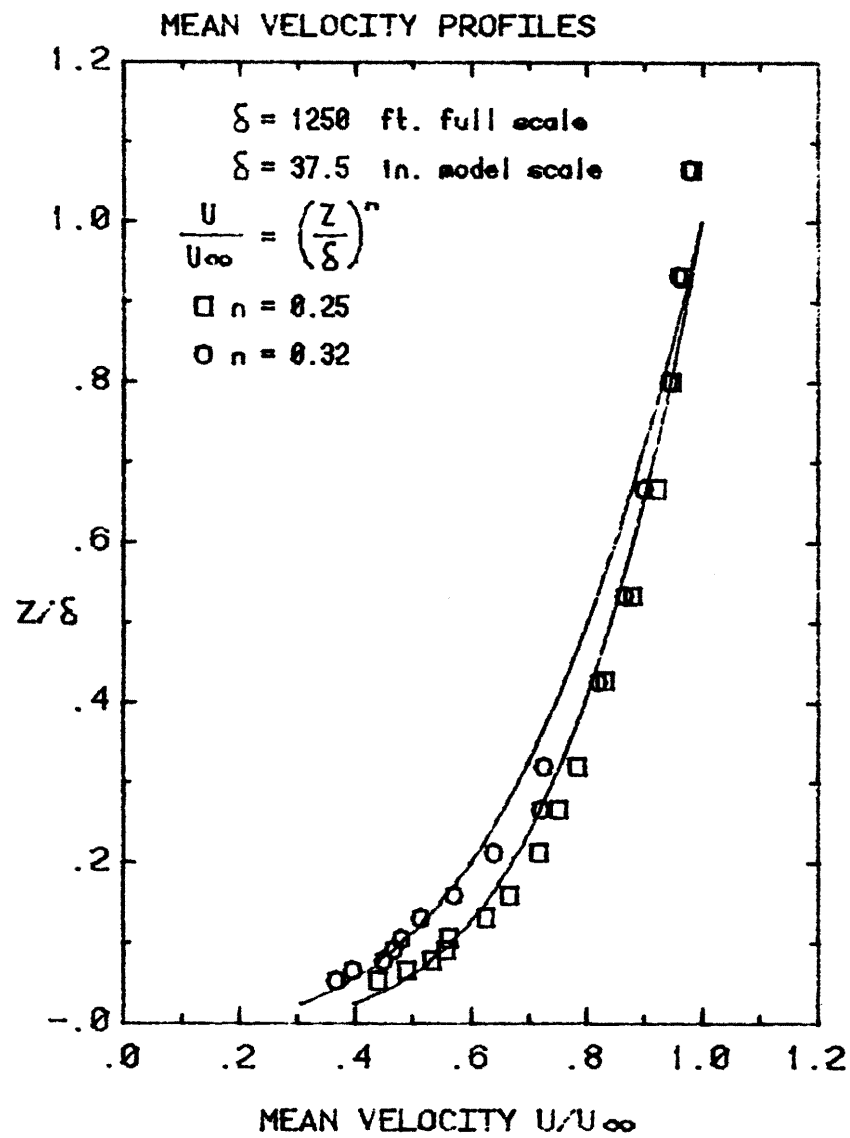


Figure 7. Mean Velocity and Turbulence Profiles Approaching the Model

FIGURE 8

Pedestrian wind velocities, which are normally obtained in a study of this type and reported within this standard report structure, were not obtained during this study at the sponsor's request.

FIGURE 9

Pedestrian wind velocities, which are normally obtained in a study of this type and reported within this standard report structure, were not obtained during this study at the sponsor's request.

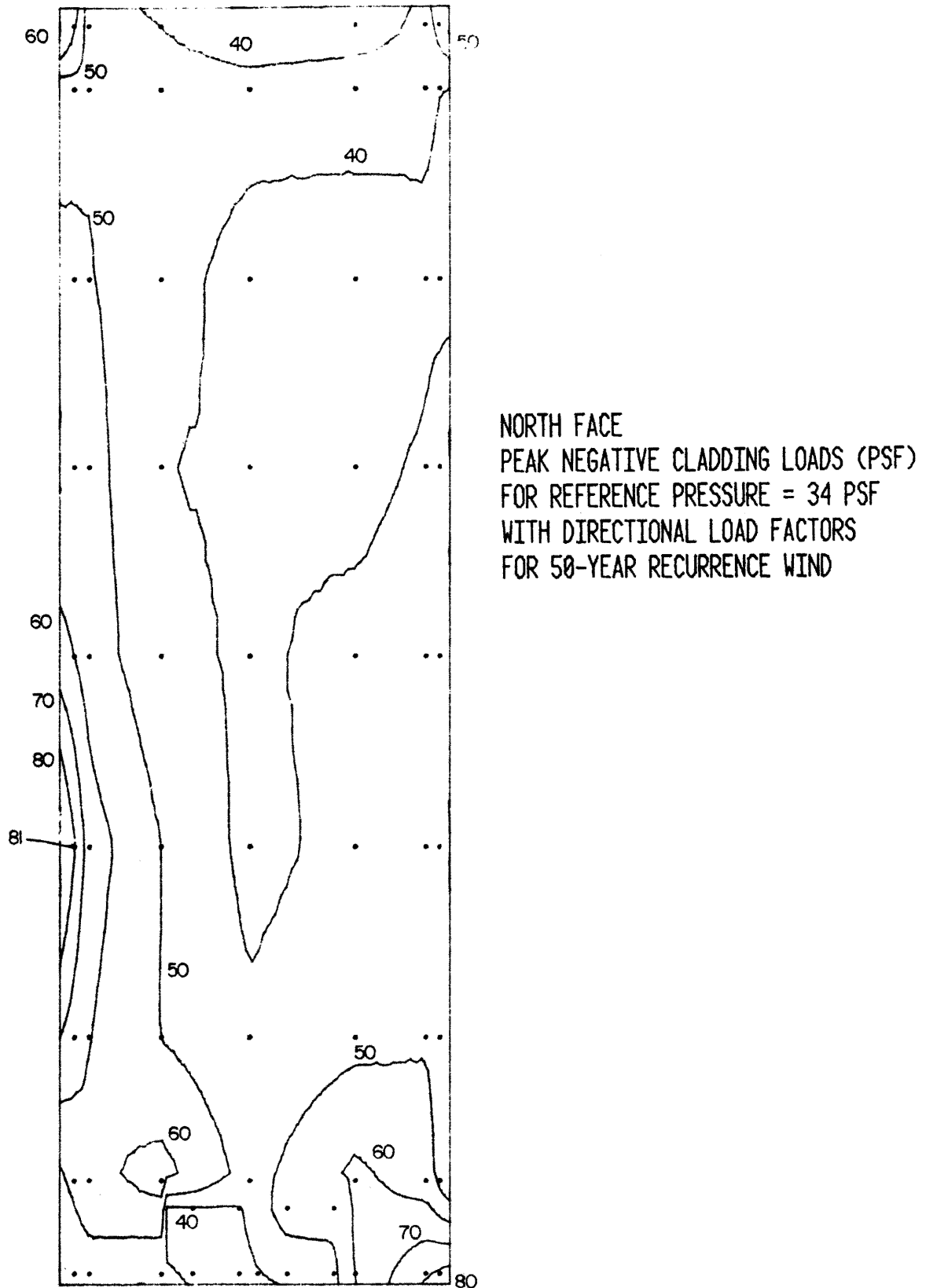


Figure 10a. Peak Pressure Contours on the Building
for Cladding Loads

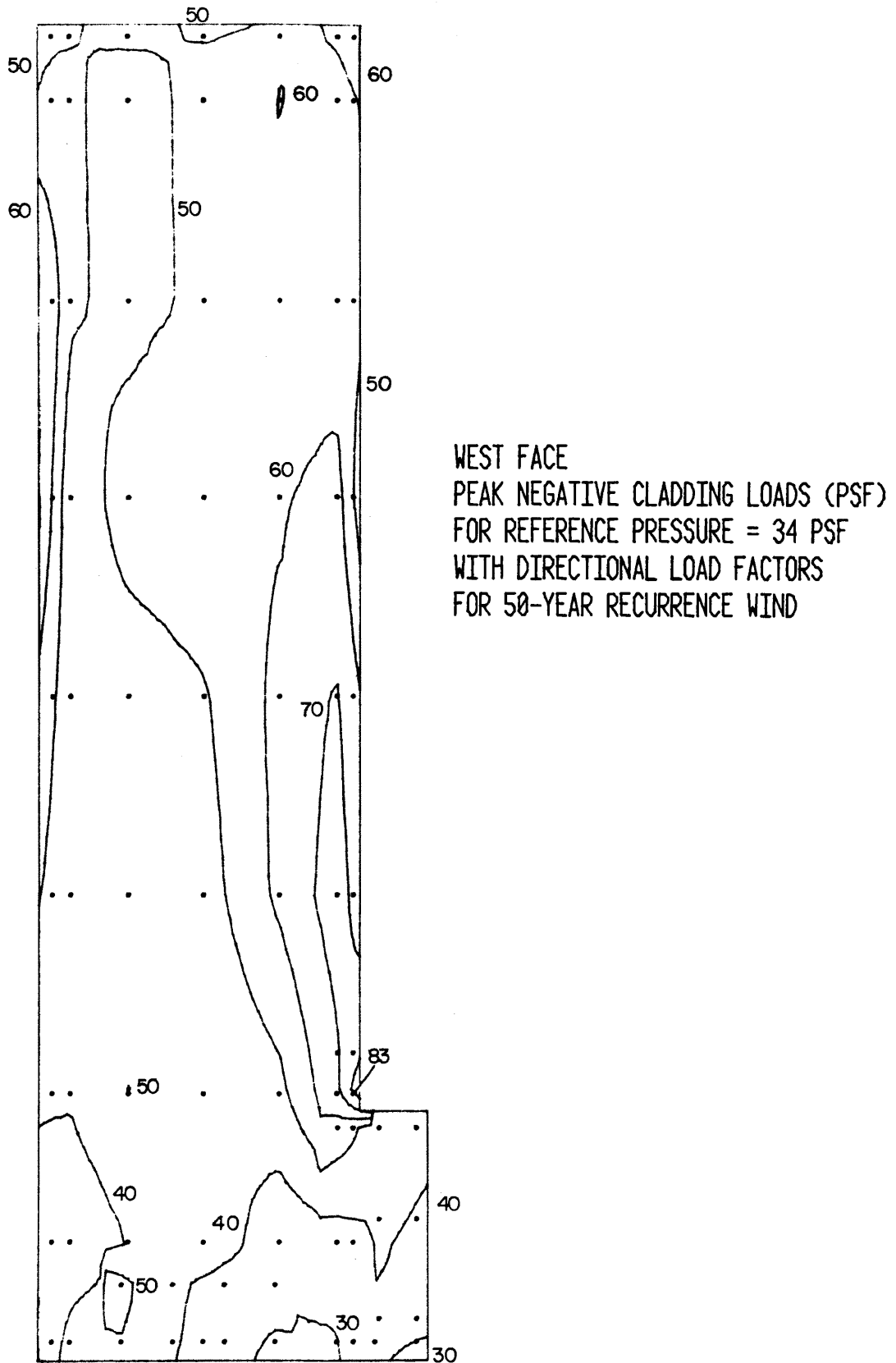
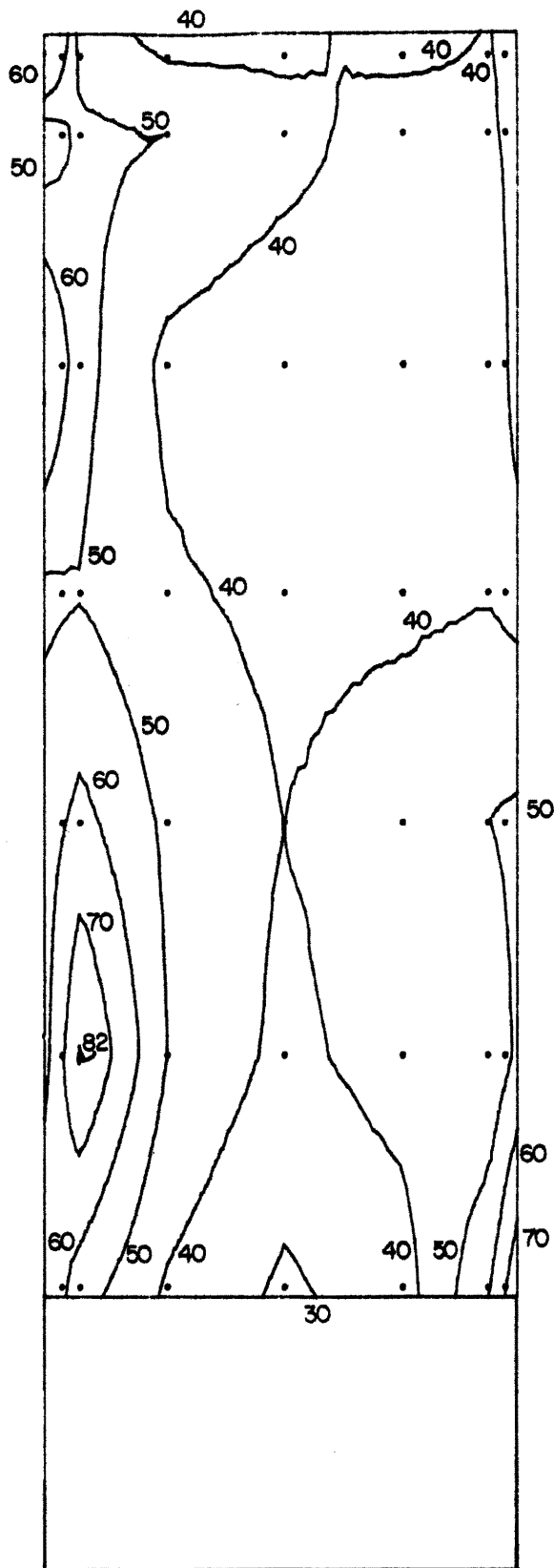
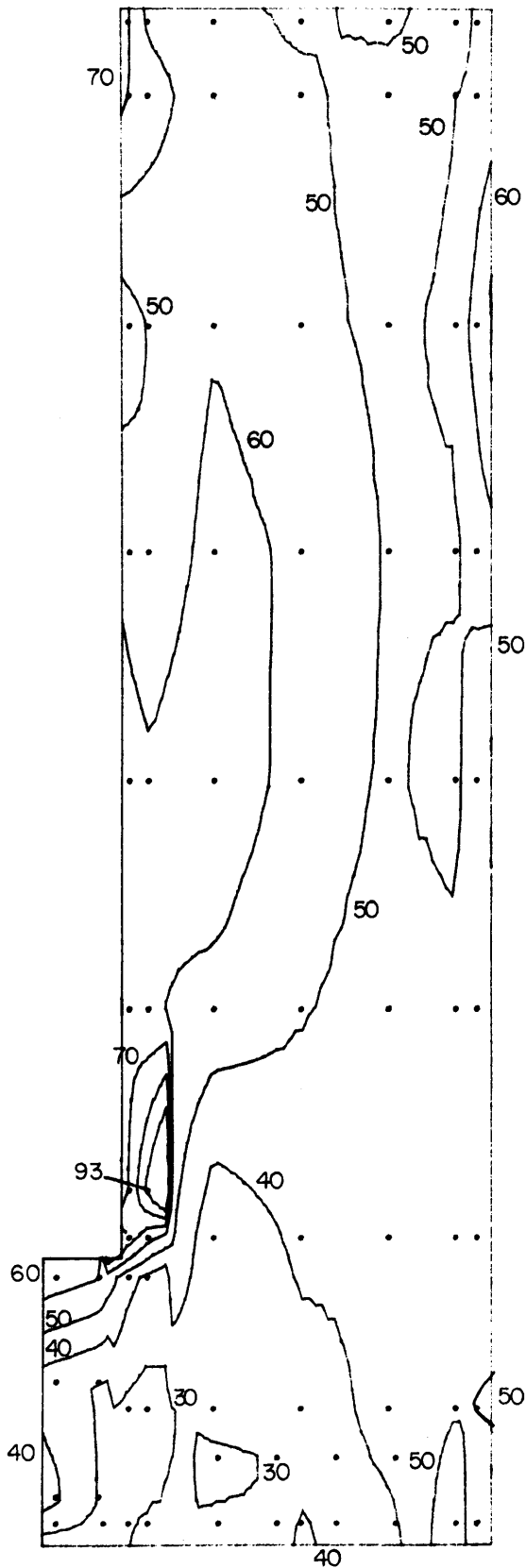


Figure 10b. Peak Pressure Contours on the Building
for Cladding Loads



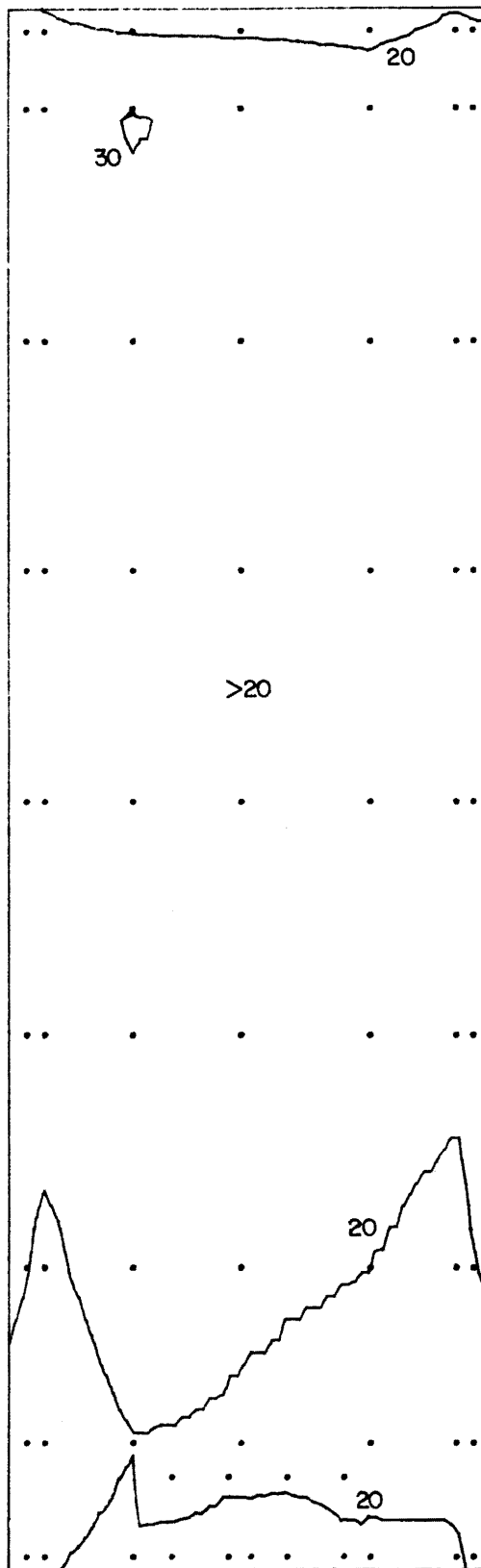
SOUTH FACE
PEAK NEGATIVE CLADDING LOADS (PSF)
FOR REFERENCE PRESSURE = 34 PSF
WITH DIRECTIONAL LOAD FACTORS
FOR 50-YEAR RECURRENCE WIND

Figure 10c. Peak Pressure Contours on the Building
for Cladding Loads



EAST FACE
 PEAK NEGATIVE CLADDING LOADS (PSF)
 FOR REFERENCE PRESSURE = 34 PSF
 WITH DIRECTIONAL LOAD FACTORS
 FOR 50-YEAR RECURRENCE WIND

Figure 10d. Peak Pressure Contours on the Building
 for Cladding Loads



NORTH FACE
PEAK POSITIVE CLADDING LOADS (PSF)
FOR REFERENCE PRESSURE = 34 PSF
WITH DIRECTIONAL LOAD FACTORS
FOR 50-YEAR RECURRENCE WIND

Figure 10e. Peak Pressure Contours on the Building
for Cladding Loads

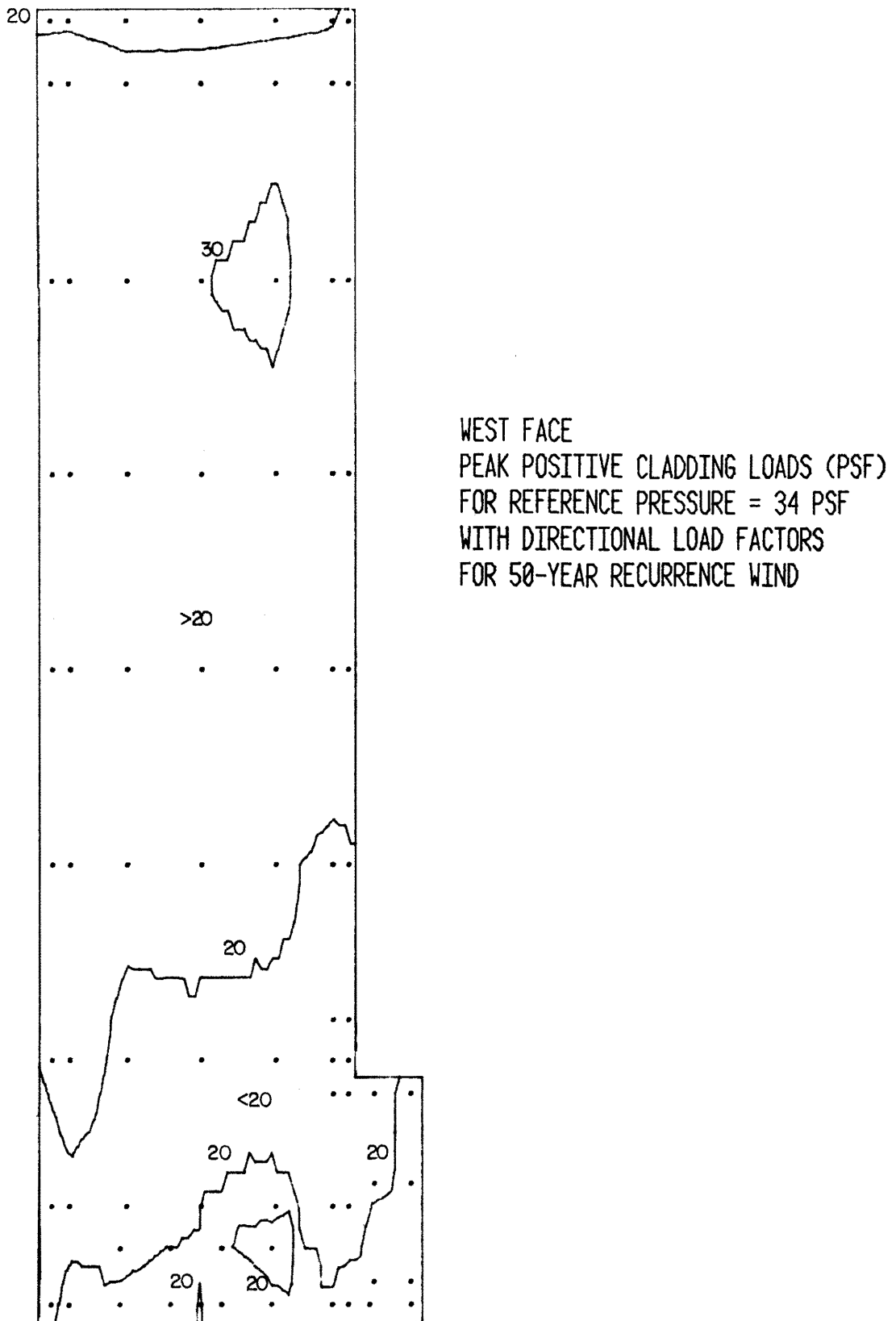
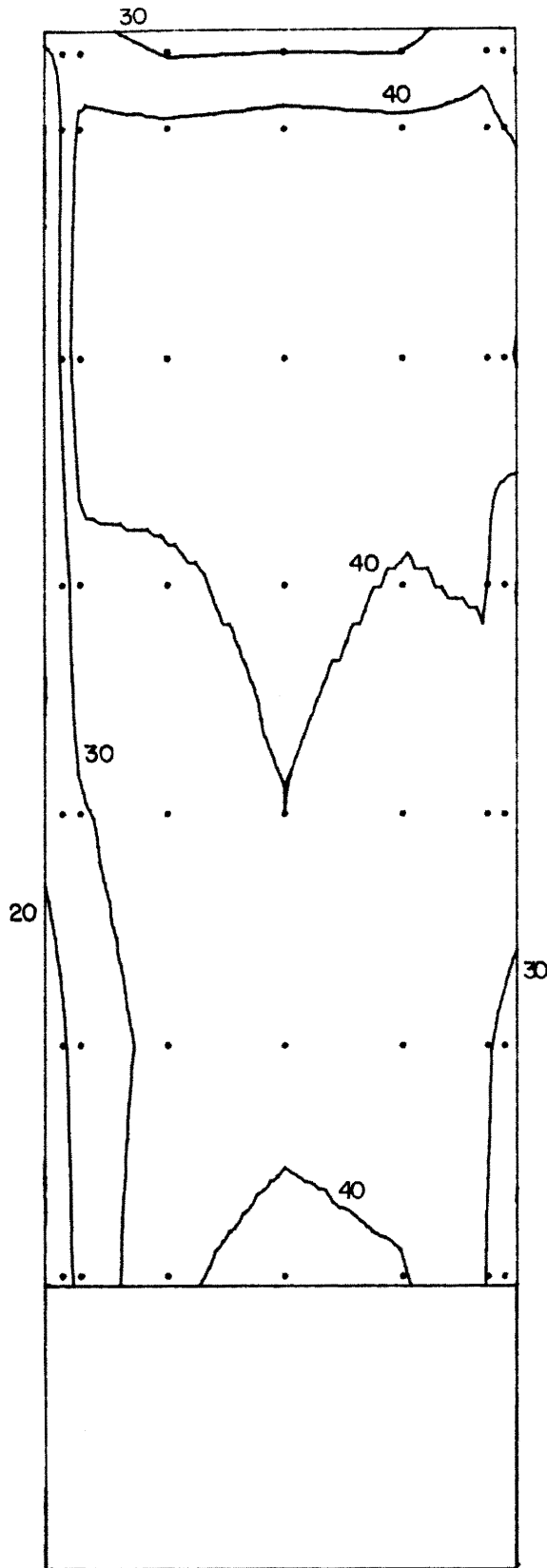
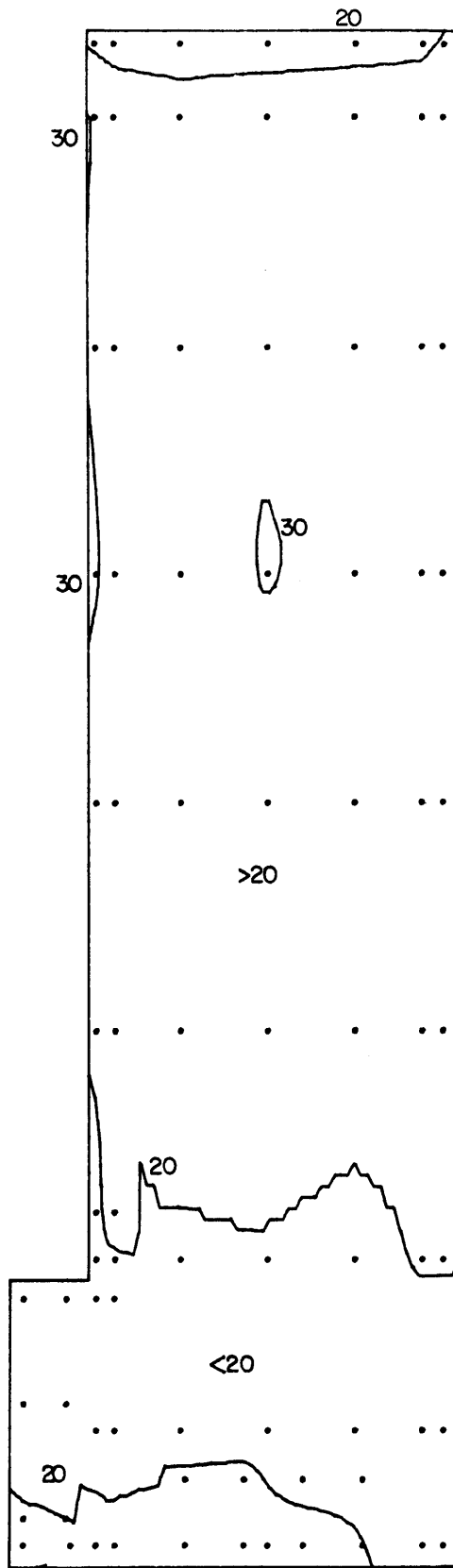


Figure 10f. Peak Pressure Contours on the Building
for Cladding Loads



SOUTH FACE
PEAK POSITIVE CLADDING LOADS (PSF)
FOR REFERENCE PRESSURE = 34 PSF
WITH DIRECTIONAL LOAD FACTORS
FOR 50-YEAR RECURRENCE WIND

Figure 10g. Peak Pressure Contours on the Building
for Cladding Loads



EAST FACE
 PEAK POSITIVE CLADDING LOADS (PSF)
 FOR REFERENCE PRESSURE = 34 PSF
 WITH DIRECTIONAL LOAD FACTORS
 FOR 50-YEAR RECURRENCE WIND

Figure 10h. Peak Pressure Contours on the Building
 for Cladding Loads

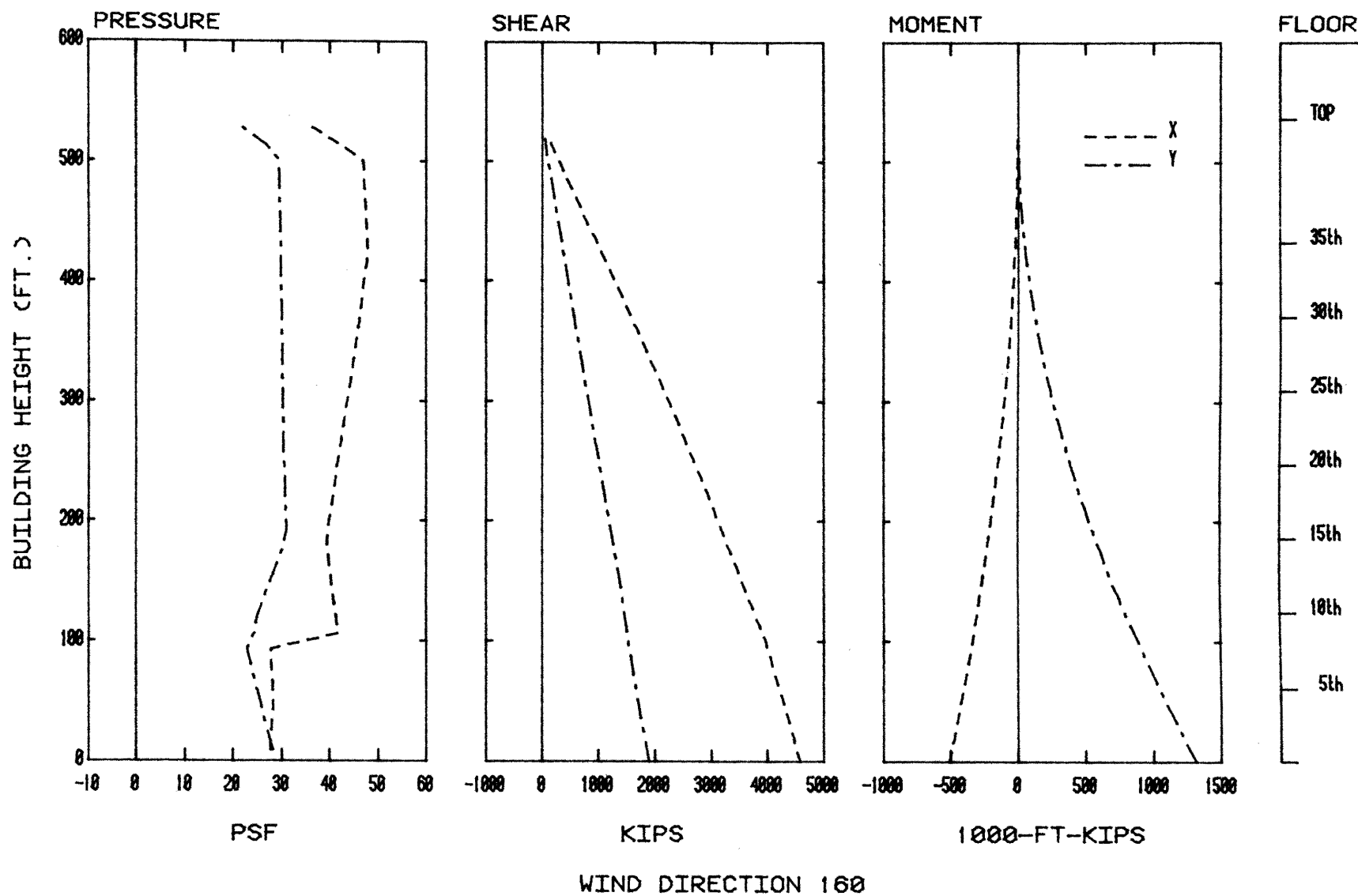


Figure 11. Load, Shear, and Moment Diagrams for Selected Wind Directions

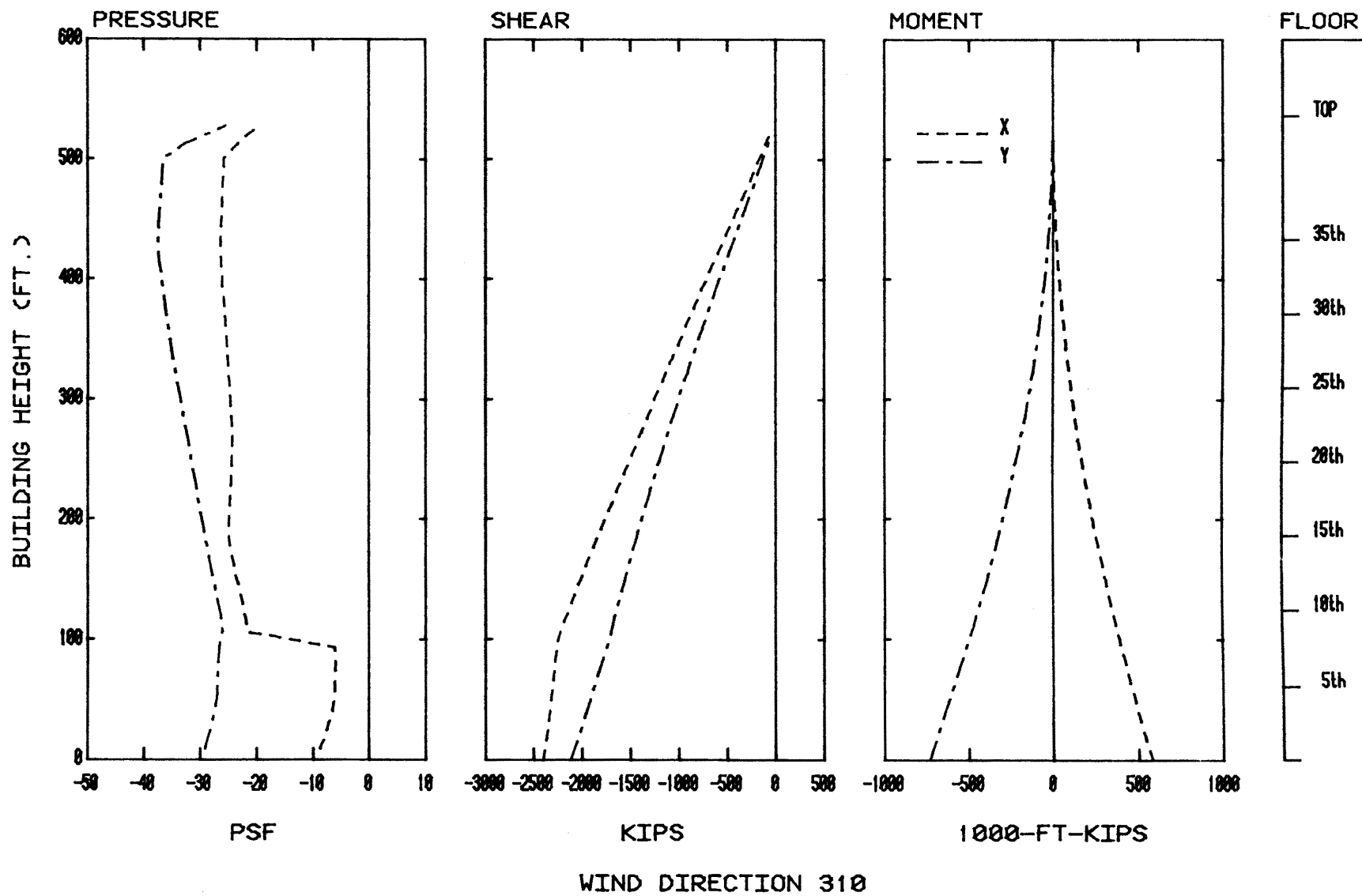


Figure 11. Load, Shear, and Moment Diagrams for Selected Wind Directions

TABLES

TABLE 1

MOTION PICTURE SCENE GUIDE

1. Introduction
2. Purposes for model testing
3. Procedures for conducting tests
4. Specific flow visualization scenes for

U. S. BANCORP BUILDINGHigh Pressure Areas

<u>Run</u>	<u>Pressure Tap</u>	<u>Azimuth, °</u>
1	337	280
2	349	90
3	336	270
4	207	210
5	901	40

TABLE 2

Pedestrian wind velocities, which are normally obtained in a study of this type and reported within this standard report structure, were not obtained during this study at the sponsor's request.

TABLE 3

Pedestrian wind velocities, which are normally obtained in a study of this type and reported within this standard report structure, were not obtained during this study at the sponsor's request.

TABLE 4

Pedestrian wind velocities, which are normally obtained in a study of this type and reported within this standard report structure, were not obtained during this study at the sponsor's request.

TABLE 5

CALCULATION OF REFERENCE PRESSURE

1. Basic wind speed from ANSI A58.1 proposed revision:

50-yr fastest mile at 30 ft = 81 mph*

Mean hourly wind speed = $\frac{81}{1.28} = 63.3$ mph

Mean hourly gradient wind speed = $63.3 \left(\frac{1000}{30} \right)^{.17} = 114.9$ mph

Mean hourly wind at reference location = U_{∞} = gradient wind
= 114.9 mph

Reference Pressure = $0.5 \rho U_{\infty}^2 = (.00256)(114.9)^2 = \underline{\underline{33.8}}$

Use 34 psf

2. Loads for 100-yr recurrence wind:

100-yr fastest mile at 30 ft = 87 mph

Multiply 50-yr loads by $\left(\frac{87}{81} \right)^2 = 1.15$

3. 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	$(1.26)^2 = 1.59$

The 30-second gust load factor was used in Table 7.

*Based on nondirectional wind data, load factors used for directional data appear on the following page.

TABLE 5 (continued)

PORTLAND, OREGON DIRECTIONAL LOAD FACTORS

50-year fastest miles were calculated based on data received from the National Weather Service for years 1950 to 1979 in Portland. An Extreme-Value Type I analysis was used, where:

$$P[S \leq 5] = e^{-e^{-y}}$$

$$y = \frac{1}{a} [S - U]$$

Direction	:	N	NE	E	SE	S	SW	W	NW
a	:	4.0	6.1	4.8	7.8	12.1	6.4	5.3	3.0
U	:	18	18	32	30	39	37	27	25
50-Year Fastest Mile	:	33	41	51	60	87	62	48	36
Controlling Wind Speed	:	70	70	70	70	87	70	70	70
Load Factor Relative to 81 mph Reference Pressure of 34 psf	:	0.75	0.75	0.75	0.75	1.15	0.75	0.75	0.75

TABLE 6A. PEAK LOADS FOR CONFIGURATION A : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
LARGEST VALUES OF CLADDING LOAD
REFERENCE PRESSURE = 34.0 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	
101	80	-2.43	-62.1	24.2	149	260	-1.86	-47.5	19.9	226	200	-1.51	-58.8	29.0
102	80	-1.78	-45.4	21.6	150	90	-2.06	-52.6	14.6	227	200	-1.65	-64.6	25.5
103	90	-1.57	-40.1	19.6	151	90	-2.25	-57.5	13.7	228	200	-1.29	-50.6	25.4
104	90	-1.25	-31.8	19.3	152	100	-2.53	-64.4	19.9	229	200	-1.32	-51.3	24.5
105	270	-1.35	-34.4	18.3	153	190	-1.19	-46.6	19.0	230	10	-1.74	-44.3	24.4
106	280	-1.67	-42.5	21.5	154	200	-1.61	-63.1	16.4	231	190	-1.11	-43.4	24.1
107	280	-2.17	-55.3	21.0	155	200	-1.41	-55.3	16.3	232	200	-1.26	-49.2	25.9
108	80	-1.82	-46.3	26.4	156	200	-1.20	-47.1	14.2	233	200	-1.61	-62.9	23.6
109	80	-1.93	-49.3	27.8	157	130	-1.50	-38.3	16.8	234	200	-1.82	-71.2	25.3
110	90	-1.80	-45.9	30.7	158	100	-1.53	-39.1	19.4	235	190	-1.63	-63.8	22.7
111	100	-1.75	-44.6	28.9	159	190	-1.42	-55.6	18.5	236	20	-1.87	-47.6	21.4
112	100	-1.81	-46.2	26.2	160	190	-1.36	-53.3	18.0	237	20	-1.69	-43.2	22.3
113	280	-1.70	-43.4	27.1	161	80	-1.71	-43.7	13.0	238	20	-1.68	-42.9	23.4
114	190	-1.04	-40.6	26.2	162	90	-1.78	-45.4	18.9	239	200	-1.16	-45.3	21.1
115	80	-2.07	-52.7	27.5	163	100	-1.61	-41.0	23.5	240	190	-1.60	-62.4	21.6
116	80	-1.99	-50.7	27.9	164	100	-1.56	-39.8	22.8	241	200	-1.92	-75.2	18.8
117	90	-1.75	-44.7	27.9	165	160	-1.94	-36.7	22.8	242	190	-1.74	-67.9	19.8
118	90	-1.41	-35.9	29.4	166	190	-1.01	-39.5	23.6	243	190	-1.77	-69.2	16.7
119	280	-1.28	-32.7	28.4	167	200	-1.10	-43.0	27.2	244	200	-1.93	-75.5	13.0
120	90	-1.44	-36.8	28.0	168	190	-1.21	-47.4	21.9	245	10	-1.64	-41.9	22.3
121	100	-1.37	-35.0	29.3	169	200	-1.54	-60.3	22.1	246	10	-1.63	-41.5	24.9
122	80	-2.00	-51.0	25.1	170	190	-2.02	-78.8	21.9	247	20	-1.98	-56.5	17.4
123	80	-2.11	-53.7	26.5	171	200	-2.09	-81.8	18.3	248	180	-1.02	-40.0	19.8
124	80	-1.58	-40.3	25.4	201	0	-1.92	-48.9	18.3	249	190	-1.20	-46.9	18.8
125	90	-1.54	-39.1	27.1	202	180	-1.26	-49.4	18.9	250	180	-1.73	-67.5	18.7
126	270	-1.44	-36.7	27.2	203	190	-1.35	-52.9	15.6	251	190	-2.13	-83.4	14.5
127	100	-1.64	-41.7	25.7	204	200	-1.26	-49.3	14.5	252	180	-1.09	-42.5	18.9
128	100	-1.92	-48.9	24.9	205	180	-1.35	-52.6	16.1	253	180	-1.07	-42.0	20.9
129	80	-2.35	-59.9	24.9	206	200	-1.60	-62.4	19.1	254	190	-1.43	-55.8	17.9
130	90	-2.16	-55.2	25.2	207	210	-2.64	-67.3	24.2	255	180	-1.34	-52.3	17.9
131	90	-1.69	-43.1	26.3	208	180	-1.33	-52.1	27.7	256	180	-1.05	-41.2	18.5
132	90	-1.52	-38.7	28.1	209	10	-2.13	-54.3	27.5	257	190	-1.02	-39.8	21.5
133	260	-1.70	-43.4	24.0	210	190	-1.03	-40.2	25.0	258	30	-1.28	-32.6	15.9
134	270	-1.80	-45.8	24.2	211	200	-1.46	-57.2	26.8	259	20	-1.25	-31.9	17.9
135	90	-1.81	-46.2	25.0	212	200	-1.53	-60.0	29.6	260	10	-1.57	-40.2	17.3
136	190	-2.08	-81.4	22.3	213	200	-1.37	-53.4	28.2	261	40	-1.88	-47.8	20.2
137	80	-2.55	-64.9	24.4	214	200	-1.51	-58.3	29.3	262	40	-1.31	-33.5	20.9
138	100	-1.97	-50.3	23.2	215	200	-1.68	-65.6	28.6	263	50	-1.39	-35.5	19.1
139	90	-1.46	-37.2	22.7	216	190	-1.33	-52.1	27.3	264	160	-1.95	-37.2	18.4
140	270	-1.69	-43.2	23.2	217	200	-1.18	-46.3	27.3	265	40	-2.10	-53.6	18.4
141	270	-1.86	-47.4	21.7	218	200	-1.35	-52.6	30.3	266	20	-1.65	-42.1	20.4
142	270	-1.66	-42.2	22.7	219	200	-1.35	-52.9	31.1	267	30	-1.42	-36.2	20.5
143	100	-2.57	-65.4	20.8	220	200	-1.34	-52.4	28.0	268	40	-1.47	-37.5	18.8
144	90	-2.37	-60.4	18.0	221	200	-1.35	-52.6	28.1	269	160	-1.01	-39.5	26.9
145	90	-1.96	-49.9	26.5	222	190	-1.53	-59.7	27.0	270	170	-1.97	-38.1	23.1
146	190	-1.08	-42.1	21.8	223	200	-1.07	-41.8	25.6	271	10	-1.37	-34.8	19.1
147	190	-1.21	-47.2	20.2	224	190	-1.44	-56.3	27.3	272	30	-1.73	-44.2	22.0
148	260	-1.94	-49.4	18.1	225	200	-1.52	-59.5	27.8	273	30	-1.96	-49.9	21.5

TABLE 6A. PEAK LOADS FOR CONFIGURATION A : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
LARGEST VALUES OF CLADDING LOAD
REFERENCE PRESSURE = 34.0 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 -----
274	40	-1.60	-40.9	23.0	341	90	-1.60	-40.8	31.0	440	20	-1.83	-46.8	22.9
275	30	-1.51	-38.5	19.7	342	90	-1.86	-47.4	28.1	441	20	-1.87	-47.6	21.8
276	40	-1.46	-37.2	24.2	343	270	-2.44	-62.2	15.9	442	20	-1.83	-46.8	22.4
277	30	-1.11	-28.3	21.0	344	270	-2.16	-55.1	23.4	443	190	-1.82	-71.1	19.1
278	50	-1.16	-29.5	20.5	345	280	-1.54	-39.2	37.9	444	190	-2.38	-92.9	22.6
279	40	-1.40	-35.6	21.7	346	190	1.15	-28.6	44.9	445	200	-2.02	-79.1	19.4
280	160	-1.94	-36.7	22.6	347	180	1.05	-36.0	41.0	446	190	-1.61	-63.0	19.5
281	160	-1.76	-29.8	22.1	348	100	-2.30	-58.5	30.4	447	10	-1.25	-31.8	19.7
301	260	-2.51	-64.0	32.1	349	90	-2.73	-69.5	22.4	448	10	-1.66	-42.3	19.6
302	270	-1.86	-47.4	35.3	401	190	-1.81	-70.9	18.8	449	10	-1.61	-41.0	18.4
303	270	-1.55	-39.6	29.5	402	190	-1.50	-58.7	16.7	450	20	-1.70	-43.4	20.7
304	280	-1.52	-38.8	30.1	403	190	-1.37	-53.5	15.1	451	30	-1.64	-41.9	20.5
305	280	-1.65	-42.2	29.9	404	200	-1.25	-48.7	14.6	452	180	-1.67	-65.3	18.9
306	100	-1.55	-39.4	38.6	405	200	-1.34	-52.3	16.0	453	190	-1.55	-60.7	19.7
307	100	-1.62	-41.4	31.6	406	30	-1.73	-44.2	17.7	454	170	-1.10	-43.1	16.9
308	260	-1.86	-47.4	30.8	407	20	-2.06	-52.4	21.5	455	190	-1.99	-38.5	17.1
309	260	-2.04	-52.1	42.7	408	190	-1.80	-70.4	29.9	456	350	-1.33	-33.9	16.5
310	280	-1.97	-50.3	41.8	409	180	-1.66	-64.8	27.3	457	190	-1.75	-29.3	15.8
311	190	1.14	-44.0	44.4	410	190	-1.38	-53.9	25.5	458	0	-1.10	-28.1	16.2
312	170	1.09	-34.9	42.7	411	200	-1.34	-52.2	28.7	459	0	-1.02	-26.1	17.1
313	160	1.09	-38.4	42.5	412	200	-1.16	-45.4	29.2	460	0	-1.39	-35.4	16.8
314	100	-1.61	-41.0	40.6	413	30	-1.96	-50.0	28.7	461	10	-1.40	-35.8	16.9
315	260	-2.53	-64.4	32.0	414	200	-1.34	-52.5	28.9	462	10	-1.69	-43.0	17.6
316	260	-2.10	-53.6	48.6	415	190	-1.18	-46.1	29.1	463	10	-1.94	-49.6	15.2
317	190	1.13	-37.7	44.3	416	180	-1.29	-50.6	28.3	464	20	-1.97	-50.1	16.6
318	180	1.07	-33.3	41.9	417	190	-1.51	-59.2	30.0	465	10	-1.10	-27.9	21.6
319	170	1.11	-37.3	43.2	418	190	-1.35	-52.7	29.1	466	0	-1.21	-30.8	22.3
320	160	1.05	-32.2	41.1	419	200	-1.23	-48.3	29.5	467	0	-1.46	-37.3	16.4
321	160	1.20	-38.9	47.0	420	190	-1.33	-52.0	26.6	468	20	-1.65	-42.1	17.6
322	260	-1.91	-48.7	25.9	421	200	-1.66	-65.0	26.5	469	0	-1.66	-42.4	21.0
323	270	-1.95	-49.7	36.8	422	180	-1.42	-55.7	31.1	470	20	-1.18	-30.0	19.7
324	270	-1.64	-41.7	39.2	423	190	-1.32	-51.6	27.4	471	350	-1.29	-33.0	25.7
325	200	1.08	-37.7	42.1	424	200	-1.65	-64.6	27.4	472	350	-1.08	-27.5	26.6
326	170	1.02	-38.2	39.8	425	190	-1.49	-58.1	30.8	473	0	-1.17	-29.7	23.5
327	160	1.05	-39.5	40.9	426	200	-1.26	-49.5	27.4	474	0	-1.21	-30.9	22.2
328	280	-1.49	-38.0	34.3	427	200	-1.25	-49.1	27.8	475	10	-1.24	-31.5	25.1
329	270	-2.33	-59.5	26.6	428	200	-1.37	-53.6	25.5	476	0	-1.21	-30.7	23.7
330	280	-2.48	-63.2	29.5	429	190	-1.66	-65.1	24.3	477	10	-1.63	-42.1	24.1
331	270	-1.89	-48.1	36.1	430	200	-1.60	-62.4	23.6	478	0	-1.37	-34.8	25.8
332	280	-1.58	-40.3	40.0	431	190	-1.76	-68.8	24.7	479	20	-1.53	-39.1	20.5
333	90	-1.79	-45.6	36.3	432	200	-1.42	-55.4	24.5	480	20	-2.26	-57.5	15.7
334	90	-1.97	-50.2	36.5	433	200	-1.26	-49.1	25.2	481	10	-1.86	-42.3	12.0
335	100	-2.01	-51.3	36.4	434	10	-2.08	-53.1	25.7	901	40	-2.62	-66.7	10.7
336	270	-2.71	-69.1	18.6	435	200	-1.11	-43.5	22.4	902	190	-1.04	-40.6	9.2
337	280	-3.22	-82.1	25.7	436	200	-1.74	-67.9	21.0	903	270	-1.48	-37.8	7.7
338	270	-1.97	-50.2	33.0	437	190	-1.57	-61.3	20.6	904	190	-1.19	-46.6	2
339	270	-1.47	-37.6	34.7	438	200	-1.45	-56.9	22.2	905	190	-1.21	-47.4	10.1
340	90	-1.75	-44.6	32.8	439	200	-1.30	-50.9	23.9	906	190	-1.32	-51.5	1.3

TABLE 6A. PEAK LOADS FOR CONFIGURATION A : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
LARGEST VALUES OF CLADDING LOAD

TAP	AZI- MUTH	PRESS COEFF	NEGATIVE		POSITIVE		TAP	AZI- MUTH	PRESS COEFF	NEGATIVE		POSITIVE		TAP	AZI- MUTH	PRESS COEFF	NEGATIVE		POSITIVE	
			PEAK	PSF	PEAK					PEAK	PSF	PEAK					PEAK	PSF	PEAK	
907	170	-1.21	-47.2		10.1		912	180	-1.12	-43.9		1.9		916	90	-2.15	-54.7		6.2	
908	200	-1.40	-57.8		4.5		913	180	-1.53	-59.9		11.6		917	160	1.02	-33.9		39.9	
909	200	-1.89	-74.0		5.3		914	190	-1.75	-68.3		4.8		918	180	1.24	-37.4		48.5	
910	200	-1.03	-40.4		4.4		915	190	-1.34	-52.4		9.4		919	20	-1.16	-29.5		17.0	
911	200	-1.12	-43.8		5.9															

TABLE 6A. PEAK LOADS FOR CONFIGURATION A : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
LARGEST VALUES OF CLADDING LOAD REFERENCE PRESSURE = 34.0 PSF

* * 15 GREATEST PRESSURE MAGNITUDES * *

TAP	AZI- MUTH	PRESS COEFF	NEGATIVE PEAK ----- PSF	POSITIVE PEAK -----
444	190	-2.38	-92.9	22.6
251	190	-2.13	-83.4	14.5
337	280	-3.22	-82.1	25.7
171	200	-2.09	-81.8	18.3
136	190	-2.08	-81.4	22.3
445	200	-2.02	-79.1	19.4
170	190	-2.02	-78.8	21.9
244	200	-1.93	-75.5	13.0
241	200	-1.92	-75.2	18.8
909	200	-1.89	-74.0	5.3
234	200	-1.82	-71.2	25.3
443	190	-1.82	-71.1	19.1
401	190	-1.81	-70.9	18.8
408	190	-1.80	-70.4	29.9
349	90	-2.73	-69.5	22.4

TABLE 6A. PEAK LOADS FOR CONFIGURATION B : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
LARGEST VALUES OF CLADDING LOAD

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 -----
137	90	-2.67	-68.2	25.6	301	260	-2.57	-65.4	35.2	337	272	-2.62	-66.8	15.6
143	90	-3.07	-78.4	27.8	315	270	-2.17	-55.3	28.5	349	86	-2.77	-70.8	14.2
152	98	-2.09	-53.2	17.3	336	264	-2.84	-72.3	20.9	901	38	-2.66	-67.8	9.0
207	202	-1.85	-72.5	27.6										

TABLE 6A. PEAK LOADS FOR CONFIGURATION B : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
LARGEST VALUES OF CLADDING LOAD REFERENCE PRESSURE = 34.0 PSF

* * 10 GREATEST PRESSURE MAGNITUDES * *

TAP	AZI- MUTH	PRESS COEFF	NEGATIVE PEAK ----- PSF -----	POSITIVE PEAK -----
143	90	-3.07	-78.4	27.8
207	202	-1.85	-72.5	27.6
336	264	-2.84	-72.3	20.9
349	86	-2.77	-70.8	14.2
137	90	-2.67	-68.2	25.6
901	38	-2.66	-67.8	9.0
337	272	-2.62	-66.8	15.6
301	260	-2.57	-65.4	35.2
315	270	-2.17	-55.3	28.5
152	98	-2.09	-53.2	17.3

TABLE 6B. COMPARISON OF CONFIGURATIONS A AND B : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
TAPS WHERE NEGATIVE PEAK LOAD FOR CONFIG. B EXCEEDED THAT FOR CONFIG. A BY 5 PSF
REF. PRESSURE = 34.0 PSF

TAP	AZIMUTH	A CONFIG. PSF LOAD	AZIMUTH	B CONFIG. PSF LOAD
143	100	-65.4	90	-78.4
207	210	-67.3	202	-72.5

TABLE 7. BASE SHEAR AND MOMENT SUMMARY : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
 CONFIGURATION A REFERENCE PRESSURE 34.0 GUST FACTOR 1.32
 ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

AZIMUTH	SHEAR (KIPS)		MOMENT (1000-FT-KIPS)			ECCEN (%)	
	X	Y	X	Y	Z	X	Y
0	-2770.0	-614.4	82.1	-814.9	-44.9	6	19
10	-2521.0	-131.5	-33.8	-750.9	-79.1	3	38
20	-2433.5	-244.1	57.0	-754.4	-101.7	7	50
30	-2197.5	68.5	21.4	-696.4	-107.4	-2	60
40	-1725.7	848.1	-187.7	-571.3	-75.7	-28	43
50	-1204.0	1413.0	-345.7	-429.1	-31.2	-21	13
60	-639.7	1690.3	-443.4	-255.1	16.3	14	-4
70	-212.0	1705.0	-479.6	-106.6	51.1	48	-4
80	722.3	1711.8	-491.7	167.4	102.1	83	26
90	1050.4	1746.3	-503.3	229.8	89.1	61	27
100	1336.4	1981.2	-560.8	279.7	51.6	29	15
110	1831.1	2100.3	-582.9	430.9	37.3	17	11
120	2314.9	2109.7	-576.7	593.5	27.9	10	8
130	2671.5	1977.1	-539.2	719.6	18.3	5	5
140	2802.6	1739.2	-475.2	777.3	8.3	2	3
150	2953.7	1616.4	-436.0	837.2	-1.5	-0	-0
160	4589.6	1907.5	-566.0	1317.4	-27.0	-3	-6
170	4331.8	1223.3	-294.8	1253.0	-47.1	-5	-12
180	3805.9	435.5	-36.6	1109.5	-77.0	-4	-24
190	3393.0	-77.0	99.1	1005.5	-105.5	1	-38
200	2911.1	49.8	37.0	896.6	-119.1	-1	-50
210	1575.2	-144.4	162.4	494.3	-70.8	7	-54
220	1523.8	-563.9	251.2	457.0	-49.6	17	-35
230	1280.1	-822.5	340.2	360.2	-20.9	12	-14
240	824.0	-1073.4	372.8	205.8	15.0	-14	8
250	420.2	-1174.7	407.4	82.7	43.1	-53	14
260	-107.5	-1314.2	424.7	-81.7	79.4	-98	-6
270	-511.5	-1418.4	482.9	-189.1	84.7	-87	-23
280	-831.5	-1645.3	564.8	-263.7	56.5	-45	-17
290	-1274.0	-1975.2	582.6	-390.9	48.4	-28	-14
300	-1894.5	-2067.1	583.2	-579.7	44.9	-19	-13
310	-2398.0	-2117.7	554.7	-728.9	38.4	-13	-11
320	-2774.7	-2072.5	499.6	-840.6	27.5	-8	-8
330	-2997.9	-1928.9	384.4	-909.6	15.2	-4	-4
340	-3065.0	-1586.5	251.2	-915.7	-4.0	1	1
350	-3039.8	-1167.8	82.1	-893.2	-23.1	4	8

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 0 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
GRND	0.00									-2770.0	-614.4	82.1	-814.9	-44.9
2ND	18.19	-58.1	-63.3	3984	2655	-14.6	-23.9	10	7	-2711.9	-551.0	71.5	-765.0	-44.2
3RD	32.19	-40.3	-48.8	3066	2043	-13.2	-23.9	10	6	-2671.5	-502.3	64.2	-727.4	-43.7
4TH	47.69	-40.4	-53.4	3395	2262	-11.9	-23.6	10	6	-2631.1	-448.8	56.8	-686.3	-43.2
5TH	60.69	-32.9	-43.6	2847	1897	-11.6	-23.0	11	6	-2598.2	-405.2	51.2	-652.3	-42.7
6TH	73.69	-32.1	-41.1	2847	1897	-11.3	-21.7	15	9	-2566.1	-364.1	46.2	-618.7	-42.1
7TH	86.69	-31.3	-38.5	2847	1897	-11.0	-20.3	19	11	-2534.7	-325.7	41.8	-585.5	-41.4
8TH	100.19	-32.3	-37.0	2955	1965	-10.9	-18.8	22	15	-2502.5	-288.6	37.6	-551.5	-40.5
9TH	112.52	-65.6	-24.8	2580	1485	-25.4	-16.7	4	7	-2436.8	-263.8	34.2	-521.1	-40.1
10TH	124.85	-66.1	-22.7	2580	1485	-25.6	-15.3	4	9	-2370.7	-241.1	31.1	-491.5	-39.6
11TH	137.18	-66.8	-20.8	2580	1485	-25.9	-14.0	4	10	-2303.9	-220.3	28.2	-462.6	-39.0
12TH	149.51	-67.5	-19.2	2580	1485	-26.2	-12.9	4	10	-2236.4	-201.1	25.7	-434.6	-38.4
13TH	161.84	-68.2	-17.6	2580	1485	-26.4	-11.8	4	11	-2168.1	-183.5	23.3	-407.5	-37.7
14TH	174.17	-69.0	-15.9	2580	1485	-26.7	-10.7	4	12	-2099.2	-167.5	21.1	-381.2	-37.0
15TH	186.50	-69.7	-14.3	2580	1485	-27.0	-9.6	4	13	-2029.5	-153.2	19.1	-355.7	-36.2
16TH	198.83	-69.8	-13.0	2580	1485	-27.1	-8.8	4	14	-1959.7	-140.2	17.3	-331.1	-35.4
17TH	211.16	-69.8	-12.1	2580	1485	-27.1	-8.2	4	15	-1889.9	-128.1	15.7	-307.4	-34.5
18TH	223.49	-69.9	-11.2	2580	1485	-27.1	-7.5	4	16	-1820.0	-116.9	14.2	-284.5	-33.5
19TH	235.82	-69.9	-10.3	2580	1485	-27.1	-6.9	3	17	-1750.1	-106.6	12.8	-262.5	-32.5
20TH	248.15	-69.9	-9.4	2580	1485	-27.1	-6.3	3	18	-1680.1	-97.2	11.5	-241.4	-31.5
21ST	260.48	-70.0	-8.5	2580	1485	-27.1	-5.7	3	20	-1610.1	-88.7	10.4	-221.1	-30.3
22ND	272.81	-70.1	-7.6	2580	1485	-27.2	-5.1	3	21	-1540.1	-81.1	9.3	-201.7	-29.1
23RD	285.14	-70.5	-7.0	2580	1485	-27.3	-4.7	3	21	-1469.6	-74.1	8.4	-183.1	-27.9
24TH	297.47	-70.9	-6.5	2580	1485	-27.5	-4.4	3	21	-1398.7	-67.6	7.5	-165.4	-26.6
25TH	309.80	-71.3	-6.0	2580	1485	-27.6	-4.0	2	22	-1327.4	-61.6	6.7	-148.6	-25.4
		-71.7	-5.4	2580	1485	-27.8	-3.7	2	22					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 0 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
26TH	322.13	-72.1	-4.9	2580	1485	-27.9	-3.3	2	23	-1255.7	-56.2	6.0	-132.7	-24.0
27TH	334.46	-72.5	-4.4	2580	1485	-28.1	-2.9	2	23	-1183.6	-51.3	5.3	-117.7	-22.7
28TH	346.79	-72.8	-3.9	2580	1485	-28.2	-2.6	2	23	-1111.1	-46.9	4.7	-103.5	-21.3
29TH	359.12	-73.0	-3.5	2580	1485	-28.3	-2.4	2	23	-1038.3	-43.0	4.2	-90.3	-19.9
30TH	371.45	-73.2	-3.1	2580	1485	-28.4	-2.1	1	23	-965.3	-39.5	3.7	-77.9	-18.5
31ST	383.78	-73.5	-2.7	2580	1485	-28.5	-1.8	1	24	-892.1	-36.4	3.2	-66.5	-17.1
32ND	396.11	-73.7	-2.3	2580	1485	-28.6	-1.6	1	24	-818.6	-33.7	2.8	-55.9	-15.7
33RD	408.44	-74.0	-1.9	2580	1485	-28.7	-1.3	1	24	-744.9	-31.4	2.4	-46.3	-14.3
34TH	420.77	-74.1	-1.6	2580	1485	-28.7	-1.1	1	24	-670.9	-29.4	2.0	-37.5	-12.8
35TH	433.10	-74.2	-2.0	2580	1485	-28.8	-1.4	1	24	-596.8	-27.8	1.6	-29.7	-11.4
36TH	445.43	-74.4	-2.4	2580	1485	-28.8	-1.6	1	23	-522.6	-25.8	1.3	-22.8	-10.0
37TH	457.76	-74.5	-2.8	2580	1485	-28.9	-1.9	1	23	-448.2	-23.4	1.0	-16.8	-8.5
38TH	470.09	-74.7	-3.2	2580	1485	-28.9	-2.1	1	23	-373.6	-20.6	.7	-11.8	-7.1
39TH	482.42	-74.8	-3.5	2580	1485	-29.0	-2.4	1	23	-299.0	-17.4	.5	-7.6	-5.7
40TH	494.75	-75.0	-3.9	2580	1485	-29.1	-2.6	2	22	-224.1	-13.9	.3	-4.4	-4.3
41ST	507.08	-67.9	-4.1	2580	1485	-26.3	-2.8	2	23	-149.1	-9.9	.1	-2.1	-2.9
42ND	519.41	-81.2	-5.8	3555	2046	-22.8	-2.8	2	25	-81.2	-5.8	.0	-.7	-1.7
TOP	536.41									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 10 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (")		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
GRND	0.00	-49.7	-39.9	3984	2655	-12.5	-15.0	24	22	-2521.0	-131.5	-35.8	-750.9	-79.1
2ND	18.19	-34.1	-31.3	3066	2043	-11.1	-15.3	27	22	-2471.2	-91.6	-37.9	-705.5	-77.6
3RD	32.19	-33.9	-34.7	3395	2262	-10.0	-15.3	32	23	-2437.1	-60.3	-38.9	-671.1	-76.5
4TH	47.69	-27.8	-28.3	2847	1897	-9.8	-14.9	36	26	-2403.2	-25.6	-39.6	-633.6	-75.2
5TH	60.69	-27.6	-26.4	2847	1897	-9.7	-13.9	40	31	-2375.4	2.7	-39.7	-602.5	-74.0
6TH	73.69	-27.2	-24.4	2847	1897	-9.6	-12.8	45	37	-2347.8	29.1	-39.5	-571.8	-72.6
7TH	86.69	-28.5	-23.1	2955	1965	-9.6	-11.7	48	44	-2320.6	53.4	-39.0	-541.5	-71.1
8TH	100.19	-60.1	-14.2	2580	1485	-23.3	-9.6	6	20	-2292.1	76.5	-38.1	-510.4	-69.4
9TH	112.52	-60.3	-12.0	2580	1485	-23.4	-8.1	6	22	-2232.0	90.7	-37.1	-482.5	-68.4
10TH	124.85	-60.6	-9.9	2580	1485	-23.5	-6.7	5	24	-2171.8	102.7	-35.9	-455.3	-67.3
11TH	137.18	-60.9	-8.1	2580	1485	-23.6	-5.4	5	25	-2111.2	112.6	-34.6	-428.9	-66.0
12TH	149.51	-61.2	-6.2	2580	1485	-23.7	-4.2	4	27	-2050.3	120.7	-33.1	-403.3	-64.7
13TH	161.84	-61.6	-4.3	2580	1485	-23.9	-2.9	3	28	-1989.1	126.9	-31.6	-378.4	-63.4
14TH	174.17	-61.9	-2.4	2580	1485	-24.0	-1.6	2	30	-1927.5	131.2	-30.0	-354.2	-61.9
15TH	186.50	-62.1	-1.1	2580	1485	-24.1	-.7	1	31	-1865.6	133.6	-28.4	-330.8	-60.4
16TH	198.83	-62.3	-.3	2580	1485	-24.2	-.2	0	32	-1803.6	134.7	-26.7	-308.2	-58.9
17TH	211.16	-62.6	.4	2580	1485	-24.3	.3	-0	34	-1741.2	135.1	-25.1	-286.3	-57.2
18TH	223.49	-62.9	1.2	2580	1485	-24.4	.8	-1	35	-1678.6	134.7	-23.4	-265.3	-55.5
19TH	235.82	-63.2	1.9	2580	1485	-24.5	1.3	-1	36	-1615.7	133.5	-21.7	-245.0	-53.7
20TH	248.15	-63.4	2.7	2580	1485	-24.6	1.8	-2	38	-1552.5	131.6	-20.1	-225.4	-51.8
21ST	260.48	-63.7	3.5	2580	1485	-24.7	2.3	-3	39	-1489.1	128.9	-18.5	-206.7	-49.8
22ND	272.81	-63.9	3.9	2580	1485	-24.8	2.6	-3	39	-1425.4	125.4	-16.9	-188.7	-47.8
23RD	285.14	-64.2	4.3	2580	1485	-24.9	2.9	-4	40	-1361.5	121.5	-15.4	-171.5	-45.7
24TH	297.47	-64.4	4.8	2580	1485	-25.0	3.2	-4	40	-1297.3	117.2	-13.9	-155.1	-43.6
25TH	309.80	-64.7	5.2	2580	1485	-25.1	3.5	-4	41	-1232.8	112.4	-12.5	-139.5	-41.5

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 10 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
26TH	322.13	-64.9	5.6	2580	1485	-25.2	3.8	-5	41	-1168.2	107.2	-11.2	-124.7	-39.3
27TH	334.46	-65.2	6.1	2580	1485	-25.3	4.1	-5	42	-1103.2	101.6	-9.9	-110.7	-37.1
28TH	346.79	-65.7	6.3	2580	1485	-25.5	4.3	-5	42	-1038.1	95.5	-8.7	-97.5	-34.8
29TH	359.12	-66.4	6.4	2580	1485	-25.7	4.3	-5	42	-972.3	89.2	-7.5	-85.1	-32.5
30TH	371.45	-67.0	6.5	2580	1485	-26.0	4.4	-5	42	-906.0	82.7	-6.5	-73.6	-30.2
31ST	383.78	-67.7	6.6	2580	1485	-26.2	4.4	-5	42	-838.9	76.2	-5.5	-62.8	-27.9
32ND	396.11	-68.3	6.7	2580	1485	-26.5	4.5	-5	42	-771.3	69.6	-4.6	-52.9	-25.5
33RD	408.44	-69.0	6.8	2580	1485	-26.7	4.6	-6	42	-702.9	63.0	-3.8	-43.8	-23.2
34TH	420.77	-69.5	6.8	2580	1485	-26.9	4.6	-5	42	-633.9	56.2	-3.0	-35.5	-20.8
35TH	433.10	-69.8	6.7	2580	1485	-27.1	4.5	-5	41	-564.5	49.4	-2.4	-28.2	-18.4
36TH	445.43	-70.1	6.5	2580	1485	-27.2	4.4	-5	40	-494.7	42.7	-1.8	-21.6	-16.0
37TH	457.76	-70.4	6.4	2580	1485	-27.3	4.3	-5	40	-424.6	36.2	-1.3	-16.0	-13.7
38TH	470.09	-70.8	6.2	2580	1485	-27.4	4.2	-5	39	-354.1	29.8	-.9	-11.2	-11.4
39TH	482.42	-71.1	6.1	2580	1485	-27.6	4.1	-4	38	-283.4	23.6	-.6	-7.2	-9.1
40TH	494.75	-71.4	5.9	2580	1485	-27.7	4.0	-4	38	-212.3	17.5	-.3	-4.2	-6.8
41ST	507.08	-64.4	5.4	2580	1485	-24.9	3.6	-4	39	-140.9	11.6	-.2	-2.0	-4.6
42ND	519.41	-76.5	6.2	3555	2046	-21.5	3.0	-4	40	-76.5	6.2	-.1	-.7	-2.5
TOP	536.41									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 20 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
GRND	0.00	-37.2	-18.3	3984	2635	-9.3	-6.9	25	37	-2433.5	-244.1	57.0	-754.4	-101.7
2ND	18.19	-23.9	-13.6	3066	2043	-7.8	-6.6	35	45	-2396.3	-225.8	52.7	-710.5	-100.3
3RD	32.19	-21.9	-14.3	3395	2262	-6.5	-6.3	50	57	-2372.4	-212.2	49.6	-677.1	-99.1
4TH	47.69	-17.7	-11.2	2847	1897	-6.2	-5.9	59	69	-2350.5	-197.9	46.4	-640.5	-97.7
5TH	60.69	-17.8	-10.2	2847	1897	-6.2	-5.4	64	83	-2332.8	-186.7	43.9	-610.1	-96.3
6TH	73.69	-17.8	-9.1	2847	1897	-6.3	-4.8	68	100	-2315.0	-176.5	41.6	-579.8	-94.7
7TH	86.69	-19.1	-8.2	2955	1965	-6.5	-4.2	67	116	-2297.2	-167.4	39.4	-549.9	-92.8
8TH	100.19	-50.5	-4.1	2580	1485	-19.6	-2.8	4	36	-2278.1	-159.2	37.1	-519.0	-90.7
9TH	112.52	-51.8	-3.9	2580	1485	-20.1	-2.6	4	38	-2227.5	-155.1	35.2	-491.2	-89.2
10TH	124.85	-53.0	-3.7	2580	1485	-20.6	-2.5	4	40	-2175.7	-151.2	33.3	-464.1	-87.6
11TH	137.18	-54.3	-3.5	2580	1485	-21.1	-2.4	4	41	-2122.7	-147.5	31.5	-437.6	-85.8
12TH	149.51	-55.6	-3.4	2580	1485	-21.6	-2.3	3	42	-2068.4	-144.0	29.7	-411.7	-84.0
13TH	161.84	-56.9	-3.2	2580	1485	-22.0	-2.1	3	43	-2012.8	-140.7	27.9	-386.6	-82.1
14TH	174.17	-58.1	-3.0	2580	1485	-22.5	-2.0	3	44	-1955.9	-137.5	26.2	-362.1	-80.1
15TH	186.50	-59.1	-3.1	2580	1485	-22.9	-2.1	3	45	-1897.8	-134.5	24.5	-338.3	-78.0
16TH	198.83	-60.0	-3.4	2580	1485	-23.2	-2.3	4	46	-1838.7	-131.4	22.9	-315.3	-75.7
17TH	211.16	-60.8	-3.7	2580	1485	-23.6	-2.5	4	47	-1778.7	-128.0	21.3	-293.0	-73.5
18TH	223.49	-61.7	-4.0	2580	1485	-23.9	-2.7	4	48	-1717.9	-124.3	19.7	-271.4	-71.1
19TH	235.82	-62.6	-4.3	2580	1485	-24.3	-2.9	4	49	-1656.2	-120.3	18.2	-250.6	-68.7
20TH	248.15	-63.5	-4.6	2580	1485	-24.6	-3.1	5	49	-1593.6	-116.0	16.8	-230.6	-66.2
21ST	260.48	-64.3	-4.9	2580	1485	-24.9	-3.3	5	50	-1530.2	-111.3	15.4	-211.3	-63.6
22ND	272.81	-65.0	-4.9	2580	1485	-25.2	-3.3	5	50	-1465.9	-106.4	14.0	-192.9	-60.9
23RD	285.14	-65.6	-4.9	2580	1485	-25.4	-3.3	5	50	-1400.9	-101.5	12.8	-175.2	-58.2
24TH	297.47	-66.3	-4.9	2580	1485	-25.7	-3.3	5	50	-1335.3	-96.6	11.5	-158.3	-55.5
25TH	309.80	-67.0	-4.9	2580	1485	-26.0	-3.3	5	51	-1268.9	-91.7	10.4	-142.3	-52.8

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 20 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
26TH	322.13	-67.7	-4.9	2580	1485	-26.2	-3.3	5	51	-1202.0	-86.8	9.3	-127.0	-50.0
27TH	334.46	-68.3	-4.9	2580	1485	-26.5	-3.3	5	51	-1134.3	-81.9	8.2	-112.6	-47.1
28TH	346.79	-69.0	-4.9	2580	1485	-26.7	-3.3	5	51	-1066.0	-77.0	7.2	-99.1	-44.3
29TH	359.12	-69.6	-4.9	2580	1485	-27.0	-3.3	5	50	-997.0	-72.1	6.3	-86.4	-41.4
30TH	371.45	-70.2	-4.9	2580	1485	-27.2	-3.3	5	50	-927.4	-67.2	5.5	-74.5	-38.5
31ST	383.78	-70.8	-4.9	2580	1485	-27.4	-3.3	5	50	-857.3	-62.3	4.7	-63.5	-35.6
32ND	396.11	-71.4	-4.9	2580	1485	-27.7	-3.3	5	50	-786.4	-57.4	3.9	-53.4	-32.7
33RD	408.44	-72.0	-4.9	2580	1485	-27.9	-3.3	5	50	-715.0	-52.4	3.3	-44.1	-29.8
34TH	420.77	-72.3	-5.0	2580	1485	-28.0	-3.3	5	49	-643.0	-47.5	2.6	-35.7	-26.8
35TH	433.10	-72.1	-5.1	2580	1485	-28.0	-3.4	5	49	-570.7	-42.5	2.1	-28.3	-23.9
36TH	445.43	-72.0	-5.3	2580	1485	-27.9	-3.5	5	50	-498.5	-37.4	1.6	-21.7	-20.9
37TH	457.76	-71.8	-5.4	2580	1485	-27.8	-3.6	5	50	-426.6	-32.1	1.2	-16.0	-18.0
38TH	470.09	-71.6	-5.6	2580	1485	-27.8	-3.7	5	50	-354.8	-26.7	.8	-11.1	-15.1
39TH	482.42	-71.4	-5.7	2580	1485	-27.7	-3.8	5	50	-283.2	-21.2	.5	-7.2	-12.1
40TH	494.75	-71.3	-5.9	2580	1485	-27.6	-3.9	6	50	-211.7	-15.5	.3	-4.2	-9.2
41ST	507.08	-64.3	-5.1	2580	1485	-24.9	-3.4	5	52	-140.5	-9.6	.1	-2.0	-6.2
42ND	519.41	-76.2	-4.5	3555	2046	-21.4	-2.2	4	55	-76.2	-4.5	.0	-.6	-3.5
TOP	536.41									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 30 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
GRND	0.00	-21.6	16.6	3984	2655	-5.4	6.3	-64	62	-2197.5	68.5	21.4	-696.4	-107.4
2ND	18.19	-12.5	13.1	3066	2043	-4.1	6.4	-99	71	-2175.8	51.9	22.5	-656.6	-105.7
3RD	32.19	-9.8	15.7	3395	2262	-2.9	6.9	-147	68	-2163.3	38.8	23.1	-626.2	-104.1
4TH	47.69	-7.7	13.9	2847	1897	-2.7	7.3	-172	71	-2153.5	23.2	23.6	-592.8	-102.2
5TH	60.69	-8.1	14.1	2847	1897	-2.9	7.4	-189	81	-2145.8	9.3	23.8	-564.8	-100.3
6TH	73.69	-8.6	14.3	2847	1897	-3.0	7.5	-205	92	-2137.7	-4.8	23.8	-537.0	-98.1
7TH	86.69	-9.9	15.1	2955	1965	-3.4	7.7	-212	104	-2129.1	-19.1	23.7	-509.2	-95.7
8TH	100.19	-44.0	12.4	2580	1485	-17.0	8.4	-17	46	-2119.2	-34.2	23.3	-480.6	-92.9
9TH	112.52	-45.9	11.1	2580	1485	-17.8	7.5	-15	47	-2075.2	-46.6	22.8	-454.7	-91.1
10TH	124.85	-47.8	9.7	2580	1485	-18.5	6.5	-13	48	-2029.3	-57.7	22.2	-429.4	-89.2
11TH	137.18	-49.8	8.3	2580	1485	-19.3	5.6	-11	48	-1981.5	-67.4	21.4	-404.7	-87.3
12TH	149.51	-51.8	6.9	2580	1485	-20.1	4.6	-9	48	-1931.7	-75.7	20.5	-380.5	-85.3
13TH	161.84	-53.7	5.4	2580	1485	-20.8	3.7	-7	48	-1879.9	-82.6	19.5	-357.1	-83.2
14TH	174.17	-55.7	4.0	2580	1485	-21.6	2.7	-5	48	-1826.2	-88.0	18.5	-334.2	-81.1
15TH	186.50	-56.8	2.7	2580	1485	-22.0	1.8	-3	49	-1770.5	-92.0	17.4	-312.0	-78.8
16TH	198.83	-57.6	1.7	2580	1485	-22.3	1.1	-2	50	-1713.7	-94.8	16.2	-290.6	-76.5
17TH	211.16	-58.4	.6	2580	1485	-22.6	.4	-1	50	-1656.1	-96.4	15.0	-269.8	-74.2
18TH	223.49	-59.2	-.5	2580	1485	-22.9	-.3	1	51	-1597.7	-97.0	13.8	-249.7	-71.8
19TH	235.82	-60.0	-1.6	2580	1485	-23.2	-1.1	2	51	-1538.5	-96.5	12.6	-230.4	-69.3
20TH	248.15	-60.8	-2.7	2580	1485	-23.6	-1.8	3	52	-1478.5	-94.9	11.5	-211.8	-66.8
21ST	260.48	-61.5	-3.7	2580	1485	-23.8	-2.5	4	52	-1417.8	-92.2	10.3	-193.9	-64.2
22ND	272.81	-61.8	-4.1	2580	1485	-24.0	-2.7	5	53	-1356.3	-88.5	9.2	-176.8	-61.5
23RD	285.14	-62.2	-4.4	2580	1485	-24.1	-3.0	5	53	-1294.4	-84.4	8.1	-160.5	-58.9
24TH	297.47	-62.5	-4.8	2580	1485	-24.2	-3.2	5	53	-1232.3	-80.0	7.1	-144.9	-56.1
25TH	309.80	-62.8	-5.1	2580	1485	-24.3	-3.5	6	54	-1169.8	-75.2	6.2	-130.1	-53.4

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 30 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
26TH	322.13	-63.1	-5.5	2580	1485	-24.5	-3.7	6	54	-1107.0	-70.1	5.3	-116.1	-50.6
27TH	334.46	-63.5	-5.8	2580	1485	-24.6	-3.9	7	54	-1043.9	-64.6	4.4	-102.8	-47.8
28TH	346.79	-64.1	-6.0	2580	1485	-24.8	-4.0	7	54	-980.4	-58.8	3.7	-90.3	-44.9
29TH	359.12	-64.6	-5.9	2580	1485	-25.1	-4.0	7	54	-916.3	-52.8	3.0	-78.6	-42.0
30TH	371.45	-65.2	-5.9	2580	1485	-25.3	-4.0	7	54	-851.7	-46.9	2.4	-67.7	-39.1
31ST	383.78	-65.8	-5.8	2580	1485	-25.5	-3.9	6	54	-786.5	-41.0	1.8	-57.6	-36.2
32ND	396.11	-66.4	-5.8	2580	1485	-25.7	-3.9	6	54	-720.6	-35.2	1.4	-48.3	-33.2
33RD	408.44	-67.0	-5.7	2580	1485	-26.0	-3.9	6	54	-654.2	-29.4	1.0	-39.9	-30.3
34TH	420.77	-67.3	-5.6	2580	1485	-26.1	-3.8	6	54	-587.2	-23.6	.6	-32.2	-27.3
35TH	433.10	-67.0	-5.0	2580	1485	-26.0	-3.4	5	55	-520.0	-18.0	.4	-25.4	-24.3
36TH	445.43	-66.7	-4.4	2580	1485	-25.9	-2.9	5	55	-452.9	-13.0	.2	-19.4	-21.2
37TH	457.76	-66.5	-3.7	2580	1485	-25.8	-2.5	4	55	-386.2	-8.6	.1	-14.2	-18.2
38TH	470.09	-66.2	-3.1	2580	1485	-25.7	-2.1	3	56	-319.7	-4.9	-.0	-9.9	-15.2
39TH	482.42	-65.9	-2.5	2580	1485	-25.6	-1.7	3	56	-253.5	-1.8	-.1	-6.3	-12.2
40TH	494.75	-65.7	-1.8	2580	1485	-25.5	-1.2	2	56	-187.6	.6	-.1	-3.6	-9.2
41ST	507.08	-57.4	-.4	2580	1485	-22.3	-.2	1	59	-121.9	2.5	-.1	-1.7	-6.1
42ND	519.41	-64.5	2.8	2580	1485	-22.3	-.2	1	59	-64.5	2.8	-.0	-.5	-3.3
TOP	536.41			3535	2046	-18.1	1.4	-4	63	0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 40° CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
GRND	0.00	- .9	44.4	3984	2655	- .2	16.7	-78	1	-1725.7	848.1	-187.7	-571.3	-75.7
2ND	18.19	3.0	35.5	3066	2043	1.0	17.4	-83	-5	-1724.9	803.6	-172.7	-540.0	-73.6
3RD	32.19	6.6	40.5	3395	2262	2.0	17.9	-86	-11	-1727.9	768.2	-161.7	-515.8	-71.8
4TH	47.69	5.7	34.4	2847	1897	2.0	18.1	-94	-12	-1734.5	727.6	-150.1	-489.0	-69.6
5TH	60.69	4.9	33.9	2847	1897	1.7	17.9	-101	-11	-1740.2	693.3	-140.9	-466.4	-67.6
6TH	73.69	4.1	33.4	2847	1897	1.4	17.6	-109	-10	-1745.1	659.3	-132.1	-443.7	-65.4
7TH	86.69	2.9	34.1	2955	1965	1.0	17.4	-117	-7	-1749.2	625.9	-123.7	-421.0	-63.2
8TH	100.19	-34.4	27.1	2580	1485	-13.3	18.2	-24	23	-1752.1	591.8	-115.5	-397.4	-60.7
9TH	112.52	-36.3	25.9	2580	1485	-14.1	17.4	-23	24	-1717.7	564.7	-108.4	-376.0	-59.6
10TH	124.85	-38.3	24.6	2580	1485	-14.9	16.6	-22	26	-1681.4	538.8	-101.6	-355.0	-58.5
11TH	137.18	-40.3	23.4	2580	1485	-15.6	15.7	-21	27	-1643.0	514.2	-95.1	-334.5	-57.4
12TH	149.51	-42.3	22.1	2580	1485	-16.4	14.9	-20	28	-1602.7	490.8	-88.9	-314.5	-56.2
13TH	161.84	-44.4	20.8	2580	1485	-17.2	14.0	-18	29	-1560.4	468.7	-83.0	-295.0	-55.0
14TH	174.17	-46.4	19.6	2580	1485	-18.0	13.2	-17	29	-1516.0	447.9	-77.3	-276.0	-53.7
15TH	186.50	-47.5	18.7	2580	1485	-18.4	12.6	-16	31	-1469.6	428.3	-71.9	-257.6	-52.4
16TH	198.83	-48.2	18.1	2580	1485	-18.7	12.2	-16	32	-1422.2	409.6	-66.8	-239.8	-51.0
17TH	211.16	-48.9	17.6	2580	1485	-19.0	11.8	-16	33	-1374.0	391.5	-61.8	-222.6	-49.6
18TH	223.49	-49.7	17.0	2580	1485	-19.2	11.5	-16	34	-1325.1	374.0	-57.1	-205.9	-48.1
19TH	235.82	-50.4	16.5	2580	1485	-19.5	11.1	-15	35	-1275.4	356.9	-52.6	-189.9	-46.5
20TH	248.15	-51.1	15.9	2580	1485	-19.8	10.7	-15	36	-1225.0	340.5	-48.3	-174.5	-44.9
21ST	260.48	-51.7	15.4	2580	1485	-20.1	10.4	-15	37	-1173.9	324.6	-44.2	-159.7	-43.2
22ND	272.81	-51.9	15.2	2580	1485	-20.1	10.2	-15	38	-1122.2	309.2	-40.3	-145.5	-41.5
23RD	285.14	-52.1	15.0	2580	1485	-20.2	10.1	-15	39	-1070.2	294.0	-36.6	-132.0	-39.7
24TH	297.47	-52.3	14.8	2580	1485	-20.3	10.0	-15	39	-1018.1	279.0	-33.0	-119.1	-37.9
25TH	309.80	-52.5	14.6	2580	1485	-20.4	9.9	-15	40	-965.8	264.2	-29.7	-106.9	-36.1

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 40° CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (X)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
26TH	322.13	-52.8	14.5	2580	1485	-20.4	9.7	-15	41	-913.2	249.5	-26.5	-95.3	-34.3
27TH	334.46	-53.0	14.3	2580	1485	-20.5	9.6	-15	41	-860.5	235.1	-23.5	-84.4	-32.4
28TH	346.79	-53.4	14.2	2580	1485	-20.7	9.6	-15	42	-807.5	220.8	-20.7	-74.1	-30.4
29TH	359.12	-53.8	14.3	2580	1485	-20.9	9.6	-15	42	-754.1	206.6	-18.1	-64.5	-28.5
30TH	371.45	-54.2	14.3	2580	1485	-21.0	9.6	-15	42	-700.3	192.3	-15.6	-55.5	-26.5
31ST	383.78	-54.6	14.3	2580	1485	-21.2	9.7	-15	43	-646.1	178.0	-13.4	-47.2	-24.5
32ND	396.11	-55.1	14.4	2580	1485	-21.3	9.7	-15	43	-591.5	163.7	-11.2	-39.6	-22.4
33RD	408.44	-55.5	14.4	2580	1485	-21.5	9.7	-15	43	-536.4	149.3	-9.3	-32.6	-20.4
34TH	420.77	-55.6	14.5	2580	1485	-21.5	9.8	-15	43	-480.9	134.8	-7.6	-26.4	-18.3
35TH	433.10	-55.2	14.7	2580	1485	-21.4	9.9	-15	43	-425.3	120.3	-6.0	-20.8	-16.2
36TH	445.43	-54.7	14.9	2580	1485	-21.2	10.0	-16	43	-370.1	105.7	-4.6	-15.9	-14.1
37TH	457.76	-54.3	15.0	2580	1485	-21.1	10.1	-16	42	-315.4	90.8	-3.4	-11.6	-12.0
38TH	470.09	-53.9	15.2	2580	1485	-20.9	10.2	-16	42	-261.1	75.8	-2.4	-8.1	-10.0
39TH	482.42	-53.5	15.4	2580	1485	-20.7	10.4	-16	42	-207.2	60.6	-1.5	-5.2	-8.0
40TH	494.75	-53.0	15.6	2580	1485	-20.6	10.5	-16	41	-153.8	45.2	-.9	-3.0	-6.0
41ST	507.08	-46.7	14.2	2580	1485	-18.1	9.5	-17	43	-100.7	29.6	-.4	-1.4	-4.0
42ND	519.41	-54.0	15.4	3555	2046	-15.2	7.5	-18	47	-54.0	15.4	-.1	-.5	-2.3
TOP	536.41									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 50 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
GRND	0.00	20.7	62.8	3984	2655	5.2	23.6	-52	-13	-1204.0	1413.0	-345.7	-429.1	-31.2
2ND	18.19	18.3	48.9	3066	2043	6.0	23.9	-52	-15	-1224.7	1350.2	-320.6	-407.1	-29.0
3RD	32.19	22.6	54.5	3395	2262	6.6	24.1	-52	-16	-1243.1	1301.4	-302.0	-389.8	-27.2
4TH	47.69	18.7	45.8	2847	1897	6.6	24.1	-54	-17	-1265.6	1246.8	-282.3	-370.3	-25.2
5TH	60.69	17.7	45.1	2847	1897	6.2	23.8	-56	-17	-1284.4	1201.0	-266.3	-353.8	-23.4
6TH	73.69	16.7	44.3	2847	1897	5.9	23.3	-58	-16	-1302.1	1156.0	-251.0	-337.0	-21.6
7TH	86.69	15.6	45.0	2955	1965	5.3	22.9	-60	-16	-1318.8	1111.7	-236.3	-319.9	-19.8
8TH	100.19	-25.8	35.9	2580	1485	-10.0	24.2	-8	4	-1334.4	1066.6	-221.6	-302.0	-18.0
9TH	112.52	-27.4	35.4	2580	1485	-10.6	23.8	-8	5	-1308.6	1030.7	-208.7	-285.7	-17.7
10TH	124.85	-29.0	34.8	2580	1485	-11.2	23.4	-8	5	-1281.3	995.4	-196.2	-269.7	-17.4
11TH	137.18	-30.6	34.2	2580	1485	-11.9	23.1	-8	5	-1252.3	960.6	-184.1	-254.1	-17.1
12TH	149.51	-32.2	33.7	2580	1485	-12.5	22.7	-7	5	-1221.7	926.3	-172.5	-238.9	-16.8
13TH	161.84	-33.9	33.1	2580	1485	-13.1	22.3	-7	5	-1189.5	892.7	-161.3	-224.0	-16.6
14TH	174.17	-35.5	32.5	2580	1485	-13.8	21.9	-7	6	-1155.6	859.6	-150.5	-209.6	-16.3
15TH	186.50	-36.4	32.0	2580	1485	-14.1	21.6	-7	6	-1120.1	827.1	-140.1	-195.5	-16.0
16TH	198.83	-37.1	31.6	2580	1485	-14.4	21.3	-7	6	-1083.7	795.1	-130.1	-181.9	-15.6
17TH	211.16	-37.7	31.2	2580	1485	-14.6	21.0	-8	7	-1046.7	763.5	-120.4	-168.8	-15.3
18TH	223.49	-38.4	30.8	2580	1485	-14.9	20.8	-8	8	-1009.0	732.2	-111.2	-156.1	-14.9
19TH	235.82	-39.1	30.4	2580	1485	-15.1	20.5	-8	8	-970.6	701.4	-102.4	-143.9	-14.6
20TH	248.15	-39.7	30.0	2580	1485	-15.4	20.2	-9	9	-931.5	671.0	-93.9	-132.2	-14.1
21ST	260.48	-40.2	29.6	2580	1485	-15.6	20.0	-9	9	-891.8	641.0	-85.8	-121.0	-13.7
22ND	272.81	-40.2	29.6	2580	1485	-15.6	19.9	-9	9	-851.6	611.3	-78.1	-110.2	-13.2
23RD	285.14	-40.2	29.5	2580	1485	-15.6	19.9	-10	10	-811.3	581.7	-70.8	-100.0	-12.8
24TH	297.47	-40.2	29.5	2580	1485	-15.6	19.9	-10	10	-771.1	552.2	-63.8	-90.2	-12.3
25TH	309.80	-40.2	29.4	2580	1485	-15.6	19.8	-10	11	-730.9	522.7	-57.1	-80.9	-11.8

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 50 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
26TH	322.13									-690.6	493.3	-50.9	-72.2	-11.2
27TH	334.46	-40.2	29.4	2580	1485	-15.6	19.8	-11	11	-650.4	463.9	-45.0	-63.9	-10.7
28TH	346.79	-40.2	29.3	2580	1485	-15.6	19.8	-11	11	-610.1	434.5	-39.4	-56.1	-10.1
29TH	359.12	-40.4	29.4	2580	1485	-15.7	19.8	-11	12	-569.7	405.2	-34.3	-48.9	-9.5
30TH	371.45	-40.7	29.5	2580	1485	-15.8	19.9	-12	12	-529.1	375.7	-29.5	-42.1	-8.9
31ST	383.78	-40.9	29.6	2580	1485	-15.8	19.9	-12	12	-488.2	346.1	-25.0	-35.8	-8.3
32ND	396.11	-41.1	29.7	2580	1485	-15.9	20.0	-12	13	-447.1	316.3	-20.9	-30.1	-7.6
33RD	408.44	-41.3	29.8	2580	1485	-16.0	20.1	-13	13	-405.8	286.5	-17.2	-24.8	-6.9
34TH	420.77	-41.5	30.0	2580	1485	-16.1	20.2	-13	13	-364.3	256.5	-13.9	-20.0	-6.2
35TH	433.10	-41.5	30.1	2580	1485	-16.1	20.2	-13	13	-322.7	226.5	-10.9	-15.8	-5.5
36TH	445.43	-41.4	29.8	2580	1485	-16.0	20.1	-13	13	-281.3	196.6	-8.3	-12.1	-4.9
37TH	457.76	-41.2	29.6	2580	1485	-16.0	20.0	-13	14	-240.1	167.0	-6.0	-8.9	-4.2
38TH	470.09	-41.1	29.4	2580	1485	-15.9	19.8	-13	14	-199.0	137.5	-4.2	-6.2	-3.5
39TH	482.42	-41.0	29.2	2580	1485	-15.9	19.7	-13	14	-158.0	108.3	-2.6	-4.0	-2.8
40TH	494.75	-40.8	29.0	2580	1485	-15.8	19.5	-13	14	-117.2	79.3	-1.5	-2.3	-2.1
41ST	507.08	-40.7	28.8	2580	1485	-15.8	19.4	-13	14	-76.6	50.5	-.7	-1.1	-1.4
42ND	519.41	-35.5	25.3	2580	1485	-13.7	17.0	-13	13	-41.1	25.2	-.2	-.3	-.8
TOP	536.41	-41.1	25.2	3555	2046	-11.6	12.3	-14	17	0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 60 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
GRND	0.00									-639.7	1690.3	-443.4	-255.1	16.3
2ND	18.19	32.6	64.9	3984	2655	8.2	24.5	-37	-14	-672.3	1625.3	-413.2	-243.2	18.2
3RD	32.19	26.6	49.3	3066	2043	8.7	24.1	-36	-14	-698.9	1576.1	-390.8	-233.6	19.6
4TH	47.69	30.9	54.1	3395	2262	9.1	23.9	-35	-15	-729.8	1521.9	-366.8	-222.5	21.1
5TH	60.69	26.0	45.3	2847	1897	9.1	23.9	-34	-15	-755.7	1476.6	-347.3	-212.9	22.3
6TH	73.69	25.8	45.2	2847	1897	9.0	23.8	-33	-14	-781.5	1431.5	-328.4	-202.9	23.5
7TH	86.69	25.5	45.0	2847	1897	9.0	23.7	-32	-14	-807.0	1386.5	-310.1	-192.6	24.7
8TH	100.19	25.7	46.5	2955	1965	8.7	23.6	-31	-13	-832.7	1340.0	-291.7	-181.5	25.9
9TH	112.52	-17.2	36.9	2580	1485	-6.7	24.8	16	-6	-815.5	1303.1	-275.4	-171.3	25.4
10TH	124.85	-18.5	36.8	2580	1485	-7.2	24.8	17	-6	-797.0	1266.3	-259.5	-161.4	24.9
11TH	137.18	-19.7	36.9	2580	1485	-7.6	24.8	17	-7	-777.3	1229.4	-244.1	-151.7	24.4
12TH	149.51	-20.9	36.9	2580	1485	-8.1	24.9	18	-7	-756.5	1192.5	-229.2	-142.2	23.9
13TH	161.84	-22.1	37.0	2580	1485	-8.6	24.9	18	-8	-734.4	1155.5	-214.7	-133.0	23.4
14TH	174.17	-23.3	37.0	2580	1485	-9.0	24.9	18	-8	-711.1	1118.5	-200.7	-124.1	22.8
15TH	186.50	-24.5	37.0	2580	1485	-9.5	24.9	18	-9	-686.6	1081.5	-187.2	-115.5	22.2
16TH	198.83	-25.0	37.1	2580	1485	-9.7	25.0	19	-10	-661.6	1044.3	-174.1	-107.2	21.6
17TH	211.16	-25.2	37.3	2580	1485	-9.8	25.1	20	-10	-636.4	1007.0	-161.4	-99.2	20.9
18TH	223.49	-25.5	37.5	2580	1485	-9.9	25.2	21	-11	-610.8	969.6	-149.2	-91.5	20.2
19TH	235.82	-25.8	37.6	2580	1485	-10.0	25.3	22	-11	-585.1	931.9	-137.5	-84.1	19.5
20TH	248.15	-26.0	37.8	2580	1485	-10.1	25.4	23	-12	-559.1	894.2	-126.2	-77.1	18.7
21ST	260.48	-26.3	37.9	2580	1485	-10.2	25.5	24	-12	-532.8	856.2	-115.4	-70.3	17.9
22ND	272.81	-26.4	38.1	2580	1485	-10.2	25.7	25	-13	-506.4	818.1	-105.1	-63.9	17.0
23RD	285.14	-26.2	38.3	2580	1485	-10.1	25.8	25	-13	-480.3	779.8	-95.3	-57.8	16.2
24TH	297.47	-25.9	38.5	2580	1485	-10.1	25.9	25	-13	-454.3	741.4	-85.9	-52.1	15.3
25TH	309.80	-25.7	38.7	2580	1485	-10.0	26.0	25	-12	-428.6	702.7	-77.0	-46.6	14.5
		-25.5	38.9	2580	1485	-9.9	26.2	25	-12					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 60 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
26TH	322.13									-403.2	663.9	-68.6	-41.5	13.6
27TH	334.46	-25.2	39.0	2580	1485	-9.8	26.3	25	-12	-377.9	624.8	-60.6	-36.7	12.8
28TH	346.79	-25.0	39.2	2580	1485	-9.7	26.4	26	-12	-352.9	585.6	-53.2	-32.2	11.9
29TH	359.12	-24.8	39.4	2580	1485	-9.6	26.6	25	-12	-328.1	546.2	-46.2	-28.0	11.0
30TH	371.45	-24.6	39.6	2580	1485	-9.5	26.7	25	-12	-303.5	506.5	-39.7	-24.1	10.2
31ST	383.78	-24.4	39.8	2580	1485	-9.5	26.8	24	-11	-279.1	466.7	-33.7	-20.5	9.4
32ND	396.11	-24.2	40.0	2580	1485	-9.4	26.9	24	-11	-254.9	426.7	-28.2	-17.2	8.6
33RD	408.44	-24.0	40.2	2580	1485	-9.3	27.1	23	-10	-230.9	386.5	-23.2	-14.2	7.8
34TH	420.77	-23.8	40.4	2580	1485	-9.2	27.2	23	-10	-207.1	346.1	-18.7	-11.5	7.0
35TH	433.10	-23.6	40.6	2580	1485	-9.1	27.3	23	-10	-183.5	305.5	-14.6	-9.1	6.3
36TH	445.43	-23.4	40.3	2580	1485	-9.1	27.2	23	-10	-160.2	265.2	-11.1	-7.0	5.5
37TH	457.76	-23.2	40.1	2580	1485	-9.0	27.0	24	-10	-137.0	225.1	-8.1	-5.2	4.7
38TH	470.09	-23.0	39.8	2580	1485	-8.9	26.8	24	-10	-114.0	185.3	-5.6	-3.6	4.0
39TH	482.42	-22.8	39.6	2580	1485	-8.8	26.7	24	-10	-91.2	145.7	-3.5	-2.4	3.2
40TH	494.75	-22.6	39.3	2580	1485	-8.8	26.5	25	-11	-68.5	106.4	-2.0	-1.4	2.4
41ST	507.08	-22.4	39.1	2580	1485	-8.7	26.3	25	-11	-46.1	67.3	-.9	-.7	1.6
42ND	519.41	-20.2	34.1	2580	1485	-7.8	22.9	28	-12	-25.9	33.2	-.3	-.2	.8
TOP	536.41	-25.9	33.2	3555	2046	-7.3	16.2	25	-15	0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 70 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
GRND	0.00													
		32.7	51.5	3984	2655	8.2	19.4	-21	-10	-212.0	1705.0	-479.6	-106.6	51.1
2ND	18.19													
		26.7	38.8	3066	2043	8.7	19.0	-20	-10	-244.8	1653.5	-449.1	-102.5	52.0
3RD	32.19													
		30.8	42.3	3395	2262	9.1	18.7	-19	-10	-271.4	1614.8	-426.2	-98.8	52.7
4TH	47.69													
		26.5	35.9	2847	1897	9.3	18.9	-19	-10	-302.3	1572.4	-401.5	-94.4	53.5
5TH	60.69													
		27.1	36.8	2847	1897	9.5	19.4	-17	-9	-328.7	1536.6	-381.3	-90.3	54.1
6TH	73.69													
		27.7	37.6	2847	1897	9.7	19.8	-15	-8	-355.8	1499.8	-361.6	-85.8	54.7
7TH	86.69													
		28.8	39.9	2955	1965	9.7	20.3	-13	-7	-383.5	1462.2	-342.3	-81.0	55.2
8TH	100.19													
		-12.7	31.2	2580	1485	-4.9	21.0	43	-13	-412.2	1422.3	-322.8	-75.7	55.7
9TH	112.52													
		-13.4	32.0	2580	1485	-5.2	21.5	43	-14	-399.5	1391.1	-305.5	-70.7	54.8
10TH	124.85													
		-14.1	32.8	2580	1485	-5.5	22.1	44	-14	-386.0	1359.2	-288.5	-65.8	53.8
11TH	137.18													
		-14.9	33.6	2580	1485	-5.8	22.6	45	-15	-371.9	1326.4	-272.0	-61.2	52.7
12TH	149.51													
		-15.6	34.5	2580	1485	-6.0	23.2	46	-15	-357.0	1292.7	-255.8	-56.7	51.6
13TH	161.84													
		-16.3	35.3	2580	1485	-6.3	23.8	47	-16	-341.5	1258.3	-240.1	-52.4	50.5
14TH	174.17													
		-17.0	36.1	2580	1485	-6.6	24.3	48	-17	-325.2	1223.0	-224.8	-48.2	49.2
15TH	186.50													
		-16.9	36.8	2580	1485	-6.6	24.8	49	-17	-308.2	1186.9	-209.9	-44.3	47.9
16TH	198.83													
		-16.6	37.5	2580	1485	-6.4	25.2	51	-17	-291.3	1150.1	-195.5	-40.6	46.6
17TH	211.16													
		-16.3	38.1	2580	1485	-6.3	25.7	52	-17	-274.7	1112.6	-181.6	-37.2	45.2
18TH	223.49													
		-16.1	38.8	2580	1485	-6.2	26.1	54	-17	-258.3	1074.4	-168.1	-33.9	43.8
19TH	235.82													
		-15.8	39.4	2580	1485	-6.1	26.5	56	-17	-242.3	1035.7	-155.1	-30.8	42.3
20TH	248.15													
		-15.5	40.1	2580	1485	-6.0	27.0	57	-16	-226.5	996.3	-142.6	-27.9	40.8
21ST	260.48													
		-15.4	40.7	2580	1485	-5.8	27.4	59	-16	-211.0	956.2	-130.5	-25.2	39.1
22ND	272.81													
		-14.3	41.1	2580	1485	-5.5	27.7	59	-15	-196.0	915.5	-119.0	-22.7	37.5
23RD	285.14													
		-13.5	41.6	2580	1485	-5.2	28.0	60	-15	-181.7	874.4	-108.0	-20.4	35.8
24TH	297.47													
		-12.7	42.0	2580	1485	-4.9	28.3	61	-14	-168.2	832.8	-97.4	-18.2	34.1
25TH	309.80													
		-11.9	42.4	2580	1485	-4.6	28.6	61	-13	-155.5	790.8	-87.4	-16.2	32.4

TABLE 7. SHEAR AND MOMENT DIAGRAM : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 70° CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
26TH	322.13									-143.6	748.4	-77.9	-14.4	30.7
27TH	334.46	-11.2	42.8	2580	1485	-4.3	28.9	62	-12	-132.4	705.6	-69.0	-12.7	29.0
28TH	346.79	-10.4	43.3	2580	1485	-4.0	29.1	62	-11	-122.0	662.3	-60.5	-11.1	27.3
29TH	359.12	-9.9	43.7	2580	1485	-3.8	29.4	63	-11	-112.1	618.6	-52.6	-9.6	25.5
30TH	371.45	-9.5	44.1	2580	1485	-3.7	29.7	63	-10	-102.7	574.6	-45.3	-8.3	23.7
31ST	383.78	-9.0	44.5	2580	1485	-3.5	29.9	63	-10	-93.7	530.1	-38.5	-7.1	22.0
32ND	396.11	-8.6	44.9	2580	1485	-3.3	30.2	64	-9	-85.1	485.2	-32.2	-6.0	20.2
33RD	408.44	-8.1	45.2	2580	1485	-3.1	30.5	64	-9	-77.0	440.0	-26.5	-5.0	18.3
34TH	420.77	-7.7	45.6	2580	1485	-3.0	30.7	64	-8	-69.3	394.3	-21.4	-4.1	16.5
35TH	433.10	-7.3	46.0	2580	1485	-2.8	31.0	64	-8	-62.0	348.4	-16.8	-3.3	14.7
36TH	445.43	-7.2	45.7	2580	1485	-2.8	30.8	64	-8	-54.7	302.7	-12.8	-2.6	12.8
37TH	457.76	-7.2	45.4	2580	1485	-2.8	30.6	65	-8	-47.6	257.3	-9.3	-1.9	11.0
38TH	470.09	-7.1	45.1	2580	1485	-2.8	30.4	65	-8	-40.4	212.2	-6.4	-1.4	9.2
39TH	482.42	-7.1	44.8	2580	1485	-2.7	30.2	65	-8	-33.4	167.3	-4.1	-1.0	7.3
40TH	494.75	-7.0	44.6	2580	1485	-2.7	30.0	65	-8	-26.4	122.8	-2.3	-.6	5.5
41ST	507.08	-6.9	44.3	2580	1485	-2.7	29.8	65	-8	-19.4	78.5	-1.1	-.3	3.7
42ND	519.41	-7.2	39.0	2580	1485	-2.8	26.3	70	-10	-12.3	39.5	-.3	-.1	2.0
TOP	536.41	-12.3	39.5	3555	2046	-3.5	19.3	76	-17	0.0	0.0	0.0	0.0	0.0

TABLE 7: SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 80 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
GRND	0.00									722.3	1711.8	-491.7	167.4	102.1
2ND	16.19	49.0	48.9	3984	2655	12.3	18.4	5	4	673.3	1662.9	-461.0	154.8	101.8
3RD	32.19	39.6	35.9	3066	2043	12.9	17.6	6	5	633.6	1627.0	-438.0	145.6	101.5
4TH	47.69	45.3	38.3	3395	2262	13.3	17.0	6	6	588.4	1588.6	-413.0	136.1	101.2
5TH	60.69	39.2	32.3	2847	1897	13.8	17.0	7	6	549.2	1556.3	-392.6	128.7	100.8
6TH	73.69	40.8	33.6	2847	1897	14.3	17.7	8	7	508.4	1522.8	-372.6	121.9	100.4
7TH	86.69	42.3	34.9	2847	1897	14.9	18.4	9	8	466.1	1487.9	-353.0	115.5	99.9
8TH	100.19	45.0	37.5	2955	1965	15.2	19.1	11	9	421.0	1450.4	-333.2	109.5	99.4
9TH	112.52	4.9	30.1	2580	1485	1.9	20.3	80	10	416.1	1420.4	-315.5	104.4	97.9
10TH	124.85	4.9	31.1	2580	1485	1.9	20.9	83	10	411.2	1389.3	-298.2	99.3	96.2
11TH	137.18	4.8	32.0	2580	1485	1.9	21.6	87	10	406.4	1357.3	-281.2	94.2	94.5
12TH	149.51	4.7	32.9	2580	1485	1.8	22.2	90	10	401.7	1324.4	-264.7	89.3	92.7
13TH	161.84	4.7	33.9	2580	1485	1.8	22.8	93	10	397.0	1290.5	-248.6	84.3	90.7
14TH	174.17	4.6	34.8	2580	1485	1.8	23.4	96	9	392.4	1255.7	-232.9	79.5	88.6
15TH	186.50	4.5	35.7	2580	1485	1.8	24.1	99	9	387.9	1220.0	-217.6	74.7	86.4
16TH	198.83	5.1	36.6	2580	1485	2.0	24.6	101	10	382.8	1183.4	-202.8	69.9	84.1
17TH	211.16	5.9	37.4	2580	1485	2.3	25.2	103	12	376.9	1146.0	-188.4	65.2	81.7
18TH	223.49	6.6	38.2	2580	1485	2.6	25.7	104	13	370.3	1107.8	-174.5	60.6	79.2
19TH	235.82	7.4	38.9	2580	1485	2.9	26.2	105	15	362.9	1068.9	-161.1	56.1	76.6
20TH	248.15	8.2	39.7	2580	1485	3.2	26.7	106	16	354.8	1029.2	-148.2	51.7	74.0
21ST	260.48	8.9	40.5	2580	1485	3.5	27.3	108	18	345.8	988.7	-135.8	47.4	71.2
22ND	272.81	9.8	41.3	2580	1485	3.8	27.8	108	19	336.0	947.4	-123.8	43.2	68.3
23RD	285.14	11.1	41.8	2580	1485	4.3	28.2	107	21	324.9	905.6	-112.4	39.1	65.4
24TH	297.47	12.4	42.4	2580	1485	4.8	28.5	107	23	312.5	863.2	-101.5	35.1	62.4
25TH	309.80	13.7	42.9	2580	1485	5.3	28.9	106	25	298.9	820.3	-91.1	31.4	59.3
		14.9	43.5	2580	1485	5.8	29.3	105	27					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 80 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
26TH	322.13									283.9	776.9	-81.3	27.8	56.2
27TH	334.46	16.2	44.0	2580	1485	6.3	29.6	104	28	267.7	732.9	-72.0	24.4	53.1
28TH	346.79	17.5	44.5	2580	1485	6.8	30.0	103	30	250.3	688.3	-63.2	21.2	49.8
29TH	359.12	17.9	45.0	2580	1485	6.9	30.3	102	30	232.4	643.3	-55.0	18.2	46.6
30TH	371.45	18.2	45.4	2580	1485	7.1	30.6	102	30	214.2	597.9	-47.3	15.5	43.3
31ST	383.78	18.5	45.9	2580	1485	7.2	30.9	101	30	195.7	552.0	-40.2	12.9	40.0
32ND	396.11	18.7	46.3	2580	1485	7.3	31.2	101	30	176.9	505.7	-33.7	10.6	36.7
33RD	408.44	19.0	46.7	2580	1485	7.4	31.5	100	30	157.9	459.0	-27.8	8.6	33.4
34TH	420.77	19.3	47.1	2580	1485	7.5	31.7	100	30	138.6	411.9	-22.4	6.7	30.1
35TH	433.10	19.2	47.5	2580	1485	7.5	32.0	100	30	119.4	364.4	-17.6	5.2	26.7
36TH	445.43	18.6	47.3	2580	1485	7.2	31.9	100	29	100.8	317.1	-13.4	3.8	23.4
37TH	457.76	17.9	47.2	2580	1485	6.9	31.8	101	29	82.9	269.9	-9.8	2.7	20.0
38TH	470.09	17.2	47.0	2580	1485	6.7	31.7	102	28	65.7	222.8	-6.8	1.7	16.7
39TH	482.42	16.5	46.9	2580	1485	6.4	31.6	103	27	49.2	175.9	-4.3	1.0	13.4
40TH	494.75	15.8	46.8	2580	1485	6.1	31.5	104	26	33.4	129.2	-2.4	.5	10.1
41ST	507.08	15.2	46.6	2580	1485	5.9	31.4	105	25	18.2	82.6	-1.1	.2	6.8
42ND	519.41	11.3	41.1	2580	1485	4.4	27.7	114	23	6.9	41.5	-.4	.1	3.7
TOP	536.41	6.9	41.5	3555	2046	1.9	20.3	142	17	0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 90 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
GRND	0.00	61.9	52.2	3984	2655	15.5	19.6	13	11	1050.4	1746.3	-503.3	229.8	89.1
2ND	18.19	49.8	37.7	3066	2043	16.2	18.5	12	12	988.6	1694.1	-472.0	211.3	88.1
3RD	32.19	57.3	40.0	3395	2262	16.9	17.7	12	13	938.8	1656.4	-448.5	197.8	87.4
4TH	47.69	49.8	33.5	2847	1897	17.5	17.7	11	13	881.5	1616.4	-423.2	183.7	86.5
5TH	60.69	51.7	34.8	2847	1897	18.2	18.3	11	13	831.7	1582.9	-402.4	172.5	85.7
6TH	73.69	53.6	36.1	2847	1897	18.8	19.0	11	12	780.0	1548.1	-382.0	162.0	85.0
7TH	86.69	57.3	38.9	2955	1965	19.4	19.8	11	12	726.3	1512.0	-362.1	152.3	84.2
8TH	100.19	22.6	30.1	2580	1485	8.7	20.3	54	30	669.1	1473.1	-342.0	142.8	83.3
9TH	112.52	22.1	31.1	2580	1485	8.6	21.0	56	29	646.5	1443.0	-324.0	134.7	81.8
10TH	124.85	21.6	32.1	2580	1485	8.4	21.6	57	29	624.4	1411.9	-306.4	126.9	80.2
11TH	137.18	21.0	33.0	2580	1485	8.2	22.2	59	28	602.8	1379.8	-289.2	119.3	78.6
12TH	149.51	20.5	33.9	2580	1485	8.0	22.8	61	27	581.8	1346.8	-272.4	112.0	76.9
13TH	161.84	20.0	34.8	2580	1485	7.8	23.5	63	27	561.3	1312.9	-256.0	105.0	75.2
14TH	174.17	19.5	35.7	2580	1485	7.5	24.1	64	26	541.3	1278.0	-240.0	98.2	73.4
15TH	186.50	19.1	36.6	2580	1485	7.4	24.6	67	26	521.8	1242.3	-224.5	91.6	71.6
16TH	198.83	18.9	37.3	2580	1485	7.3	25.1	69	26	502.7	1205.7	-209.4	85.3	69.7
17TH	211.16	18.6	37.9	2580	1485	7.2	25.6	72	26	483.8	1168.5	-194.7	79.2	67.7
18TH	223.49	18.3	38.6	2580	1485	7.1	26.0	74	26	465.2	1130.5	-180.6	73.4	65.7
19TH	235.82	18.0	39.3	2580	1485	7.0	26.5	76	26	447.0	1091.9	-166.9	67.8	63.5
20TH	248.15	17.7	40.0	2580	1485	6.9	27.0	79	26	429.0	1052.6	-153.6	62.4	61.3
21ST	260.48	17.5	40.7	2580	1485	6.8	27.4	81	26	411.3	1012.5	-140.9	57.2	59.0
22ND	272.81	17.6	41.4	2580	1485	6.8	27.9	81	26	393.8	971.8	-128.7	52.2	56.6
23RD	285.14	17.6	42.0	2580	1485	6.8	28.3	81	25	376.2	930.4	-117.0	47.5	54.2
24TH	297.47	17.7	42.7	2580	1485	6.9	28.8	82	25	358.6	888.4	-105.7	42.9	51.8
25TH	309.80	17.8	43.4	2580	1485	6.9	29.2	82	25	340.9	845.7	-95.1	38.6	49.3

TABLE 7. SHEAR AND MOMENT DIAGRAM : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 90 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
26TH	322.13									323.2	802.3	-84.9	34.5	46.7
27TH	334.46	17.8	44.0	2580	1485	6.9	29.6	82	25	305.3	758.3	-75.3	30.6	44.2
28TH	346.79	17.9	44.7	2580	1485	6.9	30.1	83	25	287.4	713.6	-66.2	27.0	41.5
29TH	359.12	18.1	45.3	2580	1485	7.0	30.5	83	24	269.4	668.3	-57.7	23.6	38.9
30TH	371.45	18.2	45.9	2580	1485	7.1	30.9	82	24	251.1	622.4	-49.7	20.4	36.2
31ST	383.78	18.4	46.6	2580	1485	7.1	31.4	82	24	232.7	575.8	-42.3	17.4	33.5
32ND	396.11	18.6	47.2	2580	1485	7.2	31.8	82	24	214.1	528.7	-35.5	14.6	30.8
33RD	408.44	18.8	47.8	2580	1485	7.3	32.2	82	24	195.4	480.8	-29.3	12.1	28.0
34TH	420.77	18.9	48.4	2580	1485	7.3	32.6	82	24	176.4	432.4	-23.7	9.8	25.3
35TH	433.10	19.2	49.0	2580	1485	7.4	33.0	82	24	157.2	383.4	-18.6	7.7	22.4
36TH	445.43	19.4	49.1	2580	1485	7.5	33.0	81	24	137.8	334.3	-14.2	5.9	19.6
37TH	457.76	19.7	49.1	2580	1485	7.6	33.1	81	24	118.1	285.2	-10.4	4.3	16.8
38TH	470.09	19.9	49.2	2580	1485	7.7	33.1	81	24	98.2	236.0	-7.2	3.0	14.0
39TH	482.42	20.1	49.3	2580	1485	7.8	33.2	80	24	78.1	186.7	-4.6	1.9	11.2
40TH	494.75	20.4	49.3	2580	1485	7.9	33.2	80	25	57.7	137.4	-2.6	1.1	8.4
41ST	507.08	20.6	49.4	2580	1485	8.0	33.3	80	25	37.1	88.0	-1.2	.5	5.5
42ND	519.41	18.3	43.7	2580	1485	7.1	29.4	83	26	18.8	44.3	-.4	.2	3.0
TOP	536.41	18.8	44.3	3555	2046	5.3	21.6	93	29	0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 100 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (X)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
GRND	0.00	76.5	60.1	3984	2635	19.2	22.6	8	8	1336.4	1981.2	-560.8	279.7	51.6
2ND	18.19	61.4	44.0	3066	2043	20.0	21.5	7	8	1259.9	1921.1	-525.3	256.1	50.8
3RD	32.19	70.7	46.9	3395	2262	20.8	20.7	6	7	1198.6	1877.1	-498.7	238.9	50.3
4TH	47.69	60.9	39.8	2847	1897	21.4	21.0	5	6	1127.9	1830.2	-470.0	220.8	49.7
5TH	60.69	62.7	42.0	2847	1897	22.0	22.1	4	5	1067.0	1790.4	-446.4	206.6	49.3
6TH	73.69	64.5	44.3	2847	1897	22.7	23.3	3	3	1004.3	1748.4	-423.4	193.1	48.9
7TH	86.69	68.6	48.3	2955	1965	23.2	24.5	3	3	939.7	1704.1	-401.0	180.5	48.7
8TH	100.19	39.1	37.5	2580	1485	15.2	25.3	26	20	871.2	1655.8	-378.3	168.3	48.5
9TH	112.52	37.8	38.3	2580	1485	14.6	25.8	27	20	832.1	1618.3	-358.1	157.8	47.2
10TH	124.85	36.4	39.0	2580	1485	14.1	26.3	28	19	794.3	1580.0	-338.4	147.7	46.0
11TH	137.18	35.0	39.7	2580	1485	13.6	26.7	29	19	757.9	1541.0	-319.2	138.2	44.7
12TH	149.51	33.7	40.4	2580	1485	13.1	27.2	29	18	722.8	1501.3	-300.4	129.0	43.5
13TH	161.84	32.3	41.1	2580	1485	12.5	27.7	30	18	689.2	1460.9	-282.2	120.3	42.3
14TH	174.17	30.9	41.8	2580	1485	12.0	28.1	31	17	656.9	1419.8	-264.4	112.0	41.0
15TH	186.50	29.8	42.5	2580	1485	11.5	28.6	32	17	625.9	1378.0	-247.2	104.1	39.8
16TH	198.83	28.7	43.1	2580	1485	11.1	29.0	33	16	596.2	1335.5	-230.4	96.6	38.6
17TH	211.16	27.6	43.7	2580	1485	10.7	29.4	34	16	567.5	1292.4	-214.2	89.4	37.4
18TH	223.49	26.5	44.4	2580	1485	10.3	29.9	35	15	540.0	1248.7	-198.6	82.6	36.1
19TH	235.82	25.4	45.0	2580	1485	9.8	30.3	35	15	513.5	1204.3	-183.4	76.1	34.8
20TH	248.15	24.3	45.6	2580	1485	9.4	30.7	36	14	488.1	1159.3	-168.9	69.9	33.5
21ST	260.48	23.3	46.3	2580	1485	9.0	31.2	37	14	463.9	1113.7	-154.9	64.0	32.2
22ND	272.81	22.6	46.6	2580	1485	8.8	31.4	38	14	440.6	1067.5	-141.4	58.5	30.9
23RD	285.14	21.9	47.0	2580	1485	8.5	31.6	39	13	418.0	1020.8	-128.5	53.2	29.6
24TH	297.47	21.2	47.3	2580	1485	8.2	31.9	39	13	396.1	973.9	-116.2	48.2	28.2
25TH	309.80	20.5	47.7	2580	1485	8.0	32.1	40	13	374.9	926.5	-104.5	43.4	26.9

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 100 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
26TH	322.13	19.8	48.1	2580	1485	7.7	32.4	41	13	354.4	878.8	-93.4	38.9	25.5
27TH	334.46	19.2	48.4	2580	1485	7.4	32.6	41	12	334.5	830.7	-82.8	34.7	24.1
28TH	346.79	19.1	49.0	2580	1485	7.4	33.0	42	12	315.4	782.3	-72.9	30.7	22.7
29TH	359.12	19.2	49.8	2580	1485	7.4	33.6	42	12	296.3	733.3	-63.6	26.9	21.2
30TH	371.45	19.2	50.7	2580	1485	7.5	34.1	42	12	277.1	683.4	-54.8	23.3	19.8
31ST	383.78	19.3	51.5	2580	1485	7.5	34.7	43	12	257.9	632.8	-46.7	20.1	18.3
32ND	396.11	19.4	52.3	2580	1485	7.5	35.2	43	12	238.6	581.3	-39.2	17.0	16.8
33RD	408.44	19.5	53.1	2580	1485	7.6	35.8	43	12	219.1	529.0	-32.4	14.2	15.2
34TH	420.77	19.9	53.8	2580	1485	7.7	36.3	43	12	199.6	475.9	-26.2	11.6	13.6
35TH	433.10	20.5	53.8	2580	1485	7.9	36.2	42	12	179.7	422.1	-20.7	9.2	12.0
36TH	445.43	21.0	53.8	2580	1485	8.2	36.2	41	12	159.3	368.2	-15.8	7.2	10.5
37TH	457.76	21.6	53.8	2580	1485	8.4	36.2	41	12	138.2	314.4	-11.6	5.3	8.9
38TH	470.09	22.2	53.8	2580	1485	8.6	36.2	40	12	116.6	260.7	-8.0	3.8	7.4
39TH	482.42	22.7	53.7	2580	1485	8.8	36.2	39	12	94.5	206.9	-5.1	2.5	5.8
40TH	494.75	23.3	53.7	2580	1485	9.0	36.2	39	12	71.7	153.2	-2.9	1.4	4.3
41ST	507.08	22.2	48.2	2580	1485	8.6	32.5	38	13	48.5	99.5	-1.4	.7	2.8
42ND	519.41	26.3	51.2	3555	2046	7.4	25.0	37	14	26.3	51.2	-.4	.2	1.4
TOP	536.41									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 110 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
GRND	0.00	81.8	66.9	3984	2635	20.5	25.2	2	2	1831.1	2100.3	-582.9	430.9	37.3
2ND	18.19	65.4	48.7	3066	2043	21.3	23.8	2	2	1749.2	2033.4	-545.3	398.4	37.1
3RD	32.19	75.1	51.8	3395	2262	22.1	22.9	1	1	1683.8	1984.7	-517.2	374.4	37.0
4TH	47.69	64.6	43.7	2847	1897	22.7	23.0	0	0	1608.7	1932.9	-486.8	348.8	36.9
5TH	60.69	66.4	46.2	2847	1897	23.3	24.3	-1	-1	1544.2	1889.2	-462.0	328.3	36.9
6TH	73.69	68.3	48.8	2847	1897	24.0	25.7	-3	-3	1477.8	1843.0	-437.7	308.7	37.0
7TH	86.69	72.8	53.2	2955	1965	24.6	27.1	-4	-4	1409.4	1794.3	-414.1	289.9	37.2
8TH	100.19	54.5	41.1	2580	1485	21.1	27.7	16	15	1336.7	1741.0	-390.2	271.4	37.5
9TH	112.52	52.2	41.8	2580	1485	20.2	28.1	17	15	1282.2	1699.9	-369.0	255.3	36.5
10TH	124.85	50.0	42.5	2580	1485	19.4	28.6	17	15	1230.0	1658.1	-348.3	239.8	35.4
11TH	137.18	47.8	43.4	2580	1485	18.5	29.2	18	15	1180.0	1615.6	-328.1	224.9	34.3
12TH	149.51	45.6	44.2	2580	1485	17.7	29.8	19	15	1132.2	1572.2	-308.5	210.7	33.2
13TH	161.84	43.4	45.1	2580	1485	16.8	30.3	20	14	1086.6	1528.0	-289.3	197.0	32.2
14TH	174.17	41.3	45.9	2580	1485	16.0	30.9	20	14	1043.2	1482.9	-270.8	183.8	31.1
15TH	186.50	40.1	46.6	2580	1485	15.6	31.4	21	13	1001.9	1437.0	-252.8	171.2	30.1
16TH	198.83	39.3	47.2	2580	1485	15.2	31.8	21	13	961.8	1390.4	-235.3	159.1	29.1
17TH	211.16	38.4	47.7	2580	1485	14.9	32.2	22	13	922.5	1343.2	-218.5	147.5	28.0
18TH	223.49	37.6	48.3	2580	1485	14.6	32.5	22	13	884.1	1295.5	-202.2	136.4	27.0
19TH	235.82	36.8	48.9	2580	1485	14.3	32.9	22	13	846.5	1247.2	-186.5	125.7	25.9
20TH	248.15	35.9	49.4	2580	1485	13.9	33.3	23	12	809.7	1198.3	-171.5	115.5	24.9
21ST	260.48	35.3	50.0	2580	1485	13.7	33.7	23	12	773.8	1148.8	-157.0	105.7	23.8
22ND	272.81	35.2	50.3	2580	1485	13.6	33.9	23	12	738.4	1098.9	-143.1	96.4	22.8
23RD	285.14	35.1	50.5	2580	1485	13.6	34.0	23	12	703.3	1048.6	-129.9	87.5	21.7
24TH	297.47	34.9	50.8	2580	1485	13.5	34.2	23	12	668.2	998.0	-117.3	79.1	20.7
25TH	309.80	34.8	51.1	2580	1485	13.5	34.4	23	12	633.3	947.2	-105.3	71.0	19.6

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 110 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
26TH	322.13									598.5	896.1	-93.9	63.4	18.6
27TH	334.46	34.7	51.4	2580	1485	13.4	34.6	23	12	563.8	844.7	-83.2	56.3	17.5
28TH	346.79	34.5	51.7	2580	1485	13.4	34.8	23	11	529.3	793.1	-73.1	49.5	16.5
29TH	359.12	34.6	52.0	2580	1485	13.4	35.0	23	11	494.7	741.1	-63.6	43.2	15.4
30TH	371.45	34.6	52.4	2580	1485	13.4	35.3	23	11	460.1	688.7	-54.8	37.3	14.3
31ST	383.78	34.7	52.8	2580	1485	13.4	35.5	23	11	425.4	635.9	-46.7	31.9	13.3
32ND	396.11	34.7	53.1	2580	1485	13.5	35.8	23	11	390.7	582.8	-39.2	26.9	12.2
33RD	408.44	34.8	53.5	2580	1485	13.5	36.0	23	11	355.9	529.3	-32.3	22.2	11.1
34TH	420.77	34.9	53.9	2580	1485	13.5	36.3	24	11	321.0	475.4	-26.1	18.1	10.0
35TH	433.10	35.0	54.2	2580	1485	13.6	36.5	24	11	286.0	421.2	-20.6	14.3	8.9
36TH	445.43	35.2	54.1	2580	1485	13.6	36.4	24	12	250.8	367.1	-15.7	11.0	7.8
37TH	457.76	35.3	53.9	2580	1485	13.7	36.3	24	12	215.5	313.2	-11.5	8.2	6.6
38TH	470.09	35.4	53.8	2580	1485	13.7	36.2	24	12	180.1	259.5	-8.0	5.7	5.5
39TH	482.42	35.6	53.6	2580	1485	13.8	36.1	24	12	144.5	205.9	-5.1	3.7	4.4
40TH	494.75	35.7	53.5	2580	1485	13.8	36.0	24	12	108.8	152.4	-2.9	2.1	3.3
41ST	507.08	35.9	53.3	2580	1485	13.9	35.9	24	12	72.9	99.1	-1.4	1.0	2.1
42ND	519.41	33.4	47.9	2580	1485	12.9	32.3	24	12	39.5	51.2	-.4	.3	1.1
TOP	536.41	39.5	51.2	3555	2046	11.1	25.0	22	13	0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 120 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
GRND	0.00									2314.9	2109.7	-576.7	593.5	27.9
2ND	18.19	86.2	74.6	3984	2655	21.6	28.1	-6	-6	2228.8	2035.1	-539.0	552.2	28.6
3RD	32.19	67.6	54.8	3066	2043	22.0	26.8	-7	-7	2161.2	1980.4	-510.9	521.4	29.3
4TH	47.69	76.8	58.8	3395	2262	22.6	26.0	-8	-8	2084.4	1921.6	-480.7	488.5	30.1
5TH	60.69	65.3	48.9	2847	1897	22.9	25.8	-9	-9	2019.1	1872.6	-456.0	461.9	30.8
6TH	73.69	66.2	49.8	2847	1897	23.2	26.2	-9	-9	1952.9	1822.8	-432.0	436.0	31.5
7TH	86.69	67.1	50.7	2847	1897	23.6	26.7	-9	-9	1885.8	1772.1	-408.6	411.1	32.3
8TH	100.19	70.6	53.5	2955	1965	23.9	27.2	-9	-9	1815.2	1718.6	-385.0	386.1	33.0
9TH	112.52	61.8	40.1	2580	1485	23.9	27.0	11	12	1753.5	1678.5	-364.1	364.1	32.1
10TH	124.85	59.8	41.1	2580	1485	23.2	27.7	11	12	1693.6	1637.4	-343.7	342.9	31.3
11TH	137.18	57.9	42.0	2580	1485	22.4	28.3	12	12	1635.8	1595.4	-323.7	322.3	30.4
12TH	149.51	55.9	42.9	2580	1485	21.7	28.9	13	12	1579.9	1552.5	-304.3	302.5	29.5
13TH	161.84	53.9	43.7	2580	1485	20.9	29.4	13	12	1526.0	1508.8	-285.4	283.4	28.6
14TH	174.17	51.9	44.6	2580	1485	20.1	30.0	14	12	1474.2	1464.3	-267.1	264.9	27.7
15TH	186.50	49.9	45.4	2580	1485	19.3	30.6	15	12	1424.3	1418.9	-249.3	247.0	26.8
16TH	198.83	49.6	46.1	2580	1485	19.2	31.0	15	12	1374.7	1372.7	-232.1	229.7	25.9
17TH	211.16	49.7	46.6	2580	1485	19.3	31.4	15	12	1324.9	1326.1	-215.5	213.1	25.0
18TH	223.49	49.9	47.2	2580	1485	19.3	31.8	15	12	1275.0	1278.9	-199.4	197.1	24.0
19TH	235.82	50.1	47.7	2580	1485	19.4	32.1	15	12	1224.9	1231.2	-184.0	181.7	23.1
20TH	248.15	50.3	48.3	2580	1485	19.5	32.5	15	12	1174.7	1183.0	-169.1	166.9	22.2
21ST	260.48	50.4	48.8	2580	1485	19.5	32.9	15	12	1124.3	1134.2	-154.8	152.7	21.2
22ND	272.81	50.6	49.3	2580	1485	19.6	33.2	16	12	1073.7	1084.9	-141.1	139.1	20.2
23RD	285.14	50.6	49.6	2580	1485	19.6	33.4	16	12	1023.1	1035.2	-128.0	126.2	19.3
24TH	297.47	50.7	50.0	2580	1485	19.7	33.7	16	12	972.3	985.2	-115.6	113.9	18.3
25TH	309.80	50.8	50.3	2580	1485	19.7	33.9	16	12	921.5	934.9	-103.7	102.2	17.4
		50.9	50.6	2580	1485	19.7	34.1	16	12					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 120 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
26TH	322.13									870.7	884.3	-92.5	91.2	16.4
27TH	334.46	50.9	51.0	2580	1485	19.7	34.3	16	12	819.8	833.3	-81.9	80.8	15.4
28TH	346.79	51.0	51.3	2580	1485	19.8	34.5	16	12	768.8	782.0	-72.0	71.0	14.4
29TH	359.12	51.1	51.6	2580	1485	19.8	34.8	16	12	717.6	730.4	-62.7	61.8	13.4
30TH	371.45	51.3	51.9	2580	1485	19.9	35.0	16	12	666.4	678.5	-54.0	53.3	12.5
31ST	383.78	51.5	52.2	2580	1485	19.9	35.2	16	11	614.9	626.3	-45.9	45.4	11.5
32ND	396.11	51.6	52.5	2580	1485	20.0	35.4	16	11	563.3	573.7	-38.5	38.1	10.5
33RD	408.44	51.8	52.9	2580	1485	20.1	35.6	16	11	511.5	520.8	-31.8	31.5	9.5
34TH	420.77	51.9	53.2	2580	1485	20.1	35.8	15	11	459.6	467.7	-25.7	25.5	8.5
35TH	433.10	52.0	53.4	2580	1485	20.2	36.0	16	11	407.6	414.2	-20.3	20.2	7.5
36TH	445.43	51.8	53.2	2580	1485	20.1	35.8	15	11	355.8	361.0	-15.5	15.4	6.6
37TH	457.76	51.5	53.0	2580	1485	20.0	35.7	15	11	304.3	308.0	-11.3	11.4	5.6
38TH	470.09	51.3	52.8	2580	1485	19.9	35.6	15	11	253.0	255.2	-7.9	7.9	4.6
39TH	482.42	51.1	52.6	2580	1485	19.8	35.4	15	11	201.9	202.6	-5.1	5.1	3.7
40TH	494.75	50.8	52.4	2580	1485	19.7	35.3	15	11	151.0	150.2	-2.9	3.0	2.7
41ST	507.08	50.6	52.2	2580	1485	19.6	35.1	15	11	100.4	98.0	-1.4	1.4	1.8
42ND	519.41	46.3	47.1	2580	1485	17.9	31.7	15	11	54.2	50.9	-.4	.5	.9
TOP	536.41	54.2	50.9	3555	2046	15.2	24.9	14	11	0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 130 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
GRND	0.00									2671.5	1977.1	-539.2	719.6	18.3
2ND	18.19	85.4	72.8	3984	2655	21.4	27.4	-9	-8	2586.2	1904.3	-503.9	671.8	19.2
3RD	32.19	66.5	53.7	3066	2043	21.7	26.3	-10	-9	2519.6	1850.6	-477.6	636.0	20.0
4TH	47.69	74.5	56.9	3395	2262	22.0	25.1	-11	-10	2445.1	1793.7	-449.4	597.5	21.0
5TH	60.69	62.5	46.4	2847	1897	21.9	24.5	-11	-11	2382.6	1747.2	-426.4	566.2	21.9
6TH	73.69	62.5	46.2	2847	1897	21.9	24.3	-11	-11	2320.1	1701.1	-404.0	535.6	22.8
7TH	86.69	62.5	45.9	2847	1897	21.9	24.2	-11	-11	2257.7	1655.1	-382.2	505.8	23.6
8TH	100.19	65.0	47.3	2955	1965	22.0	24.1	-11	-11	2192.7	1607.8	-360.1	475.8	24.5
9TH	112.52	65.7	36.7	2580	1485	25.5	24.7	5	7	2127.1	1571.1	-340.5	449.2	24.0
10TH	124.85	64.6	38.0	2580	1485	25.1	25.6	6	7	2062.4	1533.2	-321.4	423.3	23.5
11TH	137.18	63.5	39.1	2580	1485	24.6	26.3	6	7	1998.9	1494.1	-302.7	398.3	23.0
12TH	149.51	62.3	40.0	2580	1485	24.2	27.0	7	8	1936.6	1454.0	-284.6	374.0	22.5
13TH	161.84	61.2	41.0	2580	1485	23.7	27.6	7	8	1875.4	1413.1	-266.9	350.5	21.9
14TH	174.17	60.0	41.9	2580	1485	23.2	28.2	8	8	1815.5	1371.1	-249.7	327.8	21.3
15TH	186.50	58.8	42.9	2580	1485	22.8	28.9	8	8	1756.7	1328.2	-233.1	305.8	20.7
16TH	198.83	59.0	43.6	2580	1485	22.9	29.4	8	8	1697.6	1284.6	-217.0	284.5	20.0
17TH	211.16	59.6	44.0	2580	1485	23.1	29.7	9	9	1638.0	1240.3	-201.4	263.9	19.4
18TH	223.49	60.2	44.5	2580	1485	23.4	30.0	9	9	1577.8	1196.1	-186.4	244.1	18.7
19TH	235.82	60.9	44.9	2580	1485	23.6	30.3	9	9	1516.9	1151.1	-171.9	225.0	18.0
20TH	248.15	61.5	45.4	2580	1485	23.8	30.6	9	9	1455.4	1105.8	-158.0	206.7	17.3
21ST	260.48	62.1	45.8	2580	1485	24.1	30.8	9	9	1393.4	1059.9	-144.6	189.1	16.6
22ND	272.81	62.6	46.2	2580	1485	24.3	31.1	9	9	1330.8	1013.7	-131.9	172.3	15.9
23RD	285.14	62.7	46.5	2580	1485	24.3	31.3	9	9	1268.1	967.2	-119.6	156.3	15.1
24TH	297.47	62.8	46.8	2580	1485	24.4	31.5	9	9	1205.3	920.4	-108.0	141.0	14.4
25TH	309.80	63.0	47.0	2580	1485	24.4	31.7	9	9	1142.3	873.4	-96.9	126.6	13.7
		63.1	47.3	2580	1485	24.5	31.8	9	9					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 130 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
26TH	322.13									1079.3	826.1	-86.5	112.9	12.9
		63.2	47.5	2580	1485	24.5	32.0	9	9					
27TH	334.46									1016.1	778.6	-76.6	100.0	12.2
		63.3	47.8	2580	1485	24.6	32.2	9	9					
28TH	346.79									952.7	730.8	-67.3	87.8	11.4
		63.5	48.1	2580	1485	24.6	32.4	9	9					
29TH	359.12									889.2	682.7	-58.6	76.5	10.6
		63.7	48.4	2580	1485	24.7	32.6	9	9					
30TH	371.45									825.5	634.3	-50.4	65.9	9.9
		63.9	48.8	2580	1485	24.8	32.8	9	9					
31ST	383.78									761.6	585.5	-42.9	56.1	9.1
		64.1	49.1	2580	1485	24.8	33.1	9	9					
32ND	396.11									697.5	536.4	-36.0	47.1	8.4
		64.3	49.5	2580	1485	24.9	33.3	10	9					
33RD	408.44									633.2	487.0	-29.7	38.9	7.6
		64.5	49.8	2580	1485	25.0	33.5	10	9					
34TH	420.77									568.7	437.2	-24.0	31.5	6.8
		64.5	50.1	2580	1485	25.0	33.7	10	9					
35TH	433.10									504.1	387.1	-18.9	24.9	6.0
		64.2	49.9	2580	1485	24.9	33.6	10	9					
36TH	445.43									439.9	337.2	-14.4	19.1	5.2
		63.9	49.6	2580	1485	24.8	33.4	10	9					
37TH	457.76									376.0	287.6	-10.6	14.0	4.5
		63.6	49.4	2580	1485	24.7	33.3	10	9					
38TH	470.09									312.4	238.2	-7.3	9.8	3.7
		63.3	49.2	2580	1485	24.5	33.1	10	9					
39TH	482.42									249.1	189.0	-4.7	6.3	2.9
		63.0	48.9	2580	1485	24.4	33.0	10	9					
40TH	494.75									186.2	140.1	-2.7	3.6	2.2
		62.6	48.7	2580	1485	24.3	32.8	10	9					
41ST	507.08									123.5	91.4	-1.3	1.7	1.4
		56.9	43.9	2580	1485	22.1	29.6	10	9					
42ND	519.41									66.6	47.5	-.4	.6	.7
		66.6	47.5	3555	2046	18.7	23.2	9	9					
TOP	536.41									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAM 1 US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 140 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
GRND	0.00	81.0	66.0	3984	2655	20.3	24.9	-10	-9	2802.6	1739.2	-475.2	777.3	8.3
2ND	18.19	62.7	48.7	3066	2043	20.4	23.9	-11	-11	2721.5	1673.2	-444.2	727.0	9.3
3RD	32.19	69.8	51.7	3395	2262	20.6	22.9	-12	-12	2658.9	1624.4	-421.1	689.4	10.2
4TH	47.69	58.1	41.9	2847	1897	20.4	22.1	-12	-13	2589.1	1572.7	-396.3	648.7	11.3
5TH	60.69	57.4	40.7	2847	1897	20.2	21.5	-12	-13	2531.0	1530.9	-376.2	615.4	12.2
6TH	73.69	56.8	39.6	2847	1897	19.9	20.8	-12	-13	2473.6	1490.1	-356.5	582.9	13.1
7TH	86.69	58.5	39.8	2955	1965	19.8	20.2	-12	-13	2416.8	1450.6	-337.4	551.1	14.0
8TH	100.19	66.8	31.1	2580	1485	25.9	20.9	1	2	2358.3	1410.8	-318.1	518.9	15.0
9TH	112.52	66.1	32.4	2580	1485	25.6	21.8	1	2	2291.5	1379.7	-300.9	490.2	14.8
10TH	124.85	65.3	33.6	2580	1485	25.3	22.6	2	3	2225.4	1347.3	-284.1	462.3	14.7
11TH	137.18	64.5	34.5	2580	1485	25.0	23.2	3	4	2160.0	1313.7	-267.7	435.3	14.5
12TH	149.51	63.7	35.4	2580	1485	24.7	23.9	3	4	2095.5	1279.2	-251.7	409.1	14.3
13TH	161.84	62.8	36.4	2580	1485	24.4	24.5	4	5	2031.8	1243.8	-236.1	383.6	14.0
14TH	174.17	62.0	37.3	2580	1485	24.0	25.1	5	6	1969.0	1207.4	-221.0	359.0	13.6
15TH	186.50	62.4	38.0	2580	1485	24.2	25.6	5	6	1907.0	1170.1	-206.4	335.1	13.2
16TH	198.83	63.0	38.3	2580	1485	24.4	25.8	5	6	1844.6	1132.1	-192.2	311.9	12.8
17TH	211.16	63.7	38.7	2580	1485	24.7	26.1	5	6	1781.5	1093.7	-178.5	289.6	12.4
18TH	223.49	64.4	39.0	2580	1485	25.0	26.3	5	6	1717.8	1055.1	-165.2	268.0	11.9
19TH	235.82	65.0	39.4	2580	1485	25.2	26.5	5	6	1653.5	1016.0	-152.4	247.2	11.5
20TH	248.15	65.7	39.7	2580	1485	25.5	26.8	5	6	1588.4	976.6	-140.2	227.2	11.1
21ST	260.48	66.3	40.1	2580	1485	25.7	27.0	5	6	1522.7	936.9	-128.4	208.1	10.6
22ND	272.81	66.7	40.4	2580	1485	25.9	27.2	5	6	1456.4	896.8	-117.1	189.7	10.2
23RD	285.14	67.1	40.7	2580	1485	26.0	27.4	5	6	1389.7	856.4	-106.2	172.1	9.7
24TH	297.47	67.5	41.1	2580	1485	26.1	27.7	5	6	1322.6	815.7	-95.9	155.4	9.2
25TH	309.80	67.8	41.4	2580	1485	26.3	27.9	5	6	1255.2	774.6	-86.1	139.5	8.8

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 140 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
26TH	322.13	68.2	41.8	2580	1485	26.4	28.1	5	6	1187.3	733.2	-76.8	124.5	8.3
27TH	334.46	68.6	42.1	2580	1485	26.6	28.3	5	6	1119.1	691.4	-68.1	110.3	7.8
28TH	346.79	69.1	42.4	2580	1485	26.8	28.6	5	6	1050.5	649.3	-59.8	96.9	7.4
29TH	359.12	69.6	42.8	2580	1485	27.0	28.8	5	6	981.4	606.9	-52.0	84.4	6.9
30TH	371.45	70.1	43.2	2580	1485	27.2	29.1	5	6	911.8	564.0	-44.8	72.7	6.4
31ST	383.78	70.6	43.6	2580	1485	27.4	29.4	5	6	841.7	520.8	-38.1	61.9	5.9
32ND	396.11	71.1	44.0	2580	1485	27.6	29.6	5	6	771.1	477.2	-32.0	51.9	5.4
33RD	408.44	71.7	44.4	2580	1485	27.8	29.9	5	6	700.0	433.2	-26.4	42.9	4.9
34TH	420.77	71.8	44.7	2580	1485	27.8	30.1	5	6	628.3	388.9	-21.3	34.7	4.4
35TH	433.10	71.4	44.5	2580	1485	27.7	29.9	5	6	556.5	344.2	-16.8	27.4	3.9
36TH	445.43	70.9	44.2	2580	1485	27.5	29.8	5	6	485.1	299.7	-12.8	20.9	3.4
37TH	457.76	70.5	44.0	2580	1485	27.3	29.6	5	6	414.1	255.5	-9.4	15.4	2.9
38TH	470.09	70.1	43.8	2580	1485	27.2	29.5	5	6	343.6	211.5	-6.5	10.7	2.4
39TH	482.42	69.6	43.5	2580	1485	27.0	29.3	5	6	273.6	167.7	-4.2	6.9	1.9
40TH	494.75	69.2	43.3	2580	1485	26.8	29.1	5	6	203.9	124.2	-2.4	4.0	1.4
41ST	507.08	62.3	39.0	2580	1485	24.2	26.2	5	6	134.8	80.9	-1.1	1.9	.9
42ND	519.41	72.4	42.0	3555	2046	20.4	20.5	5	6	72.4	42.0	-.4	.6	.5
TOP	536.41									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 150 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
GRND	0.00									2953.7	1616.4	-436.0	837.2	-1.5
2ND	18.19	79.5	62.7	3984	2655	19.9	23.6	-11	-11	2874.3	1553.7	-407.2	784.2	-.3
3RD	32.19	61.4	47.0	3066	2043	20.0	23.0	-12	-12	2812.9	1506.8	-385.7	744.4	.6
4TH	47.69	68.4	50.1	3395	2262	20.1	22.1	-12	-13	2744.5	1456.7	-362.8	701.3	1.7
5TH	60.69	56.9	40.3	2847	1897	20.0	21.3	-13	-13	2687.6	1416.4	-344.1	666.0	2.6
6TH	73.69	56.2	38.9	2847	1897	19.8	20.5	-13	-14	2631.4	1377.5	-325.9	631.4	3.6
7TH	86.69	55.6	37.5	2847	1897	19.5	19.8	-13	-15	2575.8	1340.0	-308.3	597.6	4.6
8TH	100.19	57.3	37.3	2955	1965	19.4	19.0	-13	-15	2518.5	1302.6	-290.4	563.2	5.6
9TH	112.52	68.8	29.5	2580	1485	26.7	19.8	-1	-2	2449.7	1273.2	-274.5	532.6	5.7
10TH	124.85	68.0	30.4	2580	1485	26.4	20.5	-1	-1	2381.7	1242.7	-259.0	502.8	5.8
11TH	137.18	67.3	31.5	2580	1485	26.1	21.2	-0	-0	2314.4	1211.2	-243.9	473.8	5.8
12TH	149.51	66.7	32.7	2580	1485	25.8	22.0	0	0	2247.8	1178.5	-229.2	445.7	5.8
13TH	161.84	66.0	33.9	2580	1485	25.6	22.8	1	1	2181.8	1144.6	-214.9	418.4	5.7
14TH	174.17	65.3	35.1	2580	1485	25.3	23.6	2	2	2116.4	1109.5	-201.0	391.9	5.6
15TH	186.50	64.7	36.3	2580	1485	25.1	24.4	2	3	2051.7	1073.2	-187.5	366.2	5.4
16TH	198.83	65.1	36.9	2580	1485	25.2	24.9	2	3	1986.7	1036.2	-174.5	341.3	5.2
17TH	211.16	65.6	37.0	2580	1485	25.4	24.9	2	3	1921.0	999.3	-161.9	317.2	4.9
18TH	223.49	66.2	37.0	2580	1485	25.7	24.9	2	3	1854.8	962.3	-149.9	293.9	4.7
19TH	235.82	66.8	37.0	2580	1485	25.9	24.9	2	3	1788.0	925.3	-138.2	271.5	4.5
20TH	248.15	67.4	37.0	2580	1485	26.1	24.9	2	3	1720.6	888.2	-127.0	249.8	4.3
21ST	260.48	67.9	37.1	2580	1485	26.3	25.0	2	3	1652.7	851.2	-116.3	229.0	4.0
22ND	272.81	68.6	37.1	2580	1485	26.6	25.0	2	3	1584.1	814.1	-106.0	209.1	3.8
23RD	285.14	69.4	37.3	2580	1485	26.9	25.1	2	3	1514.7	776.8	-96.2	190.0	3.6
24TH	297.47	70.2	37.5	2580	1485	27.2	25.3	2	3	1444.5	739.2	-86.9	171.7	3.4
25TH	309.80	71.1	37.7	2580	1485	27.5	25.4	2	3	1373.4	701.5	-78.0	154.4	3.1
		71.9	37.9	2580	1485	27.9	25.5	2	3					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 150 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
26TH	322.13									1301.5	663.6	-69.6	137.9	2.9
27TH	334.46	72.7	38.1	2580	1485	28.2	25.7	2	3	1228.8	625.5	-61.6	122.3	2.7
28TH	346.79	73.6	38.3	2580	1485	28.5	25.8	2	3	1155.2	587.2	-54.2	107.6	2.5
29TH	359.12	74.3	38.6	2580	1485	28.8	26.0	2	3	1080.9	548.6	-47.2	93.8	2.3
30TH	371.45	75.0	38.8	2580	1485	29.1	26.1	2	3	1005.9	509.8	-40.6	80.9	2.1
31ST	383.78	75.7	39.1	2580	1485	29.4	26.3	2	2	930.1	470.7	-34.6	69.0	1.9
32ND	396.11	76.4	39.4	2580	1485	29.6	26.5	2	2	853.7	431.4	-29.0	58.0	1.7
33RD	408.44	77.2	39.6	2580	1485	29.9	26.7	2	2	776.5	391.8	-24.0	48.0	1.5
34TH	420.77	77.9	39.9	2580	1485	30.2	26.9	2	2	698.7	351.9	-19.4	38.9	1.4
35TH	433.10	78.3	40.1	2580	1485	30.4	27.0	2	2	620.4	311.7	-15.3	30.7	1.2
36TH	445.43	78.2	39.9	2580	1485	30.3	26.9	1	2	542.2	271.8	-11.7	23.6	1.0
37TH	457.76	78.1	39.8	2580	1485	30.3	26.8	1	2	464.1	232.0	-8.6	17.4	.8
38TH	470.09	78.0	39.6	2580	1485	30.2	26.7	1	2	386.1	192.4	-6.0	12.1	.7
39TH	482.42	77.9	39.4	2580	1485	30.2	26.6	1	2	308.2	153.0	-3.8	7.8	.5
40TH	494.75	77.8	39.3	2580	1485	30.2	26.4	1	2	230.4	113.7	-2.2	4.5	.3
41ST	507.08	77.7	39.1	2580	1485	30.1	26.3	1	2	152.7	74.6	-1.0	2.2	.2
42ND	519.41	70.3	35.5	2580	1485	27.2	23.9	1	2	82.5	39.1	-.3	.7	.1
TOP	536.41	82.5	39.1	3555	2046	23.2	19.1	0	1	0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 160 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
GRND	0.00									4589.6	1907.5	-506.0	1317.4	-27.0
2ND	18.19	110.2	74.7	3984	2655	27.6	28.1	-10	-11	4479.4	1832.8	-472.0	1234.9	-25.6
3RD	32.19	85.5	55.4	3066	2043	27.9	27.1	-11	-13	4393.9	1777.4	-446.7	1172.8	-24.3
4TH	47.69	96.1	59.2	3395	2262	28.3	26.2	-12	-15	4297.8	1718.1	-419.6	1105.4	-22.8
5TH	60.69	80.5	48.0	2847	1897	28.3	25.3	-13	-16	4217.3	1670.2	-397.6	1050.1	-21.3
6TH	73.69	79.9	46.5	2847	1897	28.1	24.5	-13	-17	4137.4	1623.7	-376.2	995.8	-19.8
7TH	86.69	79.4	45.0	2847	1897	27.9	23.7	-14	-18	4058.0	1578.7	-355.4	942.5	-18.3
8TH	100.19	82.4	45.0	2955	1965	27.9	22.9	-14	-19	3975.6	1533.7	-334.4	888.3	-16.6
9TH	112.52	108.0	36.2	2580	1485	41.9	24.4	-4	-9	3867.7	1497.5	-315.7	839.9	-15.8
10TH	124.85	106.7	37.1	2580	1485	41.4	25.0	-4	-8	3761.0	1460.3	-297.5	792.9	-15.0
11TH	137.18	105.6	38.5	2580	1485	40.9	25.9	-4	-7	3655.4	1421.8	-279.7	747.2	-14.3
12TH	149.51	104.6	40.2	2580	1485	40.5	27.1	-3	-6	3550.8	1381.6	-262.4	702.8	-13.6
13TH	161.84	103.6	41.9	2580	1485	40.2	28.2	-3	-6	3447.2	1339.7	-245.6	659.6	-13.1
14TH	174.17	102.6	43.6	2580	1485	39.8	29.4	-3	-5	3344.6	1296.0	-229.4	617.8	-12.6
15TH	186.50	101.6	45.3	2580	1485	39.4	30.5	-2	-4	3243.0	1250.7	-213.7	577.1	-12.2
16TH	198.83	102.5	46.1	2580	1485	39.7	31.1	-2	-4	3140.5	1204.5	-198.5	537.8	-11.8
17TH	211.16	103.6	46.0	2580	1485	40.2	31.0	-2	-4	3036.8	1158.5	-184.0	499.7	-11.4
18TH	223.49	104.8	45.9	2580	1485	40.6	30.9	-2	-4	2932.0	1112.7	-170.0	462.9	-11.1
19TH	235.82	106.0	45.7	2580	1485	41.1	30.8	-2	-4	2826.0	1067.0	-156.5	427.4	-10.7
20TH	248.15	107.1	45.6	2580	1485	41.5	30.7	-2	-4	2718.9	1021.4	-143.7	393.2	-10.3
21ST	260.48	108.3	45.4	2580	1485	42.0	30.6	-2	-4	2610.6	976.0	-131.3	360.4	-9.9
22ND	272.81	109.5	45.3	2580	1485	42.4	30.5	-2	-4	2501.1	930.7	-119.6	328.9	-9.5
23RD	285.14	110.7	45.2	2580	1485	42.9	30.4	-2	-4	2390.3	885.5	-108.4	298.7	-9.1
24TH	297.47	112.0	45.1	2580	1485	43.4	30.4	-2	-4	2278.4	840.4	-97.8	269.9	-8.7
25TH	309.80	113.2	45.0	2580	1485	43.9	30.3	-2	-4	2165.2	795.3	-87.7	242.5	-8.3
		114.5	45.0	2580	1485	44.4	30.3	-2	-4					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 160 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (X)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
26TH	322.13	115.7	44.9	2580	1485	44.8	30.2	-2	-4	2050.7	750.4	-78.1	216.5	-7.8
27TH	334.46	116.9	44.8	2580	1485	45.3	30.2	-2	-4	1935.0	705.5	-69.2	192.0	-7.4
28TH	346.79	118.0	44.7	2580	1485	45.7	30.1	-2	-4	1818.1	660.7	-60.7	168.8	-7.0
29TH	359.12	119.0	44.7	2580	1485	46.1	30.1	-2	-4	1700.1	615.9	-52.9	147.1	-6.5
30TH	371.45	120.0	44.6	2580	1485	46.5	30.0	-2	-4	1581.1	571.3	-45.6	126.9	-6.1
31ST	383.78	121.0	44.6	2580	1485	46.9	30.0	-2	-4	1461.1	526.7	-38.8	108.1	-5.7
32ND	396.11	122.0	44.5	2580	1485	47.3	30.0	-2	-4	1340.2	482.1	-32.6	90.9	-5.2
33RD	408.44	123.0	44.4	2580	1485	47.7	29.9	-2	-4	1218.2	437.6	-26.9	75.1	-4.8
34TH	420.77	123.4	44.4	2580	1485	47.8	29.9	-2	-4	1095.2	393.2	-21.8	60.8	-4.4
35TH	433.10	123.0	44.3	2580	1485	47.7	29.8	-2	-4	971.8	348.8	-17.2	48.1	-4.0
36TH	445.43	122.6	44.1	2580	1485	47.5	29.7	-2	-4	848.8	304.6	-13.2	36.9	-3.6
37TH	457.76	122.3	44.0	2580	1485	47.4	29.7	-2	-4	726.1	260.4	-9.7	27.2	-3.1
38TH	470.09	121.9	43.9	2580	1485	47.2	29.6	-2	-4	603.9	216.4	-6.8	19.0	-2.6
39TH	482.42	121.5	43.8	2580	1485	47.1	29.5	-2	-4	482.0	172.5	-4.4	12.3	-2.1
40TH	494.75	121.1	43.7	2580	1485	46.9	29.4	-2	-5	360.5	128.7	-2.5	7.1	-1.6
41ST	507.08	109.7	40.0	2580	1485	42.5	26.9	-2	-5	239.4	85.0	-1.2	3.4	-1.1
42ND	519.41	129.7	45.0	3555	2046	36.5	22.0	-3	-6	129.7	45.0	-0.4	1.1	-0.7
TOP	536.41									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 170 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
GRND	0.00									4331.8	1223.3	-294.8	1253.0	-47.1
2ND	18.19	97.6	61.4	3984	2635	24.5	23.1	-12	-14	4234.2	1161.8	-273.1	1175.1	-45.5
3RD	32.19	76.2	47.7	3066	2043	24.8	23.3	-15	-17	4158.0	1114.1	-257.2	1116.4	-44.0
4TH	47.69	87.3	52.0	3395	2262	25.7	23.0	-16	-20	4070.7	1062.2	-240.3	1052.6	-42.1
5TH	60.69	73.5	41.6	2847	1897	25.8	21.9	-16	-22	3997.2	1020.6	-226.8	1000.2	-40.4
6TH	73.69	71.9	37.4	2847	1897	25.2	19.7	-15	-22	3925.4	983.2	-213.7	948.7	-38.7
7TH	86.69	70.1	32.8	2847	1897	24.6	17.3	-14	-22	3855.3	950.4	-201.2	898.1	-37.2
8TH	100.19	71.6	29.4	2955	1965	24.2	14.9	-12	-23	3783.7	921.0	-188.5	846.5	-35.6
9TH	112.52	103.7	27.2	2580	1485	40.2	18.3	-6	-16	3680.0	893.8	-177.4	800.5	-34.2
10TH	124.85	102.1	26.9	2580	1485	39.6	18.1	-5	-15	3577.9	866.9	-166.5	755.8	-32.9
11TH	137.18	100.7	27.3	2580	1485	39.0	18.4	-5	-13	3477.2	839.6	-156.0	712.3	-31.7
12TH	149.51	99.6	28.3	2580	1485	38.6	19.0	-4	-12	3377.6	811.3	-145.8	670.0	-30.7
13TH	161.84	98.4	29.3	2580	1485	38.2	19.7	-4	-10	3279.2	782.1	-136.0	629.0	-29.8
14TH	174.17	97.3	30.2	2580	1485	37.7	20.4	-4	-8	3181.9	751.9	-126.5	589.2	-29.1
15TH	186.50	96.2	31.2	2580	1485	37.3	21.0	-3	-7	3085.7	720.7	-117.4	550.5	-28.5
16TH	198.83	97.0	31.4	2580	1485	37.6	21.2	-3	-7	2988.7	689.2	-108.7	513.1	-27.9
17TH	211.16	98.2	31.0	2580	1485	38.1	20.8	-3	-7	2890.5	658.3	-100.4	476.8	-27.2
18TH	223.49	99.4	30.5	2580	1485	38.5	20.5	-3	-8	2791.2	627.8	-92.5	441.8	-26.5
19TH	235.82	100.6	30.0	2580	1485	39.0	20.2	-3	-8	2690.6	597.8	-85.0	408.0	-25.7
20TH	248.15	101.8	29.5	2580	1485	39.5	19.9	-3	-9	2588.8	568.3	-77.8	375.5	-24.9
21ST	260.48	103.0	29.0	2580	1485	39.9	19.5	-4	-9	2485.8	539.3	-70.9	344.2	-24.1
22ND	272.81	104.2	28.5	2580	1485	40.4	19.2	-4	-10	2381.6	510.8	-64.5	314.2	-23.2
23RD	285.14	105.2	27.9	2580	1485	40.8	18.8	-4	-10	2276.3	482.9	-58.3	285.5	-22.3
24TH	297.47	106.3	27.3	2580	1485	41.2	18.4	-3	-10	2170.0	455.7	-52.5	258.0	-21.4
25TH	309.80	107.3	26.6	2580	1485	41.6	17.9	-3	-10	2062.7	429.0	-47.1	231.9	-20.4
		108.4	26.0	2580	1485	42.0	17.5	-3	-11					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 170 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
26TH	322.13									1954.3	403.0	-42.0	207.2	-19.4
27TH	334.46	109.5	25.4	2580	1485	42.4	17.1	-3	-11	1844.8	377.6	-37.2	183.8	-18.4
28TH	346.79	110.5	24.8	2580	1485	42.8	16.7	-3	-11	1734.3	352.8	-32.7	161.7	-17.4
29TH	359.12	111.5	24.4	2580	1485	43.2	16.4	-3	-11	1622.8	328.4	-28.5	141.0	-16.3
30TH	371.45	112.6	24.1	2580	1485	43.6	16.2	-3	-11	1510.2	304.3	-24.6	121.7	-15.2
31ST	383.78	113.7	23.8	2580	1485	44.1	16.0	-3	-11	1396.5	280.5	-20.9	103.8	-14.1
32ND	396.11	114.7	23.6	2580	1485	44.5	15.9	-3	-11	1281.8	257.0	-17.6	87.2	-13.0
33RD	408.44	115.8	23.3	2580	1485	44.9	15.7	-3	-11	1166.0	233.7	-14.6	72.2	-11.9
34TH	420.77	116.9	23.0	2580	1485	45.3	15.5	-3	-12	1049.1	210.7	-11.9	58.5	-10.8
35TH	433.10	117.3	22.8	2580	1485	45.5	15.4	-3	-12	931.8	187.9	-9.4	46.3	-9.6
36TH	445.43	117.1	23.0	2580	1485	45.4	15.5	-3	-12	814.6	164.9	-7.2	35.5	-8.4
37TH	457.76	116.9	23.1	2580	1485	45.3	15.6	-3	-12	697.7	141.8	-5.3	26.2	-7.3
38TH	470.09	116.7	23.3	2580	1485	45.2	15.7	-3	-12	581.0	118.5	-3.7	18.3	-6.1
39TH	482.42	116.5	23.5	2580	1485	45.2	15.8	-3	-12	464.5	95.0	-2.4	11.9	-4.9
40TH	494.75	116.3	23.6	2580	1485	45.1	15.9	-3	-12	348.2	71.4	-1.4	6.9	-3.7
41ST	507.08	116.1	23.8	2580	1485	45.0	16.0	-3	-12	232.1	47.6	-.7	3.3	-2.5
42ND	519.41	105.6	22.1	2580	1485	40.9	14.9	-3	-12	126.5	25.5	-.2	1.1	-1.4
TOP	536.41	126.5	25.5	3555	2046	35.6	12.5	-3	-13	0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 180 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
GRND	0.00									3805.9	435.5	-36.6	1109.5	-77.0
2ND	18.19	78.8	36.0	3984	2635	19.8	13.6	-8	-13	3727.1	399.5	-29.0	1041.0	-76.0
3RD	32.19	61.8	29.4	3066	2043	20.2	14.4	-13	-20	3665.3	370.1	-23.6	989.2	-74.7
4TH	47.69	72.0	34.5	3395	2262	21.2	15.3	-16	-25	3593.3	335.6	-18.1	933.0	-72.9
5TH	60.69	62.4	31.4	2847	1897	21.9	16.6	-20	-30	3530.8	304.1	-14.0	886.7	-71.0
6TH	73.69	63.1	32.4	2847	1897	22.1	17.1	-21	-31	3467.8	271.7	-10.2	841.2	-68.9
7TH	86.69	63.5	32.9	2847	1897	22.3	17.3	-22	-32	3404.3	238.8	-6.9	796.5	-66.8
8TH	100.19	67.0	34.7	2955	1965	22.7	17.6	-23	-33	3337.3	204.2	-3.9	751.0	-64.5
9TH	112.52	95.4	30.2	2580	1485	37.0	20.3	-9	-22	3241.9	174.0	-1.6	710.5	-62.6
10TH	124.85	93.5	28.5	2580	1485	36.2	19.2	-9	-22	3148.4	145.4	.4	671.1	-60.8
11TH	137.18	91.4	26.7	2580	1485	35.4	18.0	-8	-21	3057.0	118.8	2.0	632.8	-59.1
12TH	149.51	89.2	24.7	2580	1485	34.6	16.6	-8	-21	2967.8	94.1	3.3	595.7	-57.5
13TH	161.84	87.1	22.7	2580	1485	33.8	15.3	-7	-20	2880.7	71.4	4.4	559.6	-55.9
14TH	174.17	85.0	20.7	2580	1485	33.0	14.0	-6	-19	2795.6	50.7	5.1	524.6	-54.5
15TH	186.50	82.9	18.7	2580	1485	32.1	12.6	-6	-19	2712.8	31.9	5.6	490.7	-53.2
16TH	198.83	83.1	16.7	2580	1485	32.2	11.2	-5	-19	2629.6	15.3	5.9	457.7	-51.8
17TH	211.16	84.1	14.4	2580	1485	32.6	9.7	-5	-20	2545.5	.8	6.0	425.8	-50.4
18TH	223.49	85.1	12.2	2580	1485	33.0	8.2	-4	-21	2460.4	-11.4	5.9	395.0	-49.0
19TH	235.82	86.1	10.0	2580	1485	33.4	6.8	-3	-21	2374.3	-21.4	5.7	365.1	-47.4
20TH	248.15	87.1	7.8	2580	1485	33.7	5.3	-3	-22	2287.3	-29.3	5.4	336.4	-45.9
21ST	260.48	88.0	5.6	2580	1485	34.1	3.8	-2	-22	2199.2	-34.9	5.0	308.7	-44.2
22ND	272.81	89.0	3.5	2580	1485	34.5	2.3	-1	-23	2110.3	-38.4	4.6	282.2	-42.6
23RD	285.14	90.1	2.3	2580	1485	34.9	1.5	-1	-23	2020.1	-40.7	4.1	256.7	-40.8
24TH	297.47	91.3	1.1	2580	1485	35.4	.7	-0	-24	1928.8	-41.8	3.6	232.4	-39.0
25TH	309.80	92.5	-.1	2580	1485	35.8	-.1	0	-24	1836.4	-41.7	3.1	209.2	-37.2
		93.6	-1.3	2580	1485	36.3	-.8	0	-25					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 180 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (2)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
26TH	322.13									1742.7	-40.4	2.6	187.1	-35.3
27TH	334.46	94.8	-2.4	2580	1485	36.7	-1.6	1	-25	1647.9	-38.0	2.1	166.2	-33.3
28TH	346.79	96.0	-3.6	2580	1485	37.2	-2.4	1	-26	1552.0	-34.4	1.6	146.5	-31.3
29TH	359.12	97.0	-4.1	2580	1485	37.6	-2.8	1	-26	1454.9	-30.2	1.2	127.9	-29.3
30TH	371.45	98.3	-4.1	2580	1485	38.1	-2.8	1	-26	1356.7	-26.2	.9	110.6	-27.2
31ST	383.78	99.5	-4.0	2580	1485	38.6	-2.7	1	-25	1257.2	-22.1	.6	94.5	-25.1
32ND	396.11	100.8	-4.0	2580	1485	39.1	-2.7	1	-25	1156.4	-18.1	.3	79.6	-23.0
33RD	408.44	102.0	-4.0	2580	1485	39.5	-2.7	1	-25	1054.4	-14.1	.1	66.0	-20.9
34TH	420.77	103.2	-3.9	2580	1485	40.0	-2.6	1	-25	951.2	-10.2	-.0	53.6	-18.8
35TH	433.10	104.0	-3.8	2580	1485	40.3	-2.6	1	-25	847.2	-6.4	-.1	42.5	-16.6
36TH	445.43	104.3	-3.2	2580	1485	40.4	-2.2	1	-25	742.9	-3.2	-.2	32.7	-14.5
37TH	457.76	104.6	-2.6	2580	1485	40.5	-1.8	1	-25	638.3	-.6	-.2	24.2	-12.4
38TH	470.09	104.9	-2.0	2580	1485	40.7	-1.4	1	-24	533.4	1.4	-.2	17.0	-10.3
39TH	482.42	105.2	-1.4	2580	1485	40.8	-.9	0	-24	428.2	2.8	-.2	11.0	-8.2
40TH	494.75	105.5	-.8	2580	1485	40.9	-.5	0	-24	322.7	3.6	-.1	6.4	-6.2
41ST	507.08	105.8	-.2	2580	1485	41.0	-.1	0	-23	216.9	3.8	-.1	3.1	-4.2
42ND	519.41	97.4	.8	2580	1485	37.7	.5	-0	-23	119.5	3.1	-.0	1.0	-2.3
TOP	536.41	119.5	3.1	3555	2046	33.6	1.5	-1	-24	0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 190 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
GRND	0.00									3393.0	-77.0	99.1	1005.5	-105.5
2ND	18.19	62.3	15.0	3984	2655	15.6	5.7	-4	-13	3330.7	-92.0	97.6	944.3	-104.8
3RD	32.19	48.6	11.0	3066	2043	15.8	5.4	-6	-20	3282.1	-103.1	96.2	898.0	-103.9
4TH	47.69	58.5	12.9	3395	2262	17.2	5.7	-8	-26	3223.6	-115.9	94.5	847.6	-102.6
5TH	60.69	51.8	13.8	2847	1897	18.2	7.3	-11	-31	3171.8	-129.7	92.9	806.0	-101.2
6TH	73.69	53.4	17.4	2847	1897	18.7	9.2	-15	-34	3118.4	-147.2	91.1	765.2	-99.6
7TH	86.69	54.9	20.8	2847	1897	19.3	10.9	-18	-36	3063.6	-167.9	89.1	725.0	-97.7
8TH	100.19	59.0	25.1	2955	1965	20.0	12.8	-21	-38	3004.5	-193.0	86.6	684.0	-95.5
9TH	112.52	87.2	25.6	2580	1485	33.8	17.3	-13	-32	2917.3	-218.7	84.1	647.5	-93.1
10TH	124.85	83.9	21.2	2580	1485	32.5	14.2	-11	-32	2833.4	-239.8	81.3	612.0	-90.7
11TH	137.18	81.0	17.7	2580	1485	31.4	11.9	-9	-31	2752.4	-257.5	78.2	577.6	-88.5
12TH	149.51	78.4	15.1	2580	1485	30.4	10.2	-8	-31	2674.0	-272.6	74.9	544.2	-86.5
13TH	161.84	75.9	12.5	2580	1485	29.4	8.4	-7	-31	2598.1	-285.2	71.5	511.7	-84.5
14TH	174.17	73.3	9.9	2580	1485	28.4	6.7	-6	-30	2524.8	-295.1	67.9	480.1	-82.6
15TH	186.50	70.7	7.3	2580	1485	27.4	4.9	-4	-30	2454.1	-302.5	64.2	449.4	-80.9
16TH	198.83	71.0	4.9	2580	1485	27.5	3.3	-3	-31	2383.1	-307.4	60.5	419.6	-79.1
17TH	211.16	72.2	2.7	2580	1485	28.0	1.8	-2	-32	2310.8	-310.1	56.7	390.6	-77.2
18TH	223.49	73.5	.4	2580	1485	28.5	.3	-0	-34	2237.3	-310.5	52.8	362.6	-75.1
19TH	235.82	74.7	-1.8	2580	1485	29.0	-1.2	1	-35	2162.6	-308.7	49.0	335.5	-73.0
20TH	248.15	76.0	-4.0	2580	1485	29.5	-2.7	3	-36	2086.6	-304.7	45.2	309.3	-70.8
21ST	260.48	77.2	-6.3	2580	1485	29.9	-4.2	4	-37	2009.4	-298.4	41.5	284.0	-68.4
22ND	272.81	78.4	-8.5	2580	1485	30.4	-5.7	5	-37	1931.0	-289.9	37.9	259.7	-66.0
23RD	285.14	79.9	-9.5	2580	1485	31.0	-6.4	6	-38	1851.0	-280.4	34.4	236.4	-63.4
24TH	297.47	81.5	-10.6	2580	1485	31.6	-7.1	7	-39	1769.6	-269.8	31.0	214.1	-60.8
25TH	309.80	83.0	-11.6	2580	1485	32.2	-7.8	8	-40	1686.6	-258.1	27.7	192.8	-58.0
		84.5	-12.7	2580	1485	32.7	-8.6	8	-41					

TABLE 7. SHEAR AND MOMENT DIAGRAM : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 190 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
26TH	322.13	86.0	-13.8	2580	1485	33.3	-9.3	9	-41	1602.1	-245.4	24.6	172.5	-55.1
27TH	334.46	87.5	-14.8	2580	1485	33.9	-10.0	10	-42	1516.2	-231.7	21.7	153.3	-52.1
28TH	346.79	88.7	-15.4	2580	1485	34.4	-10.4	10	-42	1428.6	-216.8	18.9	135.1	-49.0
29TH	359.12	89.9	-15.5	2580	1485	34.8	-10.5	10	-42	1340.0	-201.5	16.3	118.0	-45.8
30TH	371.45	91.1	-15.7	2580	1485	35.3	-10.6	10	-42	1250.1	-185.9	14.0	102.1	-42.6
31ST	383.78	92.3	-15.9	2580	1485	35.8	-10.7	10	-42	1159.0	-170.2	11.8	87.2	-39.4
32ND	396.11	93.5	-16.0	2580	1485	36.3	-10.8	10	-42	1066.7	-154.3	9.8	73.5	-36.1
33RD	408.44	94.8	-16.2	2580	1485	36.7	-10.9	10	-42	973.1	-138.3	8.0	60.9	-32.7
34TH	420.77	95.5	-16.3	2580	1485	37.0	-11.0	10	-42	878.4	-122.1	6.4	49.5	-29.3
35TH	433.10	96.0	-15.6	2580	1485	37.2	-10.5	9	-41	782.8	-105.9	4.9	39.3	-25.9
36TH	445.43	96.5	-14.8	2580	1485	37.4	-10.0	8	-41	686.8	-90.3	3.7	30.2	-22.6
37TH	457.76	97.0	-14.1	2580	1485	37.6	-9.5	8	-40	590.3	-75.5	2.7	22.3	-19.3
38TH	470.09	97.5	-13.4	2580	1485	37.8	-9.0	7	-39	493.3	-61.3	1.9	15.7	-16.0
39TH	482.42	97.9	-12.7	2580	1485	38.0	-8.6	7	-39	395.9	-47.9	1.2	10.2	-12.8
40TH	494.75	98.4	-12.0	2580	1485	38.2	-8.1	6	-38	297.9	-35.2	.7	5.9	-9.7
41ST	507.08	98.0	-10.8	2580	1485	34.9	-7.3	6	-39	199.5	-23.2	.3	2.8	-6.6
42ND	519.41	109.5	-12.4	3555	2046	30.8	-6.1	6	-41	109.5	-12.4	.1	.9	-3.7
TOP	536.41									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 200 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
GRND	0.00	46.0	7.3	3984	2655	11.5	2.7	-3	-14	2911.1	49.8	.0	896.6	-119.1
2ND	18.19	35.6	5.1	3066	2043	11.6	2.5	-4	-22	2865.2	42.5	.9	844.0	-118.5
3RD	32.19	43.5	6.7	3395	2262	12.8	3.0	-6	-27	2829.6	37.3	1.4	804.2	-117.9
4TH	47.69	38.8	7.8	2847	1897	13.6	4.1	-9	-33	2786.1	30.6	1.9	760.6	-116.9
5TH	60.69	39.8	9.6	2847	1897	14.0	5.1	-12	-36	2747.3	22.8	2.3	724.7	-115.8
6TH	73.69	40.7	11.1	2847	1897	14.3	5.9	-14	-38	2707.5	13.2	2.5	689.2	-114.5
7TH	86.69	43.7	13.2	2955	1965	14.8	6.7	-16	-40	2666.7	2.1	2.6	654.3	-113.2
8TH	100.19	67.9	13.9	2580	1485	26.3	9.4	-10	-37	2623.0	-11.1	2.6	618.6	-111.6
9TH	112.52	65.3	9.8	2580	1485	25.3	6.6	-8	-38	2555.1	-25.0	2.3	586.7	-109.5
10TH	124.85	63.1	6.5	2580	1485	24.4	4.4	-6	-40	2489.8	-34.8	2.0	555.6	-107.4
11TH	137.18	61.1	4.0	2580	1485	23.7	2.7	-4	-42	2426.7	-41.3	1.5	525.2	-105.3
12TH	149.51	59.2	1.5	2580	1485	22.9	1.0	-1	-44	2365.6	-45.3	1.0	495.7	-103.2
13TH	161.84	57.2	-1.1	2580	1485	22.2	-.7	1	-46	2306.5	-46.7	.4	466.9	-101.0
14TH	174.17	55.2	-3.6	2580	1485	21.4	-2.4	4	-47	2249.3	-45.7	-.2	438.8	-98.9
15TH	186.50	55.8	-4.9	2580	1485	21.6	-3.3	6	-49	2194.1	-42.1	-.7	411.4	-96.7
16TH	198.83	57.6	-5.0	2580	1485	22.3	-3.4	6	-50	2138.2	-37.1	-1.2	384.7	-94.5
17TH	211.16	59.4	-5.1	2580	1485	23.0	-3.5	6	-50	2080.6	-32.1	-1.6	358.7	-92.1
18TH	223.49	61.1	-5.3	2580	1485	23.7	-3.5	6	-51	2021.3	-27.0	-2.0	333.4	-89.7
19TH	235.82	62.9	-5.4	2580	1485	24.4	-3.6	6	-52	1960.1	-21.7	-2.3	308.9	-87.1
20TH	248.15	64.7	-5.5	2580	1485	25.1	-3.7	6	-52	1897.2	-16.3	-2.5	285.1	-84.4
21ST	260.48	66.4	-5.6	2580	1485	25.8	-3.7	6	-53	1832.6	-10.9	-2.7	262.1	-81.6
22ND	272.81	68.5	-5.0	2580	1485	26.5	-3.4	5	-53	1766.2	-5.3	-2.8	239.9	-78.7
23RD	285.14	70.5	-4.5	2580	1485	27.3	-3.0	5	-54	1697.7	-.3	-2.8	218.5	-75.7
24TH	297.47	72.6	-3.9	2580	1485	28.1	-2.6	4	-54	1627.1	4.2	-2.8	198.0	-72.5
25TH	309.80	74.7	-3.4	2580	1485	28.9	-2.3	3	-55	1554.5	8.1	-2.7	178.4	-69.3

TABLE 7. SHEAR AND MOMENT DIAGRAM 1: US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 200 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
26TH	322.13	76.7	-2.8	2580	1485	29.7	-1.9	3	-55	1479.8	11.5	-2.6	159.7	-66.0
27TH	334.46	78.8	-2.3	2580	1485	30.5	-1.5	2	-55	1403.1	14.3	-2.4	142.0	-62.5
28TH	346.79	80.5	-1.7	2580	1485	31.2	-1.1	2	-55	1324.3	16.6	-2.3	125.1	-58.9
29TH	359.12	82.2	-1.1	2580	1485	31.9	-.7	1	-54	1243.8	18.3	-2.0	109.3	-55.3
30TH	371.45	83.9	-.5	2580	1485	32.5	-.3	0	-54	1161.6	19.4	-1.8	94.5	-51.6
31ST	383.78	85.6	.2	2580	1485	33.2	.1	-0	-54	1077.7	19.8	-1.6	80.7	-47.9
32ND	396.11	87.2	.8	2580	1485	33.8	.5	-1	-53	992.2	19.6	-1.3	67.9	-44.2
33RD	408.44	88.9	1.4	2580	1485	34.5	1.0	-1	-53	904.9	18.8	-1.1	56.2	-40.4
34TH	420.77	90.1	2.0	2580	1485	34.9	1.3	-2	-53	816.0	17.4	-.9	45.6	-36.5
35TH	433.10	90.3	2.1	2580	1485	35.0	1.4	-2	-53	726.0	15.4	-.7	36.1	-32.6
36TH	445.43	90.6	2.2	2580	1485	35.1	1.5	-2	-53	635.6	13.4	-.5	27.7	-28.7
37TH	457.76	90.9	2.2	2580	1485	35.2	1.5	-2	-53	545.0	11.2	-.3	20.4	-24.8
38TH	470.09	91.2	2.3	2580	1485	35.3	1.6	-2	-53	454.1	8.9	-.2	14.3	-20.8
39TH	482.42	91.4	2.4	2580	1485	35.4	1.6	-2	-54	362.9	6.6	-.1	9.2	-16.8
40TH	494.75	91.7	2.5	2580	1485	35.6	1.7	-2	-54	271.5	4.2	-.0	5.3	-12.8
41ST	507.08	82.5	1.7	2580	1485	32.0	1.1	-2	-57	179.8	1.7	-.0	2.5	-8.8
42ND	519.41	97.3	-.0	3555	2046	27.4	-.0	0	-62	97.3	-.0	.0	.8	-4.9
TOP	536.41									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 210 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
GRND	0.00									1575.2	-144.4	37.0	494.3	-70.8
2ND	18.19	24.7	2.1	3984	2655	6.2	.8	-2	-19	1550.5	-146.5	34.4	465.8	-70.5
3RD	32.19	19.5	1.3	3066	2043	6.3	.6	-2	-25	1531.1	-147.8	32.3	444.3	-70.1
4TH	47.69	23.7	1.3	3395	2262	7.0	.6	-2	-27	1507.3	-149.0	30.0	420.7	-69.5
5TH	60.69	21.0	1.1	2847	1897	7.4	.6	-2	-29	1486.3	-150.2	28.1	401.3	-69.0
6TH	73.69	21.5	1.0	2847	1897	7.6	.5	-2	-29	1464.8	-151.2	26.1	382.1	-68.5
7TH	86.69	22.0	.9	2847	1897	7.7	.5	-2	-29	1442.8	-152.1	24.2	363.2	-68.0
8TH	100.19	23.5	.8	2955	1965	8.0	.4	-1	-30	1419.3	-152.8	22.1	343.9	-67.4
9TH	112.52	34.2	.5	2580	1485	13.3	.3	-1	-33	1385.1	-153.4	20.2	326.6	-66.5
10TH	124.85	32.7	-2.3	2580	1485	12.7	-1.5	3	-34	1352.4	-151.1	18.3	309.7	-65.6
11TH	137.18	31.5	-4.4	2580	1485	12.2	-3.0	7	-36	1320.8	-146.6	16.5	293.2	-64.6
12TH	149.51	30.5	-6.1	2580	1485	11.8	-4.1	10	-38	1290.3	-140.5	14.7	277.1	-63.7
13TH	161.84	29.5	-7.8	2580	1485	11.4	-5.2	14	-39	1260.8	-132.8	13.0	261.4	-62.6
14TH	174.17	28.5	-9.4	2580	1485	11.0	-6.4	18	-41	1232.4	-123.3	11.5	246.0	-61.6
15TH	186.50	27.4	-11.1	2580	1485	10.6	-7.5	23	-42	1205.0	-112.2	10.0	231.0	-60.5
16TH	198.83	27.8	-11.7	2580	1485	10.8	-7.9	25	-44	1177.2	-100.5	8.7	216.3	-59.3
17TH	211.16	28.9	-11.0	2580	1485	11.2	-7.4	24	-47	1148.2	-89.5	7.5	202.0	-58.0
18TH	223.49	30.1	-10.4	2580	1485	11.7	-7.0	23	-50	1118.2	-79.1	6.5	188.0	-56.6
19TH	235.82	31.2	-9.8	2580	1485	12.1	-6.6	22	-52	1087.0	-69.3	5.6	174.4	-55.2
20TH	248.15	32.3	-9.1	2580	1485	12.5	-6.1	21	-54	1054.7	-60.2	4.8	161.2	-53.6
21ST	260.48	33.5	-8.5	2580	1485	13.0	-5.7	19	-57	1021.2	-51.7	4.1	148.4	-52.0
22ND	272.81	34.6	-7.8	2580	1485	13.4	-5.3	18	-59	986.6	-43.9	3.5	136.0	-50.2
23RD	285.14	35.9	-7.1	2580	1485	13.9	-4.8	16	-60	950.7	-36.8	3.0	124.1	-48.4
24TH	297.47	37.2	-6.3	2580	1485	14.4	-4.3	14	-60	913.5	-30.4	2.6	112.6	-46.5
25TH	309.80	38.5	-5.6	2580	1485	14.9	-3.8	12	-61	875.0	-24.8	2.2	101.6	-44.5
		39.8	-4.8	2580	1485	15.4	-3.3	10	-62					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 210 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
26TH	322.13									835.2	-20.0	2.0	91.0	-42.5
27TH	334.46	41.1	-4.1	2580	1485	15.9	-2.8	8	-62	794.1	-15.9	1.7	81.0	-40.4
28TH	346.79	42.4	-3.3	2580	1485	16.4	-2.3	7	-63	751.8	-12.6	1.6	71.4	-38.2
29TH	359.12	43.8	-2.6	2580	1485	17.0	-1.8	5	-63	708.0	-9.9	1.4	62.4	-35.9
30TH	371.45	45.2	-1.9	2580	1485	17.5	-1.3	4	-62	662.8	-8.0	1.3	54.0	-33.6
31ST	383.78	46.6	-1.2	2580	1485	18.1	-.8	2	-62	616.2	-6.8	1.2	46.1	-31.2
32ND	396.11	48.0	-.5	2580	1485	18.6	-.4	1	-61	568.2	-6.2	1.1	38.8	-28.8
33RD	408.44	49.4	.2	2580	1485	19.2	.1	-0	-61	518.8	-6.4	1.1	32.1	-26.4
34TH	420.77	50.8	.8	2580	1485	19.7	.6	-1	-60	468.0	-7.2	1.0	26.0	-23.8
35TH	433.10	51.9	1.4	2580	1485	20.1	1.0	-2	-60	416.1	-8.7	.9	20.6	-21.3
36TH	445.43	52.1	1.0	2580	1485	20.2	.7	-2	-60	364.0	-9.7	.8	15.8	-18.7
37TH	457.76	52.3	.6	2580	1485	20.3	.4	-1	-61	311.8	-10.3	.7	11.6	-16.1
38TH	470.09	52.5	.2	2580	1485	20.3	.2	-0	-61	259.3	-10.6	.5	8.1	-13.5
39TH	482.42	52.7	-.1	2580	1485	20.4	-.1	0	-61	206.7	-10.4	.4	5.2	-10.9
40TH	494.75	52.9	-.5	2580	1485	20.5	-.4	1	-61	153.8	-9.9	.3	3.0	-8.2
41ST	507.08	53.1	-.9	2580	1485	20.6	-.6	1	-61	100.7	-9.0	.2	1.4	-5.6
42ND	519.41	47.0	-2.3	2580	1485	18.2	-1.6	4	-64	53.7	-6.7	.1	.5	-3.1
TOP	536.41	53.7	-6.7	3555	2046	15.1	-3.3	11	-69	0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAM : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 220 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		EGGEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
GRND	0.00	26.1	-1.3	3984	2655	6.5	-1.5	1	-16	1523.8	-563.9	162.4	457.0	-49.6
2ND	18.19	20.3	-2.3	3666	2043	6.6	-1.1	3	-19	1497.7	-562.6	152.1	429.5	-49.2
3RD	32.19	25.7	-4.5	3395	2262	7.6	-2.0	4	-17	1477.5	-560.3	144.3	408.7	-48.9
4TH	47.69	23.6	-5.5	2847	1897	8.3	-2.9	4	-14	1451.8	-555.8	135.6	386.0	-48.5
5TH	60.69	24.8	-6.5	2847	1897	8.7	-3.4	4	-11	1428.2	-550.3	128.4	367.3	-48.2
6TH	73.69	26.0	-7.5	2847	1897	9.1	-4.0	3	-8	1403.4	-543.8	121.3	348.9	-48.0
7TH	86.69	28.5	-8.9	2955	1965	9.6	-4.5	3	-6	1377.4	-536.3	114.3	330.8	-47.8
8TH	100.19	36.6	-8.8	2580	1485	14.2	-5.9	7	-22	1349.0	-527.4	107.1	312.4	-47.6
9TH	112.52	35.0	-11.8	2580	1485	13.6	-8.0	10	-22	1312.4	-518.7	100.7	296.0	-46.9
10TH	124.85	33.9	-14.0	2580	1485	13.1	-9.4	13	-23	1277.4	-506.8	94.3	280.0	-46.2
11TH	137.18	32.9	-15.7	2580	1485	12.7	-10.6	15	-23	1243.5	-492.8	88.2	264.5	-45.5
12TH	149.51	31.9	-17.3	2580	1485	12.4	-11.7	17	-24	1210.6	-477.1	82.2	249.4	-44.7
13TH	161.84	30.9	-19.0	2580	1485	12.0	-12.8	20	-24	1178.7	-459.8	76.4	234.6	-43.9
14TH	174.17	29.9	-20.7	2580	1485	11.6	-13.9	23	-24	1147.8	-440.8	70.9	220.3	-43.1
15TH	186.50	30.1	-21.2	2580	1485	11.7	-14.3	25	-26	1117.9	-420.1	65.6	206.3	-42.2
16TH	198.83	31.0	-20.5	2580	1485	12.0	-13.8	25	-27	1087.8	-398.9	60.5	192.7	-41.2
17TH	211.16	31.8	-19.9	2580	1485	12.3	-13.4	24	-29	1056.8	-378.3	55.7	179.5	-40.2
18TH	223.49	32.7	-19.2	2580	1485	12.7	-12.9	24	-31	1025.0	-358.5	51.2	166.7	-39.2
19TH	235.82	33.6	-18.5	2580	1485	13.0	-12.5	24	-32	992.3	-339.3	46.9	154.2	-38.1
20TH	248.15	34.4	-17.9	2580	1485	13.3	-12.0	23	-34	958.7	-320.8	42.8	142.2	-36.9
21ST	260.48	35.3	-17.2	2580	1485	13.7	-11.6	23	-35	924.3	-302.9	39.0	130.6	-35.7
22ND	272.81	36.1	-16.7	2580	1485	14.0	-11.3	23	-36	889.0	-285.7	35.3	119.4	-34.5
23RD	285.14	36.9	-16.2	2580	1485	14.3	-10.9	22	-37	852.9	-269.0	31.9	108.7	-33.2
24TH	297.47	37.7	-15.8	2580	1485	14.6	-10.6	22	-38	816.0	-252.8	28.7	98.4	-31.8
25TH	309.80	38.6	-15.3	2580	1485	14.9	-10.3	21	-39	778.3	-237.0	25.7	88.6	-30.4

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 220 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
26TH	322.13	39.4	-14.8	2580	1485	15.3	-10.0	20	-40	739.7	-221.7	22.8	79.2	-29.0
27TH	334.46	40.2	-14.3	2580	1485	15.6	-9.6	20	-41	700.3	-206.9	20.2	70.3	-27.5
28TH	346.79	40.9	-13.9	2580	1485	15.9	-9.4	19	-42	660.2	-192.6	17.7	61.9	-25.9
29TH	359.12	41.7	-13.6	2580	1485	16.2	-9.2	19	-43	619.2	-178.7	15.4	54.0	-24.4
30TH	371.45	42.4	-13.3	2580	1485	16.4	-9.0	18	-43	577.5	-165.0	13.3	46.7	-22.7
31ST	383.78	43.2	-13.0	2580	1485	16.7	-8.8	18	-44	535.1	-151.7	11.4	39.8	-21.1
32ND	396.11	43.9	-12.7	2580	1485	17.0	-8.6	17	-45	492.0	-138.7	9.6	33.5	-19.4
33RD	408.44	44.6	-12.4	2580	1485	17.3	-8.4	17	-45	448.1	-125.9	8.0	27.7	-17.6
34TH	420.77	45.1	-12.2	2580	1485	17.5	-8.2	17	-46	403.4	-113.5	6.5	22.4	-15.8
35TH	433.10	45.1	-12.2	2580	1485	17.5	-8.2	16	-45	358.4	-101.3	5.2	17.7	-14.0
36TH	445.43	45.1	-12.3	2580	1485	17.5	-8.3	16	-45	313.3	-89.1	4.0	13.6	-12.3
37TH	457.76	45.1	-12.3	2580	1485	17.5	-8.3	16	-44	268.1	-76.8	3.0	10.0	-10.5
38TH	470.09	45.1	-12.4	2580	1485	17.5	-8.3	16	-44	223.0	-64.5	2.1	7.0	-8.7
39TH	482.42	45.1	-12.4	2580	1485	17.5	-8.4	16	-44	177.9	-52.1	1.4	4.5	-7.0
40TH	494.75	45.2	-12.5	2580	1485	17.5	-8.4	16	-43	132.8	-39.7	.8	2.6	-5.2
41ST	507.08	40.3	-12.0	2580	1485	15.6	-8.1	17	-44	87.6	-27.2	.4	1.2	-3.5
42ND	519.41	47.3	-15.2	3555	2046	13.3	-7.4	20	-46	47.3	-15.2	.1	.4	-1.9
TOP	536.41									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 230 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
GRND	0.00									1280.1	-822.5	251.2	360.2	-20.9
2ND	18.19	26.9	-5.1	3984	2655	6.7	-1.9	3	-10	1253.2	-817.4	236.3	337.1	-20.6
3RD	32.19	22.7	-4.6	3066	2043	7.4	-2.2	3	-9	1230.5	-812.8	224.9	319.7	-20.4
4TH	47.69	29.2	-6.6	3395	2262	8.6	-2.9	2	-7	1201.3	-806.2	212.4	300.9	-20.3
5TH	60.69	26.4	-7.2	2847	1897	9.3	-3.8	2	-4	1174.9	-798.9	201.9	285.5	-20.2
6TH	73.69	27.6	-8.5	2847	1897	9.7	-4.5	1	-2	1147.3	-790.4	191.6	270.4	-20.1
7TH	86.69	28.8	-9.8	2847	1897	10.1	-5.2	0	-0	1118.5	-780.6	181.4	255.6	-20.1
8TH	100.19	31.2	-11.5	2955	1965	10.6	-5.8	-1	1	1087.3	-769.1	170.9	240.7	-20.1
9TH	112.52	33.2	-11.4	2580	1485	12.9	-7.7	7	-15	1054.1	-757.8	161.5	227.5	-19.7
10TH	124.85	31.4	-15.5	2580	1485	12.2	-10.4	8	-13	1022.7	-742.3	152.3	214.7	-19.3
11TH	137.18	30.3	-17.9	2580	1485	11.8	-12.1	9	-11	992.3	-724.4	143.2	202.3	-18.9
12TH	149.51	29.6	-19.4	2580	1485	11.5	-13.1	10	-11	962.8	-705.0	134.4	190.3	-18.5
13TH	161.84	28.8	-20.9	2580	1485	11.2	-14.0	10	-11	933.9	-684.2	125.9	178.6	-18.1
14TH	174.17	28.1	-22.3	2580	1485	10.9	-15.0	11	-10	905.8	-661.8	117.6	167.2	-17.7
15TH	186.50	27.4	-23.8	2580	1485	10.6	-16.0	11	-10	878.5	-638.1	109.5	156.2	-17.3
16TH	198.83	27.4	-24.4	2580	1485	10.6	-16.4	13	-11	851.1	-613.7	101.8	145.6	-16.9
17TH	211.16	27.8	-24.1	2580	1485	10.8	-16.2	13	-11	823.3	-589.6	94.4	135.2	-16.5
18TH	223.49	28.3	-23.8	2580	1485	11.0	-16.0	14	-12	795.0	-565.8	87.3	125.3	-16.0
19TH	235.82	28.8	-23.5	2580	1485	11.2	-15.8	14	-13	766.2	-542.4	80.5	115.6	-15.5
20TH	248.15	29.3	-23.2	2580	1485	11.4	-15.6	15	-14	736.9	-519.2	73.9	106.4	-14.9
21ST	260.48	29.8	-22.8	2580	1485	11.5	-15.4	15	-14	707.1	-496.4	67.6	97.5	-14.4
22ND	272.81	30.2	-22.5	2580	1485	11.7	-15.2	15	-15	676.9	-473.9	61.7	88.9	-13.8
23RD	285.14	30.4	-22.5	2580	1485	11.8	-15.1	15	-15	646.5	-451.4	56.0	80.8	-13.2
24TH	297.47	30.6	-22.4	2580	1485	11.9	-15.1	15	-15	615.9	-429.0	50.5	73.0	-12.6
25TH	309.80	30.8	-22.3	2580	1485	11.9	-15.0	15	-16	585.1	-406.7	45.4	65.6	-12.0
		31.0	-22.2	2580	1485	12.0	-15.0	15	-16					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 230 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
26TH	322.13									554.1	-384.4	40.5	58.6	-11.4
27TH	334.46	31.2	-22.2	2580	1485	12.1	-14.9	15	-16	522.9	-362.3	35.9	51.9	-10.8
28TH	346.79	31.4	-22.1	2580	1485	12.2	-14.9	15	-16	491.4	-340.2	31.6	45.7	-10.2
29TH	359.12	31.7	-22.1	2580	1485	12.3	-14.9	15	-16	459.7	-318.1	27.5	39.8	-9.6
30TH	371.45	32.0	-22.3	2580	1485	12.4	-15.0	15	-16	427.7	-295.8	23.7	34.3	-8.9
31ST	383.78	32.3	-22.4	2580	1485	12.5	-15.1	15	-17	395.3	-273.4	20.2	29.3	-8.3
32ND	396.11	32.6	-22.6	2580	1485	12.6	-15.2	16	-17	362.7	-250.8	17.0	24.6	-7.6
33RD	408.44	32.9	-22.7	2580	1485	12.8	-15.3	16	-17	329.8	-228.1	14.0	20.3	-6.9
34TH	420.77	33.2	-22.9	2580	1485	12.9	-15.4	16	-17	296.5	-205.2	11.4	16.5	-6.2
35TH	433.10	33.4	-23.0	2580	1485	12.9	-15.5	16	-17	263.2	-182.2	9.0	13.0	-5.5
36TH	445.43	33.3	-23.0	2580	1485	12.9	-15.5	16	-17	229.9	-159.1	6.9	10.0	-4.8
37TH	457.76	33.2	-23.0	2580	1485	12.9	-15.5	16	-17	196.7	-136.1	5.1	7.3	-4.1
38TH	470.09	33.2	-23.0	2580	1485	12.9	-15.5	16	-17	163.5	-113.1	3.5	5.1	-3.4
39TH	482.42	33.1	-23.0	2580	1485	12.8	-15.5	16	-17	130.4	-90.1	2.3	3.3	-2.7
40TH	494.75	33.0	-23.0	2580	1485	12.8	-15.5	16	-17	97.4	-67.1	1.3	1.9	-2.1
41ST	507.08	33.0	-23.0	2580	1485	12.8	-15.5	16	-17	64.4	-44.0	.6	.9	-1.4
42ND	519.41	29.4	-21.0	2580	1485	11.4	-14.1	16	-16	35.0	-23.1	.2	.3	-.8
TOP	536.41	35.0	-23.1	3555	2046	9.9	-11.3	16	-18	0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 240 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
GRND	0.00									824.0	-1073.4	340.2	205.8	15.0
2ND	18.19	22.1	-10.8	3984	2655	5.6	-4.1	0	-1	801.9	-1062.6	320.7	191.0	15.0
3RD	32.19	20.2	-7.1	3066	2043	6.6	-3.5	1	-3	781.7	-1055.5	305.9	180.0	15.0
4TH	47.69	27.1	-7.6	3395	2262	8.0	-3.3	1	-3	754.7	-1047.9	289.6	168.0	15.1
5TH	60.69	25.2	-7.0	2847	1897	8.8	-3.7	0	-0	729.5	-1041.0	276.0	158.4	15.1
6TH	73.69	26.6	-8.1	2847	1897	9.4	-4.3	-1	2	702.8	-1032.8	262.5	149.1	15.1
7TH	86.69	28.1	-9.3	2847	1897	9.9	-4.9	-2	5	674.8	-1023.5	249.2	140.1	14.9
8TH	100.19	30.6	-10.9	2955	1965	10.4	-5.5	-3	7	644.2	-1012.6	235.4	131.2	14.7
9TH	112.52	26.0	-10.6	2580	1485	10.1	-7.1	2	-3	618.2	-1002.1	223.0	123.5	14.8
10TH	124.85	24.2	-15.4	2580	1485	9.4	-10.3	-2	2	594.0	-986.7	210.8	116.0	14.8
11TH	137.18	23.0	-18.5	2580	1485	8.9	-12.5	-5	4	571.0	-968.2	198.7	108.8	14.6
12TH	149.51	22.3	-20.7	2580	1485	8.6	-13.9	-7	6	548.7	-947.5	186.9	101.9	14.4
13TH	161.84	21.5	-22.8	2580	1485	8.3	-15.3	-10	7	527.2	-924.7	175.3	95.3	14.2
14TH	174.17	20.8	-24.9	2580	1485	8.1	-16.8	-12	8	506.4	-899.8	164.1	88.9	13.9
15TH	186.50	20.0	-27.1	2580	1485	7.8	-18.2	-15	8	486.4	-872.8	153.2	82.8	13.5
16TH	198.83	19.4	-28.3	2580	1485	7.5	-19.1	-15	8	466.9	-844.4	142.6	76.9	13.1
17TH	211.16	19.2	-28.7	2580	1485	7.4	-19.3	-16	8	447.8	-815.7	132.3	71.3	12.7
18TH	223.49	18.9	-29.1	2580	1485	7.3	-19.6	-17	8	428.8	-786.7	122.5	65.8	12.3
19TH	235.82	18.6	-29.5	2580	1485	7.2	-19.8	-18	8	410.2	-757.2	113.0	60.7	11.9
20TH	248.15	18.4	-29.8	2580	1485	7.1	-20.1	-18	8	391.8	-727.4	103.8	55.7	11.4
21ST	260.48	18.1	-30.2	2580	1485	7.0	-20.3	-19	9	373.7	-697.2	95.0	51.0	10.9
22ND	272.81	17.8	-30.6	2580	1485	6.9	-20.6	-20	8	355.9	-666.6	86.6	46.5	10.4
23RD	285.14	17.6	-30.7	2580	1485	6.8	-20.7	-20	8	338.3	-635.9	78.6	42.2	9.9
24TH	297.47	17.3	-30.9	2580	1485	6.7	-20.8	-20	8	321.0	-605.0	70.9	38.2	9.4
25TH	309.80	17.1	-31.0	2580	1485	6.6	-20.9	-20	8	303.9	-574.0	63.7	34.3	8.9
		16.9	-31.1	2580	1485	6.5	-21.0	-20	8					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 240 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
26TH	322.13	16.6	-31.3	2580	1485	6.4	-21.1	-20	8	287.0	-542.9	56.8	30.7	8.4
27TH	334.46	16.4	-31.4	2580	1485	6.4	-21.2	-21	8	270.4	-511.7	50.3	27.2	7.9
28TH	346.79	16.4	-31.6	2580	1485	6.4	-21.3	-21	8	254.0	-480.2	44.2	24.0	7.4
29TH	359.12	16.4	-31.8	2580	1485	6.4	-21.4	-21	8	237.6	-448.7	38.4	21.0	6.9
30TH	371.45	16.4	-32.0	2580	1485	6.4	-21.6	-21	8	221.2	-416.8	33.1	18.1	6.4
31ST	383.78	16.5	-32.3	2580	1485	6.4	-21.7	-21	8	204.7	-384.8	28.2	15.5	5.9
32ND	396.11	16.5	-32.5	2580	1485	6.4	-21.9	-21	8	188.3	-352.5	23.6	13.1	5.4
33RD	408.44	16.5	-32.7	2580	1485	6.4	-22.0	-21	8	171.8	-320.0	19.5	10.9	4.9
34TH	420.77	16.6	-32.9	2580	1485	6.4	-22.2	-21	8	155.2	-287.3	15.7	8.9	4.4
35TH	433.10	16.7	-32.8	2580	1485	6.5	-22.1	-20	8	138.6	-254.4	12.4	7.0	3.8
36TH	445.43	16.8	-32.7	2580	1485	6.5	-22.0	-20	8	122.0	-221.6	9.4	5.4	3.3
37TH	457.76	16.9	-32.6	2580	1485	6.6	-22.0	-20	8	105.2	-188.9	6.9	4.0	2.8
38TH	470.09	17.0	-32.5	2580	1485	6.6	-21.9	-19	8	88.2	-156.2	4.8	2.8	2.3
39TH	482.42	17.1	-32.4	2580	1485	6.6	-21.8	-19	7	71.2	-123.7	3.1	1.9	1.8
40TH	494.75	17.3	-32.3	2580	1485	6.7	-21.8	-19	7	54.1	-91.3	1.7	1.1	1.3
41ST	507.08	15.9	-28.8	2580	1485	6.2	-19.4	-20	8	36.8	-59.0	.8	.5	.9
42ND	519.41	20.9	-30.2	3555	2046	5.9	-14.7	-15	8	20.9	-30.2	.3	.2	.4
TOP	536.41									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 230 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
GRND	0.00									420.2	-1174.7	372.8	82.7	43.1
2ND	18.19	15.1	-17.1	3984	2635	3.8	-6.4	-11	7	405.1	-1157.6	351.6	75.2	42.9
3RD	32.19	14.4	-11.6	3066	2043	4.7	-5.7	-5	5	390.8	-1146.0	335.5	69.7	42.8
4TH	47.69	20.0	-11.8	3395	2262	5.9	-5.2	-2	3	370.7	-1134.2	317.8	63.8	42.8
5TH	60.69	19.2	-10.0	2847	1897	6.7	-5.3	-2	3	351.6	-1124.2	303.1	59.1	42.7
6TH	73.69	20.6	-10.9	2847	1897	7.2	-5.8	-3	4	331.0	-1113.2	288.6	54.6	42.6
7TH	86.69	22.0	-11.9	2847	1897	7.7	-6.3	-4	5	309.0	-1101.3	274.2	50.5	42.5
8TH	100.19	24.2	-13.3	2955	1965	8.2	-6.8	-4	6	284.7	-1088.0	259.4	46.5	42.3
9TH	112.52	14.1	-11.8	2580	1485	5.5	-7.9	-6	5	270.6	-1076.2	246.1	43.0	42.2
10TH	124.85	13.2	-15.6	2580	1485	5.1	-10.5	-14	9	257.4	-1060.6	232.9	39.8	42.0
11TH	137.18	12.7	-18.4	2580	1485	4.9	-12.4	-20	10	244.7	-1042.2	219.9	36.7	41.7
12TH	149.51	12.4	-20.5	2580	1485	4.8	-13.8	-24	11	232.2	-1021.7	207.2	33.7	41.3
13TH	161.84	12.2	-22.6	2580	1485	4.7	-15.2	-28	11	220.1	-999.1	194.8	31.0	40.7
14TH	174.17	11.9	-24.7	2580	1485	4.6	-16.6	-31	11	208.2	-974.3	182.6	28.3	40.2
15TH	186.50	11.6	-26.8	2580	1485	4.5	-18.1	-34	11	196.5	-947.5	170.7	25.8	39.5
16TH	198.83	11.4	-28.2	2580	1485	4.4	-19.0	-37	11	185.2	-919.4	159.2	23.5	38.8
17TH	211.16	11.3	-28.7	2580	1485	4.4	-19.3	-40	12	173.8	-890.6	148.1	21.3	38.0
18TH	223.49	11.3	-29.3	2580	1485	4.4	-19.7	-43	12	162.6	-861.4	137.3	19.2	37.1
19TH	235.82	11.2	-29.8	2580	1485	4.4	-20.1	-46	13	151.3	-831.5	126.8	17.2	36.1
20TH	248.15	11.2	-30.4	2580	1485	4.3	-20.5	-49	13	140.2	-801.1	116.8	15.4	35.1
21ST	260.48	11.1	-30.9	2580	1485	4.3	-20.8	-51	14	129.0	-770.2	107.1	13.8	34.0
22ND	272.81	10.9	-31.5	2580	1485	4.2	-21.2	-54	14	118.1	-738.7	97.8	12.3	32.9
23RD	285.14	10.4	-31.9	2580	1485	4.0	-21.5	-56	14	107.8	-706.8	88.9	10.9	31.7
24TH	297.47	9.8	-32.2	2580	1485	3.8	-21.7	-58	13	98.0	-674.6	80.4	9.6	30.4
25TH	309.80	9.2	-32.6	2580	1485	3.6	-22.0	-60	13	88.7	-642.0	72.2	8.5	29.1
		8.7	-33.0	2580	1485	3.4	-22.2	-63	12					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 250 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (Z)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
26TH	322.13	8.1	-33.4	2580	1485	3.1	-22.5	-65	12	80.1	-609.0	64.5	7.4	27.8
27TH	334.46	7.5	-33.7	2580	1485	2.9	-22.7	-67	11	72.0	-575.6	57.2	6.5	26.4
28TH	346.79	6.9	-34.2	2580	1485	2.7	-23.0	-68	10	64.4	-541.9	50.3	5.6	24.9
29TH	359.12	6.2	-34.7	2580	1485	2.4	-23.4	-69	9	57.5	-507.7	43.9	4.9	23.5
30TH	371.45	5.5	-35.3	2580	1485	2.1	-23.8	-71	8	51.3	-472.9	37.8	4.2	21.9
31ST	383.78	4.8	-35.8	2580	1485	1.9	-24.1	-72	7	45.8	-437.7	32.2	3.6	20.4
32ND	396.11	4.1	-36.4	2580	1485	1.6	-24.5	-72	6	41.0	-401.8	27.0	3.1	18.8
33RD	408.44	3.4	-36.9	2580	1485	1.3	-24.9	-73	5	36.9	-365.5	22.3	2.6	17.2
34TH	420.77	3.0	-37.4	2580	1485	1.2	-25.2	-74	4	33.5	-328.5	18.0	2.2	15.5
35TH	433.10	3.0	-37.3	2580	1485	1.2	-25.1	-74	4	30.5	-291.2	14.2	1.8	13.8
36TH	445.43	3.0	-37.3	2580	1485	1.2	-25.1	-74	5	27.5	-253.8	10.8	1.4	12.1
37TH	457.76	3.1	-37.2	2580	1485	1.2	-25.1	-75	5	24.4	-216.5	7.9	1.1	10.4
38TH	470.09	3.1	-37.2	2580	1485	1.2	-25.0	-75	5	21.4	-179.3	5.5	.8	8.7
39TH	482.42	3.1	-37.1	2580	1485	1.2	-25.0	-75	5	18.3	-142.2	3.5	.6	7.0
40TH	494.75	3.2	-37.0	2580	1485	1.2	-25.0	-76	5	15.1	-105.1	2.0	.4	5.3
41ST	507.08	3.9	-33.1	2580	1485	1.5	-22.3	-79	7	11.9	-68.0	.9	.2	3.5
42ND	519.41	8.1	-34.9	3555	2046	2.3	-17.0	-85	15	8.1	-34.9	.3	.1	1.9
TOP	536.41									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 260 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
GRND	0.00									-107.5	-1314.2	407.4	-81.7	79.4
		8.4	-27.8	3984	2655	2.1	-10.5	-33	7					
2ND	18.19									-115.9	-1286.4	383.7	-79.6	78.8
		10.2	-18.6	3066	2043	3.3	-9.1	-23	9					
3RD	32.19									-126.1	-1267.9	365.8	-77.9	78.4
		15.6	-18.3	3395	2262	4.6	-8.1	-14	9					
4TH	47.69									-141.7	-1249.6	346.3	-75.9	78.2
		15.6	-14.9	2847	1897	5.5	-7.9	-11	8					
5TH	60.69									-157.2	-1234.7	330.2	-73.9	78.0
		17.1	-15.9	2847	1897	6.0	-8.4	-11	9					
6TH	73.69									-174.4	-1218.8	314.2	-71.8	77.7
		18.6	-16.9	2847	1897	6.5	-8.9	-11	9					
7TH	86.69									-193.0	-1201.9	298.5	-69.4	77.5
		20.7	-18.6	2955	1965	7.0	-9.5	-12	10					
8TH	100.19									-213.6	-1183.3	282.4	-66.6	77.2
		2.8	-15.1	2580	1485	1.1	-10.2	-69	10					
9TH	112.52									-216.5	-1168.2	267.9	-64.0	76.5
		2.1	-18.3	2580	1485	.8	-12.3	-71	6					
10TH	124.85									-218.5	-1149.9	253.6	-61.3	75.7
		1.7	-20.6	2580	1485	.6	-13.8	-74	4					
11TH	137.18									-220.2	-1129.3	239.6	-58.6	74.8
		1.5	-22.2	2580	1485	.6	-15.0	-77	4					
12TH	149.51									-221.7	-1107.1	225.8	-55.9	73.7
		1.3	-23.9	2580	1485	.5	-16.1	-79	3					
13TH	161.84									-222.9	-1083.2	212.3	-53.1	72.6
		1.1	-25.5	2580	1485	.4	-17.2	-81	3					
14TH	174.17									-224.0	-1057.7	199.1	-50.4	71.3
		.9	-27.2	2580	1485	.4	-18.3	-83	2					
15TH	186.50									-224.9	-1030.5	186.2	-47.6	69.9
		.2	-28.5	2580	1485	.1	-19.2	-86	0					
16TH	198.83									-225.1	-1002.0	173.7	-44.8	68.4
		-.6	-29.6	2580	1485	-.2	-19.9	-89	-1					
17TH	211.16									-224.5	-972.4	161.5	-42.0	66.8
		-1.4	-30.6	2580	1485	-.5	-20.6	-93	-3					
18TH	223.49									-223.2	-941.7	149.7	-39.3	65.1
		-2.2	-31.7	2580	1485	-.8	-21.3	-95	-5					
19TH	235.82									-221.0	-910.1	138.3	-36.6	63.2
		-3.0	-32.7	2580	1485	-1.1	-22.0	-98	-7					
20TH	248.15									-218.0	-877.3	127.3	-33.8	61.3
		-3.8	-33.8	2580	1485	-1.5	-22.8	-100	-8					
21ST	260.48									-214.3	-843.5	116.6	-31.2	59.2
		-4.6	-34.8	2580	1485	-1.8	-23.4	-101	-10					
22ND	272.81									-209.7	-808.7	106.5	-28.6	57.0
		-5.4	-35.3	2580	1485	-2.1	-23.7	-103	-12					
23RD	285.14									-204.3	-773.4	96.7	-26.0	54.7
		-6.1	-35.7	2580	1485	-2.4	-24.0	-104	-13					
24TH	297.47									-198.2	-737.8	87.4	-23.5	52.4
		-6.9	-36.1	2580	1485	-2.7	-24.3	-105	-15					
25TH	309.80									-191.3	-701.6	78.5	-21.1	50.0
		-7.7	-36.6	2580	1485	-3.0	-24.6	-106	-17					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 260 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (X)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
26TH	322.13	-8.4	-37.0	2580	1485	-3.3	-24.9	-107	-18	-183.7	-665.1	70.1	-18.8	47.5
27TH	334.46	-9.2	-37.4	2580	1485	-3.6	-25.2	-108	-20	-175.2	-628.1	62.1	-16.6	45.0
28TH	346.79	-9.9	-37.9	2580	1485	-3.8	-25.5	-108	-21	-166.0	-590.6	54.6	-14.5	42.4
29TH	359.12	-10.5	-38.4	2580	1485	-4.1	-25.8	-107	-22	-156.2	-552.7	47.6	-12.5	39.7
30TH	371.45	-11.2	-38.8	2580	1485	-4.3	-26.1	-107	-23	-145.7	-514.4	41.0	-10.7	37.0
31ST	383.78	-11.9	-39.3	2580	1485	-4.6	-26.5	-106	-24	-134.5	-475.5	34.9	-8.9	34.3
32ND	396.11	-12.5	-39.7	2580	1485	-4.9	-26.8	-106	-25	-122.6	-436.3	29.3	-7.3	31.5
33RD	408.44	-13.2	-40.2	2580	1485	-5.1	-27.1	-105	-26	-110.1	-396.5	24.1	-5.9	28.7
34TH	420.77	-13.5	-40.6	2580	1485	-5.2	-27.4	-105	-26	-96.9	-356.3	19.5	-4.6	25.9
35TH	433.10	-13.1	-40.6	2580	1485	-5.1	-27.3	-105	-25	-83.4	-315.7	15.3	-3.5	23.0
36TH	445.43	-12.7	-40.6	2580	1485	-4.9	-27.3	-106	-25	-70.4	-275.1	11.7	-2.6	20.1
37TH	457.76	-12.3	-40.6	2580	1485	-4.8	-27.3	-106	-24	-57.7	-234.5	8.6	-1.8	17.2
38TH	470.09	-11.9	-40.5	2580	1485	-4.6	-27.3	-106	-23	-45.4	-193.9	5.9	-1.1	14.4
39TH	482.42	-11.5	-40.5	2580	1485	-4.5	-27.3	-107	-23	-33.5	-153.4	3.8	-.7	11.5
40TH	494.75	-11.1	-40.5	2580	1485	-4.3	-27.3	-107	-22	-22.1	-112.9	2.1	-.3	8.7
41ST	507.08	-7.8	-35.9	2580	1485	-3.0	-24.2	-116	-19	-11.0	-72.4	1.0	-.1	5.8
42ND	519.41	-3.2	-36.6	3555	2046	-.9	-17.9	-141	-9	-3.2	-36.6	.3	-.0	3.2
TOP	536.41									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 270 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
GRND	0.00									-511.5	-1418.4	424.7	-189.1	84.7
		2.9	-37.8	3984	2655	.7	-14.2	-42	2					
2ND	18.19									-514.4	-1380.6	399.3	-179.8	83.7
		6.1	-25.9	3066	2043	2.0	-12.7	-38	7					
3RD	32.19									-520.5	-1354.7	380.1	-172.5	83.1
		11.2	-25.8	3395	2262	3.3	-11.4	-30	10					
4TH	47.69									-531.7	-1328.9	359.3	-164.4	82.6
		11.9	-20.9	2847	1897	4.2	-11.0	-24	10					
5TH	60.69									-543.7	-1308.1	342.2	-157.4	82.2
		13.3	-21.8	2847	1897	4.7	-11.5	-22	10					
6TH	73.69									-557.0	-1286.2	325.3	-150.2	81.8
		14.7	-22.9	2847	1897	5.2	-12.0	-20	10					
7TH	86.69									-571.7	-1263.4	308.8	-142.9	81.4
		16.4	-24.8	2955	1965	5.5	-12.6	-19	10					
8TH	100.19									-588.1	-1238.6	291.9	-135.1	80.9
		-9.7	-19.7	2580	1485	-3.8	-13.3	-81	-30					
9TH	112.52									-578.3	-1218.9	276.7	-127.9	79.7
		-10.9	-22.0	2580	1485	-4.2	-14.8	-78	-29					
10TH	124.85									-567.4	-1196.9	261.8	-120.8	78.4
		-11.9	-23.8	2580	1485	-4.6	-16.1	-77	-29					
11TH	137.18									-555.6	-1173.0	247.2	-113.9	77.0
		-12.7	-25.3	2580	1485	-4.9	-17.1	-77	-29					
12TH	149.51									-542.9	-1147.7	232.9	-107.1	75.5
		-13.5	-26.8	2580	1485	-5.2	-18.0	-77	-29					
13TH	161.84									-529.4	-1120.9	218.9	-100.5	74.0
		-14.4	-28.3	2580	1485	-5.6	-19.0	-77	-29					
14TH	174.17									-515.0	-1092.6	205.3	-94.1	72.3
		-15.2	-29.7	2580	1485	-5.9	-20.0	-77	-29					
15TH	186.50									-499.8	-1062.9	192.0	-87.8	70.5
		-15.8	-30.9	2580	1485	-6.1	-20.8	-77	-29					
16TH	198.83									-484.0	-1032.0	179.1	-81.7	68.7
		-16.2	-31.6	2580	1485	-6.3	-21.3	-78	-30					
17TH	211.16									-467.9	-1000.4	166.6	-75.9	66.8
		-16.5	-32.3	2580	1485	-6.4	-21.8	-79	-30					
18TH	223.49									-451.4	-968.1	154.4	-70.2	64.9
		-16.9	-33.1	2580	1485	-6.6	-22.3	-79	-30					
19TH	235.82									-434.4	-935.0	142.7	-64.7	62.9
		-17.3	-33.8	2580	1485	-6.7	-22.8	-80	-31					
20TH	248.15									-417.1	-901.2	131.4	-59.5	60.8
		-17.7	-34.5	2580	1485	-6.9	-23.3	-81	-31					
21ST	260.48									-399.5	-866.7	120.5	-54.5	58.6
		-18.0	-35.3	2580	1485	-7.0	-23.7	-82	-31					
22ND	272.81									-381.5	-831.4	110.0	-49.6	56.4
		-17.9	-35.7	2580	1485	-7.0	-24.0	-83	-31					
23RD	285.14									-363.5	-795.7	100.0	-45.0	54.1
		-17.9	-36.2	2580	1485	-6.9	-24.4	-85	-31					
24TH	297.47									-345.6	-759.6	90.4	-40.7	51.8
		-17.9	-36.6	2580	1485	-6.9	-24.7	-87	-31					
25TH	309.80									-327.8	-723.0	81.2	-36.5	49.4
		-17.8	-37.1	2580	1485	-6.9	-25.0	-88	-32					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 270 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
26TH	322.13									-310.0	-685.9	72.5	-32.6	46.9
27TH	334.46	-17.8	-37.5	2580	1485	-6.9	-25.3	-90	-32	-292.2	-648.4	64.3	-28.9	44.4
28TH	346.79	-17.7	-38.0	2580	1485	-6.9	-25.6	-91	-32	-274.4	-610.4	56.6	-25.4	41.8
29TH	359.12	-17.8	-38.5	2580	1485	-6.9	-25.9	-92	-32	-256.6	-571.9	49.3	-22.1	39.2
30TH	371.45	-17.9	-39.2	2580	1485	-7.0	-26.4	-92	-31	-238.7	-532.8	42.5	-19.1	36.6
31ST	383.78	-18.1	-39.8	2580	1485	-7.0	-26.8	-92	-31	-220.6	-493.0	36.1	-16.2	33.9
32ND	396.11	-18.2	-40.4	2580	1485	-7.0	-27.2	-92	-31	-202.4	-452.5	30.3	-13.6	31.1
33RD	408.44	-18.3	-41.1	2580	1485	-7.1	-27.7	-92	-31	-184.1	-411.4	25.0	-11.2	28.4
34TH	420.77	-18.4	-41.7	2580	1485	-7.1	-28.1	-92	-30	-165.7	-369.7	20.2	-9.1	25.6
35TH	433.10	-18.6	-42.3	2580	1485	-7.2	-28.5	-92	-30	-147.1	-327.4	15.9	-7.1	22.7
36TH	445.43	-18.7	-42.3	2580	1485	-7.3	-28.5	-92	-30	-128.4	-285.2	12.1	-5.5	19.9
37TH	457.76	-18.8	-42.2	2580	1485	-7.3	-28.4	-92	-30	-109.6	-243.0	8.8	-4.0	17.0
38TH	470.09	-18.9	-42.2	2580	1485	-7.3	-28.4	-92	-31	-90.7	-200.8	6.1	-2.8	14.2
39TH	482.42	-19.0	-42.1	2580	1485	-7.4	-28.4	-91	-31	-71.7	-158.7	3.9	-1.7	11.4
40TH	494.75	-19.1	-42.1	2580	1485	-7.4	-28.3	-91	-31	-52.6	-116.6	2.2	-1.0	8.6
41ST	507.08	-19.2	-42.0	2580	1485	-7.4	-28.3	-91	-31	-33.5	-74.6	1.0	-.5	5.7
42ND	519.41	-16.7	-37.1	2580	1485	-6.5	-25.0	-97	-32	-16.8	-37.4	.3	-.1	3.1
TOP	536.41	-16.8	-37.4	3555	2046	-4.7	-18.3	-113	-38	0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 280 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
GRND	0.00									-831.5	-1645.3	482.9	-263.7	56.5
2ND	18.19	-2.4	-47.4	3984	2655	-6	-17.8	-42	-2	-829.0	-1597.9	453.4	-248.6	55.3
3RD	32.19	2.0	-33.4	3066	2043	7	-16.3	-39	2	-831.0	-1564.5	431.2	-237.0	54.5
4TH	47.69	6.3	-34.2	3395	2262	1.9	-15.1	-35	5	-837.4	-1530.3	407.2	-224.1	53.8
5TH	60.69	7.3	-28.0	2847	1897	2.6	-14.0	-31	6	-844.7	-1502.3	387.5	-213.1	53.2
6TH	73.69	8.3	-28.9	2847	1897	2.9	-15.2	-29	6	-853.0	-1473.4	368.2	-202.1	52.6
7TH	86.69	9.2	-29.8	2847	1897	3.2	-15.7	-28	6	-862.2	-1443.6	349.2	-191.0	52.1
8TH	100.19	10.1	-31.9	2955	1965	3.4	-16.2	-27	6	-872.3	-1411.7	330.0	-179.3	51.5
9TH	112.52	-22.1	-24.6	2580	1485	-8.6	-16.6	-51	-34	-850.2	-1387.1	312.7	-168.6	50.1
10TH	124.85	-23.5	-26.3	2580	1485	-9.1	-17.7	-49	-32	-826.7	-1360.7	295.8	-158.3	48.7
11TH	137.18	-25.0	-27.9	2580	1485	-9.7	-18.8	-47	-31	-801.7	-1332.8	279.2	-148.3	47.3
12TH	149.51	-26.4	-29.4	2580	1485	-10.2	-19.8	-45	-30	-775.3	-1303.4	262.9	-138.5	45.8
13TH	161.84	-27.7	-30.8	2580	1485	-10.8	-20.8	-44	-29	-747.6	-1272.6	247.0	-129.1	44.3
14TH	174.17	-29.1	-32.3	2580	1485	-11.3	-21.0	-43	-29	-718.5	-1240.3	231.5	-120.1	42.8
15TH	186.50	-30.5	-33.8	2580	1485	-11.8	-22.7	-41	-28	-687.9	-1206.5	216.4	-111.4	41.3
16TH	198.83	-30.7	-35.0	2580	1485	-11.9	-23.6	-41	-27	-657.2	-1171.5	201.8	-103.1	39.7
17TH	211.16	-30.4	-36.0	2580	1485	-11.8	-24.3	-40	-25	-626.8	-1135.4	187.6	-95.2	38.2
18TH	223.49	-30.1	-37.0	2580	1485	-11.7	-24.9	-40	-24	-596.7	-1098.4	173.8	-87.7	36.7
19TH	235.82	-29.8	-38.0	2580	1485	-11.6	-25.6	-39	-23	-566.9	-1060.4	160.5	-80.5	35.2
20TH	248.15	-29.6	-39.0	2580	1485	-11.5	-26.3	-39	-22	-537.3	-1021.3	147.6	-73.7	33.8
21ST	260.48	-29.3	-40.0	2580	1485	-11.3	-27.0	-38	-21	-508.0	-981.3	135.3	-67.3	32.3
22ND	272.81	-28.8	-41.0	2580	1485	-11.2	-27.6	-38	-20	-479.2	-940.3	123.5	-61.2	30.9
23RD	285.14	-27.8	-41.5	2580	1485	-10.8	-27.9	-39	-19	-451.4	-898.8	112.1	-55.4	29.5
24TH	297.47	-26.7	-41.9	2580	1485	-10.4	-28.2	-40	-19	-424.7	-856.9	101.3	-50.0	28.1
25TH	309.80	-25.7	-42.3	2580	1485	-10.0	-28.5	-40	-18	-399.0	-814.6	91.0	-45.0	26.6
		-24.6	-42.7	2580	1485	-9.5	-28.8	-41	-18					

TABLE 7. SHEAR AND MOMENT DIAGRAM : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 280 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
26TH	322.13	-23.6	-43.1	2580	1485	-9.1	-29.0	-42	-17	-374.4	-771.9	81.2	-40.2	25.2
27TH	334.46	-22.5	-43.6	2580	1485	-8.7	-29.3	-43	-16	-350.8	-728.8	72.0	-35.7	23.8
28TH	346.79	-21.9	-44.1	2580	1485	-8.5	-29.7	-43	-16	-328.3	-685.2	63.2	-31.5	22.3
29TH	359.12	-21.5	-44.6	2580	1485	-8.3	-30.0	-44	-16	-306.4	-641.2	55.1	-27.6	20.9
30TH	371.45	-21.1	-45.2	2580	1485	-8.2	-30.4	-44	-15	-284.9	-596.5	47.4	-24.0	19.4
31ST	383.78	-20.6	-45.7	2580	1485	-8.0	-30.8	-45	-15	-263.8	-551.4	40.4	-20.6	18.0
32ND	396.11	-20.2	-46.3	2580	1485	-7.8	-31.2	-45	-15	-243.2	-505.6	33.8	-17.5	16.5
33RD	408.44	-19.7	-46.9	2580	1485	-7.6	-31.6	-45	-14	-223.0	-459.3	27.9	-14.6	14.9
34TH	420.77	-19.8	-47.4	2580	1485	-7.7	-31.9	-45	-14	-203.3	-412.5	22.5	-12.0	13.4
35TH	433.10	-20.4	-47.2	2580	1485	-7.9	-31.8	-45	-14	-183.5	-365.1	17.7	-9.6	11.9
36TH	445.43	-21.0	-47.1	2580	1485	-8.2	-31.7	-44	-15	-163.0	-317.9	13.5	-7.4	10.4
37TH	457.76	-21.6	-46.9	2580	1485	-8.4	-31.6	-44	-15	-142.0	-270.8	9.9	-5.6	8.8
38TH	470.09	-22.2	-46.8	2580	1485	-8.6	-31.5	-43	-15	-120.4	-223.9	6.8	-3.9	7.3
39TH	482.42	-22.8	-46.7	2580	1485	-8.9	-31.4	-43	-15	-98.1	-177.1	4.4	-2.6	5.8
40TH	494.75	-23.4	-46.5	2580	1485	-9.1	-31.3	-42	-16	-75.3	-130.4	2.5	-1.5	4.3
41ST	507.08	-23.0	-41.3	2580	1485	-8.9	-27.8	-41	-17	-51.9	-83.9	1.1	-.7	2.8
42ND	519.41	-28.9	-42.6	3555	2046	-8.1	-20.8	-39	-19	-28.9	-42.6	.4	-.2	1.5
TOP	536.41									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 290 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
GRND	0.00									-1274.0	-1975.2	564.8	-390.9	48.4
2ND	18.19	-9.4	-63.2	3984	2655	-2.4	-23.8	-39	-4	-1264.6	-1912.0	529.5	-367.8	46.9
3RD	32.19	-3.5	-45.7	3066	2043	-1.1	-22.4	-39	-2	-1261.2	-1866.3	503.0	-350.1	45.8
4TH	47.69	-.3	-48.3	3395	2262	-.1	-21.4	-38	-0	-1260.8	-1818.0	474.5	-330.6	44.7
5TH	60.69	1.4	-40.0	2847	1897	.5	-21.1	-36	1	-1262.2	-1777.9	451.1	-314.2	43.8
6TH	73.69	2.3	-40.7	2847	1897	.8	-21.5	-34	1	-1264.5	-1737.2	428.2	-297.8	42.9
7TH	86.69	3.2	-41.4	2847	1897	1.1	-21.8	-33	2	-1267.6	-1695.8	405.9	-281.3	42.1
8TH	100.19	3.6	-43.7	2955	1965	1.2	-22.2	-32	2	-1271.3	-1652.1	383.3	-264.2	41.2
9TH	112.52	-33.9	-33.0	2580	1485	-13.1	-22.2	-34	-26	-1237.4	-1619.1	363.2	-248.7	39.8
10TH	124.85	-35.1	-34.1	2580	1485	-13.6	-23.0	-32	-25	-1202.3	-1585.0	343.4	-233.7	38.5
11TH	137.18	-36.3	-35.3	2580	1485	-14.1	-23.8	-31	-24	-1165.9	-1549.7	324.1	-219.1	37.1
12TH	149.51	-37.5	-36.4	2580	1485	-14.6	-24.5	-30	-23	-1128.4	-1513.3	305.2	-204.9	35.7
13TH	161.84	-38.7	-37.5	2580	1485	-15.0	-25.3	-29	-22	-1089.6	-1475.7	286.8	-191.2	34.3
14TH	174.17	-40.0	-38.7	2580	1485	-15.5	-26.0	-28	-22	-1049.7	-1437.1	268.8	-178.1	32.9
15TH	186.50	-41.2	-39.8	2580	1485	-16.0	-26.8	-28	-21	-1008.5	-1397.3	251.3	-165.4	31.6
16TH	198.83	-41.5	-40.8	2580	1485	-16.1	-27.5	-27	-20	-967.0	-1356.5	234.4	-153.2	30.2
17TH	211.16	-41.6	-41.8	2580	1485	-16.1	-28.2	-26	-19	-925.4	-1314.6	217.9	-141.5	28.9
18TH	223.49	-41.7	-42.8	2580	1485	-16.2	-28.8	-26	-19	-883.7	-1271.8	202.0	-130.4	27.5
19TH	235.82	-41.8	-43.8	2580	1485	-16.2	-29.5	-25	-18	-841.9	-1228.0	186.5	-119.7	26.3
20TH	248.15	-41.9	-44.8	2580	1485	-16.2	-30.2	-24	-17	-800.0	-1183.2	171.7	-109.6	25.0
21ST	260.48	-42.0	-45.8	2580	1485	-16.3	-30.8	-24	-16	-758.1	-1137.4	157.4	-100.0	23.8
22ND	272.81	-41.7	-46.8	2580	1485	-16.2	-31.5	-23	-15	-716.4	-1090.7	143.6	-90.9	22.6
23RD	285.14	-40.3	-47.5	2580	1485	-15.6	-32.0	-23	-15	-676.1	-1043.2	130.5	-82.3	21.5
24TH	297.47	-38.9	-48.1	2580	1485	-15.1	-32.4	-23	-14	-637.2	-995.1	117.9	-74.2	20.3
25TH	309.80	-37.5	-48.8	2580	1485	-14.5	-32.9	-24	-13	-599.7	-946.3	105.9	-66.6	19.2
		-36.1	-49.5	2580	1485	-14.0	-33.3	-24	-13					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 290 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
26TH	322.13									-563.5	-896.7	94.6	-59.4	18.1
27TH	334.46	-34.8	-50.2	2580	1485	-13.5	-33.8	-24	-12	-520.8	-846.5	83.8	-52.7	17.1
28TH	346.79	-33.4	-50.9	2580	1485	-12.9	-34.3	-24	-12	-495.4	-795.6	73.7	-46.4	16.0
29TH	359.12	-33.0	-51.5	2580	1485	-12.8	-34.7	-24	-11	-462.4	-744.2	64.2	-40.5	14.9
30TH	371.45	-32.8	-51.9	2580	1485	-12.7	-35.0	-24	-11	-429.5	-692.2	55.4	-35.0	13.9
31ST	383.78	-32.6	-52.4	2580	1485	-12.6	-35.3	-24	-11	-396.9	-639.8	47.2	-29.9	12.8
32ND	396.11	-32.4	-52.9	2580	1485	-12.6	-35.6	-24	-11	-364.5	-586.9	39.6	-25.2	11.7
33RD	408.44	-32.2	-53.4	2580	1485	-12.5	-35.9	-24	-11	-332.3	-533.5	32.7	-20.9	10.7
34TH	420.77	-32.0	-53.9	2580	1485	-12.4	-36.3	-24	-11	-300.2	-479.6	26.4	-17.0	9.6
35TH	433.10	-32.1	-54.3	2580	1485	-12.5	-36.5	-24	-11	-268.1	-425.4	20.9	-13.5	8.5
36TH	445.43	-32.4	-54.2	2580	1485	-12.6	-36.5	-24	-11	-235.6	-371.2	15.9	-10.4	7.4
37TH	457.76	-32.8	-54.1	2580	1485	-12.7	-36.5	-24	-11	-202.9	-317.0	11.7	-7.7	6.3
38TH	470.09	-33.1	-54.1	2580	1485	-12.8	-36.4	-24	-11	-169.8	-263.0	8.1	-5.4	5.3
39TH	482.42	-33.4	-54.0	2580	1485	-12.9	-36.4	-24	-11	-136.5	-209.0	5.2	-3.5	4.2
40TH	494.75	-33.7	-53.9	2580	1485	-13.1	-36.3	-24	-11	-102.8	-155.0	3.0	-2.0	3.1
41ST	507.08	-34.0	-53.9	2580	1485	-13.2	-36.3	-24	-11	-68.8	-101.2	1.4	-1.0	2.0
42ND	519.41	-31.6	-48.6	2580	1485	-12.2	-32.8	-23	-11	-37.2	-52.5	.4	-.3	1.0
TOP	536.41	-37.2	-52.5	3555	2046	-10.5	-25.7	-22	-11	0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAM : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 300 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
GRND	0.00	-20.3	-69.6	3984	2655	-5.1	-26.2	-32	-7	-1894.5	-2067.1	582.6	-579.7	44.9
2ND	18.19	-12.3	-51.2	3066	2043	-4.0	-25.1	-33	-6	-1874.2	-1997.5	545.7	-545.4	43.4
3RD	32.19	-10.7	-54.6	3395	2262	-3.2	-24.2	-33	-5	-1861.9	-1946.3	518.1	-519.2	42.3
4TH	47.69	-7.7	-45.3	2847	1897	-2.7	-23.9	-32	-4	-1851.2	-1891.7	488.3	-490.5	41.2
5TH	60.69	-7.0	-45.6	2847	1897	-2.4	-24.0	-30	-3	-1843.5	-1846.4	464.0	-466.5	40.3
6TH	73.69	-6.2	-45.9	2847	1897	-2.2	-24.2	-29	-3	-1836.5	-1800.8	440.3	-442.5	39.4
7TH	86.69	-6.3	-47.8	2955	1965	-2.1	-24.3	-27	-3	-1830.3	-1755.0	417.2	-418.7	38.6
8TH	100.19	-45.1	-36.4	2580	1485	-17.5	-24.5	-23	-21	-1824.0	-1707.1	393.8	-394.0	37.8
9TH	112.52	-46.6	-37.0	2580	1485	-18.1	-24.9	-22	-20	-1778.9	-1670.8	373.0	-371.8	36.5
10TH	124.85	-48.2	-37.8	2580	1485	-18.7	-25.4	-21	-20	-1732.3	-1633.7	352.6	-350.2	35.2
11TH	137.18	-49.7	-38.6	2580	1485	-19.3	-26.0	-20	-20	-1684.1	-1595.9	332.7	-329.1	34.0
12TH	149.51	-51.3	-39.4	2580	1485	-19.9	-26.5	-20	-19	-1634.4	-1557.4	313.3	-308.7	32.7
13TH	161.84	-52.9	-40.2	2580	1485	-20.5	-27.1	-19	-19	-1583.1	-1518.0	294.3	-288.8	31.4
14TH	174.17	-54.4	-41.0	2580	1485	-21.1	-27.6	-19	-19	-1536.2	-1477.8	275.9	-269.6	30.1
15TH	186.50	-54.9	-41.9	2580	1485	-21.3	-28.2	-18	-18	-1475.8	-1436.9	257.9	-251.1	28.8
16TH	198.83	-55.0	-43.1	2580	1485	-21.3	-29.0	-18	-17	-1420.9	-1394.9	240.4	-233.2	27.5
17TH	211.16	-55.2	-44.2	2580	1485	-21.4	-29.8	-18	-16	-1365.9	-1351.9	223.5	-216.1	26.2
18TH	223.49	-55.3	-45.3	2580	1485	-21.4	-30.5	-17	-16	-1310.7	-1307.7	207.1	-199.6	25.0
19TH	235.82	-55.4	-46.4	2580	1485	-21.5	-31.3	-17	-15	-1255.4	-1262.4	191.3	-183.7	23.9
20TH	248.15	-55.6	-47.6	2580	1485	-21.5	-32.0	-16	-14	-1200.0	-1215.9	176.0	-168.6	22.7
21ST	260.48	-55.5	-48.7	2580	1485	-21.5	-32.8	-16	-13	-1144.4	-1168.4	161.3	-154.1	21.6
22ND	272.81	-54.7	-49.2	2580	1485	-21.2	-33.2	-16	-13	-1088.9	-1119.7	147.2	-140.4	20.5
23RD	285.14	-53.8	-49.8	2580	1485	-20.9	-33.5	-15	-12	-1034.2	-1070.5	133.7	-127.3	19.5
24TH	297.47	-53.0	-50.4	2580	1485	-20.5	-33.9	-15	-12	-980.4	-1020.7	120.8	-114.9	18.5
25TH	309.80	-52.1	-50.9	2580	1485	-20.2	-34.3	-15	-11	-927.4	-970.3	108.5	-103.1	17.5

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 300 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
26TH	322.13									-875.3	-919.4	96.9	-92.0	16.5
		-51.3	-51.5	2580	1485	-19.9	-34.7	-15	-11					
27TH	334.46									-824.1	-867.9	85.8	-81.5	15.6
		-50.4	-52.0	2580	1485	-19.5	-35.0	-15	-11					
28TH	346.79									-773.6	-815.9	75.5	-71.7	14.7
		-50.6	-52.6	2580	1485	-19.6	-35.4	-15	-11					
29TH	359.12									-723.0	-763.2	65.7	-62.4	13.8
		-50.9	-53.2	2580	1485	-19.7	-35.8	-15	-11					
30TH	371.45									-672.1	-710.0	56.6	-53.8	12.8
		-51.3	-53.8	2580	1485	-19.9	-36.2	-15	-11					
31ST	383.78									-620.8	-656.2	48.2	-45.9	11.9
		-51.6	-54.4	2580	1485	-20.0	-36.6	-15	-11					
32ND	396.11									-569.2	-601.9	40.5	-38.5	10.9
		-52.0	-55.0	2580	1485	-20.2	-37.0	-16	-11					
33RD	408.44									-517.2	-546.9	33.4	-31.8	9.9
		-52.3	-55.5	2580	1485	-20.3	-37.4	-16	-11					
34TH	420.77									-464.9	-491.3	27.0	-25.8	8.9
		-52.6	-56.1	2580	1485	-20.4	-37.8	-16	-11					
35TH	433.10									-412.3	-435.3	21.3	-20.4	7.9
		-52.4	-55.9	2580	1485	-20.3	-37.6	-16	-11					
36TH	445.43									-360.0	-379.4	16.2	-15.6	6.9
		-52.2	-55.7	2580	1485	-20.2	-37.5	-16	-11					
37TH	457.76									-307.8	-323.7	11.9	-11.5	5.8
		-52.0	-55.6	2580	1485	-20.1	-37.4	-16	-11					
38TH	470.09									-255.8	-268.1	8.3	-8.0	4.8
		-51.8	-55.4	2580	1485	-20.1	-37.3	-16	-11					
39TH	482.42									-204.0	-212.7	5.3	-5.2	3.8
		-51.6	-55.2	2580	1485	-20.0	-37.2	-16	-11					
40TH	494.75									-152.4	-157.5	3.0	-3.0	2.8
		-51.4	-55.1	2580	1485	-19.9	-37.1	-16	-11					
41ST	507.08									-101.0	-102.4	1.4	-1.4	1.8
		-46.8	-49.5	2580	1485	-18.1	-33.3	-16	-11					
42ND	519.41									-54.2	-52.9	.4	-.5	.9
		-54.2	-52.9	3555	2046	-15.3	-25.9	-14	-10					
TOP	536.41									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 310 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
GRND	0.00									-2398.0	-2117.7	583.2	-728.9	38.4
2ND	18.19	-34.5	-77.3	3984	2655	-8.6	-29.1	-26	-9	-2363.5	-2040.4	545.4	-685.6	36.9
3RD	32.19	-23.0	-57.6	3066	2043	-7.5	-28.2	-27	-8	-2340.5	-1982.8	517.2	-652.7	35.8
4TH	47.69	-21.9	-62.0	3395	2262	-6.5	-27.4	-28	-7	-2318.6	-1920.8	487.0	-616.5	34.6
5TH	60.69	-17.4	-51.3	2847	1897	-6.1	-27.0	-28	-7	-2301.2	-1869.5	462.3	-586.5	33.7
6TH	73.69	-17.2	-51.1	2847	1897	-6.0	-26.9	-26	-7	-2284.0	-1818.4	438.4	-556.7	32.7
7TH	86.69	-16.9	-50.9	2847	1897	-5.9	-26.8	-25	-6	-2267.1	-1767.5	415.0	-527.1	31.9
8TH	100.19	-17.9	-52.5	2955	1965	-6.1	-26.7	-23	-6	-2249.2	-1715.1	391.5	-496.6	31.1
9TH	112.52	-35.3	-38.7	2580	1485	-21.4	-26.0	-14	-15	-2193.9	-1676.4	370.6	-469.3	30.1
10TH	124.85	-36.7	-39.2	2580	1485	-22.0	-26.4	-13	-14	-2137.2	-1637.2	350.2	-442.6	29.1
11TH	137.18	-38.2	-39.9	2580	1485	-22.6	-26.9	-13	-14	-2078.9	-1597.3	330.3	-416.6	28.1
12TH	149.51	-39.7	-40.7	2580	1485	-23.2	-27.4	-13	-14	-2019.2	-1556.6	310.8	-391.3	27.1
13TH	161.84	-61.3	-41.4	2580	1485	-23.8	-27.9	-13	-14	-1957.9	-1515.2	291.9	-366.8	26.0
14TH	174.17	-62.8	-42.2	2580	1485	-24.3	-28.4	-13	-15	-1895.1	-1473.0	273.5	-343.0	24.9
15TH	186.50	-64.3	-43.0	2580	1485	-24.9	-29.0	-13	-15	-1830.8	-1430.0	255.6	-320.1	23.8
16TH	198.83	-64.4	-43.7	2580	1485	-25.0	-29.4	-13	-14	-1766.3	-1386.2	238.2	-297.9	22.7
17TH	211.16	-64.1	-44.4	2580	1485	-24.8	-29.9	-12	-13	-1702.2	-1341.8	221.4	-276.5	21.7
18TH	223.49	-63.8	-45.1	2580	1485	-24.7	-30.3	-12	-12	-1638.5	-1296.8	205.1	-255.9	20.7
19TH	235.82	-63.4	-45.7	2580	1485	-24.6	-30.8	-11	-12	-1575.1	-1251.1	189.4	-236.1	19.8
20TH	248.15	-63.1	-46.4	2580	1485	-24.4	-31.2	-11	-11	-1512.0	-1204.7	174.3	-217.1	18.9
21ST	260.48	-62.7	-47.0	2580	1485	-24.3	-31.7	-10	-10	-1449.3	-1157.6	159.7	-198.8	18.1
22ND	272.81	-62.6	-47.7	2580	1485	-24.3	-32.1	-10	-10	-1386.7	-1109.9	145.7	-181.3	17.3
23RD	285.14	-63.0	-48.4	2580	1485	-24.4	-32.6	-10	-10	-1323.7	-1061.5	132.3	-164.6	16.5
24TH	297.47	-63.4	-49.1	2580	1485	-24.6	-33.1	-10	-10	-1260.4	-1012.4	119.5	-148.7	15.7
25TH	309.80	-63.8	-49.8	2580	1485	-24.7	-33.6	-10	-9	-1196.6	-962.5	107.4	-133.5	14.9
		-64.2	-50.5	2580	1485	-24.9	-34.0	-10	-9					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 310 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
26TH	322.13	-64.6	-51.2	2580	1485	-25.0	-34.5	-10	-9	-1132.4	-912.0	95.8	-119.2	14.1
27TH	334.46	-65.0	-51.9	2580	1485	-25.2	-35.0	-10	-9	-1067.8	-860.8	84.9	-105.6	13.3
28TH	346.79	-65.5	-52.6	2580	1485	-25.4	-35.4	-10	-9	-1002.8	-808.8	74.6	-92.8	12.5
29TH	359.12	-66.0	-53.1	2580	1485	-25.6	-35.8	-10	-9	-937.3	-756.3	64.9	-80.9	11.7
30TH	371.45	-66.5	-53.6	2580	1485	-25.8	-36.1	-10	-9	-871.4	-703.2	55.9	-69.7	10.9
31ST	383.78	-67.0	-54.2	2580	1485	-26.0	-36.5	-10	-9	-804.9	-649.5	47.6	-59.4	10.0
32ND	396.11	-67.5	-54.7	2580	1485	-26.2	-36.9	-10	-9	-737.9	-595.4	39.9	-49.9	9.2
33RD	408.44	-68.0	-55.3	2580	1485	-26.4	-37.2	-10	-9	-670.4	-540.6	32.9	-41.2	8.4
34TH	420.77	-68.3	-55.7	2580	1485	-26.5	-37.5	-10	-9	-602.4	-485.4	26.6	-33.4	7.5
35TH	433.10	-68.0	-55.4	2580	1485	-26.4	-37.3	-10	-9	-534.1	-429.7	21.0	-26.3	6.7
36TH	445.43	-67.7	-55.2	2580	1485	-26.2	-37.2	-10	-9	-466.1	-374.2	16.0	-20.2	5.8
37TH	457.76	-67.4	-54.9	2580	1485	-26.1	-37.0	-10	-9	-398.4	-319.0	11.7	-14.9	5.0
38TH	470.09	-67.2	-54.6	2580	1485	-26.0	-36.8	-10	-9	-331.0	-264.1	8.1	-10.4	4.1
39TH	482.42	-66.9	-54.4	2580	1485	-25.9	-36.6	-10	-9	-263.8	-209.5	5.2	-6.7	3.3
40TH	494.75	-66.6	-54.1	2580	1485	-25.8	-36.4	-10	-9	-196.9	-155.1	3.0	-3.8	2.4
41ST	507.08	-60.3	-48.7	2580	1485	-23.4	-32.8	-10	-10	-130.3	-101.0	1.4	-1.8	1.6
42ND	519.41	-70.0	-52.3	3555	2046	-19.7	-25.6	-9	-9	-70.0	-52.3	.4	-.6	.8
TOP	536.41									0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 320 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 92 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
GRND	0.00	-45.4	-81.8	3984	2655	-11.4	-30.8	-20	-8	-2774.7	-2072.5	554.7	-840.6	27.5
2ND	18.19	-31.3	-61.2	3066	2043	-10.2	-29.9	-22	-8	-2729.4	-1990.7	517.7	-790.5	26.2
3RD	32.19	-32.1	-66.4	3395	2262	-9.4	-29.4	-23	-8	-2698.1	-1929.5	490.3	-752.5	25.1
4TH	47.69	-26.4	-55.3	2847	1897	-9.3	-29.2	-22	-8	-2666.0	-1863.1	460.9	-711.0	24.0
5TH	60.69	-26.2	-55.0	2847	1897	-9.2	-29.0	-21	-7	-2639.6	-1807.8	437.0	-676.5	23.1
6TH	73.69	-25.9	-54.5	2847	1897	-9.1	-28.7	-20	-7	-2613.5	-1752.8	413.9	-642.3	22.2
7TH	86.69	-27.2	-56.1	2955	1965	-9.2	-28.5	-18	-7	-2587.6	-1698.3	391.4	-608.5	21.4
8TH	100.19	-61.3	-41.2	2580	1485	-23.8	-27.7	-10	-11	-2560.3	-1642.2	368.9	-573.8	20.6
9TH	112.52	-62.5	-41.1	2580	1485	-24.2	-27.7	-9	-10	-2499.0	-1601.0	348.9	-542.6	19.9
10TH	124.85	-63.8	-41.2	2580	1485	-24.7	-27.8	-8	-10	-2436.5	-1560.0	329.4	-512.2	19.1
11TH	137.18	-65.1	-41.5	2580	1485	-25.2	-27.9	-8	-9	-2372.7	-1518.7	310.4	-482.5	18.4
12TH	149.51	-66.4	-41.8	2580	1485	-25.7	-28.1	-8	-9	-2307.6	-1477.2	291.9	-453.7	17.7
13TH	161.84	-67.7	-42.0	2580	1485	-26.2	-28.3	-8	-9	-2241.3	-1435.5	274.0	-425.6	17.0
14TH	174.17	-69.0	-42.3	2580	1485	-26.7	-28.5	-7	-9	-2173.6	-1393.4	256.6	-398.4	16.3
15TH	186.50	-69.5	-42.7	2580	1485	-26.9	-28.8	-7	-8	-2104.6	-1351.1	239.6	-372.0	15.6
16TH	198.83	-69.8	-43.2	2580	1485	-27.0	-29.1	-7	-8	-2035.1	-1308.4	223.2	-346.5	14.9
17TH	211.16	-70.0	-43.7	2580	1485	-27.1	-29.4	-7	-8	-1965.3	-1265.2	207.4	-321.8	14.3
18TH	223.49	-70.3	-44.2	2580	1485	-27.2	-29.8	-6	-7	-1895.3	-1221.5	192.0	-298.0	13.7
19TH	235.82	-70.5	-44.7	2580	1485	-27.3	-30.1	-6	-7	-1825.0	-1177.3	177.3	-275.1	13.1
20TH	248.15	-70.8	-45.2	2580	1485	-27.4	-30.4	-6	-7	-1754.5	-1132.6	163.0	-253.0	12.5
21ST	260.48	-71.2	-45.7	2580	1485	-27.6	-30.8	-6	-7	-1683.7	-1087.4	149.3	-231.8	11.9
22ND	272.81	-71.8	-46.2	2580	1485	-27.8	-31.1	-6	-6	-1612.5	-1041.8	136.2	-211.5	11.4
23RD	285.14	-72.5	-46.7	2580	1485	-28.1	-31.5	-6	-6	-1540.7	-995.5	123.6	-192.1	10.9
24TH	297.47	-73.1	-47.3	2580	1485	-28.3	-31.8	-6	-6	-1468.3	-948.8	111.7	-173.5	10.3
25TH	309.80	-73.8	-47.8	2580	1485	-28.6	-32.2	-6	-6	-1395.2	-901.5	100.2	-155.9	9.8

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 320 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
26TH	322.13									-1321.4	-853.7	89.4	-139.1	9.2
27TH	334.46	-74.4	-48.3	2580	1485	-28.8	-32.6	-6	-6	-1247.0	-805.4	79.2	-123.3	8.7
28TH	346.79	-75.0	-48.9	2580	1485	-29.1	-32.9	-6	-6	-1172.0	-756.5	69.6	-108.4	8.1
29TH	359.12	-75.9	-49.4	2580	1485	-29.4	-33.3	-5	-6	-1096.1	-707.1	60.5	-94.4	7.6
30TH	371.45	-76.7	-49.9	2580	1485	-29.7	-33.6	-5	-6	-1019.4	-657.2	52.1	-81.4	7.0
31ST	383.78	-77.6	-50.4	2580	1485	-30.1	-34.0	-5	-6	-941.9	-606.8	44.3	-69.3	6.5
32ND	396.11	-78.4	-50.9	2580	1485	-30.4	-34.3	-5	-6	-863.5	-555.8	37.2	-58.1	5.9
33RD	408.44	-79.2	-51.4	2580	1485	-30.7	-34.6	-5	-6	-784.2	-504.4	30.6	-48.0	5.4
34TH	420.77	-80.1	-51.9	2580	1485	-31.0	-35.0	-5	-6	-704.1	-452.5	24.7	-38.8	4.8
35TH	433.10	-80.5	-52.4	2580	1485	-31.2	-35.3	-5	-6	-623.6	-400.1	19.5	-30.6	4.3
36TH	445.43	-80.1	-52.0	2580	1485	-31.0	-35.0	-5	-6	-543.6	-348.1	14.9	-23.4	3.7
37TH	457.76	-79.6	-51.6	2580	1485	-30.9	-34.8	-5	-6	-464.0	-296.5	10.9	-17.2	3.2
38TH	470.09	-79.2	-51.2	2580	1485	-30.7	-34.5	-5	-6	-384.8	-245.3	7.6	-12.0	2.6
39TH	482.42	-78.8	-50.9	2580	1485	-30.5	-34.3	-5	-6	-306.0	-194.4	4.8	-7.7	2.1
40TH	494.75	-78.3	-50.5	2580	1485	-30.4	-34.0	-5	-6	-227.7	-143.9	2.8	-4.4	1.5
41ST	507.08	-77.9	-50.1	2580	1485	-30.2	-33.8	-5	-6	-149.8	-93.8	1.3	-2.1	1.0
42ND	519.41	-69.7	-45.1	2580	1485	-27.0	-30.4	-5	-6	-80.0	-48.6	.4	-.7	.5
TOP	536.41	-80.0	-48.6	3555	2046	-22.5	-23.8	-4	-5	0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS 1 US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 330 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
GRND	0.00	-53.2	-83.4	3984	2655	-13.4	-31.4	-16	-8	-2997.9	-1928.9	499.6	-909.6	13.2
2ND	18.19	-37.0	-62.6	3066	2043	-12.1	-30.6	-18	-8	-2944.7	-1845.5	465.2	-855.5	14.1
3RD	32.19	-38.3	-68.2	3395	2262	-11.3	-30.1	-20	-8	-2907.7	-1782.9	439.8	-814.6	13.1
4TH	47.69	-31.5	-56.7	2847	1897	-11.1	-29.9	-20	-8	-2869.4	-1714.8	412.7	-769.8	12.0
5TH	60.69	-31.1	-56.1	2847	1897	-10.9	-29.6	-18	-7	-2837.9	-1658.0	390.8	-732.7	11.1
6TH	73.69	-30.6	-55.3	2847	1897	-10.7	-29.2	-16	-7	-2806.8	-1601.9	369.6	-696.0	10.3
7TH	86.69	-31.8	-56.5	2955	1965	-10.8	-28.7	-14	-6	-2776.2	-1546.6	349.1	-659.7	9.6
8TH	100.19	-63.7	-41.1	2580	1485	-24.7	-27.7	-7	-8	-2744.4	-1490.1	328.6	-622.4	9.0
9TH	112.52	-64.8	-40.6	2580	1485	-25.1	-27.3	-6	-7	-2680.7	-1449.0	310.5	-589.0	8.4
10TH	124.85	-65.9	-40.4	2580	1485	-25.6	-27.2	-6	-7	-2616.0	-1408.4	292.9	-556.3	7.8
11TH	137.18	-67.2	-40.3	2580	1485	-26.0	-27.1	-5	-7	-2550.0	-1368.0	275.8	-524.5	7.3
12TH	149.51	-68.4	-40.1	2580	1485	-26.5	-27.0	-5	-6	-2482.9	-1327.8	259.2	-493.5	6.8
13TH	161.84	-69.6	-40.0	2580	1485	-27.0	-27.0	-5	-6	-2414.5	-1287.6	243.0	-463.3	6.4
14TH	174.17	-70.8	-39.9	2580	1485	-27.5	-26.9	-4	-6	-2344.9	-1247.6	227.4	-433.9	5.9
15TH	186.50	-71.7	-40.0	2580	1485	-27.8	-26.9	-4	-5	-2274.0	-1207.7	212.3	-405.4	5.5
16TH	198.83	-72.4	-40.2	2580	1485	-28.1	-27.1	-3	-5	-2202.4	-1167.7	197.6	-377.9	5.1
17TH	211.16	-73.1	-40.4	2580	1485	-28.3	-27.2	-3	-4	-2130.0	-1127.4	183.5	-351.1	4.7
18TH	223.49	-73.8	-40.7	2580	1485	-28.6	-27.4	-3	-4	-2056.9	-1087.0	169.8	-325.3	4.4
19TH	235.82	-74.6	-40.9	2580	1485	-28.9	-27.5	-2	-3	-1983.0	-1046.3	156.7	-300.4	4.1
20TH	248.15	-75.3	-41.1	2580	1485	-29.2	-27.7	-2	-3	-1908.4	-1005.4	144.0	-276.4	3.9
21ST	260.48	-76.1	-41.4	2580	1485	-29.5	-27.9	-2	-2	-1833.1	-964.3	131.9	-253.4	3.7
22ND	272.81	-77.0	-41.7	2580	1485	-29.8	-28.1	-2	-2	-1757.1	-922.9	120.3	-231.2	3.5
23RD	285.14	-77.9	-42.1	2580	1485	-30.2	-28.3	-2	-2	-1680.1	-881.2	109.1	-210.0	3.3
24TH	297.47	-78.8	-42.4	2580	1485	-30.5	-28.6	-2	-2	-1602.2	-839.1	98.5	-189.8	3.1
25TH	309.80	-79.7	-42.8	2580	1485	-30.9	-28.8	-2	-2	-1523.4	-796.7	88.4	-170.5	2.9

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 330 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
26TH	322.13									-1443.7	-753.9	78.9	-152.2	2.7
27TH	334.46	-80.6	-43.1	2580	1485	-31.3	-29.1	-2	-2	-1363.0	-710.8	69.9	-134.9	2.5
28TH	346.79	-81.5	-43.5	2580	1485	-31.6	-29.3	-2	-2	-1281.5	-667.3	61.4	-118.6	2.3
29TH	359.12	-82.5	-43.9	2580	1485	-32.0	-29.5	-2	-2	-1199.0	-623.4	53.4	-103.3	2.1
30TH	371.45	-83.6	-44.2	2580	1485	-32.4	-29.8	-2	-2	-1115.4	-579.2	46.0	-89.1	1.9
31ST	383.78	-84.6	-44.6	2580	1485	-32.8	-30.0	-2	-2	-1030.8	-534.6	39.1	-75.8	1.7
32ND	396.11	-85.6	-44.9	2580	1485	-33.2	-30.3	-2	-2	-945.2	-489.7	32.8	-63.7	1.5
33RD	408.44	-86.6	-45.3	2580	1485	-33.6	-30.5	-1	-2	-858.6	-444.4	27.0	-52.5	1.3
34TH	420.77	-87.6	-45.6	2580	1485	-34.0	-30.7	-1	-2	-771.0	-398.8	21.8	-42.5	1.1
35TH	433.10	-88.1	-45.9	2580	1485	-34.1	-30.9	-1	-2	-682.9	-352.9	17.2	-33.5	.9
36TH	445.43	-87.6	-45.6	2580	1485	-34.0	-30.7	-1	-2	-595.3	-307.2	13.1	-25.7	.8
37TH	457.76	-87.2	-45.4	2580	1485	-33.8	-30.6	-1	-2	-508.2	-261.9	9.6	-18.9	.6
38TH	470.09	-86.7	-45.1	2580	1485	-33.6	-30.4	-1	-2	-421.5	-216.8	6.7	-13.1	.5
39TH	482.42	-86.2	-44.8	2580	1485	-33.4	-30.2	-1	-2	-335.2	-172.0	4.3	-8.5	.3
40TH	494.75	-85.8	-44.5	2580	1485	-33.2	-30.0	-1	-1	-249.5	-127.4	2.4	-4.9	.2
41ST	507.08	-85.3	-44.3	2580	1485	-33.1	-29.8	-1	-1	-164.2	-83.2	1.1	-2.3	.1
42ND	519.41	-76.3	-39.9	2580	1485	-29.6	-26.9	-1	-1	-87.9	-43.2	.4	-.7	-.0
TOP	536.41	-87.9	-43.2	3555	2046	-24.7	-21.1	0	0	0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 340 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (X)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
GRND	0.00									-3065.0	-1586.5	384.4	-915.7	-4.0
2ND	18.19	-59.2	-81.2	3984	2655	-14.8	-30.6	-7	-4	-3005.8	-1505.3	356.2	-860.5	-4.5
3RD	32.19	-41.1	-61.8	3066	2043	-13.4	-30.2	-9	-4	-2964.7	-1443.5	335.6	-818.7	-5.0
4TH	47.69	-41.2	-67.2	3395	2262	-12.1	-29.7	-10	-5	-2923.5	-1376.3	313.8	-773.0	-5.6
5TH	60.69	-33.7	-55.2	2847	1897	-11.8	-29.1	-11	-5	-2889.8	-1321.0	296.2	-735.3	-6.1
6TH	73.69	-33.3	-53.6	2847	1897	-11.7	-28.2	-9	-4	-2856.5	-1267.5	279.4	-697.9	-6.5
7TH	86.69	-32.9	-51.8	2847	1897	-11.6	-27.3	-6	-3	-2823.6	-1215.7	263.3	-661.0	-6.7
8TH	100.19	-34.3	-51.7	2955	1965	-11.6	-26.3	-4	-2	-2789.4	-1163.9	247.2	-623.1	-6.9
9TH	112.52	-67.3	-36.5	2580	1485	-26.1	-24.5	-2	-3	-2722.1	-1127.5	233.1	-589.1	-7.1
10TH	124.85	-68.5	-35.6	2580	1485	-26.6	-24.0	-1	-2	-2653.5	-1091.8	219.4	-556.0	-7.3
11TH	137.18	-69.9	-35.1	2580	1485	-27.1	-23.6	-1	-2	-2583.6	-1056.8	206.1	-523.7	-7.4
12TH	149.51	-71.3	-34.7	2580	1485	-27.6	-23.4	-1	-1	-2512.3	-1022.1	193.3	-492.3	-7.5
13TH	161.84	-72.7	-34.3	2580	1485	-28.2	-23.1	-1	-1	-2439.6	-987.8	180.9	-461.8	-7.5
14TH	174.17	-74.1	-33.9	2580	1485	-28.7	-22.8	-0	-0	-2365.5	-953.9	169.0	-432.1	-7.6
15TH	186.50	-75.5	-33.5	2580	1485	-29.3	-22.6	-0	-0	-2290.1	-920.4	157.4	-403.4	-7.6
16TH	198.83	-76.0	-33.3	2580	1485	-29.5	-22.4	0	0	-2214.1	-887.0	146.3	-375.7	-7.6
17TH	211.16	-76.3	-33.3	2580	1485	-29.6	-22.4	0	1	-2137.8	-853.7	135.5	-348.8	-7.5
18TH	223.49	-76.6	-33.3	2580	1485	-29.7	-22.4	1	1	-2061.2	-820.4	125.2	-322.9	-7.4
19TH	235.82	-76.9	-33.3	2580	1485	-29.8	-22.4	1	2	-1984.3	-787.1	115.3	-298.0	-7.3
20TH	248.15	-77.2	-33.3	2580	1485	-29.9	-22.4	1	2	-1907.2	-753.8	105.8	-274.0	-7.1
21ST	260.48	-77.4	-33.3	2580	1485	-30.0	-22.4	1	2	-1829.7	-720.5	96.7	-251.0	-7.0
22ND	272.81	-77.9	-33.3	2580	1485	-30.2	-22.4	2	3	-1751.9	-687.2	88.0	-228.9	-6.7
23RD	285.14	-78.7	-33.3	2580	1485	-30.5	-22.4	2	3	-1673.2	-654.0	79.8	-207.8	-6.5
24TH	297.47	-79.5	-33.2	2580	1485	-30.8	-22.4	2	3	-1593.7	-620.7	71.9	-187.6	-6.3
25TH	309.80	-80.3	-33.2	2580	1485	-31.1	-22.4	2	3	-1513.4	-587.5	64.5	-168.5	-6.0
		-81.1	-33.2	2580	1485	-31.4	-22.3	2	4					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 340 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
26TH	322.13									-1432.3	-554.4	57.4	-150.3	-5.7
27TH	334.46	-81.9	-33.2	2580	1485	-31.7	-22.3	2	4	-1350.5	-521.2	50.8	-133.2	-5.4
28TH	346.79	-82.7	-33.1	2580	1485	-32.1	-22.3	2	4	-1267.8	-488.1	44.6	-117.0	-5.1
29TH	359.12	-83.3	-33.1	2580	1485	-32.3	-22.3	2	4	-1184.4	-454.9	38.8	-101.9	-4.8
30TH	371.45	-83.9	-33.2	2580	1485	-32.5	-22.3	2	4	-1100.5	-421.8	33.3	-87.8	-4.5
31ST	383.78	-84.5	-33.2	2580	1485	-32.8	-22.4	2	4	-1016.0	-388.5	28.4	-74.8	-4.2
32ND	396.11	-85.1	-33.3	2580	1485	-33.0	-22.4	2	4	-930.9	-355.3	23.8	-62.8	-3.9
33RD	408.44	-85.7	-33.3	2580	1485	-33.2	-22.4	2	4	-845.2	-322.0	19.6	-51.8	-3.5
34TH	420.77	-86.3	-33.4	2580	1485	-33.4	-22.5	2	4	-759.0	-288.6	15.8	-41.9	-3.2
35TH	433.10	-86.5	-33.4	2580	1485	-33.5	-22.5	2	4	-672.5	-255.2	12.5	-33.1	-2.9
36TH	445.43	-86.6	-33.1	2580	1485	-33.3	-22.3	2	4	-586.4	-222.1	9.5	-25.3	-2.5
37TH	457.76	-85.6	-32.8	2580	1485	-33.2	-22.1	2	4	-500.9	-189.3	7.0	-18.6	-2.2
38TH	470.09	-85.1	-32.5	2580	1485	-33.0	-21.9	2	4	-415.7	-156.8	4.9	-13.0	-1.8
39TH	482.42	-84.7	-32.3	2580	1485	-32.8	-21.7	2	4	-331.1	-124.5	3.1	-8.4	-1.5
40TH	494.75	-84.2	-32.0	2580	1485	-32.7	-21.5	2	4	-246.8	-92.5	1.8	-4.8	-1.1
41ST	507.08	-83.8	-31.7	2580	1485	-32.5	-21.4	2	4	-163.0	-60.8	.8	-2.3	-.8
42ND	519.41	-75.2	-28.8	2580	1485	-29.2	-19.4	2	4	-87.8	-32.0	.3	-.7	-.5
TOP	536.41	-87.8	-32.0	3555	2046	-24.7	-15.6	3	6	0.0	0.0	0.0	0.0	0.0

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 350 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
GRND	0.00	-64.1	-76.5	3984	2635	-16.1	-28.8	1	0	-3039.8	-1167.8	251.2	-893.2	-23.1
2ND	18.19	-44.2	-58.1	3066	2043	-14.4	-28.4	-1	-1	-2975.7	-1091.3	230.6	-838.4	-23.1
3RD	32.19	-44.6	-63.3	3395	2262	-13.1	-28.0	-2	-1	-2931.5	-1033.2	215.7	-797.1	-23.1
4TH	47.69	-36.7	-51.9	2847	1897	-12.9	-27.3	-1	-1	-2886.9	-969.9	200.2	-752.0	-23.3
5TH	60.69	-36.2	-49.4	2847	1897	-12.7	-26.1	1	1	-2850.2	-918.0	187.9	-714.7	-23.3
6TH	73.69	-35.6	-46.8	2847	1897	-12.5	-24.7	5	3	-2814.0	-868.6	176.3	-677.9	-23.3
7TH	86.69	-37.0	-45.7	2955	1965	-12.5	-23.3	8	5	-2778.4	-821.7	165.3	-641.5	-23.0
8TH	100.19	-70.8	-31.4	2580	1485	-27.4	-21.1	1	2	-2741.4	-776.0	154.6	-604.3	-22.7
9TH	112.52	-71.6	-29.9	2580	1485	-27.7	-20.2	2	3	-2670.6	-744.7	145.2	-570.9	-22.5
10TH	124.85	-72.5	-28.8	2580	1485	-27.7	-20.2	2	3	-2599.0	-714.7	136.2	-538.4	-22.3
11TH	137.18	-72.5	-28.8	2580	1485	-28.1	-19.4	2	4	-2526.5	-685.9	127.6	-506.8	-22.1
12TH	149.51	-73.5	-27.8	2580	1485	-28.5	-18.7	2	4	-2453.0	-658.1	119.3	-476.1	-21.8
13TH	161.84	-74.5	-26.8	2580	1485	-28.9	-18.1	2	4	-2378.6	-631.3	111.3	-446.3	-21.5
14TH	174.17	-75.5	-25.8	2580	1485	-29.2	-17.4	2	5	-2303.1	-605.5	103.7	-417.5	-21.2
15TH	186.50	-76.4	-24.8	2580	1485	-29.6	-16.7	2	5	-2226.7	-580.7	96.4	-389.6	-20.9
16TH	198.83	-76.6	-24.1	2580	1485	-29.7	-16.2	3	6	-2150.1	-556.6	89.4	-362.6	-20.4
17TH	211.16	-76.7	-23.7	2580	1485	-29.7	-16.0	3	7	-2073.4	-532.9	82.7	-336.5	-20.0
18TH	223.49	-76.7	-23.3	2580	1485	-29.7	-15.7	3	7	-1996.7	-509.6	76.2	-311.4	-19.5
19TH	235.82	-76.7	-22.9	2580	1485	-29.7	-15.4	3	8	-1920.0	-486.7	70.1	-287.3	-18.9
20TH	248.15	-76.7	-22.5	2580	1485	-29.7	-15.1	4	9	-1843.3	-464.2	64.2	-264.1	-18.3
21ST	260.48	-76.7	-22.0	2580	1485	-29.7	-14.8	4	10	-1766.6	-442.2	58.6	-241.8	-17.6
22ND	272.81	-76.9	-21.6	2580	1485	-29.8	-14.6	4	10	-1689.7	-420.5	53.3	-220.5	-16.9
23RD	285.14	-77.4	-21.5	2580	1485	-30.0	-14.5	4	11	-1612.4	-399.1	48.3	-200.2	-16.2
24TH	297.47	-77.8	-21.3	2580	1485	-30.2	-14.3	4	11	-1534.6	-377.8	43.5	-180.8	-15.5
25TH	309.80	-78.3	-21.1	2580	1485	-30.4	-14.2	4	11	-1456.2	-356.6	38.9	-162.3	-14.7
		-78.8	-21.0	2580	1485	-30.6	-14.1	4	11					

TABLE 7. SHEAR AND MOMENT DIAGRAMS : US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
WIND DIRECTION 350 CONFIGURATION A REFERENCE PRESSURE 34.0 PSF GUST FACTOR 1.32
ECCENTRICITIES BASED ON 61 FT IN THE X DIRECTION AND 82 FT IN THE Y DIRECTION

FLOOR	HEIGHT	FORCE (KIPS)		AREA (SQ FT)		PRESSURE (PSF)		ECCEN (%)		SHEAR (KIPS)		MOMENT (1000-FT-KIPS)		
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	Z
26TH	322.13	-79.3	-20.8	2580	1485	-30.7	-14.0	4	11	-1377.4	-335.7	34.7	-144.9	-14.0
27TH	334.46	-79.8	-20.6	2580	1485	-30.9	-13.9	4	11	-1298.1	-314.9	30.7	-128.4	-13.2
28TH	346.79	-80.2	-20.5	2580	1485	-31.1	-13.8	4	11	-1218.2	-294.3	26.9	-112.9	-12.4
29TH	359.12	-80.6	-20.3	2580	1485	-31.2	-13.7	4	11	-1138.0	-273.9	23.4	-98.3	-11.6
30TH	371.45	-80.9	-20.2	2580	1485	-31.4	-13.6	4	11	-1057.5	-253.5	20.2	-84.8	-10.8
31ST	383.78	-81.3	-20.0	2580	1485	-31.5	-13.5	4	11	-976.5	-233.4	17.2	-72.3	-10.0
32ND	396.11	-81.7	-19.9	2580	1485	-31.7	-13.4	4	11	-895.2	-213.4	14.4	-60.7	-9.2
33RD	408.44	-82.0	-19.7	2580	1485	-31.8	-13.3	4	11	-813.6	-193.5	11.9	-50.2	-8.4
34TH	420.77	-82.2	-19.6	2580	1485	-31.8	-13.2	4	11	-731.5	-173.8	9.6	-40.7	-7.6
35TH	433.10	-82.0	-19.5	2580	1485	-31.8	-13.2	4	11	-649.4	-154.2	7.6	-32.1	-6.8
36TH	445.43	-81.9	-19.5	2580	1485	-31.7	-13.1	4	12	-567.4	-134.6	5.8	-24.6	-6.0
37TH	457.76	-81.7	-19.5	2580	1485	-31.7	-13.1	4	12	-485.5	-115.1	4.3	-18.1	-5.2
38TH	470.09	-81.6	-19.4	2580	1485	-31.6	-13.1	4	12	-403.8	-95.7	3.0	-12.7	-4.3
39TH	482.42	-81.4	-19.4	2580	1485	-31.6	-13.0	4	12	-322.3	-76.3	1.9	-8.2	-3.5
40TH	494.75	-81.3	-19.3	2580	1485	-31.5	-13.0	4	12	-240.8	-56.9	1.1	-4.7	-2.7
41ST	507.08	-73.2	-17.7	2580	1485	-28.4	-11.9	4	12	-159.6	-37.6	.5	-2.3	-1.8
42ND	519.41	-86.3	-19.9	3555	2046	-24.3	-9.7	4	14	-86.3	-19.9	.2	-.7	-1.0
TOP	536.41									0.0	0.0	0.0	0.0	0.0

TABLE 7. US BANCORP TOWER, PORTLAND ** WITH DIRECTIONAL LOAD FACTORS
 PROJECT 5030 CONFIGURATION A
 SCALE = 400 REF. PRESSURE = 34.0
 GUST FACTOR = 1.32 STANDARD FLOOR HEIGHT = 12.33
 NUMBER OF SIDES = 5 NO. OF FLOORS = 42

SIDE	ANGLE	Z-AXIS
1	0.0	3.110
2	69.0	1.080
3	180.0	3.110
4	249.0	1.850
5	180.0	3.110

FLOOR #	LABEL	HEIGHT-FT
1	GRND	18.19
2	2ND	14.00
3	3RD	15.50
4	4TH	13.00
5	5TH	13.00
6	6TH	13.00
7	7TH	13.50
8	8TH	12.33
9	9TH	12.33
10	10TH	12.33
11	11TH	12.33
12	12TH	12.33
13	13TH	12.33
14	14TH	12.33
15	15TH	12.33
16	16TH	12.33
17	17TH	12.33
18	18TH	12.33
19	19TH	12.33
20	20TH	12.33
21	21ST	12.33
22	22ND	12.33
23	23RD	12.33
24	24TH	12.33
25	25TH	12.33
26	26TH	12.33
27	27TH	12.33
28	28TH	12.33
29	29TH	12.33
30	30TH	12.33
31	31ST	12.33
32	32ND	12.33
33	33RD	12.33
34	34TH	12.33
35	35TH	12.33
36	36TH	12.33
37	37TH	12.33
38	38TH	12.33
39	39TH	12.33
40	40TH	12.33
41	41ST	12.33
42	42ND	17.00

APPENDIX A
PRESSURE DATA

Note: Pressure coefficients are defined in Section 4.3.
Pressure tap designation is explained in Figure 3.

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
0	101	.056	.108	.416	-.424	0	151	.009	.079	.370	-.218	0	230	-.631	.191	.040	-1.416
0	102	.243	.122	.647	-.172	0	152	.211	.091	.596	-.013	0	231	-.512	.251	.148	-1.362
0	103	.276	.121	.624	-.164	0	153	.269	.094	.718	-.045	0	232	-.219	.199	.110	-1.270
0	104	.293	.125	.756	-.130	0	154	.242	.080	.523	-.050	0	233	-.177	.105	.108	-.771
0	105	.291	.117	.716	-.101	0	155	.142	.069	.479	-.076	0	234	-.249	.068	-.043	-.617
0	106	.222	.113	.687	-.120	0	156	.073	.073	.391	-.147	0	235	-.297	.064	-.116	-.642
0	107	.096	.099	.500	-.237	0	157	.239	.087	.563	.031	0	236	-.556	.206	.040	-1.601
0	108	.061	.092	.389	-.227	0	158	.284	.092	.687	.060	0	237	-.540	.213	.013	-1.549
0	109	.358	.132	.795	-.047	0	159	.278	.092	.645	.048	0	238	-.336	.252	.187	-1.370
0	110	.515	.148	1.091	.041	0	160	.292	.087	.705	.096	0	239	-.153	.149	.137	-.888
0	111	.563	.145	1.018	.089	0	161	-.062	.076	.274	-.338	0	240	-.153	.076	.017	-.671
0	112	.531	.154	1.007	.045	0	162	.107	.080	.404	-.088	0	241	-.250	.059	-.075	-.605
0	113	.332	.123	.764	-.066	0	163	.305	.115	.743	.018	0	242	-.314	.063	-.120	-.580
0	114	.140	.115	.540	-.323	0	164	.312	.112	.785	.054	0	243	-.160	.056	-.022	-.590
0	115	.043	.094	.410	-.258	0	165	.354	.116	.793	.110	0	244	-.289	.057	-.114	-.592
0	116	.306	.135	.741	-.030	0	166	.371	.123	.872	.096	0	245	-.386	.185	.276	-1.175
0	117	.523	.155	.990	.125	0	167	.358	.112	.794	.092	0	246	-.334	.200	.186	-1.517
0	118	.591	.157	1.055	.215	0	168	.359	.112	.782	.083	0	247	-.153	.199	.257	-1.079
0	119	.520	.137	.940	.081	0	169	.339	.115	.868	.087	0	248	-.046	.119	.203	-.710
0	120	.311	.117	.653	-.061	0	170	.239	.088	.597	.041	0	249	-.024	.071	.169	-.533
0	121	.104	.099	.456	-.218	0	171	.196	.078	.585	-.028	0	250	-.076	.056	.104	-.431
0	122	-.004	.085	.299	-.260	0	201	-.736	.193	-.294	-1.918	0	251	-.183	.050	-.003	-.443
0	123	.286	.125	.699	-.057	0	202	-.726	.173	-.227	-1.469	0	252	-.050	.085	.205	-.508
0	124	.496	.141	.966	.069	0	203	-.520	.169	-.120	-1.127	0	253	-.011	.102	.410	-.517
0	125	.556	.144	1.054	.171	0	204	-.317	.113	-.095	-.932	0	254	.031	.071	.266	-.548
0	126	.503	.139	.943	.117	0	205	-.256	.069	-.041	-.786	0	255	.034	.072	.375	-.298
0	127	.262	.113	.662	-.110	0	206	-.259	.054	-.073	-.630	0	256	.126	.075	.450	-.154
0	128	.074	.110	.436	-.246	0	207	-.290	.061	-.064	-.621	0	257	.156	.088	.530	-.141
0	129	.018	.087	.310	-.313	0	208	-.728	.196	-.203	-1.523	0	258	-.163	.126	.134	-.961
0	130	.212	.122	.832	-.137	0	209	-.714	.207	-.072	-1.725	0	259	-.141	.140	.232	-.756
0	131	.432	.138	.868	.077	0	210	-.552	.209	.103	-1.215	0	260	-.061	.158	.276	-.955
0	132	.476	.138	1.101	.117	0	211	-.269	.183	.063	-.982	0	261	.028	.102	.280	-1.003
0	133	.426	.127	.813	.081	0	212	-.190	.086	.020	-.861	0	262	.079	.081	.443	-.493
0	134	.242	.112	.757	-.112	0	213	-.239	.058	-.031	-.772	0	263	.113	.070	.414	-.141
0	135	.039	.112	.503	-.483	0	214	-.280	.056	-.054	-.588	0	264	.118	.074	.548	-.194
0	136	.115	.092	.280	-.441	0	215	-.628	.132	-.151	-1.211	0	265	-.031	.155	.344	-.982
0	137	.130	.122	.597	-.215	0	216	-.649	.141	-.199	-1.298	0	266	.039	.102	.348	-.704
0	138	.327	.136	.824	-.040	0	217	-.610	.202	.160	-1.490	0	267	.077	.075	.367	-.388
0	139	.360	.124	.769	.008	0	218	-.375	.251	.156	-1.195	0	268	.102	.070	.360	-.256
0	140	.336	.116	.876	.075	0	219	-.230	.149	.144	-1.071	0	269	.139	.073	.441	-.184
0	141	.208	.114	.627	-.105	0	220	-.250	.080	-.015	-.679	0	270	.156	.078	.472	-.067
0	142	.056	.116	.608	-.342	0	221	-.287	.065	-.067	-.623	0	271	-.056	.130	.365	-.628
0	143	.143	.094	.299	-.541	0	222	-.620	.165	-.102	-1.467	0	272	-.065	.136	.340	-.720
0	144	.036	.093	.427	-.208	0	223	-.623	.140	-.120	-1.448	0	273	.011	.169	.393	-1.096
0	145	.224	.112	.735	-.036	0	224	-.555	.247	.142	-1.419	0	274	.098	.117	.494	-.929
0	146	.267	.113	.854	-.001	0	225	-.309	.249	.146	-1.473	0	275	.094	.086	.420	-.733
0	147	.253	.108	.687	-.042	0	226	-.222	.147	.134	-1.125	0	276	.124	.068	.468	-.454
0	148	.159	.101	.584	-.135	0	227	-.264	.089	.061	-.883	0	277	.134	.066	.379	-.448
0	149	.050	.102	.573	-.325	0	228	-.292	.058	-.079	-.682	0	278	.135	.067	.540	-.112
0	150	.182	.074	.166	-.514	0	229	-.616	.165	-.181	-1.536	0	279	.141	.067	.428	-.108

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
0	280	.148	.072	.523	-.064	0	349	-.471	.084	-.243	-.873	0	450	-.518	.104	-.251	-1.229
0	281	.161	.070	.488	-.038	0	401	-.509	.122	-.117	-1.178	0	451	-.503	.091	-.222	-.904
0	301	-.353	.079	-.104	-.676	0	402	-.498	.118	-.107	-1.437	0	452	-.490	.091	-.228	-.913
0	302	-.353	.071	-.073	-.697	0	403	-.492	.103	-.124	-.992	0	453	-.474	.089	-.168	-.927
0	303	-.345	.068	-.111	-.657	0	404	-.483	.086	-.233	-.897	0	454	-.508	.099	-.245	-1.073
0	304	-.395	.074	-.125	-.657	0	405	-.477	.087	-.199	-.915	0	455	-.496	.105	-.220	-.985
0	305	-.420	.078	-.144	-.742	0	406	-.462	.063	-.284	-.791	0	456	-.465	.140	-.006	-1.208
0	306	-.424	.082	-.149	-.764	0	407	-.448	.073	-.197	-.910	0	457	-.484	.113	-.002	-1.114
0	307	-.436	.090	-.125	-.937	0	408	-.501	.136	-.143	-1.274	0	458	-.463	.125	-.069	-1.102
0	308	-.351	.065	-.147	-.583	0	409	-.499	.127	-.035	-1.579	0	459	-.487	.115	-.114	-1.023
0	309	-.348	.065	-.147	-.702	0	410	-.474	.086	-.216	-1.079	0	460	-.526	.129	-.156	-1.388
0	310	-.362	.068	-.161	-.654	0	411	-.453	.089	-.183	-1.105	0	461	-.523	.136	-.251	-1.257
0	311	-.385	.068	-.177	-.678	0	412	-.434	.073	-.204	-.753	0	462	-.529	.145	-.218	-1.528
0	312	-.388	.065	-.173	-.597	0	413	-.424	.072	-.223	-.727	0	463	-.495	.124	-.230	-1.103
0	313	-.409	.077	-.094	-.987	0	414	-.434	.070	-.218	-.734	0	464	-.505	.123	-.199	-1.423
0	314	-.429	.082	-.118	-.875	0	415	-.506	.117	-.213	-1.232	0	465	-.473	.116	-.050	-.977
0	315	-.363	.063	-.163	-.849	0	416	-.489	.106	-.209	-1.114	0	466	-.516	.132	-.163	-1.207
0	316	-.371	.065	-.116	-.626	0	417	-.469	.076	-.244	-.877	0	467	-.513	.125	-.219	-1.463
0	317	-.377	.060	-.192	-.616	0	418	-.446	.071	-.232	-1.009	0	468	-.506	.134	-.228	-1.549
0	318	-.379	.056	-.173	-.583	0	419	-.423	.069	-.171	-.847	0	469	-.423	.175	-.007	-1.663
0	319	-.385	.055	-.161	-.593	0	420	-.422	.066	-.223	-.774	0	470	-.442	.143	-.010	-1.123
0	320	-.414	.059	-.215	-.704	0	421	-.426	.067	-.199	-.762	0	471	-.375	.150	-.036	-1.009
0	321	-.423	.064	-.218	-.695	0	422	-.512	.122	-.148	-1.422	0	472	-.375	.131	-.031	-.902
0	322	-.362	.066	-.116	-.631	0	423	-.503	.085	-.263	-.985	0	473	-.426	.150	-.096	-1.166
0	323	-.360	.060	-.125	-.590	0	424	-.480	.082	-.251	-.901	0	474	-.416	.146	-.066	-1.210
0	324	-.373	.062	-.124	-.571	0	425	-.446	.074	-.237	-.955	0	475	-.454	.132	-.108	-1.206
0	325	-.387	.059	-.148	-.581	0	426	-.437	.073	-.211	-.774	0	476	-.468	.122	-.009	-1.206
0	326	-.385	.063	-.138	-.638	0	427	-.429	.069	-.218	-.748	0	477	-.481	.132	-.047	-1.401
0	327	-.419	.067	-.217	-.728	0	428	-.428	.063	-.234	-.788	0	478	-.480	.126	-.005	-1.365
0	328	-.441	.073	-.252	-.852	0	429	-.524	.098	-.237	-1.382	0	479	-.483	.127	-.178	-1.358
0	329	-.372	.077	-.086	-.678	0	430	-.502	.098	-.230	-1.061	0	480	-.485	.132	-.194	-1.368
0	330	-.383	.081	-.157	-.699	0	431	-.484	.079	-.201	-.859	0	481	-.496	.139	-.204	-1.365
0	331	-.385	.071	-.143	-.669	0	432	-.468	.076	-.244	-.793	0	901	-.510	.088	-.241	-.946
0	332	-.395	.072	-.148	-.711	0	433	-.456	.070	-.248	-.764	0	902	-.538	.100	-.277	-1.057
0	333	-.420	.071	-.193	-.787	0	434	-.446	.070	-.241	-.694	0	903	-.582	.107	-.265	-1.104
0	334	-.444	.078	-.181	-.716	0	435	-.436	.064	-.237	-.673	0	904	-.584	.108	-.265	-1.090
0	335	-.457	.080	-.174	-.773	0	436	-.514	.107	-.218	-1.174	0	905	-.578	.114	-.251	-1.222
0	336	-.437	.090	-.152	-1.106	0	437	-.519	.093	-.246	-.673	0	906	-.605	.135	-.265	-1.361
0	337	-.448	.085	-.129	-.797	0	438	-.505	.099	-.222	-1.304	0	907	-.596	.152	-.074	-1.269
0	338	-.459	.090	-.188	-.887	0	439	-.486	.078	-.156	-.988	0	908	-.502	.119	-.079	-.915
0	339	-.468	.087	-.107	-.840	0	440	-.470	.074	-.265	-.743	0	909	-.346	.122	-.054	-.792
0	340	-.466	.090	-.181	-.830	0	441	-.471	.067	-.248	-.741	0	910	-.474	.118	-.029	-.994
0	341	-.477	.081	-.236	-.749	0	442	-.470	.076	-.255	-.863	0	911	-.497	.114	-.018	-1.037
0	342	-.487	.085	-.228	-.837	0	443	-.506	.125	-.174	-1.206	0	912	-.598	.130	-.147	-1.152
0	343	-.437	.091	-.221	-1.176	0	444	-.500	.104	-.239	-.985	0	913	-.489	.110	-.083	-1.016
0	344	-.436	.085	-.181	-.965	0	445	-.510	.112	-.191	-1.127	0	914	-.544	.112	-.204	-1.102
0	345	-.424	.075	-.216	-.775	0	446	-.531	.117	-.209	-1.157	0	915	-.532	.120	-.226	-1.172
0	346	-.459	.079	-.240	-.821	0	447	-.502	.109	-.264	-1.210	0	916	-.524	.103	-.256	-1.068
0	347	-.443	.075	-.216	-.827	0	448	-.508	.110	-.195	-.981	0	917	-.459	.082	-.258	-.821
0	348	-.453	.077	-.189	-.738	0	449	-.495	.092	-.243	-.917	0	918	-.443	.077	-.239	-.771

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
0	919	-.437	.095	-.142	-.866	10	150	-.136	.085	-.267	-.594	10	229	-.707	.188	-.233	-1.739
10	101	-.156	.131	-.620	-.333	10	151	-.058	.084	-.367	-.144	10	230	-.711	.186	-.188	-1.737
10	102	-.331	.133	-.768	-.101	10	152	-.253	.103	-.665	-.018	10	231	-.689	.205	-.035	-1.623
10	103	-.284	.125	-.770	-.136	10	153	-.283	.110	-.746	-.059	10	232	-.568	.232	-.069	-1.444
10	104	-.273	.122	-.704	-.170	10	154	-.237	.085	-.601	-.012	10	233	-.416	.201	-.028	-1.170
10	105	-.254	.112	-.635	-.123	10	155	-.072	.065	-.421	-.097	10	234	-.383	.152	-.042	-1.072
10	106	-.131	.100	-.464	-.232	10	156	-.029	.065	-.207	-.298	10	235	-.362	.144	-.088	-1.227
10	107	-.027	.092	-.252	-.361	10	157	-.276	.092	-.661	-.059	10	236	-.696	.217	-.178	-1.684
10	108	-.155	.113	-.532	-.219	10	158	-.303	.102	-.759	-.061	10	237	-.732	.221	-.095	-1.646
10	109	-.438	.144	-.836	-.006	10	159	-.282	.090	-.723	-.059	10	238	-.663	.262	-.028	-1.654
10	110	-.580	.156	1.202	-.016	10	160	-.272	.090	-.648	-.070	10	239	-.412	.221	-.041	-1.195
10	111	-.550	.152	1.046	-.001	10	161	-.046	.076	-.286	-.335	10	240	-.317	.164	-.026	-.943
10	112	-.451	.138	.907	.014	10	162	-.148	.090	-.628	-.072	10	241	-.289	.111	-.050	-.821
10	113	-.212	.110	.605	-.142	10	163	-.349	.122	-.858	-.085	10	242	-.343	.115	-.071	-.889
10	114	-.012	.096	.408	-.343	10	164	-.345	.125	-.877	.018	10	243	-.222	.113	-.073	-.793
10	115	-.133	.112	.564	-.279	10	165	-.377	.128	-.821	.106	10	244	-.304	.098	-.013	-.950
10	116	-.422	.148	.877	-.024	10	166	-.370	.126	-.927	-.086	10	245	-.508	.197	-.007	-1.643
10	117	-.576	.158	1.033	.119	10	167	-.380	.130	1.066	-.062	10	246	-.528	.213	-.004	-1.628
10	118	-.587	.157	1.153	.153	10	168	-.362	.121	.822	-.088	10	247	-.434	.230	.137	-1.319
10	119	-.476	.136	.866	.040	10	169	-.316	.109	.729	-.065	10	248	-.260	.217	.206	-1.102
10	120	-.175	.100	.614	-.112	10	170	-.185	.077	.485	-.017	10	249	-.149	.159	.234	-1.091
10	121	-.022	.085	.352	-.331	10	171	-.101	.076	.393	-.163	10	250	-.151	.112	.163	-.667
10	122	-.080	.102	.487	-.361	10	201	-.771	.182	-.352	-1.628	10	251	-.217	.091	.234	-.744
10	123	-.364	.136	.742	-.035	10	202	-.824	.185	-.328	-1.488	10	252	-.132	.111	.275	-.675
10	124	-.543	.141	.967	.155	10	203	-.754	.175	-.216	-1.415	10	253	-.072	.114	.358	-.504
10	125	-.549	.159	1.062	.135	10	204	-.596	.172	-.077	-1.548	10	254	-.040	.099	.423	-.474
10	126	-.425	.132	.991	.026	10	205	-.428	.170	.104	-1.657	10	255	-.037	.108	.378	-.542
10	127	-.143	.103	.500	-.244	10	206	-.356	.121	.014	-.890	10	256	-.084	.107	.528	-.298
10	128	-.059	.094	.333	-.437	10	207	-.343	.123	.058	-.979	10	257	-.137	.124	.704	-.186
10	129	-.073	.112	.568	-.311	10	208	-.775	.201	-.231	-1.672	10	258	-.334	.159	.019	-1.053
10	130	-.318	.134	.856	-.073	10	209	-.795	.194	-.242	-2.130	10	259	-.363	.171	.043	-1.220
10	131	-.465	.145	.963	.092	10	210	-.765	.167	-.128	-1.353	10	260	-.307	.218	.246	-1.575
10	132	-.467	.143	.916	.073	10	211	-.626	.180	-.026	-1.285	10	261	-.181	.206	.345	-1.338
10	133	-.381	.124	.766	.086	10	212	-.423	.173	.016	-1.127	10	262	-.023	.127	.501	-.601
10	134	-.131	.099	.545	-.163	10	213	-.347	.145	.155	-1.129	10	263	-.055	.107	.510	-.652
10	135	-.097	.093	.266	-.439	10	214	-.371	.139	.073	-1.602	10	264	-.082	.111	.715	-.430
10	136	-.028	.115	.358	-.435	10	215	-.676	.159	-.181	-1.192	10	265	-.291	.222	.155	-1.422
10	137	-.206	.131	.858	-.135	10	216	-.670	.145	-.255	-1.621	10	266	-.157	.199	.23	-1.416
10	138	-.403	.143	.867	-.013	10	217	-.714	.158	-.200	-1.349	10	267	-.020	.133	.565	-.810
10	139	-.396	.131	.890	.090	10	218	-.644	.194	-.016	-1.524	10	268	-.051	.105	.468	-.574
10	140	-.302	.112	.678	.030	10	219	-.532	.208	-.019	-1.283	10	269	.120	.108	.533	-.229
10	141	-.096	.097	.483	-.141	10	220	-.429	.183	.119	-1.549	10	270	.136	.113	.685	-.139
10	142	-.097	.091	.275	-.500	10	221	-.414	.191	.119	-1.406	10	271	-.244	.177	.161	-1.365
10	143	-.063	.100	.342	-.403	10	222	-.677	.175	-.238	-1.638	10	272	-.248	.178	.275	-1.068
10	144	-.132	.107	.556	-.166	10	223	-.681	.158	-.267	-1.380	10	273	-.259	.257	.349	-1.703
10	145	-.294	.123	.806	.021	10	224	-.689	.185	-.003	-1.553	10	274	-.100	.224	.495	-1.475
10	146	-.288	.112	.710	.027	10	225	-.669	.217	.014	-1.490	10	275	-.075	.191	.563	-1.226
10	147	-.248	.103	.793	-.020	10	226	-.498	.217	.085	-1.408	10	276	.018	.156	.512	-1.114
10	148	-.068	.087	.447	-.256	10	227	-.416	.192	.130	-1.418	10	277	.096	.106	.696	-.730
10	149	-.060	.093	.432	-.448	10	228	-.415	.176	-.078	-1.244	10	278	.118	.105	.624	-.354

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
10	279	109	116	590	-487	10	348	428	099	-112	-826	10	449	528	145	-163	-1.608
10	280	136	106	596	-170	10	349	428	101	-125	-847	10	450	513	131	-199	-1.121
10	281	149	107	687	-101	10	401	513	168	013	-1.326	10	451	523	130	-218	-1.208
10	301	371	122	028	-992	10	402	502	157	126	-1.293	10	452	404	107	046	-762
10	302	373	111	059	-870	10	403	528	147	004	-1.197	10	453	410	106	020	-741
10	303	378	098	080	-839	10	404	555	141	-142	-1.392	10	454	442	130	048	-934
10	304	408	099	089	-745	10	405	536	125	-214	-1.164	10	455	453	142	018	-911
10	305	406	105	066	-778	10	406	518	102	-248	-1.105	10	456	283	158	133	-998
10	306	426	115	049	-902	10	407	497	104	-183	-1.124	10	457	331	158	294	-979
10	307	439	120	080	-952	10	408	533	215	040	-1.644	10	458	301	164	198	-932
10	308	381	117	030	-1.293	10	409	516	189	209	-1.456	10	459	326	164	235	-962
10	309	383	113	106	-1.116	10	410	513	136	072	-1.224	10	460	456	174	261	-1.196
10	310	379	108	056	-919	10	411	528	146	060	-1.428	10	461	532	177	014	-1.403
10	311	389	101	035	-895	10	412	507	118	163	-1.254	10	462	593	191	134	-1.687
10	312	402	097	115	-949	10	413	484	108	104	-1.085	10	463	564	177	179	-1.944
10	313	430	124	068	-1.034	10	414	479	114	181	-1.201	10	464	552	172	146	-1.796
10	314	449	131	016	-1.055	10	415	568	239	014	-1.688	10	465	375	152	096	-1.095
10	315	378	121	059	-968	10	416	562	200	049	-1.579	10	466	448	156	205	-1.112
10	316	365	107	007	-992	10	417	529	145	081	-1.187	10	467	526	159	001	-1.456
10	317	345	084	117	-839	10	418	503	137	135	-1.347	10	468	548	182	159	-1.312
10	318	347	076	110	-738	10	419	470	123	149	-1.387	10	469	175	137	232	-957
10	319	382	084	094	-1.081	10	420	455	105	137	-1.024	10	470	197	138	300	-971
10	320	423	092	153	-855	10	421	449	102	137	-945	10	471	159	132	197	-870
10	321	440	116	082	-1.058	10	422	580	252	016	-1.867	10	472	200	129	169	-888
10	322	371	111	084	-808	10	423	571	162	009	-1.630	10	473	236	168	355	-945
10	323	349	102	099	-1.072	10	424	532	147	030	-1.315	10	474	235	168	211	-1.133
10	324	348	079	109	-688	10	425	502	162	149	-1.777	10	475	292	175	360	-1.236
10	325	345	068	119	-608	10	426	468	119	160	-1.189	10	476	366	174	218	-1.177
10	326	360	084	102	-946	10	427	452	110	167	-1.115	10	477	426	212	232	-1.651
10	327	408	102	069	-846	10	428	460	107	169	-1.424	10	478	472	162	086	-1.308
10	328	440	124	069	-968	10	429	562	189	125	-1.512	10	479	529	176	078	-1.335
10	329	374	107	104	-933	10	430	534	161	092	-1.307	10	480	529	188	157	-1.447
10	330	361	106	112	-1.034	10	431	514	135	031	-1.214	10	481	553	182	057	-1.657
10	331	363	088	156	-830	10	432	505	134	169	-1.226	10	901	562	111	260	-1.060
10	332	375	084	008	-728	10	433	491	120	153	-1.512	10	902	564	113	236	-1.095
10	333	398	092	114	-872	10	434	479	115	187	-2.084	10	903	580	120	243	-1.107
10	334	434	109	128	-1.006	10	435	477	105	194	-1.100	10	904	611	125	285	-1.328
10	335	471	121	114	-947	10	436	530	156	052	-1.419	10	905	601	138	255	-1.393
10	336	415	122	100	-1.088	10	437	511	138	071	-1.277	10	906	630	160	164	-1.414
10	337	405	123	095	-1.008	10	438	506	137	111	-1.363	10	907	607	170	090	-1.671
10	338	397	108	022	-1.053	10	439	515	119	197	-1.163	10	908	475	154	020	-1.188
10	339	403	091	137	-813	10	440	503	114	199	-1.351	10	909	413	145	147	-1.157
10	340	421	092	170	-888	10	441	497	115	246	-1.228	10	910	507	148	137	-1.157
10	341	450	117	159	-1.423	10	442	493	125	201	-1.407	10	911	503	138	003	-1.121
10	342	478	116	175	-1.093	10	443	504	161	052	-1.419	10	912	637	154	182	-1.353
10	343	432	119	128	-1.211	10	444	479	148	097	-1.159	10	913	615	140	039	-1.104
10	344	418	124	148	-983	10	445	473	142	001	-1.323	10	914	615	144	220	-1.801
10	345	408	102	148	-919	10	446	479	152	077	-1.208	10	915	600	143	152	-1.219
10	346	394	094	168	-862	10	447	515	150	045	-1.249	10	916	584	127	244	-1.283
10	347	407	104	093	-926	10	448	555	174	042	-1.661	10	917	414	102	125	-1.270

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
10	918	- .395	.100	- .113	- .822	20	149	- .137	.089	.224	- .502	20	228	- .536	.211	- .071	- 1.668
10	919	- .422	.119	- .106	- .992	20	150	- .092	.099	.327	- .502	20	229	- .524	.159	- .182	- 1.402
20	101	- .279	.156	- .852	- .326	20	151	- .062	.084	.515	- .159	20	230	- .525	.159	- .218	- 1.470
20	102	- .390	.144	- .787	- .178	20	152	- .229	.091	.603	- .007	20	231	- .540	.165	- .194	- 1.532
20	103	- .269	.128	- .702	- .095	20	153	- .225	.090	.652	- .008	20	232	- .527	.169	- .065	- 1.644
20	104	- .234	.109	- .627	- .110	20	154	- .180	.075	.584	- .016	20	233	- .492	.155	- .018	- 1.085
20	105	- .180	.107	- .535	- .163	20	155	- .011	.063	.280	- .185	20	234	- .466	.165	- .001	- 1.215
20	106	- .084	.087	- .410	- .241	20	156	- .093	.075	.196	- .384	20	235	- .474	.179	- .043	- 1.355
20	107	- .049	.079	- .224	- .324	20	157	- .230	.095	.637	- .025	20	236	- .564	.199	- .173	- 1.865
20	108	- .245	.150	- .764	- .253	20	158	- .249	.092	.646	- .031	20	237	- .563	.190	- .203	- 1.693
20	109	- .527	.147	- .937	- .059	20	159	- .246	.087	.622	- .027	20	238	- .569	.207	- .084	- 1.682
20	110	- .538	.159	- 1.081	- .102	20	160	- .237	.088	.550	- .021	20	239	- .492	.174	- .039	- 1.215
20	111	- .508	.146	- .918	- .068	20	161	- .018	.074	.327	- .279	20	240	- .423	.168	- .020	- 1.159
20	112	- .387	.129	- .819	- .021	20	162	- .136	.081	.492	- .077	20	241	- .379	.152	- .005	- .998
20	113	- .163	.098	- .530	- .155	20	163	- .326	.116	.920	- .027	20	242	- .391	.157	- .028	- 1.123
20	114	- .011	.086	- .295	- .354	20	164	- .313	.113	.721	- .049	20	243	- .293	.151	- .025	- 1.563
20	115	- .186	.144	- .766	- .260	20	165	- .340	.122	.832	- .076	20	244	- .325	.130	- .033	- 1.087
20	116	- .488	.149	- 1.021	- .019	20	166	- .348	.128	.808	- .061	20	245	- .529	.205	- .008	- 1.556
20	117	- .581	.154	- 1.094	- .128	20	167	- .334	.115	.746	- .104	20	246	- .531	.192	- .067	- 1.469
20	118	- .580	.145	- 1.012	- .147	20	168	- .311	.124	.797	- .029	20	247	- .491	.206	- .040	- 1.979
20	119	- .404	.117	- .852	- .068	20	169	- .293	.110	.737	- .044	20	248	- .380	.231	- .218	- 1.230
20	120	- .146	.090	- .479	- .153	20	170	- .113	.078	.437	- .102	20	249	- .281	.202	- .160	- 1.408
20	121	- .035	.089	- .261	- .363	20	171	- .037	.077	.387	- .237	20	250	- .200	.138	- .117	- .756
20	122	- .134	.132	- .590	- .384	20	201	- .541	.116	- .248	- 1.250	20	251	- .229	.108	- .113	- .863
20	123	- .433	.156	- .920	- .041	20	202	- .554	.125	- .228	- 1.145	20	252	- .152	.116	- .147	- .638
20	124	- .549	.145	- .995	- .117	20	203	- .568	.136	- .267	- 1.250	20	253	- .083	.121	- .477	- .524
20	125	- .523	.144	- 1.033	- .121	20	204	- .578	.154	- .087	- 1.232	20	254	- .097	.140	- .319	- .694
20	126	- .368	.121	- .778	- .007	20	205	- .517	.194	- .219	- 1.720	20	255	- .077	.126	- .310	- .745
20	127	- .101	.090	- .435	- .246	20	206	- .468	.150	- .014	- 1.312	20	256	- .065	.124	- .471	- .447
20	128	- .076	.085	- .203	- .535	20	207	- .454	.189	- .100	- 1.392	20	257	- .138	.126	- .600	- .368
20	129	- .128	.138	- .602	- .321	20	208	- .505	.126	- .227	- 1.223	20	258	- .407	.163	- .029	- 1.235
20	130	- .352	.145	- .849	- .070	20	209	- .494	.125	- .185	- 1.077	20	259	- .403	.172	- .005	- 1.252
20	131	- .475	.146	- 1.031	- .106	20	210	- .525	.116	- .270	- 1.113	20	260	- .423	.244	- .136	- 1.523
20	132	- .444	.140	- 1.022	- .098	20	211	- .552	.161	- .136	- 1.339	20	261	- .272	.227	- .291	- 1.178
20	133	- .288	.115	- .675	- .018	20	212	- .496	.162	- .084	- 1.257	20	262	- .067	.176	- .443	- .971
20	134	- .068	.094	- .460	- .284	20	213	- .486	.190	- .223	- 1.369	20	263	- .031	.134	- .502	- .728
20	135	- .113	.089	- .143	- .484	20	214	- .475	.208	- .062	- 1.506	20	264	- .060	.134	- .477	- .635
20	136	- .029	.159	- .595	- .597	20	215	- .467	.127	- .155	- 1.069	20	265	- .413	.252	- .181	- 1.544
20	137	- .260	.154	- .816	- .181	20	216	- .476	.131	- .166	- 1.229	20	266	- .250	.236	- .280	- 1.652
20	138	- .368	.143	- .834	- .023	20	217	- .497	.130	- .206	- 1.128	20	267	- .076	.196	- .639	- 1.210
20	139	- .358	.124	- .791	- .023	20	218	- .516	.161	- .090	- 1.168	20	268	- .021	.140	- .515	- .857
20	140	- .247	.104	- .647	- .020	20	219	- .516	.183	- .003	- 1.445	20	269	- .118	.134	- .561	- .489
20	141	- .046	.091	- .342	- .252	20	220	- .541	.210	- .056	- 1.660	20	270	- .130	.118	- .633	- .210
20	142	- .130	.089	- .184	- .507	20	221	- .536	.242	- .111	- 1.758	20	271	- .326	.190	- .048	- 1.288
20	143	- .013	.131	- .563	- .485	20	222	- .504	.139	- .196	- 1.149	20	272	- .367	.210	- .073	- 1.578
20	144	- .159	.123	- .706	- .157	20	223	- .495	.130	- .223	- 1.252	20	273	- .331	.252	- .282	- 1.453
20	145	- .257	.131	- 1.038	- .039	20	224	- .512	.147	- .141	- 1.350	20	274	- .127	.248	- .553	- 1.295
20	146	- .255	.106	- .757	- .011	20	225	- .536	.190	- .096	- 1.512	20	275	- .091	.229	- .434	- 1.345
20	147	- .176	.094	- .552	- .108	20	226	- .512	.182	- .054	- 1.593	20	276	- .015	.192	- .500	- .978
20	148	- .004	.081	- .372	- .294	20	227	- .523	.225	- .134	- 2.085	20	277	- .068	.136	- .671	- .654

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
20	278	.100	.122	.578	-.971	20	347	-.410	.136	-.111	-1.157	20	448	-.456	.211	.063	-1.648
20	279	.097	.133	.517	-.724	20	348	-.414	.145	-.094	-1.395	20	449	-.566	.213	.052	-1.480
20	280	.130	.104	.593	-.263	20	349	-.424	.151	-.065	-1.149	20	450	-.563	.211	-.071	-1.703
20	281	.137	.107	.595	-.333	20	401	-.367	.138	-.008	-1.019	20	451	-.543	.216	-.058	-1.505
20	301	-.421	.144	-.032	-1.278	20	402	-.374	.148	-.077	-1.204	20	452	-.258	.089	.006	-.756
20	302	-.390	.129	-.015	-1.115	20	403	-.461	.171	-.006	-1.211	20	453	-.287	.102	.059	-.670
20	303	-.397	.116	-.013	-1.117	20	404	-.640	.178	-.132	-1.358	20	454	-.240	.140	.157	-.875
20	304	-.390	.104	-.100	-1.006	20	405	-.718	.188	-.107	-1.591	20	455	-.236	.140	.131	-.830
20	305	-.362	.115	-.053	-1.072	20	406	-.671	.165	-.280	-1.500	20	456	-.104	.082	.199	-.809
20	306	-.362	.110	-.034	-.814	20	407	-.678	.195	-.235	-2.057	20	457	-.135	.094	.265	-.713
20	307	-.359	.111	-.062	-.933	20	408	-.402	.178	.123	-1.402	20	458	-.085	.105	.269	-.571
20	308	-.421	.125	-.098	-1.115	20	409	-.399	.171	.090	-1.262	20	459	-.126	.113	.284	-.639
20	309	-.368	.109	-.062	-.928	20	410	-.518	.170	.003	-1.124	20	460	-.224	.175	.229	-.933
20	310	-.366	.104	-.032	-.916	20	411	-.668	.200	.160	-1.720	20	461	-.404	.204	.179	-1.325
20	311	-.369	.104	-.084	-.923	20	412	-.706	.191	-.186	-1.591	20	462	-.508	.241	.072	-1.540
20	312	-.351	.116	-.062	-1.006	20	413	-.678	.190	-.195	-1.559	20	463	-.522	.199	-.081	-1.810
20	313	-.350	.121	.006	-.933	20	414	-.679	.183	-.231	-1.781	20	464	-.479	.181	.072	-1.966
20	314	-.364	.128	.006	-.940	20	415	-.525	.266	.176	-1.713	20	465	-.158	.134	.292	-.862
20	315	-.386	.125	-.002	-.975	20	416	-.498	.228	.146	-1.647	20	466	-.224	.164	.302	-1.112
20	316	-.360	.115	-.029	-1.091	20	417	-.546	.200	.104	-1.325	20	467	-.382	.188	.122	-1.230
20	317	-.323	.080	-.084	-.687	20	418	-.640	.208	.176	-1.521	20	468	-.510	.208	.075	-1.652
20	318	-.346	.094	-.100	-.871	20	419	-.613	.183	-.137	-1.379	20	469	-.054	.063	.217	-.397
20	319	-.383	.116	-.072	-.876	20	420	-.597	.165	-.095	-1.224	20	470	-.080	.091	.260	-1.178
20	320	-.410	.135	.011	-.933	20	421	-.568	.158	-.111	-1.346	20	471	-.051	.078	.227	-.639
20	321	-.425	.146	.004	-.987	20	422	-.517	.270	.139	-1.900	20	472	-.067	.079	.359	-.563
20	322	-.376	.124	-.084	-.944	20	423	-.523	.194	-.022	-1.388	20	473	-.063	.106	.345	-.796
20	323	-.347	.102	-.065	-.767	20	424	-.574	.226	.188	-1.685	20	474	-.075	.115	.408	-.729
20	324	-.329	.080	-.103	-.644	20	425	-.627	.223	-.055	-1.537	20	475	-.089	.116	.340	-.815
20	325	-.342	.092	-.115	-.855	20	426	-.617	.200	-.095	-1.664	20	476	-.148	.169	.426	-.916
20	326	-.389	.122	-.061	-.988	20	427	-.604	.194	-.111	-1.594	20	477	-.234	.213	.398	-1.481
20	327	-.414	.137	-.025	-.964	20	428	-.593	.161	-.191	-1.271	20	478	-.278	.201	.286	-1.292
20	328	-.429	.156	-.020	-.974	20	429	-.466	.199	-.028	-1.356	20	479	-.453	.228	.178	-1.532
20	329	-.393	.122	-.089	-1.002	20	430	-.489	.185	-.055	-1.330	20	480	-.529	.225	.070	-2.255
20	330	-.368	.109	-.096	-.995	20	431	-.530	.183	-.058	-1.229	20	481	-.468	.211	.019	-1.367
20	331	-.359	.095	-.094	-.827	20	432	-.627	.216	-.019	-1.569	20	901	-.702	.159	-.287	-1.504
20	332	-.370	.098	-.125	-.831	20	433	-.646	.209	-.186	-1.835	20	902	-.629	.125	-.264	-1.102
20	333	-.395	.119	-.089	-.846	20	434	-.630	.194	-.217	-1.823	20	903	-.569	.126	-.247	-1.069
20	334	-.413	.127	-.068	-.912	20	435	-.619	.194	-.200	-1.569	20	904	-.670	.131	-.219	-1.233
20	335	-.421	.146	-.044	-1.000	20	436	-.420	.157	-.052	-1.201	20	905	-.592	.136	-.200	-1.760
20	336	-.374	.134	-.032	-.938	20	437	-.428	.159	.140	-1.168	20	906	-.620	.150	-.165	-1.405
20	337	-.375	.132	-.001	-1.180	20	438	-.453	.180	.018	-1.257	20	907	-.563	.154	-.036	-1.269
20	338	-.358	.105	-.082	-.874	20	439	-.537	.188	-.073	-1.273	20	908	-.472	.155	.100	-1.175
20	339	-.420	.128	-.172	-1.130	20	440	-.608	.224	-.109	-1.835	20	909	-.442	.157	.208	-1.272
20	340	-.410	.125	-.091	-1.052	20	441	-.640	.223	-.205	-1.868	20	910	-.439	.137	.025	-1.087
20	341	-.420	.130	-.106	-1.005	20	442	-.623	.219	-.116	-1.835	20	911	-.385	.143	.078	-.889
20	342	-.446	.148	-.103	-1.382	20	443	-.377	.140	-.092	-1.164	20	912	-.657	.152	-.158	-1.370
20	343	-.371	.134	-.020	-1.422	20	444	-.360	.152	-.063	-1.236	20	913	-.447	.158	.105	-1.036
20	344	-.374	.133	-.007	-1.049	20	445	-.313	.119	-.024	-.866	20	914	-.682	.164	-.037	-1.368
20	345	-.357	.104	-.126	-.804	20	446	-.307	.164	.130	-1.049	20	915	-.654	.157	.016	-1.181
20	346	-.368	.115	-.070	-.898	20	447	-.320	.176	.097	-1.096	20	916	-.734	.176	-.256	-1.597

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
30	917	- .425	.158	- .092	-1.295	30	148	- .052	.067	.216	- .342	30	227	- .458	.136	- .159	-1.414
30	918	- .365	.111	- .132	- .975	30	149	- .172	.072	.055	- .477	30	228	- .471	.153	- .180	-1.614
30	919	- .382	.133	- .073	-1.158	30	150	- .047	.103	.473	- .298	30	229	- .396	.076	- .187	- .873
30	101	- .384	.162	.887	- .221	30	151	- .146	.090	.535	- .079	30	230	- .398	.085	- .217	-1.092
30	102	- .412	.142	.822	- .029	30	152	- .235	.104	.781	- .007	30	231	- .411	.088	- .206	-1.254
30	103	- .222	.114	.596	- .178	30	153	- .223	.090	.682	- .020	30	232	- .418	.094	- .191	-1.233
30	104	- .179	.093	.477	- .133	30	154	- .123	.071	.486	- .040	30	233	- .425	.089	- .159	-1.004
30	105	- .118	.088	.402	- .193	30	155	- .052	.056	.173	- .240	30	234	- .447	.114	- .142	-1.119
30	106	- .006	.075	.339	- .214	30	156	- .171	.069	.074	- .568	30	235	- .456	.137	- .116	-1.487
30	107	- .104	.063	.107	- .352	30	157	- .239	.096	.622	- .035	30	236	- .422	.100	- .187	-1.199
30	108	- .399	.163	.906	- .072	30	158	- .241	.096	.643	- .023	30	237	- .422	.099	- .189	-1.244
30	109	- .592	.159	1.089	.085	30	159	- .213	.082	.563	- .014	30	238	- .455	.123	- .215	-1.391
30	110	- .532	.149	1.035	.007	30	160	- .186	.081	.540	- .008	30	239	- .449	.107	- .110	-1.094
30	111	- .446	.137	.859	.010	30	161	- .079	.077	.432	- .161	30	240	- .459	.109	- .165	-1.184
30	112	- .306	.113	.639	- .046	30	162	- .231	.102	.739	- .010	30	241	- .458	.124	- .112	-1.222
30	113	- .081	.086	.393	- .204	30	163	- .317	.122	.859	- .051	30	242	- .472	.139	- .080	-1.380
30	114	- .058	.075	.249	- .288	30	164	- .321	.118	.893	- .031	30	243	- .420	.141	- .037	-1.042
30	115	- .343	.173	.968	- .223	30	165	- .323	.121	.893	- .081	30	244	- .442	.152	- .023	-1.318
30	116	- .527	.164	1.089	.061	30	166	- .284	.108	.730	- .055	30	245	- .452	.124	- .075	-1.333
30	117	- .579	.167	.992	- .128	30	167	- .302	.116	.853	- .042	30	246	- .455	.127	- .140	-1.614
30	118	- .468	.129	.848	- .092	30	168	- .260	.103	.724	- .024	30	247	- .504	.147	- .114	-1.463
30	119	- .323	.111	.723	- .042	30	169	- .222	.098	.610	- .014	30	248	- .517	.172	- .048	-1.249
30	120	- .078	.075	.346	- .150	30	170	- .029	.065	.368	- .172	30	249	- .461	.160	- .059	-1.161
30	121	- .068	.062	.178	- .329	30	171	- .044	.066	.232	- .256	30	250	- .380	.144	- .078	- .947
30	122	- .263	.165	.815	- .251	30	201	- .457	.069	- .209	- .748	30	251	- .372	.148	- .012	-1.275
30	123	- .511	.159	1.005	.005	30	202	- .458	.075	- .226	- .817	30	252	- .291	.133	- .158	- .677
30	124	- .512	.143	.979	- .102	30	203	- .464	.076	- .196	- .772	30	253	- .207	.126	- .284	- .623
30	125	- .435	.129	.894	- .076	30	204	- .456	.080	- .146	- .880	30	254	- .333	.171	- .208	- .932
30	126	- .284	.107	.681	- .014	30	205	- .433	.121	- .015	- .167	30	255	- .261	.156	- .208	- .800
30	127	- .046	.070	.309	- .217	30	206	- .432	.104	- .074	- .995	30	256	- .088	.199	- .495	- .807
30	128	- .099	.060	.102	- .375	30	207	- .453	.139	- .027	- .1297	30	257	- .007	.175	- .543	- .483
30	129	- .257	.162	.905	- .293	30	208	- .411	.072	- .206	- .665	30	258	- .478	.150	- .127	-1.277
30	130	- .433	.163	.989	- .007	30	209	- .413	.072	- .198	- .751	30	259	- .490	.151	- .109	-1.167
30	131	- .460	.132	.858	- .124	30	210	- .414	.069	- .170	- .716	30	260	- .492	.181	- .077	-1.486
30	132	- .398	.115	.778	- .053	30	211	- .431	.088	- .189	- .931	30	261	- .485	.217	- .175	-1.367
30	133	- .249	.102	.670	- .036	30	212	- .432	.089	- .144	- .944	30	262	- .302	.236	- .579	-1.048
30	134	- .026	.076	.277	- .293	30	213	- .448	.114	- .064	- .165	30	263	- .147	.231	- .426	- .961
30	135	- .119	.068	.107	- .431	30	214	- .461	.133	- .089	- .1516	30	264	- .085	.209	- .434	- .793
30	136	- .204	.165	.750	- .418	30	215	- .381	.072	- .151	- .836	30	265	- .520	.228	- .015	-1.778
30	137	- .351	.167	.957	- .131	30	216	- .378	.071	- .155	- .742	30	266	- .446	.215	- .200	-1.333
30	138	- .386	.139	.912	- .037	30	217	- .404	.072	- .195	- .702	30	267	- .320	.251	- .470	-1.420
30	139	- .305	.114	.711	- .001	30	218	- .409	.085	- .200	- .1004	30	268	- .183	.243	- .653	-1.091
30	140	- .200	.094	.543	- .025	30	219	- .426	.095	- .076	- .1023	30	269	- .002	.200	- .634	- .829
30	141	- .014	.073	.331	- .232	30	220	- .455	.132	- .127	- .1465	30	270	- .090	.157	- .677	- .463
30	142	- .140	.071	.122	- .543	30	221	- .481	.164	- .127	- .1550	30	271	- .448	.176	- .032	-1.227
30	143	- .118	.134	.611	- .344	30	222	- .378	.077	- .174	- .791	30	272	- .458	.179	- .051	-1.733
30	144	- .248	.124	.658	- .070	30	223	- .387	.067	- .229	- .816	30	273	- .495	.239	- .470	-1.956
30	145	- .281	.117	.690	- .016	30	224	- .389	.072	- .115	- .765	30	274	- .370	.271	- .768	-1.395
30	146	- .228	.099	.583	- .023	30	225	- .403	.089	- .008	- .980	30	275	- .355	.266	- .370	-1.510
30	147	- .123	.078	.425	- .120	30	226	- .424	.100	- .061	- .116	30	276	- .242	.267	- .443	-1.063

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
30	277	148	251	451	-1.110	30	346	382	095	147	968	30	447	141	098	079	756
30	278	034	206	477	-1.689	30	347	393	103	110	854	30	448	204	173	151	297
30	279	059	257	464	-1.391	30	348	399	118	097	083	30	449	363	227	098	194
30	280	042	148	511	-1.468	30	349	419	127	095	075	30	450	505	202	168	361
30	281	106	147	606	-1.440	30	401	227	043	086	398	30	451	518	186	032	643
30	301	399	106	001	-1.006	30	402	207	045	074	443	30	452	219	061	028	559
30	302	382	099	088	-0.852	30	403	207	050	034	653	30	453	246	065	005	531
30	303	371	093	081	-0.841	30	404	245	103	050	845	30	454	082	083	183	458
30	304	346	086	145	-0.850	30	405	494	249	016	317	30	455	100	072	098	486
30	305	324	070	117	-0.631	30	406	918	209	186	731	30	456	085	043	175	317
30	306	319	065	091	-0.553	30	407	908	198	244	979	30	457	113	053	198	360
30	307	306	063	119	-0.565	30	408	248	054	006	615	30	458	030	066	380	294
30	308	410	090	143	-0.817	30	409	223	056	036	580	30	459	039	063	218	420
30	309	373	080	154	-0.697	30	410	194	079	031	727	30	460	066	087	273	492
30	310	366	084	119	-0.812	30	411	273	201	094	132	30	461	134	124	244	784
30	311	347	076	154	-0.744	30	412	727	304	166	694	30	462	301	224	211	270
30	312	325	068	117	-0.567	30	413	832	210	186	960	30	463	357	187	152	480
30	313	317	069	117	-0.610	30	414	845	206	156	906	30	464	357	173	030	305
30	314	316	070	102	-0.666	30	415	296	101	068	927	30	465	052	063	230	343
30	315	351	085	086	-1.112	30	416	273	110	017	927	30	466	066	089	211	572
30	316	344	073	135	-0.619	30	417	326	189	047	079	30	467	140	133	172	927
30	317	346	074	147	-0.617	30	418	488	274	122	484	30	468	255	176	165	135
30	318	347	069	187	-0.650	30	419	682	227	115	545	30	469	046	038	129	159
30	319	338	064	126	-0.565	30	420	719	150	223	692	30	470	065	045	217	242
30	320	331	066	100	-0.671	30	421	678	148	188	337	30	471	019	041	153	147
30	321	338	080	110	-0.723	30	422	312	125	143	111	30	472	032	042	200	228
30	322	332	085	086	-0.789	30	423	290	097	076	855	30	473	022	048	222	228
30	323	334	072	091	-0.598	30	424	340	205	099	212	30	474	016	048	299	235
30	324	342	064	095	-0.677	30	425	489	271	094	545	30	475	018	062	276	333
30	325	349	070	109	-0.677	30	426	662	234	108	494	30	476	028	081	423	598
30	326	342	071	093	-0.637	30	427	701	170	205	794	30	477	035	105	308	878
30	327	332	076	102	-0.712	30	428	680	145	256	235	30	478	065	121	318	792
30	328	339	084	098	-0.819	30	429	313	088	076	031	30	479	181	193	271	087
30	329	387	086	112	-0.760	30	430	291	094	055	753	30	480	312	204	201	860
30	330	364	077	055	-0.663	30	431	303	166	009	994	30	481	311	202	142	415
30	331	376	081	128	-0.745	30	432	421	256	016	331	30	901	960	193	289	818
30	332	369	076	169	-0.738	30	433	649	245	037	537	30	902	675	116	305	045
30	333	365	082	117	-0.705	30	434	688	176	099	406	30	903	576	094	298	970
30	334	347	078	124	-0.719	30	435	697	192	009	450	30	904	678	105	226	029
30	335	348	084	119	-0.883	30	436	310	077	066	839	30	905	597	115	200	223
30	336	423	105	128	-0.925	30	437	277	077	031	731	30	906	577	116	165	130
30	337	398	104	093	-0.996	30	438	230	125	002	923	30	907	503	106	101	987
30	338	404	096	119	-0.828	30	439	292	201	051	200	30	908	359	092	045	802
30	339	423	104	166	-0.998	30	440	556	257	056	720	30	909	380	102	113	790
30	340	397	090	150	-0.729	30	441	648	235	168	577	30	910	298	118	038	724
30	341	392	101	117	-1.015	30	442	645	217	135	556	30	911	033	089	198	433
30	342	396	091	140	-0.857	30	443	281	080	013	867	30	912	531	123	182	072
30	343	358	091	047	-0.761	30	444	228	080	013	722	30	913	253	085	020	600
30	344	346	089	069	-0.713	30	445	245	067	061	574	30	914	595	211	101	284
30	345	380	088	127	-0.781	30	446	175	092	122	902	30	915	369	147	024	878

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
30	916	- .841	.191	- .103	-1.415	40	147	-.058	.070	.412	- .132	40	226	-.414	.072	- .193	- .786
30	917	- .394	.121	- .101	- .942	40	148	- .121	.056	.144	- .336	40	227	- .425	.096	- .172	-1.076
30	918	- .394	.105	- .148	- .949	40	149	- .231	.060	-.022	- .476	40	228	- .449	.110	- .204	-1.363
30	919	- .368	.097	- .017	- .968	40	150	-.085	.078	.455	- .282	40	229	- .383	.066	- .219	- .766
40	101	.456	.148	.950	- .076	40	151	.132	.086	.449	- .215	40	230	- .394	.063	- .185	- .659
40	102	.341	.143	.847	- .113	40	152	.157	.090	.533	- .037	40	231	- .401	.063	- .189	- .691
40	103	.156	.111	.494	- .236	40	153	.148	.094	.516	- .085	40	232	- .402	.061	- .202	- .659
40	104	.121	.092	.427	- .184	40	154	-.049	.071	.421	- .178	40	233	- .432	.073	- .247	- .876
40	105	.058	.074	.330	- .174	40	155	-.119	.057	.133	- .366	40	234	- .435	.088	- .191	- .964
40	106	-.053	.058	.166	- .251	40	156	-.229	.062	-.027	- .491	40	235	- .455	.099	- .225	-1.144
40	107	-.142	.048	.043	- .305	40	157	-.166	.091	.618	- .035	40	236	- .403	.065	- .236	- .678
40	108	.599	.158	1.037	.088	40	158	-.161	.087	.509	- .040	40	237	- .403	.070	- .219	- .983
40	109	.569	.156	1.002	.118	40	159	-.138	.082	.460	- .081	40	238	- .412	.072	- .202	- .741
40	110	.439	.138	.827	.060	40	160	-.092	.067	.326	- .111	40	239	- .439	.067	- .219	- .700
40	111	.318	.124	.767	- .016	40	161	-.118	.068	.397	- .141	40	240	- .453	.087	- .240	- .955
40	112	.203	.097	.596	- .070	40	162	-.166	.088	.554	- .126	40	241	- .465	.095	- .206	-1.138
40	113	.002	.067	.237	- .219	40	163	-.236	.115	.659	- .027	40	242	- .497	.112	- .232	-1.271
40	114	-.123	.052	.082	- .279	40	164	-.225	.111	.672	- .022	40	243	- .496	.112	- .184	-1.303
40	115	.561	.171	1.054	.029	40	165	-.227	.114	.721	- .027	40	244	- .509	.146	- .158	-1.437
40	116	.579	.156	1.093	.177	40	166	-.197	.106	.572	- .045	40	245	- .447	.087	- .181	- .827
40	117	.517	.143	.937	.114	40	167	-.190	.107	.689	- .045	40	246	- .450	.095	- .227	-1.054
40	118	.356	.107	.756	- .049	40	168	-.166	.098	.522	- .051	40	247	- .466	.103	- .216	- .985
40	119	.199	.087	.501	- .076	40	169	-.124	.089	.483	- .103	40	248	- .506	.125	- .225	-1.446
40	120	-.020	.059	.183	- .186	40	170	-.044	.059	.264	- .240	40	249	- .501	.115	- .093	-1.091
40	121	-.135	.048	.060	- .286	40	171	-.124	.055	.100	- .350	40	250	- .475	.111	- .082	- .985
40	122	.486	.164	.985	- .009	40	201	-.394	.067	-.218	- .673	40	251	- .470	.135	- .010	-1.277
40	123	.520	.159	1.041	.129	40	202	-.398	.068	-.216	- .653	40	252	- .404	.091	- .031	- .757
40	124	.461	.122	.810	.128	40	203	-.405	.065	-.194	- .684	40	253	- .335	.104	- .085	- .658
40	125	.324	.106	.654	.037	40	204	-.392	.061	-.207	- .682	40	254	- .449	.119	- .078	- .922
40	126	.185	.088	.566	- .060	40	205	-.406	.075	-.144	- .856	40	255	- .428	.113	- .076	- .838
40	127	-.042	.059	.187	- .216	40	206	-.418	.085	-.125	- .965	40	256	- .306	.173	- .319	- .794
40	128	-.160	.048	.020	- .322	40	207	-.437	.107	-.123	-1.370	40	257	- .201	.160	- .414	- .584
40	129	.446	.161	.975	- .158	40	208	-.375	.067	-.140	- .620	40	258	- .483	.116	- .246	- .987
40	130	.455	.154	.966	.050	40	209	-.375	.061	-.206	- .560	40	259	- .486	.115	- .194	-1.024
40	131	.403	.134	.808	.050	40	210	-.402	.062	-.202	- .620	40	260	- .504	.133	- .202	-1.364
40	132	.290	.108	.661	.020	40	211	-.392	.064	-.180	- .677	40	261	- .535	.166	- .052	-1.876
40	133	.139	.087	.477	- .106	40	212	-.414	.072	-.195	- .713	40	262	- .479	.159	- .240	-1.315
40	134	-.061	.059	.180	- .262	40	213	-.424	.079	-.165	- .908	40	263	- .364	.174	- .237	-1.025
40	135	.187	.053	-.004	- .344	40	214	-.431	.097	-.191	-1.093	40	264	- .322	.180	- .351	- .940
40	136	.323	.158	.875	- .160	40	215	-.357	.060	-.163	- .624	40	265	- .501	.152	- .206	-2.102
40	137	.358	.147	.949	.011	40	216	-.377	.060	-.210	- .615	40	266	- .530	.163	- .148	-1.609
40	138	.315	.133	.836	.024	40	217	-.374	.060	-.214	- .622	40	267	- .490	.176	- .278	-1.255
40	139	.206	.097	.535	- .026	40	218	-.394	.062	-.234	- .664	40	268	- .411	.195	- .351	-1.471
40	140	.108	.081	.405	- .097	40	219	-.420	.071	-.242	- .824	40	269	- .213	.193	- .477	- .940
40	141	-.096	.057	.137	- .270	40	220	-.431	.090	-.212	- .963	40	270	- .071	.174	- .549	- .688
40	142	-.206	.052	-.004	- .378	40	221	-.463	.119	-.144	-1.311	40	271	- .468	.126	- .172	-1.095
40	143	.195	.122	.682	- .241	40	222	-.366	.064	-.123	- .649	40	272	- .467	.126	- .193	-1.123
40	144	.220	.114	.659	- .050	40	223	-.376	.056	-.176	- .620	40	273	- .498	.150	- .227	-1.756
40	145	.210	.106	.620	- .044	40	224	-.381	.062	-.174	- .741	40	274	- .483	.172	- .221	-1.603
40	146	.151	.095	.542	- .083	40	225	-.396	.070	-.217	- .716	40	275	- .484	.154	- .067	-1.494

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
40	276	- .438	.183	.272	-1.458	40	345	- .400	.080	- .204	- .902	40	446	- .103	.047	.101	- .403
40	277	- .353	.200	.265	- .991	40	346	- .399	.081	- .144	- .769	40	447	- .044	.053	.157	- .397
40	278	- .281	.200	.312	- .888	40	347	- .371	.079	- .135	- .769	40	448	- .013	.074	.256	- .352
40	279	- .296	.243	.287	-1.396	40	348	- .395	.089	- .167	- .790	40	449	- .031	.151	.298	- .846
40	280	- .123	.147	.338	- .586	40	349	- .397	.091	- .142	- .837	40	450	- .152	.225	.421	- .943
40	281	- .047	.162	.438	- .577	40	401	- .208	.037	- .095	- .329	40	451	- .183	.226	.460	-1.160
40	301	- .417	.103	- .116	-1.335	40	402	- .170	.038	- .045	- .365	40	452	- .168	.045	- .002	- .354
40	302	- .396	.092	- .178	-1.266	40	403	- .152	.038	- .031	- .289	40	453	- .209	.049	- .030	- .395
40	303	- .364	.082	- .124	-1.257	40	404	- .145	.044	- .021	- .353	40	454	- .002	.059	.238	- .253
40	304	- .345	.061	- .154	- .655	40	405	- .167	.077	- .045	- .772	40	455	- .021	.049	.157	- .307
40	305	- .336	.055	- .126	- .511	40	406	- .524	.293	- .094	-1.642	40	456	- .051	.040	.122	- .178
40	306	- .328	.056	- .164	- .530	40	407	- .722	.219	- .065	-1.616	40	457	- .099	.054	.118	- .283
40	307	- .326	.055	- .180	- .544	40	408	- .231	.041	- .095	- .410	40	458	- .030	.056	.240	- .146
40	308	- .415	.080	- .166	- .754	40	409	- .182	.038	- .030	- .319	40	459	- .023	.053	.260	- .142
40	309	- .381	.069	- .171	- .867	40	410	- .102	.038	- .033	- .235	40	460	- .005	.059	.266	- .260
40	310	- .362	.070	- .149	- .806	40	411	- .048	.057	- .150	- .480	40	461	- .005	.073	.302	- .400
40	311	- .351	.060	- .183	- .716	40	412	- .072	.187	- .295	- .944	40	462	- .047	.125	.337	- .714
40	312	- .341	.055	- .190	- .518	40	413	- .442	.246	- .488	-1.129	40	463	- .079	.161	.450	- .933
40	313	- .327	.056	- .164	- .570	40	414	- .455	.199	- .304	-1.180	40	464	- .116	.150	.424	-1.122
40	314	- .325	.058	- .138	- .549	40	415	- .260	.044	- .104	- .452	40	465	- .007	.052	.221	- .296
40	315	- .367	.078	- .100	- .730	40	416	- .206	.037	- .048	- .363	40	466	- .018	.063	.273	- .237
40	316	- .375	.072	- .095	- .697	40	417	- .110	.044	- .124	- .396	40	467	- .001	.078	.301	- .327
40	317	- .375	.064	- .183	- .617	40	418	- .052	.088	- .173	- .751	40	468	- .019	.107	.338	- .573
40	318	- .361	.059	- .209	- .558	40	419	- .147	.254	- .330	-1.168	40	469	- .016	.043	.173	- .149
40	319	- .353	.052	- .201	- .525	40	420	- .417	.219	- .498	-1.119	40	470	- .032	.043	.187	- .166
40	320	- .341	.055	- .201	- .513	40	421	- .397	.186	- .367	-1.084	40	471	- .006	.043	.239	- .118
40	321	- .338	.058	- .187	- .801	40	422	- .272	.047	- .111	- .496	40	472	- .002	.041	.168	- .128
40	322	- .372	.082	- .126	- .726	40	423	- .215	.036	- .102	- .373	40	473	- .011	.048	.232	- .121
40	323	- .375	.073	- .145	- .749	40	424	- .123	.048	- .052	- .713	40	474	- .021	.050	.248	- .132
40	324	- .376	.060	- .208	- .616	40	425	- .072	.110	- .192	- .825	40	475	- .027	.056	.278	- .284
40	325	- .374	.058	- .227	- .608	40	426	- .131	.239	- .313	-1.192	40	476	- .038	.063	.348	- .226
40	326	- .358	.059	- .199	- .554	40	427	- .402	.221	- .421	-1.409	40	477	- .034	.062	.367	- .221
40	327	- .345	.055	- .180	- .526	40	428	- .398	.188	- .534	-1.131	40	478	- .034	.070	.341	- .324
40	328	- .339	.060	- .140	- .559	40	429	- .291	.052	- .123	- .514	40	479	- .012	.108	.391	- .599
40	329	- .430	.096	- .199	-1.383	40	430	- .232	.045	- .059	- .425	40	480	- .039	.133	.318	- .800
40	330	- .415	.089	- .095	- .909	40	431	- .128	.048	- .041	- .498	40	481	- .065	.127	.309	- .589
40	331	- .403	.072	- .161	- .661	40	432	- .065	.090	- .163	- .571	40	901	-1.417	.314	- .639	-2.615
40	332	- .406	.073	- .227	-1.106	40	433	- .121	.219	- .290	-1.035	40	902	- .665	.122	- .280	-1.098
40	333	- .386	.076	- .206	- .786	40	434	- .382	.231	- .433	-1.101	40	903	- .467	.084	- .170	- .812
40	334	- .375	.065	- .194	- .623	40	435	- .377	.195	- .288	-1.227	40	904	- .612	.133	- .160	-1.253
40	335	- .383	.067	- .142	- .632	40	436	- .289	.054	- .142	- .496	40	905	- .462	.092	- .207	- .812
40	336	- .451	.091	- .168	- .814	40	437	- .220	.050	- .076	- .467	40	906	- .488	.106	- .151	- .810
40	337	- .449	.093	- .149	-1.035	40	438	- .110	.047	- .034	- .505	40	907	- .417	.080	- .095	- .704
40	338	- .439	.084	- .244	- .869	40	439	- .051	.076	- .206	- .521	40	908	- .207	.083	- .053	- .484
40	339	- .439	.082	- .242	-1.035	40	440	- .097	.195	- .306	- .887	40	909	- .245	.100	- .013	- .550
40	340	- .416	.080	- .189	- .758	40	441	- .276	.249	- .351	-1.260	40	910	- .045	.068	- .174	- .427
40	341	- .405	.075	- .178	- .703	40	442	- .302	.231	- .546	-1.150	40	911	- .032	.097	- .230	- .376
40	342	- .405	.076	- .163	- .689	40	443	- .259	.056	- .073	- .554	40	912	- .285	.066	- .142	- .736
40	343	- .407	.078	- .112	- .718	40	444	- .164	.044	- .021	- .391	40	913	- .334	.062	- .124	- .599
40	344	- .397	.075	- .019	- .743	40	445	- .198	.048	- .015	- .440	40	914	- .402	.125	- .069	- .934

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
40	915	505	137	684	985	50	146	046	063	378	117	50	225	385	060	219	645
40	916	374	191	043	434	50	147	043	050	395	187	50	226	383	065	206	761
40	917	361	085	099	735	50	148	204	049	015	372	50	227	396	075	169	801
40	918	397	076	172	798	50	149	283	052	059	535	50	228	402	090	164	631
40	919	397	079	163	800	50	150	014	122	573	687	50	229	383	065	181	609
50	101	291	183	743	504	50	151	045	103	415	739	50	230	381	063	209	643
50	102	260	122	547	280	50	152	067	067	326	196	50	231	389	059	166	600
50	103	043	089	298	315	50	153	034	063	326	137	50	232	406	063	235	606
50	104	032	071	258	239	50	154	035	044	185	204	50	233	416	066	250	682
50	105	015	062	202	220	50	155	192	041	028	324	50	234	415	072	164	027
50	106	090	051	102	235	50	156	268	045	098	480	50	235	421	080	181	831
50	107	168	047	018	374	50	157	058	069	361	163	50	236	423	064	227	617
50	108	509	183	978	174	50	158	056	067	413	107	50	237	425	061	240	617
50	109	470	140	858	061	50	159	019	058	302	157	50	238	447	062	253	667
50	110	316	115	676	004	50	160	012	056	274	170	50	239	444	066	276	641
50	111	203	091	484	104	50	161	045	087	510	380	50	240	441	069	250	712
50	112	088	075	330	159	50	162	074	088	596	380	50	241	461	079	263	934
50	113	081	054	143	248	50	163	102	095	487	152	50	242	470	080	183	842
50	114	168	047	002	343	50	164	099	094	447	141	50	243	487	101	203	017
50	115	526	186	080	419	50	165	091	099	487	146	50	244	505	123	266	585
50	116	492	158	008	007	50	166	071	088	479	092	50	245	451	069	240	714
50	117	350	133	780	017	50	167	064	072	365	096	50	246	443	069	227	786
50	118	235	095	591	013	50	168	040	079	407	126	50	247	457	075	268	884
50	119	077	071	341	137	50	169	004	067	331	148	50	248	466	086	292	938
50	120	109	043	063	246	50	170	130	047	096	285	50	249	474	093	248	060
50	121	195	042	024	326	50	171	200	045	042	390	50	250	467	087	244	882
50	122	451	170	980	128	50	201	334	060	153	614	50	251	498	123	177	163
50	123	448	161	923	278	50	202	335	058	161	544	50	252	448	081	216	788
50	124	311	114	696	002	50	203	342	060	142	575	50	253	407	076	116	736
50	125	196	091	485	037	50	204	360	062	179	668	50	254	466	085	216	860
50	126	059	065	350	120	50	205	365	075	092	696	50	255	457	086	200	845
50	127	121	048	069	257	50	206	390	074	180	780	50	256	443	104	072	912
50	128	216	044	048	370	50	207	391	084	152	033	50	257	388	101	100	727
50	129	423	173	936	205	50	208	339	058	182	585	50	258	442	081	240	747
50	130	378	134	816	105	50	209	344	057	148	574	50	259	447	083	220	830
50	131	248	105	590	022	50	210	357	059	193	606	50	260	456	086	249	885
50	132	161	083	496	050	50	211	373	062	214	669	50	261	472	092	255	119
50	133	035	068	270	196	50	212	381	067	178	849	50	262	493	110	234	289
50	134	157	045	028	298	50	213	409	081	176	902	50	263	471	119	150	391
50	135	251	049	083	438	50	214	415	081	165	979	50	264	445	106	079	196
50	136	304	162	812	366	50	215	358	057	197	679	50	265	461	088	259	932
50	137	273	148	818	329	50	216	357	056	191	604	50	266	464	094	206	065
50	138	190	104	620	035	50	217	363	054	210	566	50	267	479	114	105	391
50	139	101	074	365	081	50	218	376	059	212	621	50	268	492	125	006	271
50	140	010	062	337	144	50	219	392	071	204	782	50	269	400	125	463	977
50	141	175	048	006	318	50	220	398	073	176	906	50	270	285	144	309	891
50	142	272	050	105	427	50	221	405	093	152	992	50	271	442	092	178	926
50	143	163	154	817	480	50	222	357	063	129	806	50	272	440	087	204	812
50	144	156	113	699	415	50	223	359	056	163	559	50	273	436	086	154	099
50	145	119	088	502	107	50	224	367	060	167	626	50	274	453	100	231	453

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
50	275	- .462	.096	- .214	-1. 213	50	344	- .428	.072	- .160	- .811	50	445	- .159	.047	.043	- .302
50	276	- .463	.102	- .141	-1. 039	50	345	- .436	.075	- .270	- .848	50	446	- .042	.044	.168	- .178
50	277	- .453	.104	- .009	-1. 078	50	346	- .420	.071	- .230	- .711	50	447	- .041	.056	.283	- .104
50	278	- .428	.121	- .129	-1. 157	50	347	- .404	.081	- .153	- .794	50	448	- .102	.062	.365	- .054
50	279	- .466	.154	- .099	-1. 185	50	348	- .423	.085	- .179	- .889	50	449	- .151	.086	.490	- .155
50	280	- .346	.109	- .197	- .720	50	349	- .429	.091	- .158	- 1. 023	50	450	- .164	.125	.609	- .722
50	281	- .277	.145	- .444	- .836	50	401	- .183	.040	- .031	- .338	50	451	- .131	.163	.637	- .676
50	301	- .407	.086	- .139	-1. 257	50	402	- .140	.039	- .001	- .310	50	452	- .127	.052	.091	- .343
50	302	- .399	.077	- .189	-1. 137	50	403	- .098	.050	.056	- .255	50	453	- .172	.066	.134	- .429
50	303	- .383	.062	- .184	- .869	50	404	- .084	.060	.117	- .284	50	454	- .067	.058	.302	- .095
50	304	- .374	.059	- .198	- .598	50	405	- .127	.079	.150	- .415	50	455	- .052	.053	.296	- .067
50	305	- .359	.057	- .198	- .563	50	406	- .036	.115	.305	- .920	50	456	- .001	.048	.211	- .149
50	306	- .340	.058	- .144	- .586	50	407	- .144	.234	.457	- .915	50	457	- .042	.071	.244	- .274
50	307	- .343	.056	- .193	- .530	50	408	- .196	.041	- .011	- .355	50	458	- .097	.056	.371	- .039
50	308	- .422	.079	- .196	- .774	50	409	- .117	.046	.075	- .276	50	459	- .084	.053	.337	- .104
50	309	- .417	.072	- .165	- .824	50	410	- .093	.054	.171	- .180	50	460	- .092	.055	.345	- .085
50	310	- .390	.064	- .172	- .772	50	411	- .088	.078	.347	- .234	50	461	- .102	.063	.359	- .071
50	311	- .374	.056	- .208	- .586	50	412	- .163	.095	.447	- .208	50	462	- .115	.071	.381	- .168
50	312	- .364	.060	- .198	- .638	50	413	- .213	.208	.659	- .594	50	463	- .143	.092	.576	- .224
50	313	- .351	.056	- .203	- .575	50	414	- .129	.258	.824	- .699	50	464	- .113	.113	.519	- .426
50	314	- .350	.062	- .184	- .584	50	415	- .229	.040	.099	- .380	50	465	- .085	.052	.312	- .069
50	315	- .422	.101	- .144	-1. 094	50	416	- .146	.044	.013	- .287	50	466	- .100	.057	.461	- .052
50	316	- .406	.076	- .151	- .862	50	417	- .010	.054	.166	- .169	50	467	- .117	.062	.410	- .046
50	317	- .403	.061	- .226	- .664	50	418	- .110	.078	.391	- .162	50	468	- .123	.073	.412	- .227
50	318	- .382	.053	- .243	- .586	50	419	- .215	.104	.596	- .236	50	469	- .038	.045	.233	- .071
50	319	- .370	.053	- .212	- .560	50	420	- .234	.229	.784	- .666	50	470	- .016	.049	.235	- .121
50	320	- .355	.047	- .215	- .532	50	421	- .162	.269	.989	- .764	50	471	- .058	.048	.282	- .069
50	321	- .346	.055	- .196	- .542	50	422	- .244	.046	.099	- .390	50	472	- .062	.045	.252	- .048
50	322	- .438	.105	- .137	- .970	50	423	- .159	.039	.004	- .290	50	473	- .060	.052	.331	- .090
50	323	- .415	.087	- .153	- .899	50	424	- .012	.059	.215	- .204	50	474	- .064	.058	.336	- .064
50	324	- .416	.067	- .220	- .758	50	425	- .069	.071	.382	- .106	50	475	- .099	.061	.382	- .043
50	325	- .402	.060	- .230	- .649	50	426	- .210	.111	.594	- .410	50	476	- .123	.067	.401	- .043
50	326	- .382	.060	- .194	- .664	50	427	- .194	.242	.742	- .766	50	477	- .114	.068	.480	- .048
50	327	- .371	.058	- .166	- .593	50	428	- .169	.224	.807	- .547	50	478	- .134	.069	.408	- .071
50	328	- .362	.058	- .175	- .562	50	429	- .263	.051	.089	- .442	50	479	- .148	.075	.476	- .042
50	329	- .483	.112	- .180	- .977	50	430	- .178	.043	.019	- .330	50	480	- .132	.079	.457	- .164
50	330	- .480	.101	- .185	-1. 039	50	431	- .026	.054	.179	- .192	50	481	- .106	.071	.422	- .232
50	331	- .456	.081	- .255	- .864	50	432	- .086	.071	.382	- .129	50	901	-1. 276	.330	- .225	-2. 384
50	332	- .447	.074	- .258	- .734	50	433	- .169	.100	.551	- .358	50	902	- .780	.125	- .339	-1. 245
50	333	- .417	.067	- .204	- .647	50	434	- .188	.201	.714	- .589	50	903	- .391	.061	- .215	- .640
50	334	- .408	.072	- .204	- .675	50	435	- .134	.226	.800	- .551	50	904	- .249	.119	- .035	- .792
50	335	- .405	.071	- .163	- .642	50	436	- .267	.051	.098	- .432	50	905	- .268	.079	.016	- .526
50	336	- .496	.096	- .211	-1. 303	50	437	- .171	.044	.014	- .323	50	906	- .258	.067	- .096	- .647
50	337	- .485	.094	- .135	-1. 001	50	438	- .019	.054	.196	- .173	50	907	- .081	.148	.359	- .572
50	338	- .483	.092	- .227	- .909	50	439	- .078	.068	.350	- .129	50	908	- .045	.055	.137	- .367
50	339	- .463	.087	- .241	-1. 055	50	440	- .141	.081	.448	- .276	50	909	- .098	.048	.088	- .319
50	340	- .443	.073	- .241	- .715	50	441	- .186	.177	.642	- .645	50	910	- .043	.046	.145	- .231
50	341	- .433	.074	- .244	- .829	50	442	- .168	.208	.721	- .614	50	911	- .248	.094	.168	- .505
50	342	- .436	.070	- .225	- .734	50	443	- .225	.054	.054	- .436	50	912	- .257	.033	.151	- .380
50	343	- .428	.071	- .159	- .810	50	444	- .104	.048	.082	- .276	50	913	- .377	.060	.203	- .658

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
50	914	- .487	.080	- .229	- .762	60	145	- .007	.086	.341	- .708	60	224	- .353	.056	- .080	- .738
50	915	- .676	.122	- .281	- 1.075	60	146	- .034	.050	.169	- .264	60	225	- .359	.054	- .213	- .632
50	916	- .839	.300	- .095	- 1.806	60	147	- .107	.040	.150	- .241	60	226	- .357	.058	- .199	- .713
50	917	- .378	.082	- .115	- .801	60	148	- .227	.044	- .032	- .374	60	227	- .353	.067	- .135	- .683
50	918	- .416	.076	- .171	- .937	60	149	- .291	.048	- .116	- .472	60	228	- .376	.073	- .128	- .765
50	919	- .440	.084	- .222	- 1.121	60	150	- .139	.148	- .379	- .936	60	229	- .361	.060	- .192	- .605
60	101	- .175	.228	.602	- .948	60	151	- .092	.141	.324	- .785	60	230	- .361	.057	- .196	- .592
60	102	- .020	.146	.343	- .663	60	152	- .021	.075	.234	- .395	60	231	- .368	.057	- .194	- .605
60	103	- .051	.069	.173	- .296	60	153	- .035	.052	.182	- .286	60	232	- .376	.060	- .219	- .690
60	104	- .053	.057	.139	- .243	60	154	- .106	.045	.122	- .313	60	233	- .374	.061	- .190	- .582
60	105	- .082	.047	.092	- .241	60	155	- .215	.040	- .078	- .359	60	234	- .393	.072	- .168	- .646
60	106	- .143	.039	.004	- .290	60	156	- .281	.048	- .148	- .464	60	235	- .411	.076	- .147	- .724
60	107	- .200	.038	- .069	- .343	60	157	- .028	.072	.221	- .316	60	236	- .389	.065	- .181	- .692
60	108	- .050	.220	.725	- .777	60	158	- .026	.058	.195	- .249	60	237	- .384	.068	- .196	- .614
60	109	.131	.206	.613	- .537	60	159	- .052	.048	.251	- .260	60	238	- .390	.064	- .230	- .641
60	110	.128	.092	.474	- .144	60	160	- .080	.042	.081	- .198	60	239	- .397	.059	- .232	- .633
60	111	.059	.070	.291	- .159	60	161	- .067	.112	.469	- .519	60	240	- .406	.069	- .226	- .703
60	112	- .026	.053	.201	- .187	60	162	- .045	.118	.304	- .633	60	241	- .451	.075	- .237	- .744
60	113	- .144	.041	.006	- .288	60	163	- .010	.074	.347	- .320	60	242	- .456	.075	- .219	- .839
60	114	- .214	.040	- .082	- .369	60	164	- .010	.073	.367	- .393	60	243	- .450	.082	- .226	- .873
60	115	.103	.241	.843	- 1.060	60	165	- .004	.070	.332	- .189	60	244	- .467	.111	- .243	- 1.434
60	116	.170	.228	.783	- .706	60	166	- .017	.059	.268	- .267	60	245	- .393	.067	- .185	- .626
60	117	.174	.095	.500	- .080	60	167	- .021	.052	.255	- .168	60	246	- .381	.074	- .185	- .654
60	118	.070	.066	.321	- .114	60	168	- .052	.053	.206	- .188	60	247	- .385	.078	- .196	- .755
60	119	- .041	.048	.120	- .180	60	169	- .078	.045	.124	- .205	60	248	- .401	.077	- .192	- .658
60	120	- .174	.036	.047	- .307	60	170	- .178	.040	- .016	- .310	60	249	- .420	.071	- .207	- .714
60	121	- .234	.037	.112	- .376	60	171	- .223	.044	- .084	- .392	60	250	- .443	.084	- .213	- .813
60	122	.092	.231	.746	- 1.069	60	201	- .315	.057	- .130	- .546	60	251	- .463	.114	- .258	- 1.603
60	123	.109	.219	.744	- .788	60	202	- .314	.053	- .155	- .516	60	252	- .429	.082	- .233	- .890
60	124	.143	.091	.405	- .179	60	203	- .328	.054	- .175	- .518	60	253	- .419	.079	- .222	- .929
60	125	.060	.068	.326	- .132	60	204	- .320	.055	- .162	- .516	60	254	- .428	.079	- .233	- .746
60	126	- .053	.049	.186	- .183	60	205	- .329	.060	- .122	- .702	60	255	- .423	.079	- .181	- .763
60	127	- .187	.037	.039	- .301	60	206	- .344	.063	- .144	- .563	60	256	- .412	.079	- .200	- .806
60	128	- .255	.041	- .084	- .435	60	207	- .355	.073	- .091	- .671	60	257	- .409	.083	- .003	- .791
60	129	.013	.238	.693	- 1.285	60	208	- .321	.051	- .163	- .522	60	258	- .390	.082	- .157	- .639
60	130	.061	.230	.637	- .830	60	209	- .325	.052	- .180	- .611	60	259	- .403	.077	- .179	- .677
60	131	.105	.085	.397	- .589	60	210	- .331	.050	- .201	- .554	60	260	- .387	.072	- .194	- .641
60	132	.029	.063	.251	- .140	60	211	- .339	.056	- .171	- .601	60	261	- .397	.081	- .156	- .804
60	133	- .072	.047	.139	- .220	60	212	- .341	.056	- .046	- .573	60	262	- .420	.092	- .173	- 1.096
60	134	- .204	.037	- .059	- .336	60	213	- .359	.063	- .186	- .884	60	263	- .422	.090	- .177	- .895
60	135	- .274	.045	- .110	- .441	60	214	- .379	.072	- .150	- .808	60	264	- .426	.087	- .186	- .831
60	136	- .013	.239	.710	- 1.350	60	215	- .332	.049	- .192	- .544	60	265	- .401	.080	- .184	- .779
60	137	.022	.229	.837	- 1.208	60	216	- .339	.048	- .194	- .554	60	266	- .402	.072	- .209	- .711
60	138	.066	.085	.384	- .256	60	217	- .339	.050	- .180	- .527	60	267	- .413	.090	- .222	- .922
60	139	.000	.062	.315	- .293	60	218	- .359	.049	- .213	- .567	60	268	- .422	.092	- .180	- .939
60	140	- .092	.044	.107	- .230	60	219	- .358	.056	- .171	- .656	60	269	- .409	.094	- .108	- .863
60	141	- .221	.039	- .067	- .347	60	220	- .359	.063	- .150	- .743	60	270	- .381	.104	- .108	- .876
60	142	- .285	.048	- .151	- .439	60	221	- .365	.071	- .108	- .724	60	271	- .381	.084	- .127	- .702
60	143	- .110	.227	.660	- 1.084	60	222	- .340	.052	- .165	- .518	60	272	- .387	.075	- .144	- .666
60	144	- .077	.190	.474	- 1.023	60	223	- .339	.052	- .194	- .520	60	273	- .395	.078	- .180	- .730

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
60	274	-397	.081	-197	-736	60	343	-446	.080	-235	-941	60	444	-053	.052	170	-237
60	275	-395	.087	-167	-728	60	344	-414	.067	-217	-737	60	445	-107	.055	123	-296
60	276	-410	.085	-116	-808	60	345	-432	.072	-232	-818	60	446	-014	.061	320	-157
60	277	-412	.088	-199	-825	60	346	-438	.079	-269	-847	60	447	-108	.063	379	-038
60	278	-399	.085	-125	-844	60	347	-414	.092	-104	-856	60	448	-182	.082	554	-002
60	279	-399	.088	-114	-874	60	348	-452	.103	-205	-1025	60	449	-213	.097	573	-006
60	280	-392	.088	-093	-823	60	349	-463	.110	-207	-1040	60	450	-243	.109	697	-166
60	281	-382	.091	-057	-732	60	401	-158	.044	-008	-304	60	451	-245	.131	790	-253
60	301	-451	.111	-070	-1279	60	402	-094	.049	.097	-266	60	452	-082	.065	258	-260
60	302	-435	.091	-170	-949	60	403	-041	.065	.225	-237	60	453	-099	.073	198	-343
60	303	-402	.064	-170	-707	60	404	-013	.070	.199	-247	60	454	-129	.067	381	-041
60	304	-386	.059	-222	-612	60	405	-031	.096	.365	-425	60	455	-111	.061	364	-038
60	305	-374	.054	-220	-574	60	406	-123	.110	.458	-279	60	456	-049	.057	315	-081
60	306	-368	.055	-210	-597	60	407	-275	.152	.738	-624	60	457	-001	.069	313	-230
60	307	-361	.053	-215	-564	60	408	-135	.048	.064	-312	60	458	-150	.062	460	-021
60	308	-454	.099	-198	-1011	60	409	-034	.058	.231	-202	60	459	-142	.062	432	-002
60	309	-439	.081	-212	-978	60	410	-131	.076	.400	-112	60	460	-119	.064	415	-053
60	310	-407	.065	-227	-1120	60	411	-246	.097	.562	-032	60	461	-149	.064	472	-025
60	311	-383	.056	-203	-604	60	412	-366	.126	.865	-063	60	462	-163	.078	503	-048
60	312	-379	.055	-196	-585	60	413	-512	.150	.992	-031	60	463	-164	.084	596	-084
60	313	-360	.052	-165	-543	60	414	-566	.173	1.125	-124	60	464	-144	.098	596	-174
60	314	-355	.053	-177	-533	60	415	-174	.043	.004	-357	60	465	-134	.067	448	-029
60	315	-484	.107	-217	-1058	60	416	-055	.053	.209	-206	60	466	-149	.071	493	-008
60	316	-449	.089	-191	-847	60	417	-126	.076	.449	-115	60	467	-144	.069	428	-008
60	317	-418	.065	-227	-854	60	418	-273	.102	.604	-051	60	468	-165	.072	521	-032
60	318	-395	.055	-239	-597	60	419	-413	.130	.815	-066	60	469	-096	.063	375	-032
60	319	-376	.053	-212	-526	60	420	-525	.154	1.027	-150	60	470	-072	.066	366	-139
60	320	-361	.048	-215	-493	60	421	-575	.168	1.041	-115	60	471	-116	.065	421	-042
60	321	-360	.048	-220	-514	60	422	-199	.047	.005	-366	60	472	-113	.064	402	-027
60	322	-528	.112	-246	-1151	60	423	-077	.047	.092	-204	60	473	-113	.068	451	-025
60	323	-489	.096	-227	-1032	60	424	-107	.077	.386	-115	60	474	-140	.067	498	-032
60	324	-457	.064	-247	-738	60	425	-252	.099	.637	-009	60	475	-173	.083	531	-003
60	325	-420	.055	-273	-616	60	426	-386	.130	.865	-033	60	476	-181	.083	597	-000
60	326	-393	.056	-220	-607	60	427	-502	.139	.989	-090	60	477	-183	.085	576	-004
60	327	-388	.055	-213	-578	60	428	-554	.158	1.002	-023	60	478	-188	.085	576	-007
60	328	-383	.056	-216	-585	60	429	-224	.051	.039	-407	60	479	-177	.079	513	-008
60	329	-549	.114	-228	-1322	60	430	-104	.053	.141	-249	60	480	-160	.076	471	-010
60	330	-523	.102	-211	-1059	60	431	-081	.069	.325	-107	60	481	-166	.069	471	-050
60	331	-489	.082	-287	-845	60	432	-222	.095	.622	-034	60	901	-538	.226	-048	-1784
60	332	-470	.074	-261	-766	60	433	-349	.115	.780	-056	60	902	-737	.143	-258	-1230
60	333	-447	.069	-266	-692	60	434	-435	.139	.862	-027	60	903	-362	.053	-150	-551
60	334	-440	.066	-232	-676	60	435	-455	.158	.877	-258	60	904	-252	.044	-100	-385
60	335	-448	.073	-223	-769	60	436	-221	.057	.008	-449	60	905	-201	.097	-398	-520
60	336	-492	.097	-244	-1124	60	437	-103	.056	.108	-275	60	906	-238	.032	-105	-357
60	337	-488	.095	-240	-997	60	438	-065	.067	.336	-107	60	907	-093	.082	-395	-275
60	338	-499	.094	-261	-986	60	439	-190	.087	.575	-029	60	908	-096	.042	-063	-223
60	339	-479	.087	-290	-919	60	440	-269	.109	.664	-046	60	909	-110	.038	-036	-262
60	340	-468	.083	-259	-859	60	441	-345	.134	.853	-025	60	910	-092	.080	-121	-422
60	341	-464	.079	-263	-888	60	442	-356	.154	.877	-194	60	911	-417	.066	-213	-731
60	342	-463	.074	-225	-883	60	443	-183	.054	.096	-396	60	912	-294	.048	-126	-552

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
60	913	- .424	.065	- .164	- .677	70	144	- .286	.213	.313	-1 .100	70	223	- .326	.043	- .196	- .481
60	914	- .394	.094	- .109	- .916	70	145	- .108	.136	.237	- .908	70	224	- .324	.048	- .174	- .513
60	915	- .702	.113	- .345	-1 .048	70	146	- .080	.057	.133	- .398	70	225	- .331	.047	- .196	- .515
60	916	-1 .315	.237	- .505	-2 .060	70	147	- .114	.040	.041	- .312	70	226	- .336	.048	- .198	- .550
60	917	- .354	.115	- .063	- .883	70	148	- .183	.045	.008	- .400	70	227	- .343	.058	- .149	- .590
60	918	- .431	.084	- .166	- .912	70	149	- .198	.042	- .031	- .366	70	228	- .372	.069	- .172	- .699
60	919	- .423	.072	- .197	- .848	70	150	- .243	.145	.179	-1 .171	70	229	- .323	.049	- .157	- .761
70	101	- .562	.217	- .179	-1 .517	70	151	- .208	.145	.200	- .867	70	230	- .324	.047	- .204	- .502
70	102	- .381	.214	.133	-1 .031	70	152	- .122	.122	.200	- .776	70	231	- .337	.052	- .189	- .528
70	103	- .115	.056	.082	- .534	70	153	- .080	.066	.127	- .579	70	232	- .330	.051	- .178	- .553
70	104	- .109	.044	.097	- .251	70	154	- .110	.040	.017	- .305	70	233	- .335	.054	- .180	- .545
70	105	- .120	.035	.058	- .227	70	155	- .155	.038	- .039	- .322	70	234	- .364	.068	- .194	- .639
70	106	- .164	.032	- .048	- .277	70	156	- .179	.041	- .063	- .344	70	235	- .407	.074	- .174	- .699
70	107	- .212	.036	- .087	- .324	70	157	- .098	.034	.196	- .566	70	236	- .310	.056	- .167	- .594
70	108	- .395	.247	.421	-1 .266	70	158	- .086	.070	.112	- .456	70	237	- .310	.066	- .159	- .811
70	109	- .357	.229	.343	-1 .141	70	159	- .086	.052	.146	- .378	70	238	- .320	.060	- .165	- .639
70	110	- .006	.080	.250	- .584	70	160	- .093	.041	.101	- .372	70	239	- .344	.059	- .208	- .716
70	111	- .042	.052	.166	- .400	70	161	- .166	.118	.142	- .819	70	240	- .361	.068	- .172	- .673
70	112	- .093	.043	.133	- .264	70	162	- .167	.129	.198	- .843	70	241	- .415	.077	- .182	- .847
70	113	- .184	.034	- .063	- .320	70	163	- .057	.100	.207	- .908	70	242	- .422	.083	- .062	- .749
70	114	- .231	.035	.087	- .374	70	164	- .061	.085	.244	- .474	70	243	- .417	.103	- .168	-1 .057
70	115	- .377	.278	.727	-1 .439	70	165	- .050	.073	.207	- .430	70	244	- .433	.102	- .194	-1 .109
70	116	- .310	.267	.505	-1 .348	70	166	- .048	.056	.185	- .486	70	245	- .234	.056	- .088	- .568
70	117	- .002	.135	.328	- .942	70	167	- .062	.051	.144	- .254	70	246	- .250	.061	- .103	- .572
70	118	- .034	.051	.181	- .242	70	168	- .070	.044	.131	- .243	70	247	- .263	.052	- .137	- .533
70	119	- .109	.038	.051	- .260	70	169	- .087	.040	.085	- .263	70	248	- .290	.074	- .148	- .637
70	120	- .204	.032	- .091	- .324	70	170	- .135	.039	.023	- .287	70	249	- .309	.069	- .140	- .594
70	121	- .248	.035	- .119	- .396	70	171	- .163	.046	- .010	- .378	70	250	- .389	.096	- .135	- .925
70	122	- .391	.267	.444	-1 .355	70	201	- .290	.051	- .142	- .497	70	251	- .407	.099	- .179	-1 .158
70	123	- .294	.266	.475	-1 .214	70	202	- .297	.052	- .159	- .522	70	252	- .390	.080	- .140	- .780
70	124	- .021	.122	.291	- .821	70	203	- .311	.051	- .155	- .512	70	253	- .386	.078	- .183	- .782
70	125	- .039	.057	.183	- .369	70	204	- .304	.048	- .176	- .490	70	254	- .354	.096	- .129	- .884
70	126	- .119	.041	- .107	- .341	70	205	- .312	.056	- .134	- .808	70	255	- .382	.090	- .161	- .808
70	127	- .220	.033	- .105	- .321	70	206	- .330	.054	- .128	- .501	70	256	- .373	.088	- .137	- .704
70	128	- .257	.036	- .114	- .384	70	207	- .347	.072	- .098	- .716	70	257	- .378	.079	- .111	- .715
70	129	- .355	.255	.388	-1 .399	70	208	- .309	.048	- .160	- .479	70	258	- .225	.069	- .051	- .529
70	130	- .310	.276	.475	-1 .416	70	209	- .303	.048	- .153	- .503	70	259	- .227	.061	- .088	- .516
70	131	- .030	.131	.280	- .916	70	210	- .305	.045	- .166	- .475	70	260	- .250	.066	- .096	- .509
70	132	- .057	.054	.146	- .458	70	211	- .315	.050	- .170	- .509	70	261	- .280	.082	- .100	- .697
70	133	- .121	.041	.068	- .287	70	212	- .323	.050	- .177	- .501	70	262	- .258	.074	- .061	- .665
70	134	- .219	.036	- .105	- .434	70	213	- .334	.051	- .153	- .565	70	263	- .292	.086	- .076	- .707
70	135	- .270	.041	- .161	- .410	70	214	- .345	.067	- .142	- .795	70	264	- .315	.088	- .066	- .682
70	136	- .385	.286	.550	-1 .868	70	215	- .314	.044	- .177	- .505	70	265	- .265	.079	- .100	- .688
70	137	- .279	.268	.405	-1 .615	70	216	- .319	.043	- .196	- .464	70	266	- .254	.062	- .089	- .601
70	138	- .070	.117	.265	- .782	70	217	- .323	.044	- .194	- .490	70	267	- .257	.070	- .005	- .601
70	139	- .070	.053	.109	- .525	70	218	- .333	.044	- .206	- .556	70	268	- .243	.076	- .066	- .741
70	140	- .121	.040	- .044	- .484	70	219	- .329	.052	- .162	- .530	70	269	- .342	.113	- .012	- .833
70	141	- .208	.040	- .090	- .354	70	220	- .334	.053	- .162	- .575	70	270	- .358	.085	- .008	- .901
70	142	- .253	.045	- .133	- .501	70	221	- .354	.068	- .102	- .637	70	271	- .242	.082	- .066	- .650
70	143	- .304	.225	.483	-1 .430	70	222	- .322	.047	- .177	- .543	70	272	- .228	.060	- .087	- .520

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
70	273	- .239	.061	- .106	- .533	70	342	- .498	.102	- .240	- 1.048	70	443	- .158	.067	.094	- .534
70	274	- .249	.070	- .079	- .987	70	343	- .466	.072	- .162	- .699	70	444	- .009	.070	.285	- .279
70	275	- .251	.064	- .117	- .788	70	344	- .395	.073	- .131	- .725	70	445	- .067	.062	.202	- .296
70	276	- .257	.065	- .102	- .605	70	345	- .402	.070	- .131	- .725	70	446	- .068	.076	.449	- .163
70	277	- .251	.070	- .074	- .684	70	346	- .407	.089	- .158	- .802	70	447	- .150	.084	.528	- .030
70	278	- .279	.085	- .008	- .684	70	347	- .423	.106	- .169	- .991	70	448	- .210	.085	.568	- .037
70	279	- .293	.088	- .061	- .624	70	348	- .465	.121	- .075	- 1.223	70	449	- .256	.097	.693	- .034
70	280	- .327	.099	- .038	- .756	70	349	- .509	.128	- .206	- 1.186	70	450	- .223	.130	.813	- .114
70	281	- .326	.082	- .138	- .776	70	401	- .133	.049	.072	- .317	70	451	- .179	.159	.805	- .335
70	301	- .448	.144	- .088	- 1.199	70	402	- .060	.057	.136	- .245	70	452	- .010	.076	.290	- .238
70	302	- .440	.116	- .100	- 1.209	70	403	- .016	.076	.286	- .240	70	453	- .023	.085	.281	- .313
70	303	- .403	.089	- .124	- .952	70	404	- .066	.089	.414	- .217	70	454	- .163	.088	.534	- .030
70	304	- .395	.067	- .105	- .805	70	405	- .067	.108	.391	- .253	70	455	- .164	.077	.455	- .024
70	305	- .404	.059	- .214	- .646	70	406	- .288	.130	.670	- .194	70	456	- .107	.067	.328	- .090
70	306	- .385	.053	- .219	- .591	70	407	- .402	.168	.844	- .243	70	457	- .039	.081	.470	- .165
70	307	- .373	.051	- .202	- .722	70	408	- .066	.054	.172	- .253	70	458	- .172	.071	.448	- .002
70	308	- .456	.112	- .162	- 1.245	70	409	- .071	.072	.346	- .180	70	459	- .174	.074	.476	- .000
70	309	- .434	.096	- .169	- 1.005	70	410	- .243	.097	.609	- .112	70	460	- .160	.074	.536	- .022
70	310	- .405	.076	- .090	- .986	70	411	- .358	.122	.867	- .006	70	461	- .157	.074	.567	- .003
70	311	- .389	.068	- .171	- 1.195	70	412	- .492	.142	.931	- .071	70	462	- .153	.083	.546	- .060
70	312	- .371	.052	- .197	- .653	70	413	- .535	.174	1.062	- .006	70	463	- .124	.082	.589	- .126
70	313	- .367	.052	- .212	- .570	70	414	- .588	.163	1.135	- .076	70	464	- .084	.109	.653	- .245
70	314	- .364	.053	- .181	- .539	70	415	- .038	.054	.121	- .337	70	465	- .158	.073	.432	- .017
70	315	- .492	.133	- .226	- 1.237	70	416	- .038	.069	.292	- .173	70	466	- .187	.083	.560	- .007
70	316	- .468	.110	- .117	- 1.007	70	417	- .262	.102	.600	- .065	70	467	- .178	.080	.493	- .076
70	317	- .425	.074	- .193	- .964	70	418	- .406	.124	.766	- .048	70	468	- .161	.082	.622	- .076
70	318	- .391	.056	- .214	- .629	70	419	- .528	.147	.996	- .149	70	469	- .118	.065	.381	- .048
70	319	- .372	.051	- .200	- .608	70	420	- .602	.153	1.041	- .114	70	470	- .113	.073	.417	- .071
70	320	- .357	.047	- .223	- .608	70	421	- .563	.170	1.022	- .034	70	471	- .142	.070	.450	- .019
70	321	- .355	.050	- .207	- .565	70	422	- .133	.052	.170	- .321	70	472	- .147	.073	.455	- .040
70	322	- .516	.125	- .150	- 1.145	70	423	- .014	.058	.198	- .147	70	473	- .166	.078	.503	- .001
70	323	- .491	.115	- .133	- 1.119	70	424	- .230	.094	.572	- .072	70	474	- .168	.078	.616	- .068
70	324	- .444	.079	- .229	- .790	70	425	- .377	.125	.832	- .006	70	475	- .196	.090	.581	- .013
70	325	- .431	.075	- .219	- .905	70	426	- .482	.153	.975	- .015	70	476	- .214	.098	.642	- .011
70	326	- .404	.067	- .195	- .836	70	427	- .524	.165	1.090	- .083	70	477	- .210	.096	.642	- .015
70	327	- .394	.062	- .229	- .767	70	428	- .476	.161	.964	- .001	70	478	- .206	.095	.586	- .011
70	328	- .397	.063	- .198	- .662	70	429	- .175	.063	.049	- .416	70	479	- .200	.094	.532	- .034
70	329	- .530	.130	- .136	- 1.312	70	430	- .029	.068	.188	- .225	70	480	- .134	.081	.617	- .051
70	330	- .506	.120	- .093	- 1.195	70	431	- .178	.093	.532	- .093	70	481	- .057	.073	.383	- .161
70	331	- .496	.097	- .206	- .986	70	432	- .343	.125	.848	- .027	70	901	- .344	.211	.034	- 1.178
70	332	- .479	.086	- .214	- .838	70	433	- .428	.129	.832	- .027	70	902	- .488	.134	- .093	- 1.027
70	333	- .474	.093	- .198	- .905	70	434	- .461	.152	1.006	- .056	70	903	- .283	.059	- .102	- .473
70	334	- .462	.079	- .267	- .855	70	435	- .422	.148	.876	- .029	70	904	- .296	.055	- .109	- .659
70	335	- .451	.085	- .236	- .998	70	436	- .180	.061	.202	- .525	70	905	- .033	.139	.393	- .381
70	336	- .467	.123	- .038	- 1.007	70	437	- .045	.065	.214	- .277	70	906	- .272	.046	- .100	- .494
70	337	- .458	.118	- .057	- 1.026	70	438	- .138	.081	.461	- .088	70	907	- .048	.065	.273	- .194
70	338	- .489	.118	- .069	- 1.052	70	439	- .251	.106	.655	- .001	70	908	- .125	.052	.039	- .352
70	339	- .514	.113	- .229	- 1.126	70	440	- .339	.136	.782	- .027	70	909	- .130	.050	.077	- .320
70	340	- .514	.105	- .262	- 1.045	70	441	- .353	.146	.794	- .124	70	910	- .270	.092	- .043	- .646
70	341	- .491	.098	- .264	- 1.026	70	442	- .297	.150	.801	- .199	70	911	- .477	.069	- .277	- .781

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
70	912	- .373	.085	- .137	- .719	80	143	- .634	.244	- .065	- 1.836	80	222	- .307	.080	- .086	- .832
70	913	- .447	.066	- .217	- .686	80	144	- .620	.235	- .085	- 2.005	80	223	- .300	.062	- .127	- .746
70	914	- .523	.149	- .122	- 1.055	80	145	- .416	.214	- .037	- 1.515	80	224	- .300	.065	- .108	- .611
70	915	- .633	.094	- .380	- 1.032	80	146	- .256	.153	- .095	- 1.176	80	225	- .361	.064	- .099	- .598
70	916	- 1.235	.226	- .498	- 2.031	80	147	- .191	.082	- .095	- .701	80	226	- .294	.064	- .116	- .553
70	917	- .310	.161	- .341	- 1.039	80	148	- .195	.064	- .061	- .608	80	227	- .319	.073	- .021	- .707
70	918	- .414	.096	- .065	- .929	80	149	- .212	.063	- .013	- .738	80	228	- .348	.081	- .122	- .665
70	919	- .361	.079	- .140	- .925	80	150	- .476	.194	- .046	- 1.749	80	229	- .319	.073	- .110	- .997
80	101	- 1.113	.311	- .332	- 2.435	80	151	- .473	.195	- .026	- 1.556	80	230	- .321	.078	- .144	- .693
80	102	- .992	.228	- .350	- 1.780	80	152	- .360	.199	- .022	- 1.415	80	231	- .318	.072	- .112	- .655
80	103	- .466	.207	- .113	- 1.328	80	153	- .221	.133	- .106	- .912	80	232	- .305	.068	- .138	- .691
80	104	- .224	.074	- .050	- .905	80	154	- .177	.081	- .223	- .679	80	233	- .307	.062	- .161	- .579
80	105	- .190	.043	- .011	- .625	80	155	- .172	.047	- .035	- .412	80	234	- .336	.072	- .140	- .592
80	106	- .203	.043	- .044	- .404	80	156	- .178	.043	- .011	- .428	80	235	- .344	.083	- .103	- .670
80	107	- .237	.047	- .091	- .423	80	157	- .327	.152	- .004	- 1.137	80	236	- .307	.075	- .101	- .732
80	108	- .963	.210	- .350	- 1.817	80	158	- .222	.107	- .037	- .807	80	237	- .362	.078	- .133	- .831
80	109	- .950	.236	- .278	- 1.934	80	159	- .187	.089	- .152	- .823	80	238	- .307	.068	- .142	- .670
80	110	- .621	.304	- .026	- 1.560	80	160	- .174	.061	- .026	- .569	80	239	- .313	.061	- .172	- .573
80	111	- .250	.157	- .197	- 1.081	80	161	- .393	.166	- .019	- 1.712	80	240	- .311	.066	- .151	- .586
80	112	- .187	.058	- .041	- .656	80	162	- .378	.166	- .086	- 1.682	80	241	- .325	.077	- .153	- .769
80	113	- .220	.054	- .066	- .538	80	163	- .291	.179	- .165	- 1.311	80	242	- .329	.083	- .140	- .765
80	114	- .241	.053	- .095	- .460	80	164	- .261	.149	- .108	- .948	80	243	- .380	.107	- .153	- .940
80	115	- .745	.197	- .150	- 2.068	80	165	- .180	.097	- .141	- .790	80	244	- .388	.125	- .153	- 1.203
80	116	- .787	.201	- .180	- 1.988	80	166	- .160	.093	- .088	- .921	80	245	- .226	.053	- .084	- .619
80	117	- .666	.264	- .028	- 1.595	80	167	- .159	.076	- .064	- .964	80	246	- .221	.050	- .079	- .447
80	118	- .415	.240	- .054	- 1.285	80	168	- .144	.057	- .147	- .492	80	247	- .236	.046	- .075	- .449
80	119	- .250	.123	- .052	- 1.037	80	169	- .143	.050	- .040	- .514	80	248	- .254	.052	- .119	- .488
80	120	- .244	.068	- .015	- .666	80	170	- .152	.039	- .081	- .447	80	249	- .263	.051	- .129	- .471
80	121	- .259	.063	- .072	- .593	80	171	- .158	.039	- .025	- .397	80	250	- .336	.090	- .140	- .755
80	122	- .744	.221	- .111	- 1.999	80	201	- .276	.060	- .099	- .479	80	251	- .397	.118	- .110	- 1.032
80	123	- .794	.218	- .185	- 2.107	80	202	- .277	.062	- .084	- .506	80	252	- .304	.074	- .103	- .686
80	124	- .678	.251	- .025	- 1.581	80	203	- .283	.068	- .095	- .521	80	253	- .297	.069	- .138	- .640
80	125	- .429	.234	- .101	- 1.262	80	204	- .301	.069	- .099	- .666	80	254	- .275	.061	- .095	- .536
80	126	- .293	.163	- .097	- 1.208	80	205	- .315	.091	- .050	- .982	80	255	- .276	.064	- .125	- .671
80	127	- .263	.082	- .010	- .779	80	206	- .342	.084	- .061	- .883	80	256	- .242	.060	- .082	- .556
80	128	- .275	.079	- .023	- .888	80	207	- .368	.120	- .014	- 1.009	80	257	- .300	.071	- .112	- .642
80	129	- .759	.245	- .071	- 2.349	80	208	- .289	.069	- .076	- .645	80	258	- .192	.044	- .075	- .384
80	130	- .788	.244	- .112	- 1.942	80	209	- .287	.065	- .093	- .521	80	259	- .195	.043	- .032	- .397
80	131	- .574	.260	- .014	- 1.540	80	210	- .293	.064	- .123	- .521	80	260	- .210	.047	- .063	- .444
80	132	- .386	.208	- .023	- 1.225	80	211	- .308	.068	- .106	- .665	80	261	- .223	.047	- .067	- .540
80	133	- .269	.138	- .021	- 1.045	80	212	- .304	.070	- .065	- .684	80	262	- .207	.044	- .041	- .421
80	134	- .270	.084	- .014	- .871	80	213	- .336	.086	- .097	- .770	80	263	- .197	.049	- .061	- .493
80	135	- .287	.084	- .043	- 1.145	80	214	- .350	.099	- .071	- 1.131	80	264	- .201	.056	- .016	- .594
80	136	- .736	.277	- .179	- 2.227	80	215	- .361	.075	- .059	- .763	80	265	- .269	.048	- .076	- .431
80	137	- .708	.292	- .005	- 2.547	80	216	- .306	.072	- .086	- .677	80	266	- .234	.054	- .078	- .478
80	138	- .518	.262	- .066	- 1.890	80	217	- .300	.067	- .061	- .590	80	267	- .225	.051	- .093	- .519
80	139	- .323	.187	- .036	- 1.336	80	218	- .306	.064	- .101	- .596	80	268	- .204	.045	- .071	- .513
80	140	- .231	.098	- .027	- .884	80	219	- .294	.062	- .108	- .517	80	269	- .216	.076	- .012	- .652
80	141	- .253	.077	- .047	- .799	80	220	- .311	.065	- .125	- .662	80	270	- .276	.062	- .104	- .622
80	142	- .266	.068	- .049	- .708	80	221	- .326	.079	- .009	- .770	80	271	- .194	.049	- .031	- .421

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
80	272	-196	.046	-.020	-.406	80	341	-.596	.158	-.193	-1.551	80	442	-.230	.153	.773	-.202
80	273	-.204	.047	-.067	-.414	80	342	-.582	.142	-.267	-1.453	80	443	-.131	.094	.220	-.560
80	274	-.227	.053	-.089	-.498	80	343	-.328	.072	-.149	-.658	80	444	-.031	.081	.334	-.198
80	275	-.219	.048	-.089	-.457	80	344	-.310	.066	-.099	-.653	80	445	-.033	.083	.285	-.405
80	276	-.225	.047	-.099	-.480	80	345	-.311	.073	-.049	-.655	80	446	-.099	.088	.530	-.124
80	277	-.210	.044	-.080	-.436	80	346	-.362	.115	-.036	-.960	80	447	-.200	.091	.774	-.017
80	278	-.177	.045	-.016	-.429	80	347	-.420	.167	-.080	-1.411	80	448	-.265	.106	.698	-.034
80	279	-.181	.051	-.020	-.450	80	348	-.629	.231	-.084	-1.715	80	449	-.252	.108	.668	-.005
80	280	-.218	.072	-.035	-.530	80	349	-.696	.241	-.034	-2.172	80	450	-.211	.139	.711	-.126
80	281	-.246	.056	-.104	-.519	80	401	-.124	.062	.138	-.350	80	451	-.086	.155	.691	-.346
80	3001	-.456	.189	-.186	-1.444	80	402	-.031	.067	.222	-.257	80	452	-.046	.084	.377	-.226
80	3002	-.437	.144	-.002	-1.558	80	403	-.029	.081	.286	-.222	80	453	-.051	.095	.390	-.299
80	3003	-.455	.130	-.033	-1.282	80	404	-.104	.095	.436	-.224	80	454	-.231	.095	.593	-.002
80	3004	-.505	.112	-.090	-1.133	80	405	-.136	.119	.471	-.290	80	455	-.179	.085	.533	-.008
80	3005	-.495	.077	-.187	-.919	80	406	-.325	.130	.666	-.185	80	456	-.106	.067	.349	-.088
80	3006	-.473	.070	-.279	-.762	80	407	-.318	.153	.780	-.203	80	457	-.096	.086	.474	-.157
80	3007	-.474	.071	-.266	-.779	80	408	-.017	.074	.241	-.243	80	458	-.200	.078	.498	.011
80	3008	-.475	.146	-.038	-1.140	80	409	-.143	.092	.431	-.211	80	459	-.194	.084	.526	.000
80	3009	-.441	.129	.012	-1.073	80	410	-.322	.112	.645	-.030	80	460	-.203	.094	.603	-.007
80	3010	-.443	.113	.266	-.943	80	411	-.451	.145	.873	-.004	80	461	-.191	.086	.634	-.005
80	3011	-.471	.106	-.114	-1.104	80	412	-.555	.161	1.028	.071	80	462	-.162	.087	.573	-.178
80	3012	-.453	.084	-.202	-.935	80	413	-.574	.158	1.124	.095	80	463	-.098	.094	.525	-.147
80	3013	-.442	.083	-.218	-.821	80	414	-.443	.159	.964	-.088	80	464	-.020	.107	.565	-.280
80	3014	-.426	.077	-.206	-.783	80	415	-.045	.073	.224	-.297	80	465	-.209	.087	.592	.003
80	3015	-.527	.196	-.050	-1.460	80	416	-.121	.084	.422	-.164	80	466	-.216	.098	.670	-.038
80	3016	-.496	.163	-.043	-1.171	80	417	-.358	.115	.779	-.006	80	467	-.211	.095	.588	.007
80	3017	-.458	.117	-.102	-1.135	80	418	-.496	.139	.884	.130	80	468	-.177	.087	.603	-.021
80	3018	-.455	.104	-.021	-1.104	80	419	-.585	.152	1.089	.142	80	469	-.161	.082	.565	-.002
80	3019	-.425	.082	-.218	-.950	80	420	-.563	.168	1.044	-.078	80	470	-.156	.084	.507	-.069
80	3020	-.398	.073	-.199	-.729	80	421	-.418	.154	.891	-.081	80	471	-.183	.085	.567	-.014
80	3021	-.397	.077	-.202	-.764	80	422	-.081	.079	.226	-.401	80	472	-.205	.085	.591	.012
80	3022	-.525	.204	-.026	-1.809	80	423	-.093	.075	.363	-.201	80	473	-.222	.099	.614	.003
80	3023	-.503	.161	-.047	-1.370	80	424	-.318	.120	.689	-.044	80	474	-.215	.087	.567	.020
80	3024	-.482	.123	-.048	-1.053	80	425	-.476	.134	.901	.114	80	475	-.245	.105	.750	-.011
80	3025	-.491	.115	-.191	-1.217	80	426	-.525	.154	1.035	.095	80	476	-.255	.110	.736	.039
80	3026	-.451	.091	-.212	-.910	80	427	-.506	.163	1.028	.020	80	477	-.254	.109	.694	.041
80	3027	-.444	.094	-.217	-.996	80	428	-.347	.147	.820	-.145	80	478	-.258	.104	.640	.001
80	3028	-.433	.084	-.205	-.805	80	429	-.124	.070	.122	-.369	80	479	-.239	.105	.685	-.022
80	3029	-.466	.171	-.002	-1.275	80	430	-.034	.082	.284	-.270	80	480	-.107	.074	.421	-.693
80	3030	-.468	.155	-.033	-1.060	80	431	-.266	.102	.617	-.018	80	481	-.000	.068	.320	-.265
80	3031	-.507	.139	-.043	-1.120	80	432	-.398	.121	.841	-.036	80	901	-.798	.209	.008	-1.338
80	3032	-.548	.125	-.162	-1.196	80	433	-.452	.141	.893	-.034	80	902	-.342	.126	-.044	-.801
80	3033	-.535	.112	-.155	-1.139	80	434	-.423	.150	.921	-.044	80	903	-.206	.065	.013	-.595
80	3034	-.513	.106	-.214	-1.077	80	435	-.299	.144	.780	-.133	80	904	-.544	.184	-.161	-1.244
80	3035	-.519	.108	-.224	-1.079	80	436	-.152	.082	.228	-.518	80	905	-.011	.092	.296	-.407
80	3036	-.375	.118	-.069	-.934	80	437	-.015	.084	.313	-.251	80	906	-.340	.095	.088	-.742
80	3037	-.366	.132	-.046	-.953	80	438	-.196	.104	.652	-.032	80	907	-.077	.109	.265	-.489
80	3038	-.423	.146	-.010	-1.058	80	439	-.309	.110	.728	-.048	80	908	-.236	.096	.065	-.553
80	3039	-.527	.144	-.148	-1.184	80	440	-.368	.133	.839	-.022	80	909	-.269	.097	.074	-.614
80	440	-.597	.161	-.122	-1.391	80	441	-.331	.152	.822	-.039	80	910	-.472	.098	-.101	-.933

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
80	911	-614	.096	-362	-1.096	90	142	-338	.150	.036	-1.217	90	221	-321	.111	-.026	-.972
80	912	-577	.103	-228	-.989	90	143	-658	.248	-.179	-2.155	90	222	-361	.147	-.019	-.939
80	913	-615	.086	-334	-.978	90	144	-666	.241	-.172	-2.370	90	223	-331	.095	-.082	-.843
80	914	-716	.126	-213	-1.295	90	145	-582	.247	.080	-1.959	90	224	-303	.092	-.007	-.735
80	915	-708	.108	-232	-1.101	90	146	-453	.225	.091	-1.525	90	225	-283	.071	-.076	-.615
80	916	-951	.194	-463	-1.779	90	147	-297	.155	.159	-1.153	90	226	-268	.069	-.080	-.722
80	917	-339	.198	-357	-1.329	90	148	-253	.121	.087	-1.798	90	227	-289	.102	-.011	-.950
80	918	-358	.097	-114	-.791	90	149	-259	.130	.113	-1.050	90	228	-296	.090	-.056	-.832
80	919	-303	.065	-147	-.614	90	150	-581	.199	-.129	-2.063	90	229	-332	.112	-.047	-.912
90	101	-725	.188	-270	-1.928	90	151	-363	.203	-.087	-2.255	90	230	-325	.102	-.045	-1.198
90	102	-716	.168	-307	-1.536	90	152	-581	.269	-.011	-2.100	90	231	-287	.075	-.084	-1.014
90	103	-742	.174	-140	-1.571	90	153	-348	.200	-.248	-1.427	90	232	-276	.060	-.123	-.590
90	104	-580	.195	-044	-1.248	90	154	-220	.106	.174	-.808	90	233	-274	.061	-.099	-.664
90	105	-403	.176	-000	-1.235	90	155	-185	.070	.095	-.682	90	234	-281	.074	-.110	-.718
90	106	-319	.128	-028	-.933	90	156	-188	.062	-.003	-.837	90	235	-275	.076	-.110	-.828
90	107	-322	.121	-026	-1.083	90	157	-463	.189	.104	-1.364	90	236	-320	.116	-.075	-1.083
90	108	-703	.165	-255	-1.521	90	158	-364	.171	.150	-1.471	90	237	-301	.089	-.104	-.891
90	109	-698	.174	-262	-1.449	90	159	-277	.146	.200	-1.405	90	238	-285	.075	-.086	-.685
90	110	-745	.201	-004	-1.800	90	160	-218	.097	.006	-.811	90	239	-280	.055	-.110	-.538
90	111	-636	.210	-100	-1.425	90	161	-547	.196	-.129	-1.551	90	240	-272	.056	-.125	-.538
90	112	-455	.189	-235	-1.216	90	162	-555	.200	.083	-1.779	90	241	-268	.061	-.112	-.556
90	113	-334	.151	-154	-1.050	90	163	-439	.212	.069	-1.540	90	242	-268	.058	-.121	-.499
90	114	-332	.155	-133	-1.407	90	164	-391	.199	.095	-1.475	90	243	-315	.090	-.139	-1.129
90	115	-605	.180	-229	-2.035	90	165	-279	.151	.150	-.970	90	244	-319	.101	-.141	-.974
90	116	-607	.181	-066	-1.961	90	166	-232	.142	.234	-1.003	90	245	-246	.082	-.045	-.752
90	117	-659	.203	-045	-1.752	90	167	-200	.099	.162	-.789	90	246	-250	.079	-.052	-.998
90	118	-640	.196	-003	-1.407	90	168	-188	.093	.099	-1.116	90	247	-242	.064	-.041	-.534
90	119	-491	.188	-204	-1.192	90	169	-168	.064	.105	-.678	90	248	-257	.054	-.115	-.490
90	120	-427	.186	-011	-1.442	90	170	-166	.053	.101	-.536	90	249	-257	.055	-.124	-.492
90	121	-451	.208	-017	-1.314	90	171	-171	.051	-.019	-.713	90	250	-364	.088	-.130	-.837
90	122	-604	.188	-170	-1.921	90	201	-329	.095	-.093	-.911	90	251	-347	.127	-.124	-1.332
90	123	-625	.210	-096	-1.752	90	202	-329	.088	-.078	-.748	90	252	-282	.073	-.097	-.625
90	124	-644	.211	-106	-1.577	90	203	-324	.092	-.032	-.752	90	253	-284	.069	-.132	-.575
90	125	-597	.218	-158	-1.535	90	204	-325	.093	-.073	-1.042	90	254	-251	.058	-.089	-.641
90	126	-494	.216	-238	-1.395	90	205	-320	.102	-.063	-.903	90	255	-271	.065	-.121	-.619
90	127	-425	.206	-103	-1.341	90	206	-318	.089	-.065	-.699	90	256	-227	.051	-.095	-.462
90	128	-453	.230	-095	-1.391	90	207	-332	.110	-.050	-.744	90	257	-268	.061	-.111	-.560
90	129	-649	.215	-161	-1.795	90	208	-326	.105	.013	-.946	90	258	-198	.056	-.032	-.468
90	130	-645	.233	-067	-2.163	90	209	-330	.099	-.026	-.937	90	259	-204	.052	-.073	-.453
90	131	-659	.219	-119	-1.690	90	210	-332	.088	-.093	-.800	90	260	-212	.055	-.052	-.462
90	132	-584	.215	-038	-1.518	90	211	-332	.096	-.071	-.759	90	261	-228	.054	-.082	-.507
90	133	-457	.197	-060	-1.380	90	212	-314	.096	-.067	-.789	90	262	-208	.048	-.095	-.396
90	134	-390	.181	-208	-1.295	90	213	-331	.110	-.018	-1.004	90	263	-189	.043	-.041	-.443
90	135	-406	.211	-064	-1.810	90	214	-341	.117	-.024	-1.283	90	264	-185	.042	-.063	-.437
90	136	-673	.255	-143	-2.240	90	215	-356	.133	-.022	-.892	90	265	-214	.052	-.058	-.516
90	137	-663	.264	-028	-2.113	90	216	-341	.113	-.048	-.933	90	266	-231	.059	-.069	-.593
90	138	-631	.230	-082	-1.775	90	217	-312	.087	-.035	-.847	90	267	-225	.053	-.090	-.533
90	139	-544	.208	-029	-1.459	90	218	-299	.077	-.116	-.890	90	268	-198	.045	-.086	-.445
90	140	-407	.180	-008	-1.177	90	219	-290	.072	-.099	-.712	90	269	-211	.064	-.002	-.503
90	141	-351	.159	-003	-1.029	90	220	-308	.101	-.052	-.903	90	270	-251	.060	-.095	-.578

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
90	271	-191	049	-033	-441	90	340	-704	260	-046	-1751	90	441	306	136	819	-042
90	272	-192	051	-043	-475	90	341	-748	204	-198	-1601	90	442	145	132	613	-271
90	273	-203	053	-041	-469	90	342	-749	218	-233	-1858	90	443	-128	118	292	-556
90	274	-217	053	-056	-568	90	343	-304	076	-155	-692	90	444	-080	091	446	-313
90	275	-229	053	-061	-505	90	344	-267	057	-117	-493	90	445	-010	090	294	-339
90	276	-228	053	-071	-479	90	345	-235	051	-104	-467	90	446	136	089	520	-156
90	277	-195	041	-088	-439	90	346	-240	086	078	-663	90	447	220	099	681	-032
90	278	-179	044	-024	-432	90	347	-238	158	134	-1077	90	448	257	111	686	-011
90	279	-181	047	-030	-396	90	348	-682	356	314	-2108	90	449	253	112	710	-011
90	280	-198	056	-030	-499	90	349	-854	379	009	-2727	90	450	187	118	615	-170
90	281	-230	052	-080	-512	90	401	-100	073	139	-352	90	451	035	117	631	-358
90	301	-334	134	046	-959	90	402	-005	082	305	-282	90	452	124	100	575	-160
90	302	-311	129	046	-924	90	403	-075	089	403	-254	90	453	135	109	612	-210
90	303	-391	167	069	-1020	90	404	-128	100	424	-184	90	454	232	095	614	-024
90	304	-603	168	-020	-272	90	405	-149	118	492	-285	90	455	220	093	645	-008
90	305	-693	145	-030	-451	90	406	-272	122	633	-114	90	456	158	082	649	-026
90	306	-694	132	-337	-244	90	407	-226	137	663	-303	90	457	135	091	619	-101
90	307	-682	125	-402	-326	90	408	-015	088	294	-338	90	458	213	087	580	-015
90	308	-359	126	-008	-964	90	409	-182	105	531	-170	90	459	219	091	671	-005
90	309	-323	122	-025	-871	90	410	-398	130	822	-001	90	460	226	088	563	-015
90	310	-434	190	-253	-361	90	411	-488	145	124	-047	90	461	227	093	664	-006
90	311	-640	173	-062	-244	90	412	-586	151	995	-121	90	462	181	096	689	-031
90	312	-710	143	-244	-370	90	413	-516	154	978	-052	90	463	081	097	542	-216
90	313	-661	133	-288	-123	90	414	-351	153	787	-163	90	464	034	098	505	-316
90	314	-667	136	-229	-214	90	415	-039	092	333	-331	90	465	228	099	715	-001
90	315	-411	216	-127	-727	90	416	-169	100	577	-100	90	466	245	094	694	-011
90	316	-389	191	-255	-216	90	417	-406	132	794	-077	90	467	139	092	602	-034
90	317	-508	208	-265	-361	90	418	-543	149	988	-052	90	468	208	095	688	-006
90	318	-629	167	-059	-293	90	419	-598	164	158	-156	90	469	196	081	578	-013
90	319	-667	154	-241	-461	90	420	-485	155	944	-059	90	470	196	087	630	-034
90	320	-616	137	-255	-099	90	421	-340	144	803	-170	90	471	227	086	578	-036
90	321	-607	133	-237	-076	90	422	-093	095	238	-446	90	472	229	097	649	-022
90	322	-399	197	-041	-274	90	423	-131	085	409	-098	90	473	249	093	709	-038
90	323	-369	179	-146	-218	90	424	-368	124	801	-008	90	474	268	101	711	-052
90	324	-470	184	-003	-257	90	425	-500	146	015	-091	90	475	294	113	785	-068
90	325	-606	187	-055	-367	90	426	-549	154	969	-068	90	476	308	121	852	-061
90	326	-661	174	-161	-421	90	427	-438	157	960	-054	90	477	311	118	796	-061
90	327	-632	157	-252	-388	90	428	-258	133	668	-172	90	478	290	122	928	-029
90	328	-614	154	-219	-323	90	429	-116	087	152	-533	90	479	280	108	657	-036
90	329	-321	140	-016	-066	90	430	-077	085	363	-179	90	480	118	084	476	-077
90	330	-316	141	-036	-986	90	431	-322	105	678	-036	90	481	-040	075	305	-343
90	331	-399	182	-085	-101	90	432	-415	137	872	-080	90	901	-775	155	-269	-1614
90	332	-556	226	-045	-477	90	433	-487	154	988	-011	90	902	-637	180	-031	-1221
90	333	-687	202	-044	-788	90	434	-392	146	886	-011	90	903	-309	134	-074	-848
90	334	-696	187	-228	-968	90	435	-242	134	775	-274	90	904	-693	160	-102	-1332
90	335	-684	188	-235	-863	90	436	-141	092	161	-461	90	905	-216	138	-178	-734
90	336	-292	075	-044	-722	90	437	-056	090	425	-246	90	906	-439	140	-053	-1012
90	337	-260	085	-048	-820	90	438	-279	105	645	-018	90	907	-271	130	-185	-753
90	338	-245	113	-092	-923	90	439	-367	122	733	-060	90	908	-253	123	-171	-646
90	339	-384	203	-059	-129	90	440	-381	135	898	-055	90	909	-310	136	-100	-1047

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
90	910	-596	.163	-.037	-1.418	100	141	-.511	.164	-.019	-1.404	100	220	-.339	.075	-.126	-.733
90	911	-.706	.110	-.352	-1.194	100	142	-.508	.179	-.051	-1.570	100	221	-.339	.083	-.050	-.805
90	912	-.683	.133	-.059	-1.310	100	143	-.546	.158	-.166	-2.566	100	222	-.418	.108	-.111	-.913
90	913	-.677	.108	-.354	-1.094	100	144	-.548	.145	-.202	-1.534	100	223	-.375	.072	-.143	-.665
90	914	-.779	.129	-.383	-1.282	100	145	-.562	.160	-.052	-1.471	100	224	-.338	.065	-.115	-.633
90	915	-.739	.121	-.359	-1.239	100	146	-.563	.188	-.024	-1.632	100	225	-.313	.057	-.128	-.578
90	916	-.803	.167	-.372	-2.145	100	147	-.491	.167	-.007	-1.243	100	226	-.315	.061	-.094	-.548
90	917	-.389	.221	-.356	-1.315	100	148	-.416	.177	-.058	-1.303	100	227	-.308	.064	-.075	-.544
90	918	-.259	.082	-.014	-.876	100	149	-.444	.201	-.030	-1.570	100	228	-.314	.064	-.149	-.609
90	919	-.259	.061	-.130	-.570	100	150	-.568	.163	-.118	-1.265	100	229	-.414	.106	-.105	-.792
100	101	-.497	.093	-.219	-1.043	100	151	-.559	.160	-.161	-1.523	100	230	-.390	.087	-.094	-.700
100	102	-.498	.083	-.275	-.880	100	152	-.598	.221	-.112	-2.527	100	231	-.350	.070	-.119	-.639
100	103	-.522	.100	-.234	-1.157	100	153	-.532	.208	-.097	-1.815	100	232	-.327	.060	-.162	-.542
100	104	-.548	.123	-.138	-1.196	100	154	-.369	.151	-.118	-1.155	100	233	-.313	.061	-.162	-.568
100	105	-.515	.150	-.028	-1.288	100	155	-.291	.121	-.114	-1.344	100	234	-.317	.062	-.130	-.613
100	106	-.470	.152	-.030	-1.144	100	156	-.273	.117	-.009	-1.194	100	235	-.319	.063	-.139	-.658
100	107	-.499	.177	-.015	-1.463	100	157	-.567	.190	-.043	-1.501	100	236	-.427	.115	-.096	-.944
100	108	-.466	.080	-.213	-.929	100	158	-.506	.172	-.112	-1.531	100	237	-.392	.091	-.105	-.743
100	109	-.463	.083	-.221	-.890	100	159	-.429	.161	-.050	-1.452	100	238	-.360	.078	-.145	-.649
100	110	-.489	.105	-.144	-1.041	100	160	-.358	.138	-.106	-1.142	100	239	-.344	.062	-.162	-.581
100	111	-.513	.137	-.138	-1.749	100	161	-.559	.189	-.092	-1.402	100	240	-.331	.064	-.145	-.636
100	112	-.489	.133	-.056	-1.811	100	162	-.560	.195	-.095	-1.579	100	241	-.344	.065	-.143	-.613
100	113	-.497	.168	-.037	-1.299	100	163	-.513	.184	-.146	-1.609	100	242	-.335	.073	-.137	-.651
100	114	-.523	.186	-.086	-1.445	100	164	-.487	.172	-.054	-1.559	100	243	-.377	.109	-.172	-.1.126
100	115	-.436	.091	-.127	-1.022	100	165	-.419	.163	-.056	-1.318	100	244	-.389	.118	-.150	-.1.148
100	116	-.434	.089	-.170	-1.082	100	166	-.392	.171	-.145	-1.508	100	245	-.366	.116	-.075	-.771
100	117	-.457	.114	-.165	-1.181	100	167	-.358	.146	-.151	-1.680	100	246	-.350	.102	-.066	-.730
100	118	-.481	.120	-.146	-1.224	100	168	-.303	.123	-.057	-.999	100	247	-.339	.083	-.036	-.695
100	119	-.484	.115	-.034	-1.062	100	169	-.266	.117	-.186	-1.135	100	248	-.322	.071	-.124	-.618
100	120	-.527	.150	-.004	-1.209	100	170	-.222	.084	-.013	-.762	100	249	-.336	.078	-.153	-.687
100	121	-.530	.164	-.101	-1.374	100	171	-.216	.092	-.024	-1.081	100	250	-.385	.114	-.165	-.967
100	122	-.435	.091	-.191	-.910	100	201	-.412	.106	-.075	-.792	100	251	-.422	.154	-.170	-.1.706
100	123	-.427	.092	-.161	-1.273	100	202	-.394	.100	-.075	-.764	100	252	-.365	.088	-.161	-.814
100	124	-.450	.112	-.133	-1.157	100	203	-.379	.098	-.118	-.883	100	253	-.353	.087	-.155	-.736
100	125	-.482	.142	-.148	-1.236	100	204	-.336	.074	-.081	-.616	100	254	-.333	.081	-.124	-.713
100	126	-.487	.140	-.070	-1.172	100	205	-.328	.096	-.036	-.718	100	255	-.349	.084	-.142	-.728
100	127	-.535	.176	-.043	-1.637	100	206	-.330	.082	-.083	-.654	100	256	-.301	.072	-.103	-.695
100	128	-.549	.192	-.071	-1.917	100	207	-.326	.087	-.066	-.750	100	257	-.357	.083	-.178	-.780
100	129	-.441	.101	-.221	-.986	100	208	-.417	.110	-.087	-.869	100	258	-.258	.083	-.047	-.700
100	130	-.451	.106	-.155	-1.131	100	209	-.393	.103	-.079	-.799	100	259	-.255	.075	-.047	-.611
100	131	-.480	.121	-.116	-1.437	100	210	-.365	.085	-.126	-.728	100	260	-.279	.080	-.062	-.627
100	132	-.488	.143	-.146	-1.482	100	211	-.357	.085	-.119	-.684	100	261	-.279	.069	-.098	-.610
100	133	-.485	.143	-.013	-1.245	100	212	-.341	.083	-.081	-.731	100	262	-.245	.057	-.092	-.503
100	134	-.515	.169	-.010	-1.448	100	213	-.338	.084	-.075	-.824	100	263	-.226	.059	-.056	-.457
100	135	-.531	.201	-.031	-1.786	100	214	-.336	.087	-.077	-.739	100	264	-.245	.063	-.045	-.491
100	136	-.505	.145	-.170	-1.676	100	215	-.419	.097	-.019	-.813	100	265	-.256	.075	-.068	-.565
100	137	-.498	.126	-.155	-1.170	100	216	-.392	.085	-.104	-.741	100	266	-.270	.068	-.100	-.573
100	138	-.516	.152	-.088	-1.973	100	217	-.354	.068	-.085	-.641	100	267	-.263	.064	-.068	-.542
100	139	-.533	.158	-.101	-1.443	100	218	-.344	.064	-.128	-.571	100	268	-.225	.056	-.045	-.516
100	140	-.505	.151	-.064	-1.318	100	219	-.336	.074	-.111	-.707	100	269	-.287	.089	-.025	-.658

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
100	270	331	078	132	733	100	339	219	142	075	939	100	440	384	130	835	053
100	271	225	075	010	607	100	340	443	299	049	445	100	441	262	129	731	108
100	272	234	074	021	773	100	341	680	225	054	586	100	442	106	118	533	292
100	273	249	071	051	573	100	342	698	217	019	635	100	443	013	120	389	487
100	274	269	074	026	726	100	343	356	084	177	735	100	444	166	097	598	115
100	275	275	066	111	578	100	344	301	067	149	671	100	445	085	096	408	222
100	276	258	063	100	548	100	345	218	047	051	382	100	446	218	115	739	061
100	277	225	049	085	472	100	346	157	062	063	391	100	447	269	111	696	011
100	278	215	059	019	446	100	347	101	121	269	006	100	448	279	113	767	008
100	279	230	065	022	599	100	348	463	379	376	296	100	449	276	118	722	011
100	280	273	083	029	590	100	349	613	370	333	134	100	450	161	116	663	171
100	281	295	066	100	607	100	401	019	086	333	285	100	451	015	112	520	334
100	301	304	076	017	648	100	402	086	093	416	193	100	452	195	108	701	107
100	302	250	061	043	495	100	403	154	103	496	255	100	453	213	102	607	115
100	303	252	083	010	929	100	404	181	113	543	179	100	454	287	103	658	011
100	304	369	142	022	016	100	405	197	126	595	256	100	455	271	102	639	015
100	305	657	179	167	194	100	406	256	123	693	126	100	456	185	082	562	002
100	306	827	175	348	546	100	407	178	124	625	231	100	457	185	087	523	045
100	307	860	188	378	623	100	408	072	101	433	228	100	458	238	092	637	039
100	308	321	074	026	655	100	409	286	118	714	108	100	459	246	092	577	049
100	309	274	065	029	601	100	410	475	134	922	006	100	460	251	094	658	016
100	310	237	113	077	918	100	411	558	152	980	027	100	461	242	090	649	019
100	311	392	192	138	002	100	412	548	158	145	055	100	462	189	093	572	076
100	312	670	195	044	253	100	413	476	150	997	119	100	463	055	087	445	207
100	313	796	171	345	457	100	414	300	136	731	170	100	464	064	098	389	397
100	314	792	170	329	607	100	415	024	092	352	312	100	465	268	092	642	044
100	315	322	082	023	791	100	416	235	115	686	147	100	466	294	112	872	051
100	316	292	106	005	857	100	417	504	146	971	103	100	467	258	098	642	009
100	317	288	157	093	974	100	418	588	156	064	124	100	468	220	090	630	052
100	318	472	227	042	183	100	419	588	151	073	096	100	469	225	087	637	016
100	319	707	175	001	417	100	420	454	153	948	041	100	470	234	086	604	035
100	320	684	129	005	136	100	421	262	140	760	119	100	471	247	084	580	056
100	321	686	122	291	117	100	422	014	104	338	477	100	472	274	096	724	054
100	322	307	071	024	864	100	423	214	098	558	066	100	473	284	100	753	071
100	323	264	077	016	697	100	424	421	137	890	059	100	474	294	105	869	036
100	324	273	149	016	108	100	425	530	154	022	124	100	475	329	120	832	071
100	325	434	238	054	217	100	426	540	158	075	120	100	476	336	117	892	029
100	326	682	219	105	496	100	427	373	144	911	001	100	477	325	114	809	066
100	327	736	163	240	551	100	428	210	122	630	117	100	478	334	121	795	048
100	328	714	149	205	407	100	429	038	095	337	350	100	479	297	117	777	039
100	329	298	062	109	654	100	430	172	102	561	145	100	480	106	084	523	131
100	330	275	071	050	643	100	431	401	128	600	057	100	481	065	086	253	374
100	331	230	098	002	784	100	432	478	135	926	148	100	901	627	119	222	301
100	332	347	217	061	139	100	433	460	144	950	036	100	902	623	135	141	228
100	333	581	276	077	663	100	434	358	139	849	015	100	903	459	113	006	858
100	334	745	196	111	586	100	435	177	116	581	199	100	904	627	116	199	184
100	335	687	190	163	012	100	436	036	111	446	504	100	905	383	121	109	793
100	336	344	070	052	617	100	437	131	096	558	129	100	906	491	123	029	007
100	337	286	059	099	692	100	438	328	117	731	043	100	907	339	122	165	807
100	338	207	058	004	629	100	439	368	125	936	074	100	908	250	112	151	632

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
100	909	-.388	.115	-.021	-.861	110	140	-.478	.094	-.249	-1.000	110	219	-.333	.051	-.151	-.530
100	910	-.584	.150	-.098	-1.117	110	141	-.512	.116	-.221	-1.015	110	220	-.318	.053	-.153	-.514
100	911	-.641	.113	-.265	-1.164	110	142	-.503	.107	-.208	-1.077	110	221	-.320	.051	-.132	-.535
100	912	-.631	.125	-.282	-1.260	110	143	-.524	.114	-.275	-1.167	110	222	-.408	.069	-.189	-.693
100	913	-.626	.106	-.335	-1.098	110	144	-.531	.109	-.243	-1.044	110	223	-.378	.053	-.212	-.570
100	914	-.633	.115	-.252	-1.363	110	145	-.531	.110	-.226	-1.445	110	224	-.360	.054	-.116	-.562
100	915	-.611	.095	-.320	-1.185	110	146	-.556	.144	-.207	-1.518	110	225	-.345	.054	-.141	-.537
100	916	-.593	.090	-.310	-1.128	110	147	-.545	.145	-.092	-1.231	110	226	-.339	.052	-.181	-.549
100	917	-.142	.205	-.472	-.944	110	148	-.552	.164	-.117	-1.481	110	227	-.340	.057	-.147	-.585
100	918	-.172	.064	-.071	-.483	110	149	-.577	.181	-.051	-1.460	110	228	-.329	.046	-.193	-.530
100	919	-.325	.072	-.138	-.716	110	150	-.511	.132	-.186	-1.251	110	229	-.421	.064	-.201	-.642
110	101	-.423	.066	-.220	-.830	110	151	-.535	.143	-.243	-1.306	110	230	-.408	.061	-.203	-.600
110	102	-.427	.062	-.194	-.726	110	152	-.546	.154	-.201	-1.498	110	231	-.384	.053	-.197	-.570
110	103	-.448	.069	-.111	-.788	110	153	-.548	.168	-.137	-1.710	110	232	-.374	.052	-.214	-.575
110	104	-.461	.083	-.166	-.956	110	154	-.465	.132	-.066	-1.059	110	233	-.379	.054	-.186	-.579
110	105	-.464	.097	-.062	-1.097	110	155	-.384	.131	-.068	-1.253	110	234	-.373	.052	-.203	-.600
110	106	-.483	.120	-.028	-1.044	110	156	-.371	.132	-.064	-1.116	110	235	-.379	.059	-.206	-.621
110	107	-.498	.143	-.073	-1.176	110	157	-.533	.141	-.081	-1.424	110	236	-.447	.075	-.235	-.734
110	108	-.401	.059	-.198	-.621	110	158	-.515	.127	-.237	-1.396	110	237	-.429	.072	-.235	-.837
110	109	-.400	.058	-.205	-.606	110	159	-.489	.133	-.013	-1.278	110	238	-.406	.064	-.220	-.666
110	110	-.409	.066	-.160	-.785	110	160	-.446	.119	-.073	-1.276	110	239	-.399	.061	-.227	-.710
110	111	-.426	.072	-.194	-.877	110	161	-.494	.143	-.134	-1.244	110	240	-.399	.062	-.227	-.689
110	112	-.454	.083	-.147	-.873	110	162	-.478	.146	-.126	-1.222	110	241	-.409	.061	-.248	-.630
110	113	-.482	.123	-.119	-1.240	110	163	-.478	.138	-.085	-1.466	110	242	-.411	.062	-.225	-.685
110	114	-.493	.131	-.128	-1.338	110	164	-.478	.129	-.130	-1.313	110	243	-.464	.097	-.245	-.966
110	115	-.388	.061	-.188	-.619	110	165	-.455	.114	-.143	-1.048	110	244	-.439	.094	-.234	-1.145
110	116	-.381	.060	-.137	-.651	110	166	-.431	.121	-.072	-1.163	110	245	-.467	.097	-.153	-.902
110	117	-.387	.061	-.124	-.600	110	167	-.419	.103	-.024	-1.030	110	246	-.443	.081	-.168	-.741
110	118	-.415	.063	-.190	-.706	110	168	-.372	.110	-.050	-1.131	110	247	-.402	.066	-.215	-.626
110	119	-.446	.068	-.239	-.764	110	169	-.352	.113	-.059	-1.009	110	248	-.399	.069	-.226	-.701
110	120	-.498	.094	-.258	-1.114	110	170	-.292	.103	-.018	-1.015	110	249	-.401	.071	-.200	-.730
110	121	-.491	.104	-.198	-1.050	110	171	-.289	.117	-.038	-1.049	110	250	-.476	.104	-.238	-1.011
110	122	-.389	.054	-.226	-.595	110	201	-.410	.084	-.067	-.741	110	251	-.521	.138	-.226	-1.368
110	123	-.397	.061	-.222	-.734	110	202	-.383	.074	-.110	-.660	110	252	-.440	.085	-.219	-.818
110	124	-.399	.055	-.217	-.664	110	203	-.339	.059	-.149	-.615	110	253	-.433	.084	-.146	-.818
110	125	-.419	.065	-.206	-.726	110	204	-.318	.060	-.116	-.579	110	254	-.416	.081	-.213	-.829
110	126	-.447	.076	-.215	-.837	110	205	-.317	.069	-.086	-.587	110	255	-.434	.084	-.236	-.790
110	127	-.477	.098	-.241	-1.041	110	206	-.319	.056	-.124	-.581	110	256	-.390	.083	-.142	-.795
110	128	-.487	.102	-.251	-1.081	110	207	-.320	.064	-.101	-.592	110	257	-.437	.081	-.232	-.790
110	129	-.421	.064	-.204	-.780	110	208	-.393	.078	-.149	-.775	110	258	-.337	.093	-.080	-.765
110	130	-.418	.061	-.234	-.658	110	209	-.370	.072	-.107	-.731	110	259	-.328	.080	-.093	-.611
110	131	-.432	.070	-.153	-.743	110	210	-.349	.059	-.158	-.596	110	260	-.332	.071	-.107	-.615
110	132	-.434	.070	-.202	-.934	110	211	-.323	.057	-.156	-.604	110	261	-.316	.060	-.120	-.564
110	133	-.450	.079	-.219	-.919	110	212	-.325	.057	-.128	-.541	110	262	-.265	.051	-.107	-.495
110	134	-.477	.094	-.241	-.947	110	213	-.320	.059	-.097	-.560	110	263	-.262	.070	-.029	-.566
110	135	-.483	.104	-.215	-1.287	110	214	-.321	.060	-.101	-.589	110	264	-.305	.079	-.050	-.608
110	136	-.452	.084	-.193	-.861	110	215	-.400	.065	-.164	-.718	110	265	-.317	.072	-.040	-.657
110	137	-.464	.089	-.196	-.867	110	216	-.374	.057	-.179	-.663	110	266	-.317	.063	-.116	-.541
110	138	-.477	.088	-.228	-.882	110	217	-.344	.051	-.170	-.541	110	267	-.283	.057	-.107	-.592
110	139	-.487	.106	-.226	-1.205	110	218	-.337	.054	-.170	-.585	110	268	-.243	.054	-.046	-.444

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
110	269	-390	105	-035	-832	110	338	-178	041	-043	-404	110	439	398	127	832	070
110	270	-408	078	-057	-718	110	339	-107	077	-104	-790	110	440	333	132	788	004
110	271	-268	087	-014	-693	110	340	-154	185	-233	-1056	110	441	202	112	689	-072
110	272	-275	084	-061	-653	110	341	-438	201	-221	-1211	110	442	024	097	418	-317
110	273	-300	070	-113	-592	110	342	-424	184	-088	-1244	110	443	125	112	598	-248
110	274	-311	063	-086	-530	110	343	-392	072	-210	-714	110	444	199	099	579	-059
110	275	-314	059	-118	-549	110	344	-314	055	-172	-536	110	445	166	106	552	-150
110	276	-285	054	-120	-533	110	345	-166	046	-017	-341	110	446	233	112	763	-022
110	277	-245	046	-103	-448	110	346	-048	066	-197	-293	110	447	251	102	630	000
110	278	-269	078	-038	-543	110	347	-060	120	-407	-598	110	448	258	117	762	-017
110	279	-294	088	-006	-636	110	348	-022	315	-598	-1397	110	449	233	120	677	-046
110	280	-354	098	-105	-840	110	349	-155	335	-622	-1450	110	450	107	112	597	-229
110	281	-371	064	-183	-625	110	401	-124	103	-447	-247	110	451	074	099	358	-432
110	301	-290	056	-062	-507	110	402	-187	115	-373	-214	110	452	228	123	740	-309
110	302	-227	043	-059	-394	110	403	-198	120	-582	-209	110	453	236	126	651	-329
110	303	-187	046	-002	-469	110	404	-210	115	-556	-157	110	454	258	104	660	-015
110	304	-181	056	-000	-600	110	405	-191	121	-599	-287	110	455	257	098	655	-032
110	305	-312	158	-000	-955	110	406	-194	116	-583	-219	110	456	158	079	446	-053
110	306	-654	156	-083	-1347	110	407	-086	118	-609	-258	110	457	159	083	516	-112
110	307	-658	143	-213	-1332	110	408	-247	125	-623	-165	110	458	228	090	596	-021
110	308	-313	050	-166	-505	110	409	-407	137	-806	-015	110	459	229	092	575	-021
110	309	-229	039	-081	-377	110	410	-535	147	-986	-042	110	460	237	090	633	-017
110	310	-130	046	-057	-453	110	411	-552	153	-1052	-053	110	461	241	097	633	-005
110	311	-102	097	-142	-768	110	412	-537	150	-1007	-008	110	462	197	096	604	-114
110	312	-325	243	-201	-1136	110	413	-390	137	-806	-066	110	463	059	085	431	-185
110	313	-609	160	-111	-1505	110	414	-212	116	-585	-202	110	464	-066	091	292	-439
110	314	-610	149	-152	-1325	110	415	-195	125	-679	-207	110	465	271	093	671	-057
110	315	-302	046	-152	-493	110	416	-394	126	-799	-040	110	466	285	112	875	-012
110	316	-243	044	-024	-486	110	417	-555	153	-1007	-149	110	467	249	093	620	-005
110	317	-131	052	-047	-453	110	418	-617	151	-1101	-210	110	468	225	097	663	-014
110	318	-118	128	-140	-965	110	419	-533	155	-1080	-117	110	469	245	096	601	-009
110	319	-350	259	-204	-1067	110	420	-373	138	-796	-130	110	470	255	096	723	-022
110	320	-576	141	-028	-1252	110	421	-184	112	-585	-158	110	471	267	093	706	-069
110	321	-554	135	-088	-1219	110	422	-149	123	-672	-284	110	472	282	098	630	-069
110	322	-311	049	-152	-493	110	423	-345	122	-794	-044	110	473	280	107	775	-049
110	323	-249	041	-116	-493	110	424	-525	155	-1047	-102	110	474	304	109	752	-020
110	324	-152	049	-055	-530	110	425	-564	156	-1209	-142	110	475	354	127	855	-004
110	325	-124	118	-135	-761	110	426	-485	154	-988	-023	110	476	363	122	808	-044
110	326	-315	264	-278	-1306	110	427	-313	137	-752	-066	110	477	346	121	883	-063
110	327	-554	164	-083	-1389	110	428	-125	100	-536	-163	110	478	335	121	829	-035
110	328	-551	162	-060	-1244	110	429	-139	114	-602	-234	110	479	288	114	771	-025
110	329	-341	052	-183	-521	110	430	-290	125	-788	-025	110	480	110	092	505	-142
110	330	-283	042	-133	-476	110	431	-439	132	-856	-098	110	481	-047	087	284	-401
110	331	-173	047	-022	-497	110	432	-485	148	-962	-103	110	901	-593	109	-225	-1169
110	332	-128	105	-081	-866	110	433	-438	145	-943	-060	110	902	-594	121	-076	-1206
110	333	-284	238	-207	-1120	110	434	-272	118	-625	-069	110	903	-446	089	-128	-785
110	334	-504	208	-235	-1394	110	435	-113	103	-505	-156	110	904	-570	104	-192	-1020
110	335	-526	178	-064	-1429	110	436	-116	118	-531	-211	110	905	-404	102	-018	-837
110	336	-397	061	-217	-659	110	437	-263	116	-790	-126	110	906	-462	105	-090	-950
110	337	-318	047	-169	-490	110	438	-350	126	-870	-044	110	907	-267	112	-180	-705

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
110	908	- .322	.114	- .143	- .714	120	139	- .447	.068	- .258	- .798	120	218	- .342	.047	- .172	- .506
110	909	- .406	.085	- .049	- .782	120	140	- .465	.066	- .286	- .951	120	219	- .340	.046	- .198	- .498
110	910	- .584	.140	- .127	- 1.134	120	141	- .463	.069	- .260	- .820	120	220	- .328	.044	- .189	- .489
110	911	- .564	.106	- .273	- 1.489	120	142	- .475	.072	- .290	- .861	120	221	- .339	.050	- .162	- .544
110	912	- .564	.107	- .235	- 1.062	120	143	- .487	.095	- .246	- 1.114	120	222	- .406	.057	- .208	- .641
110	913	- .571	.098	- .273	- .967	120	144	- .487	.092	- .223	- .972	120	223	- .394	.049	- .242	- .567
110	914	- .590	.105	- .278	- 1.043	120	145	- .503	.101	- .255	- 1.026	120	224	- .366	.049	- .198	- .582
110	915	- .543	.085	- .299	- .897	120	146	- .540	.120	- .249	- 1.274	120	225	- .360	.044	- .219	- .510
110	916	- .555	.089	- .269	- .933	120	147	- .520	.113	- .229	- 1.467	120	226	- .353	.048	- .200	- .504
110	917	- .114	.193	- .658	- .778	120	148	- .521	.123	- .261	- 1.234	120	227	- .348	.050	- .189	- .576
110	918	- .072	.059	- .213	- .265	120	149	- .527	.135	- .191	- 1.204	120	228	- .347	.047	- .176	- .573
110	919	- .364	.061	- .185	- .380	120	150	- .472	.103	- .223	- 1.022	120	229	- .431	.053	- .255	- .618
120	101	- .397	.060	- .199	- .636	120	151	- .481	.108	- .197	- 1.103	120	230	- .417	.051	- .259	- .607
120	102	- .400	.055	- .201	- .733	120	152	- .494	.115	- .223	- 1.313	120	231	- .414	.057	- .208	- .605
120	103	- .413	.062	- .174	- .810	120	153	- .510	.135	- .219	- 1.394	120	232	- .396	.055	- .201	- .644
120	104	- .449	.075	- .120	- .784	120	154	- .487	.120	- .229	- 1.131	120	233	- .377	.051	- .225	- .556
120	105	- .451	.078	- .176	- .775	120	155	- .456	.144	- .062	- 1.461	120	234	- .381	.054	- .208	- .567
120	106	- .467	.098	- .171	- .968	120	156	- .476	.146	- .139	- 1.576	120	235	- .385	.051	- .238	- .565
120	107	- .485	.113	- .180	- 1.107	120	157	- .480	.107	- .231	- 1.377	120	236	- .435	.061	- .265	- .673
120	108	- .371	.050	- .219	- .561	120	158	- .483	.108	- .221	- 1.182	120	237	- .449	.050	- .295	- .631
120	109	- .371	.052	- .176	- .368	120	159	- .481	.120	- .191	- 1.159	120	238	- .428	.052	- .263	- .650
120	110	- .391	.054	- .182	- .651	120	160	- .463	.105	- .182	- .897	120	239	- .423	.052	- .242	- .652
120	111	- .409	.059	- .219	- .718	120	161	- .459	.113	- .174	- 1.253	120	240	- .426	.057	- .259	- .658
120	112	- .428	.070	- .214	- .846	120	162	- .453	.119	- .173	- 1.332	120	241	- .436	.059	- .269	- .665
120	113	- .469	.097	- .161	- 1.407	120	163	- .450	.111	- .118	- 1.497	120	242	- .425	.058	- .240	- .633
120	114	- .491	.102	- .184	- .987	120	164	- .455	.107	- .184	- 1.097	120	243	- .447	.059	- .292	- .775
120	115	- .374	.051	- .204	- .359	120	165	- .451	.104	- .176	- 1.097	120	244	- .446	.061	- .258	- .749
120	116	- .368	.050	- .206	- .561	120	166	- .448	.106	- .174	- 1.266	120	245	- .462	.073	- .271	- .815
120	117	- .388	.054	- .225	- .621	120	167	- .436	.106	- .084	- 1.000	120	246	- .451	.066	- .247	- .762
120	118	- .399	.048	- .229	- .583	120	168	- .421	.098	- .101	- 1.084	120	247	- .446	.060	- .301	- .695
120	119	- .440	.058	- .272	- .683	120	169	- .395	.111	- .086	- 1.019	120	248	- .443	.061	- .273	- .691
120	120	- .470	.077	- .251	- .874	120	170	- .373	.131	- .026	- 1.350	120	249	- .441	.064	- .277	- .702
120	121	- .478	.075	- .291	- .880	120	171	- .385	.160	- .043	- 1.416	120	250	- .453	.064	- .301	- .736
120	122	- .396	.048	- .221	- .557	120	201	- .383	.067	- .097	- .743	120	251	- .449	.063	- .283	- .721
120	123	- .394	.051	- .223	- .581	120	202	- .366	.057	- .178	- .657	120	252	- .488	.081	- .266	- .897
120	124	- .404	.048	- .262	- .597	120	203	- .340	.055	- .163	- .567	120	253	- .464	.067	- .249	- .747
120	125	- .419	.051	- .264	- .620	120	204	- .330	.058	- .163	- .560	120	254	- .454	.064	- .264	- .712
120	126	- .435	.061	- .273	- .732	120	205	- .345	.066	- .099	- .658	120	255	- .459	.072	- .262	- .800
120	127	- .485	.078	- .262	- .811	120	206	- .337	.054	- .145	- .527	120	256	- .472	.077	- .258	- .775
120	128	- .477	.076	- .234	- .908	120	207	- .331	.058	- .132	- .567	120	257	- .460	.068	- .279	- .828
120	129	- .420	.049	- .247	- .663	120	208	- .395	.070	- .147	- .959	120	258	- .405	.087	- .122	- .880
120	130	- .421	.053	- .273	- .605	120	209	- .363	.058	- .138	- .569	120	259	- .380	.071	- .176	- .674
120	131	- .429	.053	- .266	- .642	120	210	- .340	.049	- .164	- .508	120	260	- .383	.066	- .162	- .686
120	132	- .431	.059	- .238	- .629	120	211	- .330	.051	- .153	- .504	120	261	- .380	.074	- .160	- .762
120	133	- .463	.056	- .298	- .663	120	212	- .332	.051	- .158	- .515	120	262	- .422	.080	- .187	- .776
120	134	- .466	.063	- .286	- .777	120	213	- .325	.055	- .147	- .531	120	263	- .447	.079	- .122	- .819
120	135	- .464	.068	- .273	- .906	120	214	- .336	.052	- .141	- .529	120	264	- .462	.079	- .223	- .859
120	136	- .440	.067	- .260	- .743	120	215	- .393	.054	- .206	- .601	120	265	- .341	.073	- .050	- .588
120	137	- .452	.068	- .249	- .820	120	216	- .367	.052	- .158	- .544	120	266	- .352	.071	- .096	- .605
120	138	- .449	.065	- .266	- .693	120	217	- .347	.045	- .208	- .496	120	267	- .360	.074	- .113	- .776

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
120	268	-380	090	-067	-696	120	337	-298	047	-132	-458	120	438	360	125	794	053
120	269	-479	097	-145	-114	120	338	-127	047	-055	-322	120	439	334	131	837	046
120	270	-477	084	-280	-821	120	339	-008	058	191	-258	120	440	281	124	667	-072
120	271	-330	100	-110	-749	120	340	-032	106	341	-520	120	441	089	098	481	-206
120	272	-318	085	-096	-738	120	341	-062	202	452	-810	120	442	048	087	310	-338
120	273	-325	068	-118	-616	120	342	-162	182	466	-831	120	443	252	125	749	-121
120	274	-329	068	-086	-637	120	343	-376	051	-219	-565	120	444	267	112	776	-021
120	275	-349	071	-124	-711	120	344	-291	043	-159	-474	120	445	237	113	734	-057
120	276	-343	067	-141	-605	120	345	-101	050	160	-240	120	446	239	113	754	-017
120	277	-380	076	-137	-662	120	346	-057	071	343	-116	120	447	259	104	596	-031
120	278	-429	093	-069	-878	120	347	161	092	562	-301	120	448	216	101	679	-042
120	279	-444	089	-080	-753	120	348	275	126	689	-272	120	449	142	084	485	-072
120	280	-458	087	-151	-823	120	349	191	189	849	-737	120	450	016	089	401	-218
120	281	-458	075	-251	-800	120	401	246	121	626	-151	120	451	142	088	171	-443
120	301	-286	050	-107	-448	120	402	264	117	604	-118	120	452	208	155	732	-391
120	302	-197	043	-052	-353	120	403	223	113	590	-192	120	453	210	151	774	-327
120	303	-137	053	-109	-320	120	404	203	113	573	-175	120	454	257	123	664	-085
120	304	-094	053	-102	-303	120	405	139	117	627	-326	120	455	237	114	670	-106
120	305	-054	072	-202	-448	120	406	116	098	452	-237	120	456	177	091	496	-102
120	306	-330	209	-275	-872	120	407	000	099	332	-389	120	457	179	092	564	-051
120	307	-380	153	-204	-114	120	408	409	148	887	-033	120	458	228	093	551	-009
120	308	-288	043	-154	-472	120	409	526	155	999	068	120	459	228	098	659	-014
120	309	-185	037	-050	-308	120	410	570	147	002	121	120	460	240	095	607	-031
120	310	-049	053	-147	-218	120	411	517	159	079	023	120	461	208	087	533	-014
120	311	024	064	-204	-246	120	412	447	148	922	-016	120	462	153	083	474	-045
120	312	071	116	-382	-863	120	413	284	125	700	-192	120	463	002	073	363	-216
120	313	-289	213	-522	-981	120	414	097	094	489	-190	120	464	137	072	190	-431
120	314	-268	181	-472	-886	120	415	397	147	843	-075	120	465	259	093	676	-040
120	315	-301	040	-173	-446	120	416	505	161	997	072	120	466	255	095	619	-038
120	316	-200	035	-073	-339	120	417	611	157	175	-166	120	467	247	096	602	-020
120	317	-058	048	-133	-223	120	418	556	156	142	-112	120	468	195	089	547	-021
120	318	048	064	-289	-249	120	419	469	145	955	-042	120	469	242	101	645	-013
120	319	073	161	-415	-839	120	420	237	117	637	-113	120	470	261	099	773	-004
120	320	-202	211	-467	-870	120	421	087	096	440	-195	120	471	264	101	766	-005
120	321	-238	191	-609	-981	120	422	338	147	878	-127	120	472	286	102	823	-048
120	322	-316	042	-194	-476	120	423	456	144	985	-044	120	473	302	116	793	-044
120	323	-217	039	-059	-329	120	424	531	166	074	-100	120	474	292	114	744	-018
120	324	-076	043	-108	-192	120	425	523	157	098	-100	120	475	338	126	892	-075
120	325	022	059	-262	-287	120	426	435	150	976	-044	120	476	342	119	751	-056
120	326	053	139	-476	-570	120	427	210	117	662	-143	120	477	306	114	943	-030
120	327	-193	221	-528	-995	120	428	023	080	253	-218	120	478	315	116	850	-037
120	328	-228	184	-523	-912	120	429	293	131	745	-109	120	479	281	119	780	-003
120	329	-342	046	-196	-539	120	430	403	132	865	-058	120	480	077	082	399	-156
120	330	-247	042	-066	-391	120	431	448	139	907	-105	120	481	071	080	272	-422
120	331	-108	043	-103	-237	120	432	443	146	938	-084	120	901	-568	106	-225	-1008
120	332	-004	063	-267	-275	120	433	372	128	832	-011	120	902	-566	112	-116	-1039
120	333	-049	121	-412	-674	120	434	146	101	479	-107	120	903	-386	093	-067	-681
120	334	-140	222	-438	-902	120	435	001	083	277	-232	120	904	-536	104	-187	-1074
120	335	-224	192	-438	-931	120	436	266	140	757	-053	120	905	-319	094	-037	-632
120	336	-428	059	-206	-643	120	437	317	133	794	-001	120	906	-403	089	-109	-815

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
120	907	-255	.133	.215	-.686	130	138	-.434	.057	-.274	-.667	130	217	-.342	.046	-.185	-.517
120	908	-.401	.089	.006	-.811	130	139	-.445	.056	-.278	-.852	130	218	-.352	.044	-.223	-.494
120	909	-.411	.081	-.061	-.771	130	140	-.453	.058	-.298	-.693	130	219	-.344	.048	-.168	-.540
120	910	-.569	.126	-.201	-1.154	130	141	-.458	.058	-.302	-.759	130	220	-.338	.045	-.175	-.530
120	911	-.535	.101	-.263	-1.149	130	142	-.470	.061	-.306	-.751	130	221	-.338	.043	-.194	-.504
120	912	-.509	.096	-.165	-.848	130	143	-.441	.074	-.235	-.848	130	222	-.391	.055	-.151	-.587
120	913	-.532	.100	-.208	-1.226	130	144	-.457	.077	-.265	-.829	130	223	-.381	.049	-.227	-.549
120	914	-.559	.099	-.218	-1.098	130	145	-.469	.092	-.248	-1.099	130	224	-.366	.049	-.179	-.530
120	915	-.543	.094	-.261	-1.011	130	146	-.489	.103	-.270	-1.238	130	225	-.362	.045	-.229	-.515
120	916	-.533	.087	-.276	-1.071	130	147	-.478	.093	-.282	-1.045	130	226	-.356	.050	-.151	-.553
120	917	-.308	.133	.769	-.208	130	148	-.497	.095	-.272	-1.000	130	227	-.349	.047	-.198	-.515
120	918	-.034	.072	.307	-.194	130	149	-.507	.100	-.257	-1.140	130	228	-.350	.047	-.206	-.510
120	919	-.369	.047	-.215	-.566	130	150	-.465	.090	-.248	-.987	130	229	-.436	.053	-.251	-.614
130	101	-.377	.055	-.190	-.632	130	151	-.462	.101	-.210	-1.144	130	230	-.428	.052	-.197	-.582
130	102	-.383	.052	-.231	-.572	130	152	-.460	.094	-.220	-1.047	130	231	-.403	.051	-.231	-.570
130	103	-.406	.055	-.180	-.595	130	153	-.484	.113	-.207	-1.313	130	232	-.393	.052	-.200	-.561
130	104	-.407	.064	-.165	-.782	130	154	-.469	.108	-.229	-1.155	130	233	-.386	.051	-.234	-.572
130	105	-.421	.076	-.171	-.726	130	155	-.490	.125	-.158	-1.298	130	234	-.393	.053	-.231	-.574
130	106	-.432	.093	-.154	-1.013	130	156	-.501	.135	-.143	-1.155	130	235	-.371	.048	-.231	-.536
130	107	-.459	.108	-.197	-1.161	130	157	-.462	.106	-.192	-1.502	130	236	-.457	.055	-.297	-.678
130	108	-.357	.045	-.201	-.565	130	158	-.463	.093	-.246	-.960	130	237	-.444	.055	-.259	-.721
130	109	-.362	.047	-.195	-.516	130	159	-.463	.111	-.199	-1.275	130	238	-.451	.053	-.308	-.667
130	110	-.369	.054	-.197	-.578	130	160	-.452	.104	-.184	-1.017	130	239	-.451	.058	-.278	-.670
130	111	-.384	.052	-.207	-.542	130	161	-.440	.094	-.162	-.964	130	240	-.439	.054	-.251	-.629
130	112	-.405	.060	-.216	-.675	130	162	-.437	.100	-.193	-1.210	130	241	-.449	.060	-.280	-.636
130	113	-.433	.089	-.197	-.855	130	163	-.434	.093	-.102	-.891	130	242	-.431	.055	-.231	-.650
130	114	-.455	.093	-.182	-.925	130	164	-.438	.090	-.197	-1.131	130	243	-.473	.055	-.336	-.680
130	115	-.358	.050	-.205	-.555	130	165	-.442	.096	-.158	-1.197	130	244	-.470	.059	-.300	-.654
130	116	-.363	.049	-.214	-.552	130	166	-.431	.094	-.135	-1.191	130	245	-.458	.066	-.285	-.761
130	117	-.369	.049	-.212	-.540	130	167	-.440	.094	-.130	-.918	130	246	-.446	.062	-.251	-.714
130	118	-.379	.043	-.250	-.548	130	168	-.427	.100	-.169	-1.049	130	247	-.454	.058	-.302	-.753
130	119	-.404	.051	-.259	-.627	130	169	-.426	.111	-.068	-1.131	130	248	-.444	.059	-.276	-.706
130	120	-.434	.068	-.227	-.754	130	170	-.394	.125	-.087	-1.068	130	249	-.455	.057	-.296	-.680
130	121	-.449	.069	-.237	-.758	130	171	-.437	.163	-.109	-1.407	130	250	-.462	.056	-.276	-.673
130	122	-.383	.048	-.231	-.563	130	201	-.361	.063	-.111	-.680	130	251	-.461	.062	-.287	-.742
130	123	-.380	.050	-.222	-.593	130	202	-.349	.057	-.137	-.579	130	252	-.507	.082	-.281	-1.004
130	124	-.396	.045	-.248	-.538	130	203	-.338	.055	-.167	-.551	130	253	-.470	.066	-.296	-.757
130	125	-.407	.047	-.238	-.558	130	204	-.349	.059	-.156	-.598	130	254	-.454	.064	-.296	-.764
130	126	-.435	.055	-.289	-.684	130	205	-.362	.067	-.115	-.591	130	255	-.461	.060	-.294	-.701
130	127	-.452	.072	-.210	-.761	130	206	-.355	.051	-.166	-.572	130	256	-.465	.066	-.259	-.742
130	128	-.468	.071	-.259	-.813	130	207	-.356	.056	-.098	-.584	130	257	-.460	.066	-.300	-.749
130	129	-.415	.048	-.257	-.585	130	208	-.359	.060	-.094	-.625	130	258	-.426	.077	-.173	-.697
130	130	-.425	.050	-.253	-.590	130	209	-.351	.058	-.166	-.734	130	259	-.409	.073	-.145	-.703
130	131	-.417	.047	-.236	-.624	130	210	-.337	.048	-.187	-.519	130	260	-.403	.070	-.185	-.734
130	132	-.437	.050	-.291	-.613	130	211	-.348	.053	-.183	-.570	130	261	-.420	.076	-.185	-.770
130	133	-.442	.055	-.298	-.648	130	212	-.338	.051	-.145	-.508	130	262	-.439	.071	-.141	-.868
130	134	-.475	.068	-.328	-.794	130	213	-.339	.054	-.179	-.538	130	263	-.466	.073	-.253	-.787
130	135	-.481	.076	-.257	-.890	130	214	-.336	.056	-.168	-.521	130	264	-.461	.074	-.251	-.967
130	136	-.429	.056	-.251	-.641	130	215	-.371	.054	-.202	-.578	130	265	-.386	.075	-.075	-.686
130	137	-.443	.057	-.253	-.646	130	216	-.364	.052	-.168	-.559	130	266	-.405	.074	-.039	-.705

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
130	267	-414	.076	-164	-703	130	336	-403	.058	-212	-602	130	437	.356	.138	.810	-011
130	268	-425	.077	-029	-713	130	337	-251	.051	-001	-415	130	438	.318	.127	.805	-025
130	269	-460	.081	-251	-842	130	338	-037	.063	.214	-226	130	439	.269	.123	.735	.006
130	270	-462	.074	-234	-739	130	339	.102	.079	.456	-103	130	440	.174	.104	.510	-114
130	271	-346	.094	-077	-853	130	340	.182	.104	.567	-318	130	441	.002	.080	.310	-217
130	272	-351	.084	-020	-648	130	341	.172	.158	.690	-604	130	442	-131	.066	.207	-343
130	273	-359	.073	-111	-661	130	342	.087	.172	.657	-467	130	443	.238	.132	.707	-442
130	274	-366	.076	-134	-680	130	343	-341	.050	-141	-549	130	444	.246	.130	.885	-078
130	275	-380	.074	-149	-764	130	344	-226	.049	-021	-408	130	445	.178	.137	.760	-448
130	276	-390	.070	-179	-620	130	345	.005	.076	.345	-234	130	446	.175	.121	.736	-247
130	277	-409	.072	-158	-680	130	346	.163	.094	.545	-048	130	447	.193	.121	.647	-083
130	278	-447	.077	-177	-863	130	347	.287	.125	.851	-006	130	448	.151	.106	.521	-089
130	279	-451	.076	-213	-758	130	348	.294	.140	.811	-295	130	449	.105	.089	.490	-112
130	280	-451	.079	-240	-952	130	349	.251	.144	.789	-374	130	450	.052	.073	.240	-273
130	281	-452	.072	-223	-758	130	401	.326	.127	.737	-053	130	451	.192	.067	.121	-471
130	301	-259	.048	-080	-450	130	402	.271	.126	.657	-115	130	452	.032	.193	.698	-812
130	302	-155	.051	-022	-323	130	403	.184	.113	.590	-223	130	453	.029	.185	.634	-706
130	303	-062	.062	.149	-247	130	404	.148	.103	.456	-152	130	454	.118	.143	.643	-363
130	304	-066	.073	.250	-228	130	405	.089	.102	.482	-319	130	455	.139	.123	.579	-246
130	305	.069	.083	.333	-254	130	406	.030	.084	.319	-284	130	456	.125	.084	.494	-138
130	306	.124	.152	.529	-497	130	407	.087	.079	.184	-408	130	457	.131	.093	.483	-163
130	307	.026	.209	.623	-669	130	408	.533	.168	1.172	-003	130	458	.178	.099	.615	-125
130	308	.268	.038	-148	-408	130	409	.570	.166	1.036	.098	130	459	.175	.090	.596	-061
130	309	.117	.046	.055	-297	130	410	.521	.150	.957	.018	130	460	.189	.099	.630	-056
130	310	.059	.077	.357	-160	130	411	.440	.148	.871	-007	130	461	.167	.089	.621	-188
130	311	.154	.089	.453	-132	130	412	.362	.135	.824	-086	130	462	.115	.081	.446	-120
130	312	.239	.102	.623	-099	130	413	.166	.103	.524	-203	130	463	.038	.062	.272	-254
130	313	.235	.229	.732	-820	130	414	.004	.079	.314	-303	130	464	.168	.062	.076	-408
130	314	.134	.219	.762	-594	130	415	.539	.161	1.046	.025	130	465	.240	.098	.670	-096
130	315	.269	.039	-141	-394	130	416	.573	.162	1.076	.065	130	466	.217	.101	.682	-063
130	316	.138	.047	.040	-292	130	417	.568	.162	1.041	.105	130	467	.201	.099	.619	-053
130	317	.056	.071	.340	-195	130	418	.482	.152	.967	.093	130	468	.159	.090	.640	-122
130	318	.185	.085	.474	-033	130	419	.368	.125	.822	-019	130	469	.202	.107	.661	-150
130	319	.278	.108	.618	-035	130	420	.135	.098	.449	-152	130	470	.207	.100	.649	-103
130	320	.248	.214	.831	-500	130	421	.017	.073	.240	-236	130	471	.219	.107	.680	.001
130	321	.195	.203	.713	-443	130	422	.484	.150	1.020	.074	130	472	.261	.107	.685	.006
130	322	.280	.038	-143	-412	130	423	.519	.141	.983	.177	130	473	.244	.118	.783	.028
130	323	.153	.043	.076	-285	130	424	.524	.156	1.074	.044	130	474	.254	.121	.831	.065
130	324	.022	.065	.333	-141	130	425	.435	.149	.999	.065	130	475	.295	.128	.932	.007
130	325	.142	.080	.427	-051	130	426	.312	.114	.654	-049	130	476	.290	.121	.929	.014
130	326	.259	.106	.581	-141	130	427	.100	.093	.452	-159	130	477	.263	.125	.794	.077
130	327	.200	.214	.768	-476	130	428	.065	.058	.137	-243	130	478	.302	.118	.757	.002
130	328	.170	.207	.784	-545	130	429	.394	.138	.882	.004	130	479	.228	.118	.805	.064
130	329	.302	.046	-159	-467	130	430	.452	.140	.922	.081	130	480	.043	.076	.360	-172
130	330	.195	.046	-022	-327	130	431	.441	.146	.969	.041	130	481	.086	.064	.163	-320
130	331	.008	.061	.304	-155	130	432	.371	.127	.744	.036	130	901	.540	.104	.217	-126
130	332	.133	.083	.470	-112	130	433	.258	.109	.685	-055	130	902	.514	.111	.083	.903
130	333	.219	.106	.678	-065	130	434	.060	.084	.421	-158	130	903	.291	.095	.043	.589
130	334	.198	.191	.720	-443	130	435	.083	.061	.132	-273	130	904	.469	.094	.189	.849
130	335	.135	.207	.777	-748	130	436	.335	.143	.772	-203	130	905	.256	.101	.090	.683

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
130	906	- .410	.090	- .015	- .760	140	137	- .407	.051	- .269	- .598	140	216	- .345	.046	- .216	- .605
130	907	- .353	.108	- .093	- .760	140	138	- .418	.049	- .260	- .628	140	217	- .350	.040	- .218	- .502
130	908	- .438	.090	- .121	- .840	140	139	- .428	.049	- .295	- .598	140	218	- .342	.042	- .207	- .500
130	909	- .442	.085	- .138	- .810	140	140	- .436	.054	- .297	- .726	140	219	- .342	.041	- .220	- .521
130	910	- .542	.107	- .185	- .976	140	141	- .450	.054	- .312	- .684	140	220	- .339	.044	- .186	- .496
130	911	- .550	.117	- .193	- 1.318	140	142	- .461	.066	- .282	- .801	140	221	- .334	.045	- .169	- .492
130	912	- .481	.099	- .148	- .874	140	143	- .410	.057	- .256	- .663	140	222	- .362	.049	- .171	- .527
130	913	- .537	.113	- .193	- 1.148	140	144	- .424	.061	- .251	- .702	140	223	- .353	.045	- .184	- .502
130	914	- .566	.112	- .200	- 1.052	140	145	- .425	.067	- .239	- .708	140	224	- .356	.044	- .203	- .567
130	915	- .541	.100	- .274	- 1.138	140	146	- .438	.069	- .253	- 1.146	140	225	- .357	.047	- .211	- .538
130	916	- .509	.084	- .236	- 1.042	140	147	- .448	.067	- .286	- .762	140	226	- .344	.045	- .209	- .485
130	917	- .354	.131	- .969	.036	140	148	- .464	.083	- .249	- .932	140	227	- .341	.044	- .182	- .527
130	918	- .175	.102	- .641	- .062	140	149	- .463	.079	- .273	- .947	140	228	- .341	.040	- .198	- .497
130	919	- .330	.048	- .079	- .519	140	150	- .427	.076	- .209	- .789	140	229	- .389	.054	- .181	- .550
140	101	- .360	.053	- .179	- .623	140	151	- .418	.071	- .230	- .924	140	230	- .378	.051	- .165	- .546
140	102	- .361	.049	- .200	- .546	140	152	- .434	.077	- .234	- .903	140	231	- .378	.052	- .237	- .563
140	103	- .381	.057	- .157	- .706	140	153	- .449	.090	- .224	- .894	140	232	- .376	.046	- .243	- .546
140	104	- .384	.061	- .168	- .580	140	154	- .455	.090	- .098	- .977	140	233	- .375	.048	- .222	- .523
140	105	- .369	.061	- .168	- .775	140	155	- .481	.114	- .162	- 1.317	140	234	- .367	.048	- .177	- .527
140	106	- .369	.073	- .174	- .883	140	156	- .484	.114	- .194	- 1.138	140	235	- .371	.049	- .222	- .546
140	107	- .366	.077	- .164	- 1.005	140	157	- .432	.073	- .236	- 1.054	140	236	- .439	.059	- .171	- .790
140	108	- .353	.050	- .185	- .567	140	158	- .443	.082	- .258	- .851	140	237	- .439	.056	- .215	- .633
140	109	- .347	.047	- .200	- .493	140	159	- .436	.088	- .234	- 1.073	140	238	- .437	.052	- .273	- .699
140	110	- .354	.048	- .196	- .559	140	160	- .433	.086	- .194	- 1.073	140	239	- .433	.052	- .268	- .678
140	111	- .358	.049	- .194	- .537	140	161	- .405	.074	- .194	- .911	140	240	- .438	.052	- .287	- .650
140	112	- .358	.053	- .196	- .580	140	162	- .403	.078	- .183	- .810	140	241	- .415	.052	- .266	- .580
140	113	- .371	.067	- .179	- .794	140	163	- .414	.079	- .224	- .960	140	242	- .421	.049	- .241	- .631
140	114	- .365	.067	- .172	- .708	140	164	- .423	.078	- .217	- .815	140	243	- .451	.056	- .286	- .647
140	115	- .345	.044	- .217	- .473	140	165	- .416	.077	- .215	- .862	140	244	- .456	.057	- .290	- .771
140	116	- .344	.046	- .200	- .508	140	166	- .417	.077	- .179	- .889	140	245	- .452	.058	- .267	- .848
140	117	- .349	.041	- .217	- .482	140	167	- .426	.086	- .205	- .927	140	246	- .455	.062	- .284	- .780
140	118	- .362	.039	- .234	- .508	140	168	- .417	.093	- .200	- 1.192	140	247	- .457	.065	- .288	- .848
140	119	- .366	.050	- .241	- .550	140	169	- .416	.092	- .166	- 1.134	140	248	- .452	.064	- .299	- .972
140	120	- .376	.046	- .247	- .578	140	170	- .430	.127	- .004	- 1.098	140	249	- .442	.061	- .284	- .771
140	121	- .390	.058	- .219	- .734	140	171	- .467	.148	- .083	- 1.231	140	250	- .440	.056	- .275	- .643
140	122	- .352	.045	- .228	- .501	140	201	- .344	.062	- .164	- .763	140	251	- .450	.056	- .307	- .872
140	123	- .356	.044	- .217	- .544	140	202	- .348	.058	- .164	- .632	140	252	- .513	.096	- .305	- .972
140	124	- .365	.040	- .241	- .491	140	203	- .344	.057	- .151	- .604	140	253	- .444	.062	- .252	- .707
140	125	- .374	.041	- .245	- .517	140	204	- .368	.063	- .130	- .602	140	254	- .438	.058	- .288	- .673
140	126	- .381	.041	- .233	- .504	140	205	- .372	.067	- .083	- .599	140	255	- .442	.059	- .269	- .743
140	127	- .394	.055	- .205	- .711	140	206	- .359	.050	- .180	- .557	140	256	- .442	.062	- .218	- .731
140	128	- .407	.059	- .230	- .713	140	207	- .356	.057	- .182	- .546	140	257	- .443	.064	- .262	- .782
140	129	- .387	.045	- .248	- .525	140	208	- .349	.057	- .165	- .673	140	258	- .439	.069	- .224	- .716
140	130	- .385	.046	- .235	- .553	140	209	- .347	.056	- .129	- .595	140	259	- .417	.061	- .224	- .673
140	131	- .402	.049	- .258	- .596	140	210	- .344	.048	- .190	- .515	140	260	- .410	.067	- .186	- .719
140	132	- .404	.048	- .241	- .557	140	211	- .340	.048	- .138	- .538	140	261	- .421	.069	- .197	- .719
140	133	- .416	.048	- .258	- .600	140	212	- .351	.054	- .157	- .542	140	262	- .426	.072	- .190	- .900
140	134	- .428	.056	- .265	- .713	140	213	- .339	.051	- .157	- .517	140	263	- .440	.069	- .266	- .854
140	135	- .439	.066	- .226	- .737	140	214	- .340	.051	- .167	- .548	140	264	- .439	.071	- .230	- .761
140	136	- .417	.051	- .288	- .624	140	215	- .349	.046	- .178	- .515	140	265	- .397	.068	- .150	- .668

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
140	266	- .402	.069	- .119	- .649	140	335	.346	.172	.862	- .297	140	436	.277	.137	.751	- .223
140	267	- .413	.069	- .167	- .719	140	336	- .362	.050	- .150	- .532	140	437	.281	.131	.786	- .317
140	268	- .420	.066	- .089	- .683	140	337	- .209	.051	.057	- .402	140	438	.241	.118	.710	- .043
140	269	- .433	.075	- .251	- .871	140	338	.029	.074	.309	- .201	140	439	.188	.107	.580	- .054
140	270	- .435	.071	- .218	- .755	140	339	.185	.103	.591	- .066	140	440	.099	.086	.548	- .119
140	271	- .385	.088	- .033	- .761	140	340	.254	.116	.687	- .024	140	441	- .052	.069	.195	- .260
140	272	- .369	.079	- .072	- .727	140	341	.268	.142	.882	- .215	140	442	- .171	.058	.098	- .315
140	273	- .367	.071	- .144	- .658	140	342	.271	.151	.738	- .411	140	443	- .108	.161	.639	- .544
140	274	- .382	.067	- .152	- .649	140	343	- .286	.044	- .148	- .466	140	444	.149	.117	.565	- .381
140	275	- .393	.069	- .161	- .734	140	344	- .152	.049	.054	- .304	140	445	.022	.140	.510	- .563
140	276	- .383	.068	- .083	- .618	140	345	.112	.083	.455	- .097	140	446	.093	.117	.624	- .560
140	277	- .399	.066	- .114	- .692	140	346	.259	.113	.708	- .031	140	447	.092	.089	.512	- .201
140	278	- .422	.073	- .201	- .761	140	347	.382	.137	.906	- .043	140	448	.074	.081	.408	- .109
140	279	- .426	.072	- .232	- .793	140	348	.321	.147	.995	- .007	140	449	.016	.073	.344	- .165
140	280	- .432	.075	- .211	- .873	140	349	.237	.121	.826	- .122	140	450	- .098	.065	.163	- .299
140	281	- .429	.073	- .216	- .778	140	401	.304	.135	.724	- .243	140	451	- .222	.059	.037	- .458
140	301	- .228	.054	- .019	- .432	140	402	.222	.116	.633	- .248	140	452	- .106	.143	.527	- .873
140	302	- .094	.058	- .123	- .325	140	403	.128	.099	.400	- .197	140	453	- .062	.105	.395	- .714
140	303	- .008	.073	- .263	- .204	140	404	.077	.094	.379	- .220	140	454	- .016	.108	.410	- .391
140	304	.087	.084	.411	- .218	140	405	.015	.088	.303	- .346	140	455	.019	.102	.499	- .468
140	305	.170	.097	.516	- .123	140	406	- .047	.065	.207	- .291	140	456	.074	.085	.427	- .275
140	306	.286	.125	.648	- .232	140	407	- .142	.064	.112	- .385	140	457	.076	.086	.349	- .220
140	307	.333	.153	.734	- .386	140	408	.544	.171	1.005	- .064	140	458	.123	.093	.478	- .230
140	308	.224	.041	- .072	- .393	140	409	.536	.155	1.069	- .025	140	459	.121	.095	.503	- .211
140	309	.042	.058	.179	- .235	140	410	.435	.136	.833	- .016	140	460	.132	.088	.421	- .281
140	310	.171	.092	.565	- .107	140	411	.348	.136	.796	- .050	140	461	.128	.081	.497	- .197
140	311	.262	.111	.725	- .100	140	412	.248	.116	.640	- .071	140	462	.077	.074	.388	- .165
140	312	.367	.129	.758	- .014	140	413	.070	.082	.381	- .177	140	463	- .075	.054	.149	- .260
140	313	.456	.154	.934	- .095	140	414	.087	.060	.151	- .275	140	464	- .174	.057	.112	- .374
140	314	.470	.184	.962	- .218	140	415	.553	.170	1.140	- .119	140	465	.182	.106	.604	- .260
140	315	.231	.041	- .037	- .390	140	416	.549	.161	1.010	- .124	140	466	.158	.100	.639	- .162
140	316	.065	.055	.123	- .267	140	417	.478	.142	.964	- .055	140	467	.145	.090	.507	- .066
140	317	.166	.086	.470	- .083	140	418	.408	.135	.883	- .057	140	468	.123	.084	.454	- .194
140	318	.307	.109	.702	- .023	140	419	.256	.109	.691	- .046	140	469	.164	.103	.570	- .134
140	319	.422	.133	.846	- .100	140	420	.045	.076	.374	- .172	140	470	.147	.098	.591	- .206
140	320	.491	.156	.957	- .039	140	421	- .086	.056	.133	- .241	140	471	.187	.095	.584	- .027
140	321	.473	.178	1.002	- .262	140	422	.499	.164	1.033	- .108	140	472	.201	.106	.703	- .066
140	322	- .245	.036	- .114	- .360	140	423	.493	.142	.922	- .087	140	473	.183	.099	.532	- .067
140	323	.079	.052	- .109	- .228	140	424	.440	.142	1.056	- .051	140	474	.198	.105	.601	- .021
140	324	.136	.077	.402	- .062	140	425	.342	.122	.737	- .011	140	475	.123	.119	.725	- .124
140	325	.265	.100	.596	- .001	140	426	.223	.100	.542	- .037	140	476	.207	.117	.691	- .057
140	326	.366	.124	.810	- .057	140	427	.014	.072	.282	- .188	140	477	.214	.114	.734	- .154
140	327	.422	.160	.924	- .539	140	428	- .123	.050	.093	- .290	140	478	.227	.127	.753	- .115
140	328	.438	.167	.985	- .348	140	429	.405	.145	.834	- .121	140	479	.163	.109	.652	- .087
140	329	.254	.042	- .110	- .395	140	430	.427	.144	.926	- .089	140	480	.017	.073	.313	- .220
140	330	.127	.053	.088	- .318	140	431	.356	.140	.800	- .004	140	481	- .106	.060	.142	- .301
140	331	.080	.085	.419	- .157	140	432	.297	.119	.645	- .020	140	901	- .521	.102	- .114	- .957
140	332	.212	.102	.584	- .036	140	433	.167	.095	.530	- .082	140	902	- .428	.112	- .017	- .825
140	333	.320	.119	.724	- .017	140	434	- .024	.069	.225	- .207	140	903	- .260	.089	- .015	- .638
140	334	.354	.144	.831	- .288	140	435	- .145	.053	.086	- .294	140	904	- .417	.079	- .190	- .784

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
140	905	-278	106	-149	-645	150	136	-395	049	-213	-560	150	215	-362	047	-188	-572
140	906	-448	097	-045	-786	150	137	-396	051	-215	-592	150	216	-357	045	-194	-540
140	907	-427	093	-043	-767	150	138	-408	051	-252	-584	150	217	-352	041	-215	-658
140	908	-473	095	-038	-924	150	139	-422	057	-245	-616	150	218	-342	042	-209	-475
140	909	-456	085	-145	-860	150	140	-433	051	-288	-729	150	219	-344	043	-222	-515
140	910	-533	109	-213	-1046	150	141	-437	059	-235	-809	150	220	-344	045	-201	-515
140	911	-575	131	-258	-1350	150	142	-443	064	-262	-802	150	221	-339	043	-203	-498
140	912	-535	113	-107	-1017	150	143	-405	063	-211	-773	150	222	-365	050	-186	-665
140	913	-559	124	-239	-1250	150	144	-402	058	-215	-714	150	223	-358	041	-224	-553
140	914	-553	120	-143	-1076	150	145	-420	066	-224	-895	150	224	-364	044	-207	-521
140	915	-541	110	-150	-966	150	146	-428	077	-234	-981	150	225	-352	043	-205	-542
140	916	-496	087	-207	-985	150	147	-458	082	-170	-934	150	226	-352	044	-196	-517
140	917	-329	133	917	-008	150	148	-474	098	-153	-1011	150	227	-351	046	-152	-530
140	918	-268	119	728	-045	150	149	-464	081	-217	-951	150	228	-350	040	-216	-571
140	919	-274	051	-066	-447	150	150	-398	065	-221	-681	150	229	-391	058	-207	-747
150	101	-354	052	-185	-530	150	151	-405	071	-209	-825	150	230	-394	055	-248	-668
150	102	-351	049	-172	-536	150	152	-416	073	-239	-878	150	231	-385	047	-233	-607
150	103	-365	055	-183	-581	150	153	-443	092	-217	-1034	150	232	-384	049	-248	-573
150	104	-357	055	-183	-566	150	154	-457	095	-057	-957	150	233	-377	044	-222	-547
150	105	-339	055	-162	-647	150	155	-487	139	-050	-1317	150	234	-365	045	-237	-520
150	106	-343	058	-119	-679	150	156	-495	140	-170	-1469	150	235	-376	047	-231	-524
150	107	-346	061	-162	-681	150	157	-416	073	-239	-776	150	236	-462	068	-263	-751
150	108	-341	047	-164	-502	150	158	-430	075	-254	-878	150	237	-447	063	-250	-728
150	109	-347	045	-194	-493	150	159	-426	088	-200	-955	150	238	-455	065	-301	-851
150	110	-345	046	-153	-521	150	160	-438	084	-181	-1002	150	239	-454	070	-216	-1021
150	111	-346	049	-174	-545	150	161	-403	068	-234	-771	150	240	-434	054	-250	-717
150	112	-339	048	-196	-532	150	162	-378	070	-198	-705	150	241	-423	053	-250	-660
150	113	-340	049	-177	-604	150	163	-402	068	-232	-786	150	242	-430	055	-241	-791
150	114	-337	053	-138	-549	150	164	-407	070	-243	-806	150	243	-457	062	-280	-753
150	115	-336	041	-206	-502	150	165	-424	079	-236	-900	150	244	-453	067	-282	-843
150	116	-341	044	-206	-504	150	166	-423	087	-211	-899	150	245	-453	069	-235	-821
150	117	-343	040	-213	-478	150	167	-415	079	-211	-836	150	246	-456	063	-245	-693
150	118	-344	041	-236	-497	150	168	-421	086	-070	-944	150	247	-475	078	-295	-896
150	119	-343	039	-213	-467	150	169	-414	092	-106	-871	150	248	-466	076	-290	-937
150	120	-350	045	-213	-557	150	170	-454	151	099	-1363	150	249	-447	071	-275	-884
150	121	-343	044	-191	-553	150	171	-498	189	132	-1663	150	250	-445	066	-262	-772
150	122	-348	041	-217	-470	150	201	-371	067	-162	-714	150	251	-445	067	-282	-931
150	123	-352	043	-215	-497	150	202	-356	062	-130	-633	150	252	-509	099	-267	-1057
150	124	-358	038	-241	-515	150	203	-375	062	-145	-674	150	253	-445	077	-271	-948
150	125	-353	038	-230	-489	150	204	-390	063	-173	-650	150	254	-438	069	-245	-862
150	126	-356	044	-207	-519	150	205	-388	067	-112	-823	150	255	-448	068	-273	-746
150	127	-356	045	-192	-511	150	206	-362	051	-177	-559	150	256	-459	085	-254	-901
150	128	-358	045	-198	-522	150	207	-363	056	-152	-597	150	257	-450	076	-252	-802
150	129	-367	042	-205	-498	150	208	-365	058	-182	-595	150	258	-408	072	-076	-687
150	130	-366	046	-228	-515	150	209	-356	058	-141	-639	150	259	-402	064	-106	-637
150	131	-382	045	-235	-530	150	210	-355	047	-201	-620	150	260	-395	072	-074	-696
150	132	-390	045	-247	-567	150	211	-349	053	-152	-540	150	261	-387	073	-156	-696
150	133	-384	047	-252	-554	150	212	-352	052	-177	-517	150	262	-417	081	-006	-787
150	134	-389	051	-209	-597	150	213	-352	050	-179	-627	150	263	-438	082	-184	-939
150	135	-386	056	-198	-637	150	214	-342	050	-171	-557	150	264	-454	083	-190	-894

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
150	265	357	.079	047	622	150	334	429	143	907	033	150	435	154	046	020	325
150	266	366	.075	028	631	150	335	426	152	875	009	150	436	238	146	721	263
150	267	374	.077	078	665	150	336	320	052	039	516	150	437	263	131	668	179
150	268	398	.083	044	705	150	337	151	055	126	388	150	438	226	108	592	177
150	269	446	.088	232	856	150	338	075	084	363	152	150	439	158	092	561	084
150	270	455	.099	209	055	150	339	227	102	624	014	150	440	069	072	372	131
150	271	360	.096	082	781	150	340	295	126	809	000	150	441	087	053	117	249
150	272	376	.082	032	622	150	341	300	127	737	009	150	442	190	048	010	330
150	273	319	.071	084	601	150	342	325	134	765	070	150	443	026	169	538	796
150	274	335	.077	032	669	150	343	249	053	057	603	150	444	054	149	657	522
150	275	332	.075	072	627	150	344	105	062	194	322	150	445	043	132	419	611
150	276	325	.074	095	591	150	345	165	097	608	084	150	446	102	123	518	416
150	277	362	.078	086	603	150	346	320	118	741	007	150	447	056	099	434	320
150	278	423	.082	110	751	150	347	379	140	903	052	150	448	026	072	326	190
150	279	428	.087	029	865	150	348	324	147	914	005	150	449	036	060	277	205
150	280	439	.089	074	844	150	349	205	125	829	069	150	450	105	055	173	318
150	281	437	.080	215	728	150	401	208	138	631	430	150	451	230	052	004	431
150	301	144	.063	126	389	150	402	145	114	498	327	150	452	143	137	366	881
150	302	010	.077	252	242	150	403	077	086	316	203	150	453	081	093	292	534
150	303	123	.090	473	168	150	404	035	082	384	222	150	454	062	097	374	486
150	304	207	.102	602	107	150	405	016	075	277	366	150	455	034	106	404	484
150	305	276	.117	623	112	150	406	077	054	102	267	150	456	033	102	602	333
150	306	392	.141	767	144	150	407	167	054	021	402	150	457	039	094	423	275
150	307	472	.147	863	140	150	408	448	195	944	303	150	458	070	095	447	203
150	308	158	.048	042	310	150	409	414	156	907	271	150	459	088	100	508	197
150	309	071	.076	366	142	150	410	349	123	797	020	150	460	163	098	646	228
150	310	300	.109	716	046	150	411	291	112	696	046	150	461	130	086	460	296
150	311	414	.130	898	019	150	412	184	093	544	076	150	462	082	070	429	130
150	312	498	.137	921	042	150	413	013	066	277	177	150	463	064	053	168	247
150	313	584	.157	1028	103	150	414	118	050	102	273	150	464	175	049	005	356
150	314	585	.163	059	084	150	415	455	202	990	322	150	465	182	107	620	149
150	315	164	.049	042	352	150	416	473	158	958	202	150	466	166	093	539	266
150	316	035	.069	280	179	150	417	418	124	806	026	150	467	163	087	636	152
150	317	288	.113	711	037	150	418	305	108	693	002	150	468	114	083	407	250
150	318	424	.130	861	040	150	419	185	091	580	092	150	469	190	100	552	091
150	319	532	.143	940	131	150	420	002	061	217	198	150	470	181	105	657	072
150	320	583	.146	066	212	150	421	126	046	049	315	150	471	207	101	624	030
150	321	565	.162	159	086	150	422	402	200	921	412	150	472	208	107	671	044
150	322	185	.045	112	338	150	423	441	153	935	223	150	473	218	106	898	034
150	323	008	.064	247	191	150	424	370	124	781	023	150	474	205	109	659	055
150	324	231	.096	557	056	150	425	270	111	645	011	150	475	228	111	765	055
150	325	361	.123	816	009	150	426	157	085	442	062	150	476	214	117	758	112
150	326	469	.138	940	089	150	427	032	059	214	209	150	477	177	100	663	117
150	327	538	.157	052	030	150	428	145	040	027	267	150	478	200	118	721	089
150	328	490	.166	998	021	150	429	358	172	858	244	150	479	166	098	559	087
150	329	203	.048	021	360	150	430	373	131	844	091	150	480	003	067	284	196
150	330	067	.061	255	238	150	431	326	114	673	043	150	481	110	052	161	283
150	331	146	.092	496	098	150	432	203	099	598	057	150	901	483	104	124	939
150	332	279	.117	685	074	150	433	115	083	446	140	150	902	261	126	156	728
150	333	364	.136	809	023	150	434	046	056	198	221	150	903	278	086	010	587

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
150	904	-.393	.079	-.154	-.677	160	135	-.426	.055	-.179	-.731	160	214	-.334	.052	-.158	-.520
150	905	-.330	.093	-.071	-.675	160	136	-.363	.055	-.194	-.588	160	215	-.386	.061	-.230	-.632
150	906	-.474	.103	-.110	-.941	160	137	-.363	.059	-.149	-.635	160	216	-.387	.056	-.211	-.653
150	907	-.450	.108	-.010	-.047	160	138	-.376	.056	-.214	-.618	160	217	-.375	.052	-.200	-.613
150	908	-.482	.101	-.110	-.895	160	139	-.397	.060	-.211	-.643	160	218	-.359	.050	-.230	-.550
150	909	-.478	.091	-.212	-.059	160	140	-.425	.062	-.267	-.735	160	219	-.344	.047	-.190	-.510
150	910	-.532	.099	-.188	-.896	160	141	-.439	.072	-.211	-.808	160	220	-.336	.051	-.166	-.537
150	911	-.563	.125	-.205	-.182	160	142	-.436	.067	-.248	-.761	160	221	-.341	.046	-.183	-.491
150	912	-.559	.108	-.184	-.980	160	143	-.355	.075	-.110	-.718	160	222	-.414	.069	-.221	-.762
150	913	-.568	.139	-.220	-.201	160	144	-.359	.069	-.170	-.690	160	223	-.397	.055	-.249	-.672
150	914	-.487	.113	-.118	-.002	160	145	-.411	.074	-.170	-.844	160	224	-.381	.055	-.221	-.657
150	915	-.552	.117	-.178	-.002	160	146	-.431	.086	-.170	-.938	160	225	-.379	.052	-.221	-.579
150	916	-.482	.081	-.220	-.968	160	147	-.467	.100	-.191	-.904	160	226	-.357	.050	-.192	-.554
150	917	-.368	.137	-.899	-.003	160	148	-.484	.093	-.121	-.882	160	227	-.358	.054	-.171	-.533
150	918	-.318	.134	1.006	-.001	160	149	-.477	.085	-.091	-.861	160	228	-.350	.045	-.211	-.512
150	919	-.219	.065	-.048	-.552	160	150	-.347	.085	-.119	-.759	160	229	-.442	.072	-.262	-.836
160	101	-.330	.056	-.146	-.537	160	151	-.371	.082	-.138	-.761	160	230	-.431	.063	-.239	-.811
160	102	-.330	.048	-.172	-.522	160	152	-.430	.097	-.176	-.912	160	231	-.423	.058	-.251	-.743
160	103	-.335	.054	-.159	-.581	160	153	-.433	.115	-.018	-.091	160	232	-.421	.055	-.260	-.656
160	104	-.321	.052	-.165	-.524	160	154	-.437	.161	-.095	-.1458	160	233	-.399	.055	-.203	-.624
160	105	-.336	.056	-.153	-.624	160	155	-.494	.148	-.044	-.1198	160	234	-.403	.051	-.262	-.610
160	106	-.348	.064	-.170	-.613	160	156	-.483	.136	-.087	-.1192	160	235	-.381	.056	-.222	-.603
160	107	-.359	.063	-.123	-.669	160	157	-.437	.099	-.159	-.899	160	236	-.465	.088	-.279	-.050
160	108	-.316	.049	-.172	-.509	160	158	-.450	.103	-.172	-.959	160	237	-.457	.071	-.304	-.798
160	109	-.326	.049	-.155	-.554	160	159	-.402	.112	-.001	-.916	160	238	-.459	.079	-.277	-.870
160	110	-.323	.048	-.180	-.503	160	160	-.366	.114	-.069	-.859	160	239	-.471	.078	-.292	-.858
160	111	-.324	.052	-.183	-.560	160	161	-.355	.074	-.123	-.613	160	240	-.462	.073	-.271	-.771
160	112	-.332	.049	-.170	-.590	160	162	-.371	.077	-.081	-.700	160	241	-.452	.066	-.285	-.745
160	113	-.345	.059	-.138	-.733	160	163	-.401	.081	-.178	-.769	160	242	-.440	.062	-.277	-.720
160	114	-.348	.058	-.142	-.684	160	164	-.433	.099	-.148	-.848	160	243	-.435	.067	-.278	-.804
160	115	-.332	.044	-.200	-.481	160	165	-.425	.105	-.059	-.938	160	244	-.437	.072	-.256	-.757
160	116	-.332	.044	-.189	-.513	160	166	-.444	.124	-.077	-.883	160	245	-.447	.066	-.235	-.695
160	117	-.340	.044	-.195	-.481	160	167	-.369	.115	-.015	-.842	160	246	-.444	.074	-.241	-.778
160	118	-.340	.042	-.212	-.496	160	168	-.324	.121	-.161	-.816	160	247	-.447	.079	-.263	-.851
160	119	-.331	.044	-.202	-.507	160	169	-.351	.169	.099	-.1191	160	248	-.447	.084	-.250	-.857
160	120	-.336	.046	-.187	-.492	160	170	-.484	.183	.148	-.1398	160	249	-.440	.087	-.241	-.947
160	121	-.355	.049	-.187	-.592	160	171	-.500	.194	.124	-.1571	160	250	-.435	.078	-.239	-.812
160	122	-.337	.045	-.221	-.515	160	201	-.392	.086	-.113	-.885	160	251	-.432	.077	-.235	-.994
160	123	-.347	.045	-.229	-.498	160	202	-.396	.079	-.141	-.821	160	252	-.476	.097	-.220	-.898
160	124	-.344	.040	-.222	-.477	160	203	-.380	.072	-.169	-.761	160	253	-.458	.090	-.231	-.846
160	125	-.349	.040	-.237	-.479	160	204	-.390	.068	-.120	-.806	160	254	-.440	.098	-.203	-.947
160	126	-.352	.047	-.188	-.506	160	205	-.379	.070	-.131	-.756	160	255	-.447	.088	-.216	-.990
160	127	-.365	.052	-.169	-.560	160	206	-.357	.050	-.190	-.629	160	256	-.462	.097	-.179	-.985
160	128	-.383	.051	-.229	-.583	160	207	-.357	.061	-.164	-.707	160	257	-.454	.092	-.147	-.868
160	129	-.352	.046	-.205	-.481	160	208	-.391	.080	-.137	-.794	160	258	-.402	.082	-.111	-.701
160	130	-.362	.045	-.222	-.506	160	209	-.389	.070	-.171	-.802	160	259	-.374	.074	-.098	-.703
160	131	-.351	.047	-.218	-.547	160	210	-.368	.057	-.173	-.627	160	260	-.369	.073	-.118	-.720
160	132	-.362	.051	-.186	-.545	160	211	-.360	.055	-.166	-.615	160	261	-.353	.075	-.103	-.781
160	133	-.376	.047	-.229	-.541	160	212	-.337	.055	-.188	-.543	160	262	-.351	.089	-.076	-.777
160	134	-.399	.055	-.192	-.613	160	213	-.339	.054	-.120	-.543	160	263	-.396	.100	.004	-.743

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
160	264	- .427	.098	- .072	- .951	160	333	.465	.145	.929	.080	160	434	- .129	.040	-.052	- .248
160	265	- .336	.070	- .080	- .638	160	334	.410	.137	.933	.035	160	435	- .199	.037	-.064	- .327
160	266	- .323	.068	- .101	- .638	160	335	.371	.143	.931	-.025	160	436	- .051	.199	.537	- .676
160	267	- .291	.071	.010	- .632	160	336	- .280	.058	-.039	-.504	160	437	.021	.197	.514	- .604
160	268	- .270	.097	.076	- .554	160	337	- .076	.073	.269	-.319	160	438	.094	.105	.507	- .387
160	269	- .461	.125	.023	-1.010	160	338	.180	.102	.646	-.049	160	439	.065	.068	.371	- .135
160	270	- .468	.101	- .215	- .922	160	339	.327	.127	.887	.014	160	440	- .026	.052	.200	- .184
160	271	- .347	.108	.008	- .716	160	340	.350	.126	.838	.059	160	441	- .138	.040	.057	- .253
160	272	- .320	.090	.017	- .665	160	341	.304	.120	.709	.017	160	442	- .219	.040	-.080	- .366
160	273	- .287	.065	- .044	- .579	160	342	.281	.133	.719	-.056	160	443	- .175	.116	.306	- .796
160	274	- .275	.057	- .028	- .577	160	343	- .180	.060	.071	-.411	160	444	- .115	.127	.304	- .684
160	275	- .277	.060	- .032	- .516	160	344	- .023	.074	.344	-.241	160	445	- .149	.095	.208	- .707
160	276	- .253	.057	.040	- .514	160	345	.256	.107	.677	-.014	160	446	- .025	.122	.453	- .459
160	277	- .237	.084	.044	- .541	160	346	.422	.144	1.022	.091	160	447	- .046	.081	.323	- .366
160	278	- .276	.133	.130	- .638	160	347	.398	.148	1.033	.018	160	448	- .051	.059	.206	- .343
160	279	- .343	.127	.101	- .792	160	348	.244	.130	.776	-.131	160	449	- .090	.048	.088	- .277
160	280	- .417	.116	.027	- .939	160	349	.104	.107	.573	- .279	160	450	- .137	.045	.050	- .473
160	281	- .437	.083	- .150	- .762	160	401	- .147	.190	.315	- .849	160	451	- .236	.054	-.051	- .472
160	301	- .079	.073	.214	- .328	160	402	- .038	.166	.364	- .683	160	452	- .271	.165	.211	-1.241
160	302	.098	.090	.396	- .188	160	403	- .018	.070	.266	-.319	160	453	- .157	.101	.113	-1.048
160	303	.203	.113	.582	- .205	160	404	- .049	.062	.166	- .277	160	454	- .131	.091	.136	- .658
160	304	.271	.118	.592	- .118	160	405	- .090	.061	.166	-.331	160	455	- .116	.083	.151	- .603
160	305	.350	.128	.761	- .025	160	406	- .134	.045	.046	- .294	160	456	- .062	.095	.253	- .546
160	306	.445	.132	.987	- .063	160	407	- .210	.048	-.018	-.413	160	457	- .060	.089	.232	- .353
160	307	.446	.141	.808	- .004	160	408	- .005	.222	.690	- .662	160	458	- .019	.087	.297	- .290
160	308	.081	.059	.117	- .284	160	409	.071	.255	.669	- .751	160	459	- .003	.083	.319	- .294
160	309	.174	.093	.524	- .095	160	410	.220	.096	.519	- .184	160	460	.056	.108	.405	- .458
160	310	.415	.127	.815	- .035	160	411	.143	.084	.423	- .110	160	461	.047	.087	.422	- .214
160	311	.498	.149	.959	.072	160	412	.049	.071	.315	- .195	160	462	.006	.084	.282	- .374
160	312	.578	.154	1.041	.079	160	413	.085	.049	.140	- .250	160	463	- .107	.061	.119	- .393
160	313	.582	.164	1.087	.098	160	414	- .182	.040	-.023	-.315	160	464	- .198	.058	-.014	- .495
160	314	.517	.165	1.039	.040	160	415	.060	.224	.717	- .673	160	465	.112	.084	.552	- .202
160	315	.095	.058	.163	- .272	160	416	.064	.234	.724	- .703	160	466	.091	.087	.484	- .246
160	316	.141	.092	.478	- .123	160	417	.223	.125	.646	- .471	160	467	.071	.075	.390	- .126
160	317	.398	.128	.864	.024	160	418	.159	.088	.494	- .115	160	468	.036	.069	.360	- .226
160	318	.533	.145	.936	.128	160	419	.053	.065	.303	- .179	160	469	.138	.090	.537	- .121
160	319	.609	.161	1.073	.173	160	420	- .103	.042	.060	- .230	160	470	.133	.090	.504	- .158
160	320	.588	.154	1.050	.156	160	421	- .188	.038	-.018	-.331	160	471	.189	.097	.658	- .063
160	321	.508	.152	1.201	.042	160	422	- .001	.219	.795	- .753	160	472	.170	.095	.681	- .046
160	322	.126	.053	.100	- .335	160	423	.107	.224	.701	- .641	160	473	.155	.092	.602	- .085
160	323	.095	.082	.412	- .146	160	424	.211	.127	.552	- .742	160	474	.158	.093	.556	- .041
160	324	.356	.111	.733	.049	160	425	.140	.082	.430	- .128	160	475	.161	.098	.641	- .089
160	325	.461	.132	.908	.070	160	426	.036	.064	.313	- .158	160	476	.145	.097	.561	- .094
160	326	.535	.154	.973	.108	160	427	- .115	.044	.085	- .246	160	477	.116	.087	.529	- .122
160	327	.495	.154	1.045	.080	160	428	- .205	.032	.077	- .345	160	478	.116	.092	.653	- .096
160	328	.439	.143	.877	.049	160	429	- .023	.208	.623	- .791	160	479	.083	.080	.440	- .128
160	329	.153	.056	.108	- .387	160	430	.031	.229	.604	- .685	160	480	- .041	.053	.232	- .214
160	330	.019	.075	.399	- .214	160	431	.153	.122	.574	-.491	160	481	- .133	.053	.119	- .369
160	331	.253	.104	.679	-.051	160	432	.101	.074	.387	-.096	160	901	- .426	.092	-.198	- .810
160	332	.384	.137	.842	.017	160	433	.013	.058	.264	- .158	160	902	- .238	.110	.234	- .667

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
160	903	- .370	.083	- .013	- .634	170	134	- .388	.054	- .215	- .550	170	213	- .331	.056	- .116	- .584
160	904	- .466	.102	- .082	- .877	170	135	- .401	.057	- .223	- .708	170	214	- .326	.055	- .135	- .582
160	905	- .399	.091	- .041	- .773	170	136	- .357	.082	- .168	- 1.350	170	215	- .390	.073	- .195	- .918
160	906	- .496	.111	- .110	- 1.022	170	137	- .353	.073	- .177	- .858	170	216	- .389	.070	- .199	- .854
160	907	- .482	.115	- .121	- 1.066	170	138	- .362	.058	- .194	- .706	170	217	- .376	.058	- .205	- .615
160	908	- .486	.109	- .149	- 1.184	170	139	- .388	.056	- .206	- .673	170	218	- .352	.056	- .143	- .573
160	909	- .468	.097	- .201	- .980	170	140	- .406	.059	- .175	- .740	170	219	- .339	.054	- .106	- .579
160	910	- .502	.103	- .173	- .934	170	141	- .399	.053	- .211	- .582	170	220	- .325	.052	- .164	- .567
160	911	- .533	.120	- .205	- 1.084	170	142	- .413	.055	- .251	- .628	170	221	- .321	.056	- .139	- .540
160	912	- .551	.113	- .198	- 1.076	170	143	- .299	.081	- .107	- .988	170	222	- .403	.072	- .226	- .754
160	913	- .549	.144	- .222	- 1.413	170	144	- .310	.064	- .130	- .659	170	223	- .404	.058	- .243	- .760
160	914	- .488	.105	- .131	- .908	170	145	- .347	.062	- .183	- .630	170	224	- .392	.061	- .189	- .623
160	915	- .527	.122	- .175	- 1.008	170	146	- .423	.077	- .107	- .758	170	225	- .371	.054	- .174	- .577
160	916	- .451	.085	- .101	- .947	170	147	- .458	.075	- .227	- .883	170	226	- .358	.055	- .199	- .575
160	917	- .351	.134	1.020	- .006	170	148	- .443	.073	- .248	- .935	170	227	- .337	.053	- .151	- .577
160	918	- .433	.161	1.064	- .077	170	149	- .440	.078	- .234	- .859	170	228	- .336	.049	- .172	- .507
160	919	- .153	.072	- .195	- .359	170	150	- .252	.065	- .017	- .545	170	229	- .429	.068	- .256	- .808
170	101	- .306	.055	- .114	- .518	170	151	- .258	.061	- .040	- .634	170	230	- .426	.063	- .245	- .961
170	102	- .302	.053	- .130	- .499	170	152	- .322	.073	- .033	- .744	170	231	- .414	.058	- .235	- .624
170	103	- .307	.056	- .095	- .554	170	153	- .399	.110	- .025	- .828	170	232	- .389	.055	- .250	- .603
170	104	- .311	.052	- .122	- .543	170	154	- .524	.118	- .082	- 1.062	170	233	- .388	.054	- .222	- .578
170	105	- .324	.060	- .082	- .569	170	155	- .474	.089	- .196	- .798	170	234	- .377	.054	- .195	- .551
170	106	- .342	.071	- .099	- .668	170	156	- .469	.080	- .278	- .807	170	235	- .369	.051	- .229	- .549
170	107	- .351	.068	- .128	- .651	170	157	- .307	.071	- .105	- .716	170	236	- .444	.069	- .250	- .902
170	108	- .301	.050	- .147	- .590	170	158	- .323	.068	- .050	- .729	170	237	- .429	.063	- .225	- .724
170	109	- .308	.048	- .166	- .556	170	159	- .366	.106	- .021	- .815	170	238	- .448	.077	- .237	- .902
170	110	- .301	.050	- .111	- .535	170	160	- .468	.120	- .095	- .876	170	239	- .440	.067	- .291	- .747
170	111	- .305	.050	- .133	- .501	170	161	- .266	.059	- .086	- .510	170	240	- .435	.063	- .287	- .773
170	112	- .314	.054	- .145	- .689	170	162	- .294	.067	- .073	- .547	170	241	- .424	.060	- .239	- .693
170	113	- .338	.061	- .114	- .560	170	163	- .312	.066	- .046	- .634	170	242	- .425	.062	- .233	- .670
170	114	- .342	.063	- .084	- .954	170	164	- .301	.068	- .036	- .653	170	243	- .417	.073	- .221	- .719
170	115	- .318	.046	- .183	- .478	170	165	- .293	.075	- .050	- .647	170	244	- .417	.071	- .234	- .848
170	116	- .316	.045	- .175	- .560	170	166	- .315	.100	- .008	- .683	170	245	- .422	.065	- .238	- .692
170	117	- .318	.049	- .181	- .478	170	167	- .311	.103	- .003	- .812	170	246	- .432	.067	- .219	- .740
170	118	- .311	.044	- .194	- .501	170	168	- .420	.132	- .043	- .865	170	247	- .442	.075	- .221	- .751
170	119	- .312	.044	- .158	- .459	170	169	- .506	.141	- .125	- 1.033	170	248	- .444	.086	- .198	- .839
170	120	- .333	.049	- .175	- .495	170	170	- .499	.092	- .227	- .968	170	249	- .433	.086	- .223	- .791
170	121	- .344	.048	- .192	- .569	170	171	- .493	.089	- .249	- .968	170	250	- .424	.084	- .232	- .755
170	122	- .329	.043	- .177	- .489	170	201	- .404	.095	- .124	- .919	170	251	- .415	.089	- .223	- 1.135
170	123	- .322	.042	- .187	- .465	170	202	- .397	.083	- .126	- .873	170	252	- .442	.082	- .223	- .871
170	124	- .325	.044	- .183	- .470	170	203	- .392	.079	- .088	- .943	170	253	- .440	.086	- .198	- .831
170	125	- .322	.043	- .168	- .479	170	204	- .375	.071	- .149	- .894	170	254	- .444	.094	- .175	- 1.006
170	126	- .336	.050	- .162	- .491	170	205	- .366	.072	- .124	- .719	170	255	- .455	.104	- .211	- 1.029
170	127	- .350	.051	- .192	- .533	170	206	- .353	.057	- .170	- .613	170	256	- .463	.106	- .147	- .888
170	128	- .351	.051	- .187	- .546	170	207	- .354	.065	- .110	- .785	170	257	- .460	.099	- .135	- .848
170	129	- .330	.046	- .156	- .603	170	208	- .389	.087	- .153	- .981	170	258	- .415	.065	- .208	- .656
170	130	- .333	.047	- .185	- .495	170	209	- .377	.083	- .164	- .933	170	259	- .396	.064	- .217	- .675
170	131	- .332	.044	- .196	- .464	170	210	- .369	.066	- .181	- .698	170	260	- .374	.077	- .187	- .731
170	132	- .355	.047	- .181	- .533	170	211	- .348	.061	- .151	- .638	170	261	- .343	.077	- .102	- .727
170	133	- .359	.046	- .149	- .525	170	212	- .333	.057	- .168	- .546	170	262	- .296	.078	- .045	- .671

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
170	263	- .329	.097	-.023	-.694	170	332	.433	.145	.928	.048	170	433	-.079	.045	-.099	-.279
170	264	- .380	.097	-.039	-.750	170	333	.473	.150	.921	.090	170	434	-.181	.035	-.057	-.321
170	265	- .345	.066	-.158	-.673	170	334	.356	.137	.874	-.016	170	435	-.237	.033	-.109	-.366
170	266	- .321	.069	-.104	-.631	170	335	.221	.129	.669	-.188	170	436	-.324	.176	.310	-1.076
170	267	- .271	.065	-.037	-.579	170	336	-.257	.066	-.009	-.509	170	437	-.254	.188	.335	-.992
170	268	- .184	.070	.067	-.440	170	337	-.035	.092	.435	-.299	170	438	-.069	.136	.307	-.714
170	269	- .383	.149	.131	-.931	170	338	.200	.119	.638	-.108	170	439	-.030	.057	.134	-.499
170	270	- .463	.096	-.187	-.974	170	339	.361	.135	.857	-.002	170	440	-.091	.042	.069	-.331
170	271	- .394	.065	-.212	-.673	170	340	.374	.126	.789	-.052	170	441	-.185	.036	-.020	-.298
170	272	- .344	.066	-.035	-.577	170	341	.289	.134	.794	-.061	170	442	-.236	.039	-.071	-.429
170	273	- .296	.060	-.062	-.501	170	342	.175	.111	.626	-.132	170	443	-.333	.157	.121	-1.034
170	274	- .260	.058	-.039	-.498	170	343	-.114	.064	.171	-.328	170	444	-.327	.167	.273	-1.026
170	275	- .269	.057	-.056	-.507	170	344	.057	.078	.372	-.153	170	445	-.356	.224	.257	-1.823
170	276	- .222	.048	-.058	-.386	170	345	.342	.120	.882	-.013	170	446	-.151	.123	.349	-.741
170	277	- .155	.062	.058	-.428	170	346	.442	.144	.949	.097	170	447	-.176	.123	.114	-.793
170	278	- .142	.111	.185	-.557	170	347	.419	.131	1.003	.081	170	448	-.136	.088	.110	-.505
170	279	- .213	.133	.179	-.640	170	348	.167	.102	.733	-.185	170	449	-.135	.063	.060	-.438
170	280	- .316	.139	.098	-.785	170	349	-.023	.120	.434	-.513	170	450	-.148	.042	.015	-.368
170	281	- .389	.079	-.091	-.708	170	401	-.476	.135	.036	-1.081	170	451	-.222	.049	-.029	-.396
170	301	- .016	.091	.357	-.392	170	402	-.434	.166	.081	-.984	170	452	-.539	.225	.043	-1.452
170	302	- .197	.111	.576	-.156	170	403	-.166	.103	.071	-.764	170	453	-.403	.259	.052	-1.442
170	303	- .264	.125	.635	-.119	170	404	-.126	.052	.059	-.455	170	454	-.338	.175	.029	-1.103
170	304	- .332	.128	.743	-.147	170	405	-.149	.051	.012	-.350	170	455	-.300	.149	.081	-.808
170	305	- .386	.125	.764	-.010	170	406	-.175	.045	-.032	-.404	170	456	-.104	.092	.194	-.630
170	306	- .386	.131	.827	-.090	170	407	-.223	.048	-.060	-.413	170	457	-.102	.084	.206	-.490
170	307	- .312	.131	.747	-.119	170	408	-.391	.168	.405	-1.273	170	458	-.029	.082	.286	-.375
170	308	- .006	.073	.256	-.220	170	409	-.405	.185	.333	-1.338	170	459	.004	.083	.282	-.310
170	309	- .292	.113	.663	-.111	170	410	-.050	.187	.356	-.797	170	460	.028	.099	.345	-.304
170	310	- .504	.148	.957	.053	170	411	-.011	.077	.256	-.522	170	461	-.001	.077	.260	-.300
170	311	- .562	.156	1.056	.074	170	412	-.050	.051	.135	-.292	170	462	-.037	.071	.183	-.344
170	312	- .571	.154	1.091	.091	170	413	-.150	.039	-.002	-.304	170	463	-.116	.057	.084	-.401
170	313	- .520	.145	.997	.086	170	414	-.218	.040	-.027	-.369	170	464	-.173	.055	.027	-.375
170	314	- .365	.146	.891	-.029	170	415	-.365	.170	.254	-1.120	170	465	.090	.084	.425	-.121
170	315	- .017	.078	.279	-.333	170	416	-.348	.188	.384	-1.141	170	466	.064	.078	.362	-.159
170	316	- .249	.111	.736	-.114	170	417	-.145	.261	.351	-1.031	170	467	.028	.063	.272	-.162
170	317	- .505	.143	1.011	.023	170	418	-.015	.097	.277	-.522	170	468	-.003	.056	.225	-.179
170	318	- .593	.156	1.065	.169	170	419	-.055	.053	.138	-.320	170	469	.126	.083	.491	-.155
170	319	- .610	.148	1.105	.202	170	420	-.165	.035	-.025	-.450	170	470	.111	.085	.480	-.125
170	320	- .498	.135	.926	.060	170	421	-.228	.036	-.086	-.369	170	471	.153	.094	.515	-.092
170	321	- .329	.133	.846	-.064	170	422	-.342	.175	.351	-1.141	170	472	.146	.083	.454	-.059
170	322	- .069	.070	.234	-.377	170	423	-.348	.174	.333	-.883	170	473	.125	.088	.519	-.102
170	323	- .183	.100	.507	-.135	170	424	-.108	.250	.416	-1.011	170	474	.132	.086	.477	-.113
170	324	- .432	.129	.831	.045	170	425	-.004	.104	.249	-.729	170	475	.131	.089	.484	-.111
170	325	- .530	.155	1.058	.128	170	426	-.067	.051	.112	-.402	170	476	.100	.080	.540	-.104
170	326	- .526	.164	1.018	.102	170	427	-.177	.036	-.018	-.406	170	477	.063	.071	.454	-.167
170	327	- .437	.153	.938	.008	170	428	-.236	.031	-.118	-.398	170	478	.069	.074	.660	-.125
170	328	- .293	.128	.782	-.127	170	429	-.332	.182	.384	-1.480	170	479	.035	.062	.347	-.130
170	329	- .110	.070	.152	-.332	170	430	-.284	.218	.438	-.992	170	480	-.065	.045	.244	-.218
170	330	- .074	.097	.473	-.184	170	431	-.052	.194	.319	-.896	170	481	-.129	.046	.064	-.286
170	331	- .327	.122	.754	.005	170	432	-.010	.073	.179	-.838	170	901	-.358	.115	.132	-.931

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
170	902	- .349	.102	.097	- .751	180	133	- .346	.059	- .155	- .651	180	212	- .348	.076	- .127	- .822
170	903	- .412	.095	- .039	- .856	180	134	- .354	.062	- .170	- .615	180	213	- .338	.067	- .138	- .637
170	904	- .518	.107	- .104	- .908	180	135	- .369	.074	- .138	- .734	180	214	- .345	.067	- .104	- .593
170	905	- .418	.098	- .090	- .898	180	136	- .342	.118	- .116	- 1.482	180	215	- .396	.120	- .125	- 1.434
170	906	- .485	.111	- .118	- 1.039	180	137	- .328	.116	- .087	- 1.195	180	216	- .398	.111	- .081	- 1.239
170	907	- .493	.126	- .046	- 1.207	180	138	- .337	.074	- .127	- .764	180	217	- .381	.083	- .130	- .996
170	908	- .481	.118	- .209	- 1.160	180	139	- .351	.064	- .191	- .660	180	218	- .349	.077	- .113	- 1.057
170	909	- .445	.099	- .208	- 1.293	180	140	- .388	.077	- .189	- .773	180	219	- .344	.068	- .125	- .690
170	910	- .457	.099	- .206	- 1.823	180	141	- .377	.070	- .180	- .675	180	220	- .330	.063	- .123	- .614
170	911	- .477	.106	- .199	- 1.003	180	142	- .380	.076	- .185	- .666	180	221	- .336	.064	- .130	- .612
170	912	- .506	.107	- .197	- 1.017	180	143	- .274	.129	- .068	- 1.320	180	222	- .403	.118	- .062	- 1.526
170	913	- .495	.134	- .086	- 1.304	180	144	- .277	.107	- .059	- 1.088	180	223	- .392	.085	- .157	- .868
170	914	- .509	.114	- .162	- 1.053	180	145	- .283	.066	- .046	- .592	180	224	- .380	.086	- .004	- 1.256
170	915	- .527	.141	- .107	- 1.180	180	146	- .385	.090	- .116	- .856	180	225	- .369	.085	- .102	- .935
170	916	- .419	.086	- .072	- .852	180	147	- .424	.106	- .173	- .980	180	226	- .356	.077	- .077	- .780
170	917	- .287	.132	.910	- .076	180	148	- .389	.102	- .186	- .894	180	227	- .343	.065	- .140	- .671
170	918	- .470	.161	1.237	- .041	180	149	- .397	.102	- .105	- .884	180	228	- .339	.062	- .147	- .797
170	919	- .117	.081	.293	- .368	180	150	- .190	.095	- .052	- .765	180	229	- .413	.104	- .117	- 1.040
180	101	- .284	.068	- .042	- .544	180	151	- .197	.086	- .114	- .684	180	230	- .405	.093	- .174	- 1.006
180	102	- .286	.065	- .040	- .552	180	152	- .247	.081	- .084	- .699	180	231	- .400	.079	- .176	- .784
180	103	- .298	.066	- .095	- .648	180	153	- .371	.130	- .007	- .954	180	232	- .394	.083	- .140	- 1.050
180	104	- .314	.068	- .114	- .601	180	154	- .473	.151	- .144	- 1.545	180	233	- .379	.076	- .119	- .907
180	105	- .324	.076	- .057	- .763	180	155	- .428	.117	- .171	- .982	180	234	- .376	.073	- .153	- .818
180	106	- .326	.081	- .076	- .754	180	156	- .429	.117	- .163	- 1.028	180	235	- .373	.068	- .159	- .729
180	107	- .346	.091	- .001	- .748	180	157	- .224	.071	- .035	- .682	180	236	- .416	.093	- .170	- .930
180	108	- .287	.062	- .046	- .554	180	158	- .281	.099	- .014	- .852	180	237	- .425	.082	- .174	- .784
180	109	- .287	.060	- .076	- .556	180	159	- .384	.132	- .029	- .975	180	238	- .440	.093	- .172	- .922
180	110	- .298	.067	- .084	- .646	180	160	- .447	.132	- .086	- 1.107	180	239	- .475	.106	- .191	- 1.074
180	111	- .294	.062	- .080	- .582	180	161	- .199	.085	- .116	- .705	180	240	- .474	.103	- .233	- 1.270
180	112	- .305	.063	- .080	- .569	180	162	- .214	.084	- .057	- .766	180	241	- .443	.095	- .227	- 1.069
180	113	- .328	.078	- .099	- .846	180	163	- .226	.076	- .033	- .663	180	242	- .459	.098	- .144	- 1.076
180	114	- .333	.085	- .018	- .839	180	164	- .218	.074	- .077	- .646	180	243	- .534	.183	- .204	- 1.555
180	115	- .307	.059	- .076	- .554	180	165	- .260	.098	- .094	- .763	180	244	- .525	.181	- .155	- 1.599
180	116	- .302	.056	- .105	- .533	180	166	- .342	.127	- .022	- .990	180	245	- .393	.086	- .157	- .739
180	117	- .311	.059	- .116	- .569	180	167	- .357	.118	- .001	- .839	180	246	- .403	.087	- .157	- .756
180	118	- .299	.049	- .120	- .544	180	168	- .410	.140	- .026	- 1.180	180	247	- .442	.102	- .161	- .924
180	119	- .300	.052	- .148	- .484	180	169	- .459	.144	- .044	- 1.222	180	248	- .492	.113	- .176	- 1.024
180	120	- .326	.057	- .154	- .590	180	170	- .445	.133	- .142	- 1.273	180	249	- .519	.124	- .208	- 1.016
180	121	- .343	.064	- .131	- .629	180	171	- .429	.130	- .165	- 1.158	180	250	- .560	.188	- .168	- 1.727
180	122	- .312	.059	- .169	- .690	180	201	- .414	.135	- .033	- 1.111	180	251	- .634	.267	- .180	- 1.902
180	123	- .305	.051	- .144	- .541	180	202	- .414	.120	- .010	- 1.263	180	252	- .490	.120	- .206	- 1.088
180	124	- .301	.050	- .093	- .472	180	203	- .403	.112	- .016	- 1.030	180	253	- .449	.101	- .116	- 1.073
180	125	- .307	.052	- .097	- .500	180	204	- .395	.097	- .058	- .999	180	254	- .581	.146	- .214	- 1.156
180	126	- .314	.054	- .104	- .502	180	205	- .379	.093	- .151	- .652	180	255	- .570	.158	- .240	- 1.337
180	127	- .342	.061	- .157	- .577	180	206	- .362	.062	- .151	- .652	180	256	- .438	.120	- .133	- 1.054
180	128	- .350	.064	- .161	- .606	180	207	- .360	.069	- .169	- .688	180	257	- .528	.120	- .191	- .988
180	129	- .307	.056	- .136	- .901	180	208	- .411	.141	- .046	- 1.334	180	258	- .361	.088	- .144	- .732
180	130	- .310	.056	- .131	- .600	180	209	- .401	.120	- .033	- 1.229	180	259	- .343	.080	- .116	- .692
180	131	- .315	.055	- .155	- .587	180	210	- .368	.085	- .021	- .914	180	260	- .329	.092	- .062	- .857
180	132	- .320	.050	- .187	- .517	180	211	- .360	.089	- .142	- 1.048	180	261	- .313	.087	- .029	- .694

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
180	262	271	.087	.056	-.788	180	331	.379	.141	.814	-.015	180	432	265	.193	.068	-1.078
180	263	235	.089	.053	-.637	180	332	.409	.157	.823	-.036	180	433	197	.161	.013	-.873
180	264	278	.105	.059	-.671	180	333	.414	.142	.879	-.018	180	434	235	.059	-.077	-.643
180	265	262	.072	.063	-.513	180	334	.211	.126	.668	-.159	180	435	262	.052	-.123	-.588
180	266	251	.074	.053	-.511	180	335	.023	.112	.436	-.368	180	436	541	.191	-.049	-1.437
180	267	221	.064	.080	-.490	180	336	.199	.079	.143	-.505	180	437	548	.193	.047	-1.402
180	268	157	.062	.091	-.409	180	337	.017	.107	.477	-.280	180	438	299	.196	.130	-1.179
180	269	155	.122	.208	-.727	180	338	.245	.134	.844	-.073	180	439	187	.118	.082	-.822
180	270	393	.117	.021	-.893	180	339	.314	.138	.826	-.029	180	440	173	.070	-.015	-.631
180	271	314	.089	.116	-.771	180	340	.288	.120	.698	-.061	180	441	233	.052	-.095	-.503
180	272	265	.078	.181	-.652	180	341	.139	.114	.626	-.234	180	442	278	.068	-.088	-.721
180	273	224	.074	.477	-.486	180	342	.006	.106	.398	-.327	180	443	358	.173	.060	-1.295
180	274	200	.068	.462	-.446	180	343	.155	.094	.235	-.570	180	444	339	.189	.081	-1.534
180	275	206	.064	.240	-.499	180	344	.029	.090	.379	-.309	180	445	399	.230	.027	-1.390
180	276	176	.056	.097	-.413	180	345	.326	.135	.905	-.005	180	446	346	.197	.188	-1.514
180	277	125	.055	.204	-.344	180	346	.429	.148	.1023	.052	180	447	152	.086	.138	-.533
180	278	082	.072	.265	-.339	180	347	.367	.142	.1049	.033	180	448	123	.067	.086	-.408
180	279	088	.083	.330	-.434	180	348	.152	.115	.745	-.155	180	449	135	.054	.048	-.442
180	280	130	.102	.294	-.667	180	349	.037	.113	.459	-.491	180	450	187	.062	-.008	-.514
180	281	273	.098	.034	-.690	180	401	.839	.228	-.271	-1.769	180	451	227	.072	-.009	-.565
180	301	117	.109	.520	-.268	180	402	.754	.173	-.224	-1.386	180	452	481	.225	.014	-1.671
180	302	286	.120	.659	-.078	180	403	.457	.169	-.052	-1.147	180	453	317	.181	.035	-1.171
180	303	340	.122	.754	-.073	180	404	.253	.098	-.018	-.773	180	454	280	.135	.075	-.934
180	304	374	.127	.770	-.111	180	405	.212	.070	-.009	-.942	180	455	247	.130	.043	-.900
180	305	360	.128	.738	-.080	180	406	.206	.048	-.052	-.478	180	456	139	.101	.124	-.613
180	306	276	.120	.671	-.101	180	407	.240	.056	-.023	-.494	180	457	121	.097	.187	-.468
180	307	139	.103	.613	-.301	180	408	.817	.237	-.235	-1.690	180	458	163	.097	.274	-.423
180	308	111	.092	.423	-.192	180	409	.803	.241	-.210	-1.658	180	459	058	.090	.214	-.442
180	309	390	.128	.819	-.034	180	410	.546	.206	.087	-1.146	180	460	083	.107	.251	-.609
180	310	581	.151	.032	.119	180	411	.202	.149	.142	-.992	180	461	081	.079	.193	-.423
180	311	572	.171	.116	.082	180	412	.152	.065	.049	-.697	180	462	097	.086	.216	-.505
180	312	550	.149	.974	.086	180	413	.199	.051	.010	-.558	180	463	126	.069	.124	-.426
180	313	342	.137	.872	-.115	180	414	.245	.052	-.043	-.786	180	464	161	.080	.131	-.533
180	314	144	.111	.527	-.291	180	415	.616	.137	-.073	-1.109	180	465	011	.079	.395	-.233
180	315	086	.091	.460	-.187	180	416	.641	.134	-.180	-1.294	180	466	019	.070	.267	-.226
180	316	343	.127	.775	.008	180	417	.574	.216	.156	-1.443	180	467	032	.058	.219	-.210
180	317	553	.150	.002	.093	180	418	.382	.235	.147	-1.260	180	468	043	.052	.250	-.187
180	318	592	.151	.072	.214	180	419	.211	.143	.087	-1.029	180	469	021	.069	.340	-.185
180	319	557	.146	.051	.128	180	420	.222	.074	.012	-.633	180	470	006	.070	.285	-.215
180	320	324	.115	.731	-.034	180	421	.254	.061	-.018	-.844	180	471	053	.068	.417	-.127
180	321	118	.104	.492	-.264	180	422	.620	.155	-.093	-1.425	180	472	051	.072	.459	-.162
180	322	032	.084	.328	-.240	180	423	.655	.132	.097	-1.155	180	473	024	.068	.287	-.217
180	323	270	.119	.640	-.122	180	424	.605	.229	.140	-1.475	180	474	033	.069	.337	-.162
180	324	494	.149	.889	-.053	180	425	.356	.241	.142	-1.171	180	475	044	.079	.454	-.160
180	325	514	.145	.014	.087	180	426	.242	.163	.085	-1.033	180	476	029	.072	.367	-.189
180	326	498	.139	.995	.073	180	427	.239	.084	.030	-.937	180	477	008	.064	.360	-.178
180	327	277	.122	.707	-.083	180	428	.268	.059	-.072	-.664	180	478	017	.070	.348	-.164
180	328	076	.110	.556	-.282	180	429	.609	.162	-.151	-1.250	180	479	006	.060	.277	-.222
180	329	023	.090	.352	-.303	180	430	.639	.166	-.088	-1.244	180	480	069	.047	.144	-.217
180	330	168	.112	.645	-.187	180	431	.513	.249	.153	-1.232	180	481	112	.058	.121	-.372

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
180	901	-.251	.121	.229	-.809	190	132	-.303	.062	-.151	-.572	190	211	-.422	.148	.001	-1.279
180	902	-.400	.110	.052	-.940	190	133	-.318	.067	-.087	-.629	190	212	-.408	.117	-.128	-1.098
180	903	-.411	.111	.033	-.885	190	134	-.336	.092	-.085	-.861	190	213	-.379	.101	-.097	-1.067
180	904	-.512	.133	-.121	-1.055	190	135	-.338	.103	-.049	-.876	190	214	-.380	.094	-.120	-.811
180	905	-.427	.113	-.024	-.979	190	136	-.462	.225	-.079	-2.081	190	215	-.441	.194	.049	-1.487
180	906	-.469	.116	-.155	-.993	190	137	-.424	.199	-.064	-1.639	190	216	-.413	.160	-.003	-1.333
180	907	-.467	.124	-.084	-1.181	190	138	-.311	.087	-.077	-.713	190	217	-.413	.124	.019	-.998
180	908	-.465	.117	-.144	-1.296	190	139	-.330	.080	-.149	-.813	190	218	-.385	.118	-.058	-1.200
180	909	-.445	.102	-.155	-1.428	190	140	-.344	.083	-.130	-.927	190	219	-.376	.113	-.047	-.896
180	910	-.452	.100	-.185	-.943	190	141	-.340	.089	-.094	-.730	190	220	-.360	.095	-.114	-.906
180	911	-.484	.114	-.130	-1.012	190	142	-.349	.093	-.104	-.834	190	221	-.361	.100	-.083	-.909
180	912	-.494	.115	-.174	-1.122	190	143	-.245	.129	.064	-1.088	190	222	-.421	.192	.057	-1.489
180	913	-.497	.138	-.102	-1.532	190	144	-.232	.101	.009	-.835	190	223	-.414	.134	.022	-1.067
180	914	-.517	.145	-.060	-1.316	190	145	-.254	.078	.026	-.624	190	224	-.403	.149	.144	-1.439
180	915	-.506	.155	-.037	-1.276	190	146	-.364	.124	-.097	-1.075	190	225	-.398	.143	-.041	-1.321
180	916	-.391	.113	-.039	-.803	190	147	-.390	.128	-.135	-1.206	190	226	-.384	.127	-.049	-1.310
180	917	-.184	.130	.839	-.215	190	148	-.367	.118	-.111	-.966	190	227	-.371	.117	-.018	-1.123
180	918	-.505	.173	1.241	-.109	190	149	-.378	.133	-.118	-1.103	190	228	-.364	.094	-.141	-.858
180	919	-.058	.098	.323	-.441	190	150	-.153	.110	.152	-1.177	190	229	-.412	.150	-.072	-1.235
190	101	-.297	.106	.066	-.803	190	151	-.161	.112	.201	-.913	190	230	-.386	.132	-.022	-1.036
190	102	-.297	.091	.009	-.702	190	152	-.193	.084	.127	-.683	190	231	-.388	.118	-.011	-1.111
190	103	-.289	.086	-.019	-.730	190	153	-.360	.156	.167	-1.191	190	232	-.413	.131	-.053	-1.210
190	104	-.320	.084	-.061	-.675	190	154	-.449	.173	-.124	-1.504	190	233	-.412	.134	-.087	-1.321
190	105	-.318	.091	-.003	-.662	190	155	-.426	.158	-.124	-1.322	190	234	-.401	.118	-.110	-1.243
190	106	-.329	.104	-.021	-.841	190	156	-.412	.155	-.120	-1.172	190	235	-.405	.128	-.112	-1.631
190	107	-.340	.109	.015	-.780	190	157	-.163	.076	.140	-.660	190	236	-.381	.114	-.087	-1.086
190	108	-.300	.097	-.055	-.753	190	158	-.253	.116	.097	-.755	190	237	-.376	.096	-.112	-.931
190	109	-.291	.087	-.044	-.789	190	159	-.350	.156	.116	-1.421	190	238	-.408	.123	-.057	-.883
190	110	-.297	.089	-.063	-.803	190	160	-.402	.158	.011	-1.362	190	239	-.439	.129	-.074	-1.105
190	111	-.299	.085	-.031	-.738	190	161	-.149	.109	.144	-.879	190	240	-.529	.165	-.131	-1.595
190	112	-.292	.084	-.055	-.795	190	162	-.159	.112	.106	-.824	190	241	-.496	.139	-.166	-1.197
190	113	-.338	.109	.015	-.919	190	163	-.147	.074	.110	-.635	190	242	-.485	.145	-.126	-1.738
190	114	-.340	.118	.000	-1.040	190	164	-.151	.078	.184	-.535	190	243	-.704	.228	-.147	-1.771
190	115	-.313	.106	-.027	-.805	190	165	-.221	.110	.114	-.759	190	244	-.701	.230	-.174	-1.724
190	116	-.310	.094	-.059	-.780	190	166	-.327	.148	.113	-1.011	190	245	-.375	.105	-.142	-.813
190	117	-.287	.067	-.107	-.571	190	167	-.338	.137	.025	-1.081	190	246	-.364	.101	-.079	-.787
190	118	-.288	.059	-.097	-.565	190	168	-.380	.142	-.054	-1.212	190	247	-.393	.107	-.123	-.878
190	119	-.293	.068	-.092	-.595	190	169	-.421	.178	-.085	-1.386	190	248	-.453	.115	-.132	-.927
190	120	-.330	.083	-.073	-.715	190	170	-.415	.174	-.111	-2.016	190	249	-.548	.139	-.100	-1.200
190	121	-.354	.097	-.120	-.883	190	171	-.422	.171	-.106	-1.426	190	250	-.687	.184	-.176	-1.407
190	122	-.328	.102	-.048	-.706	190	201	-.409	.150	.128	-1.189	190	251	-.875	.306	-.193	-2.134
190	123	-.308	.084	-.048	-.730	190	202	-.420	.147	.073	-1.030	190	252	-.450	.116	-.142	-.899
190	124	-.297	.066	-.075	-.578	190	203	-.440	.153	.037	-1.352	190	253	-.359	.095	-.070	-.933
190	125	-.299	.057	-.128	-.523	190	204	-.469	.143	-.037	-1.174	190	254	-.560	.155	-.176	-1.426
190	126	-.291	.067	-.032	-.612	190	205	-.449	.125	-.019	-1.244	190	255	-.572	.139	-.208	-1.083
190	127	-.329	.084	-.049	-.758	190	206	-.422	.090	-.135	-.846	190	256	-.320	.103	-.050	-.846
190	128	-.350	.100	-.077	-.821	190	207	-.410	.101	-.124	-1.196	190	257	-.411	.107	-.011	-1.018
190	129	-.344	.109	-.058	-.889	190	208	-.425	.187	-.117	-1.246	190	258	-.316	.100	-.094	-.775
190	130	-.343	.111	-.085	-.992	190	209	-.413	.168	-.132	-1.264	190	259	-.276	.088	.010	-.618
190	131	-.321	.075	-.128	-.650	190	210	-.409	.130	-.041	-1.027	190	260	-.251	.095	.090	-.673

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
190	261	- .230	.085	.101	- .709	190	330	.225	.137	.704	- .129	190	431	- .630	.196	- .047	- 1.761
190	262	- .202	.079	.061	- .665	190	331	.391	.146	.849	- .016	190	432	- .476	.198	- .059	- 1.260
190	263	- .159	.080	.115	- .463	190	332	.375	.132	.842	- .018	190	433	- .355	.178	- .020	- 1.066
190	264	- .171	.085	.107	- .540	190	333	.318	.135	.822	- .058	190	434	- .312	.133	- .051	- .897
190	265	- .167	.056	.352	- .397	190	334	.076	.103	.591	- .215	190	435	- .341	.135	- .008	- .908
190	266	- .149	.058	.146	- .365	190	335	- .117	.095	.233	- .448	190	436	- .629	.209	- .161	- 1.631
190	267	- .134	.057	.234	- .405	190	336	- .141	.111	.277	- .741	190	437	- .648	.216	- .140	- 1.567
190	268	- .100	.058	.159	- .334	190	337	.078	.128	.591	- .312	190	438	- .474	.218	- .008	- 1.281
190	269	- .081	.076	.307	- .378	190	338	.244	.128	.709	- .063	190	439	- .320	.181	- .043	- .977
190	270	- .246	.090	.017	- .663	190	339	.249	.124	.660	- .026	190	440	- .261	.141	- .001	- .867
190	271	- .238	.091	.157	- .644	190	340	.183	.101	.612	- .086	190	441	- .282	.112	- .021	- .812
190	272	- .178	.080	.325	- .494	190	341	- .003	.087	.431	- .245	190	442	- .337	.126	- .058	- .869
190	273	- .129	.063	.381	- .363	190	342	- .137	.091	.355	- .448	190	443	- .609	.295	- .041	- 1.819
190	274	- .112	.061	.398	- .324	190	343	- .127	.091	.319	- .407	190	444	- .696	.340	- .016	- 2.377
190	275	- .116	.055	.282	- .289	190	344	.090	.093	.504	- .145	190	445	- .770	.315	- .085	- 1.918
190	276	- .098	.052	.221	- .270	190	345	.372	.130	.892	- .050	190	446	- .454	.186	- .040	- 1.611
190	277	- .074	.050	.244	- .276	190	346	.427	.147	1.149	- .048	190	447	- .226	.094	- .094	- .768
190	278	- .065	.062	.267	- .257	190	347	.302	.127	.886	- .032	190	448	- .163	.072	- .073	- .514
190	279	- .072	.063	.248	- .326	190	348	.019	.106	.462	- .302	190	449	- .145	.063	- .052	- .589
190	280	- .088	.065	.186	- .390	190	349	- .203	.129	.213	- .690	190	450	- .163	.071	- .088	- .515
190	281	- .158	.061	.046	- .461	190	401	- .792	.204	- .254	- 1.812	190	451	- .183	.088	- .091	- .622
190	301	.215	.116	.644	- .206	190	402	- .801	.182	- .312	- 1.501	190	452	- .546	.200	- .089	- 1.480
190	302	.363	.141	.784	- .031	190	403	- .723	.178	- .173	- 1.369	190	453	- .342	.152	- .068	- 1.553
190	303	.357	.127	.724	- .109	190	404	- .518	.174	- .035	- 1.138	190	454	- .304	.128	- .032	- .837
190	304	.328	.125	.715	- .075	190	405	- .350	.159	- .123	- 1.304	190	455	- .305	.116	- .010	- .986
190	305	.296	.115	.697	- .102	190	406	- .276	.104	- .033	- 1.024	190	456	- .245	.099	- .048	- .621
190	306	.175	.108	.565	- .203	190	407	- .276	.115	- .083	- 1.197	190	457	- .231	.089	- .045	- .749
190	307	.017	.094	.393	- .268	190	408	- .781	.219	- .277	- 1.799	190	458	- .173	.080	- .148	- .483
190	308	.200	.108	.552	- .187	190	409	- .785	.214	- .236	- 1.656	190	459	- .149	.074	- .146	- .520
190	309	.479	.145	.908	- .066	190	410	- .735	.173	- .195	- 1.379	190	460	- .158	.081	- .128	- .638
190	310	.599	.154	1.028	- .059	190	411	- .518	.189	- .021	- 1.272	190	461	- .142	.067	- .073	- .388
190	311	.545	.161	1.136	- .087	190	412	- .346	.161	- .092	- 1.049	190	462	- .140	.069	- .087	- .434
190	312	.476	.133	.894	- .064	190	413	- .269	.120	- .148	- .954	190	463	- .128	.070	- .096	- .482
190	313	.237	.118	.655	- .114	190	414	- .288	.115	- .089	- 1.097	190	464	- .133	.078	- .137	- .491
190	314	.013	.103	.374	- .440	190	415	- .617	.142	- .186	- 1.179	190	465	- .068	.055	- .174	- .247
190	315	.176	.111	.563	- .302	190	416	- .629	.138	- .233	- 1.111	190	466	- .076	.057	- .186	- .286
190	316	.418	.146	.915	- .054	190	417	- .674	.158	- .186	- 1.513	190	467	- .069	.048	- .159	- .254
190	317	.605	.158	1.134	- .094	190	418	- .615	.187	- .022	- 1.347	190	468	- .068	.051	- .138	- .263
190	318	.563	.156	1.039	- .151	190	419	- .481	.198	- .096	- 1.168	190	469	- .067	.048	- .136	- .335
190	319	.472	.139	.927	- .024	190	420	- .357	.165	- .158	- 1.320	190	470	- .080	.051	- .161	- .275
190	320	.191	.099	.618	- .104	190	421	- .379	.185	- .174	- 1.274	190	471	- .029	.051	- .261	- .185
190	321	- .005	.090	.377	- .365	190	422	- .621	.168	- .229	- 1.320	190	472	- .031	.047	- .198	- .180
190	322	- .102	.106	.446	- .261	190	423	- .630	.153	- .074	- 1.645	190	473	- .042	.055	- .267	- .204
190	323	.369	.142	.830	- .010	190	424	- .655	.196	- .087	- 1.486	190	474	- .035	.055	- .219	- .220
190	324	.522	.135	.912	- .030	190	425	- .608	.196	- .253	- 1.206	190	475	- .027	.061	- .355	- .195
190	325	.491	.150	1.020	- .046	190	426	- .456	.206	- .128	- 1.183	190	476	- .024	.064	- .373	- .249
190	326	.420	.137	.859	- .058	190	427	- .382	.187	- .040	- 1.292	190	477	- .030	.058	- .292	- .199
190	327	.144	.106	.515	- .259	190	428	- .381	.157	- .234	- 1.665	190	478	- .020	.060	- .312	- .206
190	328	- .059	.095	.358	- .557	190	429	- .659	.187	- .012	- 1.544	190	479	- .022	.058	- .305	- .179
190	329	.043	.120	.487	- .360	190	430	- .685	.196			190	480	- .056	.055	- .152	- .282

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
190	481	- .080	.066	.141	- .344	200	131	- .250	.066	- .052	- .560	200	210	- .352	.161	.061	- .931
190	901	- .299	.142	.193	- .769	200	132	- .246	.066	- .061	- .618	200	211	- .483	.208	.164	- 1.464
190	902	- .416	.141	.150	- 1.039	200	133	- .253	.082	- .024	- .553	200	212	- .572	.210	- .003	- 1.535
190	903	- .374	.133	.139	- .901	200	134	- .275	.104	- .001	- .726	200	213	- .555	.196	- .028	- 1.366
190	904	- .541	.151	- .088	- 1.192	200	135	- .278	.116	- .006	- .791	200	214	- .542	.202	- .057	- 1.505
190	905	- .424	.144	.036	- 1.212	200	136	- .333	.159	- .043	- 1.590	200	215	- .335	.210	.264	- 1.678
190	906	- .544	.140	- .127	- 1.317	200	137	- .314	.154	- .017	- 1.507	200	216	- .338	.173	.139	- 1.168
190	907	- .535	.150	- .005	- 1.155	200	138	- .239	.076	- .050	- .717	200	217	- .382	.181	.150	- 1.184
190	908	- .341	.140	- .129	- 1.292	200	139	- .265	.079	- .101	- .678	200	218	- .471	.208	.091	- 1.346
190	909	- .513	.129	- .160	- 1.304	200	140	- .278	.085	- .078	- .650	200	219	- .504	.214	.098	- 1.353
190	910	- .509	.115	- .196	- .923	200	141	- .260	.087	- .066	- .669	200	220	- .465	.168	.063	- 1.341
190	911	- .512	.118	- .164	- .977	200	142	- .271	.091	- .059	- .789	200	221	- .480	.177	- .028	- 1.346
190	912	- .538	.122	- .168	- 1.090	200	143	- .164	.089	- .065	- 1.224	200	222	- .337	.201	.088	- 1.496
190	913	- .534	.131	- .191	- 1.203	200	144	- .171	.081	- .046	- .641	200	223	- .336	.146	.025	- 1.070
190	914	- .554	.158	- .070	- 1.746	200	145	- .186	.066	- .037	- .521	200	224	- .386	.198	.111	- 1.150
190	915	- .523	.168	- .062	- 1.340	200	146	- .292	.109	- .081	- .816	200	225	- .436	.211	.255	- 1.521
190	916	- .361	.140	.073	- .931	200	147	- .322	.128	- .108	- 1.045	200	226	- .474	.212	.032	- 1.505
190	917	- .089	.132	.619	- .344	200	148	- .296	.120	- .083	- .856	200	227	- .480	.207	- .003	- 1.653
190	918	- .459	.164	1.094	- .043	200	149	- .297	.120	- .074	- .927	200	228	- .469	.187	- .056	- 1.295
190	919	- .013	.095	.436	- .296	200	150	- .106	.092	- .184	- .576	200	229	- .297	.145	- .003	- 1.317
200	101	- .277	.125	- .148	- .826	200	151	- .103	.082	- .154	- .692	200	230	- .360	.136	.027	- .928
200	102	- .256	.102	- .012	- .796	200	152	- .138	.068	- .120	- .535	200	231	- .318	.150	.102	- 1.077
200	103	- .243	.087	- .012	- .692	200	153	- .280	.128	- .095	- .929	200	232	- .396	.183	.038	- 1.258
200	104	- .234	.085	- .009	- .782	200	154	- .345	.168	- .046	- 1.614	200	233	- .478	.231	- .066	- 1.608
200	105	- .231	.084	.051	- .618	200	155	- .349	.162	- .081	- 1.414	200	234	- .441	.192	- .063	- 1.821
200	106	- .233	.088	.127	- .694	200	156	- .338	.161	- .078	- 1.204	200	235	- .454	.194	- .051	- 1.407
200	107	- .232	.084	.062	- .671	200	157	- .116	.063	- .115	- .523	200	236	- .282	.110	- .035	- .974
200	108	- .287	.109	.023	- .853	200	158	- .178	.091	- .074	- .876	200	237	- .277	.103	- .015	- .823
200	109	- .257	.091	- .012	- .789	200	159	- .262	.132	- .152	- 1.178	200	238	- .319	.134	.034	- .832
200	110	- .236	.085	.037	- .611	200	160	- .312	.128	- .002	- .996	200	239	- .367	.156	.034	- 1.159
200	111	- .238	.079	- .028	- .793	200	161	- .097	.080	- .171	- .890	200	240	- .425	.181	.004	- 1.347
200	112	- .233	.080	- .023	- .581	200	162	- .105	.078	- .118	- .591	200	241	- .464	.196	- .044	- 1.924
200	113	- .234	.094	.062	- .669	200	163	- .108	.059	- .129	- .468	200	242	- .448	.196	- .063	- 1.732
200	114	- .246	.103	.067	- .994	200	164	- .107	.060	- .115	- .436	200	243	- .566	.219	- .027	- 1.491
200	115	- .292	.109	.032	- .805	200	165	- .172	.090	- .085	- .579	200	244	- .579	.229	- .064	- 1.930
200	116	- .251	.083	- .014	- .719	200	166	- .242	.110	- .110	- .893	200	245	- .276	.098	- .059	- .715
200	117	- .233	.060	- .021	- .477	200	167	- .252	.113	- .063	- 1.101	200	246	- .273	.094	- .071	- .784
200	118	- .239	.070	- .069	- .595	200	168	- .282	.123	- .022	- 1.036	200	247	- .293	.095	- .050	- .713
200	119	- .247	.083	- .035	- .724	200	169	- .329	.159	- .059	- 1.542	200	248	- .318	.103	- .022	- .842
200	120	- .278	.100	.012	- .660	200	170	- .354	.188	- .059	- 1.526	200	249	- .409	.127	- .052	- .967
200	121	- .280	.108	.012	- .726	200	171	- .344	.189	- .087	- 2.091	200	250	- .525	.193	- .038	- 1.412
200	122	- .300	.110	- .009	- .925	200	201	- .244	.109	- .061	- .900	200	251	- .690	.283	- .066	- 1.791
200	123	- .271	.087	- .023	- .812	200	202	- .247	.115	- .052	- .858	200	252	- .312	.098	- .082	- .692
200	124	- .230	.054	- .050	- .549	200	203	- .325	.154	- .070	- 1.131	200	253	- .270	.077	- .084	- .636
200	125	- .237	.066	- .094	- .597	200	204	- .456	.171	- .008	- 1.260	200	254	- .411	.120	- .110	- .895
200	126	- .247	.081	- .034	- .597	200	205	- .587	.205	- .038	- 1.316	200	255	- .389	.129	- .080	- 1.161
200	127	- .264	.105	.015	- .888	200	206	- .596	.184	- .171	- 1.596	200	256	- .257	.091	- .017	- .768
200	128	- .284	.120	.013	- .974	200	207	- .554	.176	- .144	- 1.437	200	257	- .322	.098	- .091	- .814
200	129	- .318	.118	- .043	- 1.059	200	208	- .247	.139	- .193	- 1.091	200	258	- .250	.102	- .034	- .745
200	130	- .285	.107	- .011	- .884	200	209	- .265	.138	- .193	- 1.000	200	259	- .206	.088	- .024	- .759

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
200	260	- .181	.090	.139	- .717	200	329	.077	.133	.650	- .379	200	430	- .476	.151	- .127	-1.595
200	261	- .174	.073	.127	- .610	200	330	.214	.140	.753	- .171	200	431	- .497	.159	- .129	-1.371
200	262	- .152	.066	.088	- .645	200	331	.341	.148	.923	- .084	200	432	- .477	.160	- .004	-1.416
200	263	- .125	.072	.150	- .451	200	332	.338	.144	.852	- .001	200	433	- .405	.158	- .086	-1.256
200	264	- .135	.076	.125	- .658	200	333	.252	.116	.661	- .096	200	434	- .345	.145	- .041	-1.081
200	265	- .116	.049	.221	- .362	200	334	.043	.086	.388	- .214	200	435	- .349	.153	- .008	-1.111
200	266	- .105	.050	.141	- .308	200	335	- .112	.088	.240	- .482	200	436	- .519	.176	- .137	-1.736
200	267	- .095	.049	.136	- .260	200	336	- .071	.106	.328	- .608	200	437	- .527	.173	- .143	-1.475
200	268	- .069	.054	.180	- .278	200	337	.113	.127	.656	- .266	200	438	- .505	.187	- .000	-1.454
200	269	- .055	.059	.186	- .251	200	338	.242	.134	.768	- .078	200	439	- .415	.181	- .002	-1.301
200	270	- .161	.065	.059	- .467	200	339	.238	.119	.716	- .020	200	440	- .345	.155	- .008	-1.019
200	271	- .179	.078	.189	- .567	200	340	.161	.098	.623	- .080	200	441	- .297	.123	- .002	-1.772
200	272	- .129	.071	.323	- .417	200	341	- .032	.071	.339	- .253	200	442	- .312	.121	- .019	-1.774
200	273	- .090	.055	.428	- .267	200	342	- .155	.080	.120	- .348	200	443	- .636	.266	- .033	-1.762
200	274	- .081	.048	.334	- .239	200	343	- .073	.079	.289	- .346	200	444	- .675	.288	- .012	-1.842
200	275	- .079	.044	.246	- .235	200	344	.102	.090	.599	- .189	200	445	- .742	.298	- .063	-2.023
200	276	- .071	.043	.170	- .258	200	345	.339	.136	.970	- .034	200	446	- .501	.180	- .087	-1.222
200	277	- .052	.047	.232	- .242	200	346	.356	.137	.842	- .050	200	447	- .233	.102	- .063	-1.713
200	278	- .046	.050	.296	- .230	200	347	.245	.115	.734	- .090	200	448	- .145	.069	- .077	-1.466
200	279	- .049	.053	.218	- .205	200	348	- .031	.088	.313	- .397	200	449	- .128	.062	- .098	-1.413
200	280	- .060	.056	.259	- .289	200	349	- .236	.112	.123	- .713	200	450	- .132	.061	- .061	-1.435
200	281	- .108	.049	.068	- .349	200	401	- .467	.121	- .218	-1.136	200	451	- .135	.066	- .081	-1.489
200	301	.311	.169	.822	- .318	200	402	- .484	.125	- .206	-1.099	200	452	- .442	.155	- .097	-1.180
200	302	.421	.166	.902	- .114	200	403	- .502	.143	- .169	-1.233	200	453	- .330	.132	- .053	-1.104
200	303	.316	.139	.754	- .139	200	404	- .494	.163	- .124	-1.245	200	454	- .313	.111	- .067	-1.802
200	304	.288	.127	.663	- .096	200	405	- .398	.193	- .312	-1.338	200	455	- .286	.117	- .047	-1.880
200	305	.260	.119	.671	- .143	200	406	- .332	.148	- .117	-1.039	200	456	- .229	.081	- .034	-1.614
200	306	.130	.105	.441	- .263	200	407	- .319	.177	- .167	-1.143	200	457	- .221	.081	- .001	-1.598
200	307	.011	.091	.334	- .306	200	408	- .434	.136	- .095	-1.318	200	458	- .167	.070	- .114	-1.489
200	308	.268	.160	.787	- .248	200	409	- .445	.140	- .103	-1.234	200	459	- .132	.065	- .070	-1.516
200	309	.527	.172	1.093	- .228	200	410	- .450	.137	- .115	-1.108	200	460	- .150	.072	- .153	-1.569
200	310	.553	.176	1.069	- .054	200	411	- .456	.167	- .023	-1.336	200	461	- .125	.054	- .167	-1.396
200	311	.501	.166	1.009	- .009	200	412	- .382	.168	- .161	-1.161	200	462	- .107	.060	- .180	-1.456
200	312	.405	.147	.826	- .063	200	413	- .349	.176	- .200	-1.147	200	463	- .088	.055	- .128	-1.374
200	313	.194	.114	.530	- .203	200	414	- .355	.197	- .139	-1.342	200	464	- .086	.063	- .209	-1.405
200	314	.040	.096	.427	- .370	200	415	- .378	.128	- .097	-1.074	200	465	- .073	.046	- .180	-1.250
200	315	.199	.153	.820	- .269	200	416	- .389	.132	- .101	-1.147	200	466	- .076	.048	- .221	-1.232
200	316	.446	.169	1.243	- .075	200	417	- .423	.139	- .097	-1.328	200	467	- .070	.043	- .170	-1.228
200	317	.551	.180	1.097	- .048	200	418	- .439	.164	- .009	-1.283	200	468	- .064	.040	- .149	-1.216
200	318	.501	.156	.982	- .077	200	419	- .412	.174	- .106	-1.234	200	469	- .079	.038	- .106	-1.228
200	319	.402	.138	.818	- .090	200	420	- .399	.189	- .171	-1.309	200	470	- .089	.038	- .050	-1.251
200	320	.151	.099	.488	- .152	200	421	- .425	.231	- .171	-1.663	200	471	- .052	.035	- .337	-1.185
200	321	.000	.086	.303	- .277	200	422	- .423	.141	- .068	-1.348	200	472	- .052	.038	- .213	-1.183
200	322	.114	.132	.663	- .349	200	423	- .432	.122	- .133	-1.005	200	473	- .058	.045	- .305	-1.217
200	323	.373	.158	.941	- .123	200	424	- .445	.156	- .097	-1.653	200	474	- .056	.040	- .210	-1.198
200	324	.468	.162	1.003	- .021	200	425	- .466	.177	- .035	-1.362	200	475	- .044	.047	- .338	-1.194
200	325	.446	.160	1.077	- .001	200	426	- .431	.175	- .125	-1.265	200	476	- .037	.047	- .267	-1.202
200	326	.328	.136	.890	- .070	200	427	- .430	.199	- .251	-1.255	200	477	- .039	.046	- .247	-1.200
200	327	.105	.098	.504	- .228	200	428	- .427	.197	- .045	-1.371	200	478	- .028	.053	- .362	-1.182
200	328	.053	.085	.221	- .455	200	429	- .479	.146	- .141	-1.550	200	479	- .024	.053	- .225	-1.174

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
200	480	-.040	.046	.210	-.213	210	130	-.291	.084	-.074	-.752	210	209	-.131	.039	.014	-.366
200	481	-.055	.056	.200	-.313	210	131	-.256	.062	-.099	-.542	210	210	-.104	.048	.041	-.540
200	901	-.270	.140	.274	-.793	210	132	-.249	.067	-.099	-.652	210	211	-.131	.128	.126	-.871
200	902	-.285	.140	.233	-.979	210	133	-.251	.069	-.076	-.549	210	212	-.483	.311	.183	-1.638
200	903	-.172	.139	.188	-.782	210	134	-.227	.075	-.053	-.764	210	213	-.694	.234	.075	-1.676
200	904	-.499	.160	.004	-1.148	210	135	-.227	.075	-.017	-.636	210	214	-.726	.223	-.103	-1.861
200	905	-.251	.146	.122	-.842	210	136	-.316	.133	-.049	-1.198	210	215	-.183	.073	.041	-.812
200	906	-.556	.178	-.000	-1.303	210	137	-.296	.130	-.012	-1.159	210	216	-.166	.075	.077	-.677
200	907	-.471	.181	-.086	-1.040	210	138	-.248	.070	-.083	-.574	210	217	-.187	.135	.099	-1.030
200	908	-.666	.186	-.031	-1.479	210	139	-.284	.083	-.106	-.764	210	218	-.310	.237	.117	-1.181
200	909	-.653	.195	-.138	-1.892	210	140	-.275	.081	-.058	-.889	210	219	-.506	.250	.129	-1.674
200	910	-.564	.124	-.184	-1.033	210	141	-.253	.090	-.065	-.821	210	220	-.586	.179	.108	-1.609
200	911	-.512	.124	-.118	-1.120	210	142	-.250	.085	-.044	-.663	210	221	-.582	.166	.072	-1.501
200	912	-.563	.129	-.111	-1.063	210	143	-.128	.072	-.056	-.646	210	222	-.203	.084	.041	-.837
200	913	-.517	.148	-.102	-1.281	210	144	-.129	.063	-.010	-.758	210	223	-.189	.072	-.018	-.697
200	914	-.487	.147	-.123	-1.377	210	145	-.169	.067	-.020	-.537	210	224	-.194	.136	.097	-1.240
200	915	-.448	.154	.095	-1.246	210	146	-.286	.097	-.039	-.820	210	225	-.275	.217	.201	-1.305
200	916	-.309	.136	.098	-.967	210	147	-.309	.107	-.083	-1.194	210	226	-.449	.269	.306	-1.564
200	917	-.026	.109	.490	-.343	210	148	-.275	.096	-.078	-.858	210	227	-.563	.217	.201	-1.847
200	918	-.384	.158	1.042	-.012	210	149	-.289	.095	-.067	-.751	210	228	-.552	.184	.028	-1.227
200	919	-.022	.085	.419	-.227	210	150	-.077	.063	-.129	-.594	210	229	-.200	.063	.060	-.554
210	101	-.241	.098	.022	-.813	210	151	-.083	.065	-.120	-.480	210	230	-.189	.069	.008	-.751
210	102	-.222	.070	-.066	-.678	210	152	-.104	.052	-.056	-.416	210	231	-.180	.091	.133	-.821
210	103	-.204	.064	-.030	-.696	210	153	-.226	.109	-.120	-.881	210	232	-.231	.155	.019	-1.240
210	104	-.190	.049	-.039	-.562	210	154	-.335	.136	-.058	-1.109	210	233	-.346	.218	.071	-1.288
210	105	-.191	.047	-.064	-.400	210	155	-.311	.119	-.083	-.961	210	234	-.500	.217	.144	-1.499
210	106	-.179	.045	-.051	-.341	210	156	-.316	.109	-.090	-.790	210	235	-.517	.215	.051	-1.399
210	107	-.179	.046	-.051	-.363	210	157	-.094	.056	-.091	-.491	210	236	-.211	.069	.024	-.744
210	108	-.239	.070	-.039	-.760	210	158	-.144	.082	-.054	-.637	210	237	-.205	.057	-.042	-.577
210	109	-.210	.054	-.026	-.468	210	159	-.207	.103	-.041	-.788	210	238	-.177	.080	.013	-.783
210	110	-.206	.052	-.042	-.578	210	160	-.296	.116	-.027	-1.096	210	239	-.181	.099	.028	-.789
210	111	-.196	.051	-.039	-.379	210	161	-.079	.061	-.109	-.532	210	240	-.249	.150	.067	-1.095
210	112	-.190	.046	-.053	-.416	210	162	-.076	.053	-.113	-.420	210	241	-.365	.183	.128	-1.245
210	113	-.187	.047	-.014	-.354	210	163	-.084	.043	-.068	-.459	210	242	-.376	.179	.110	-1.258
210	114	-.188	.050	-.042	-.407	210	164	-.083	.042	-.063	-.432	210	243	-.291	.150	.024	-1.122
210	115	-.257	.067	-.053	-.553	210	165	-.132	.077	-.045	-.601	210	244	-.293	.148	.043	-1.227
210	116	-.227	.052	-.051	-.484	210	166	-.185	.096	-.015	-.839	210	245	-.241	.077	-.042	-.729
210	117	-.219	.043	-.071	-.404	210	167	-.193	.094	-.011	-.752	210	246	-.220	.068	-.030	-.556
210	118	-.217	.047	-.078	-.477	210	168	-.252	.107	-.033	-.844	210	247	-.190	.069	-.021	-.503
210	119	-.213	.055	-.039	-.443	210	169	-.304	.127	-.037	-1.111	210	248	-.192	.084	.015	-.549
210	120	-.210	.051	-.039	-.475	210	170	-.322	.133	-.076	-1.239	210	249	-.214	.090	.027	-.654
210	121	-.210	.055	-.053	-.769	210	171	-.304	.123	-.062	-.889	210	250	-.278	.132	.040	-1.291
210	122	-.296	.082	-.096	-.649	210	201	-.122	.034	-.014	-.353	210	251	-.316	.185	.022	-1.154
210	123	-.255	.061	-.069	-.690	210	202	-.107	.032	-.008	-.341	210	252	-.198	.068	-.182	-.515
210	124	-.225	.050	-.074	-.458	210	203	-.117	.039	-.006	-.398	210	253	-.181	.062	-.044	-.586
210	125	-.228	.054	-.088	-.574	210	204	-.130	.062	-.004	-.675	210	254	-.238	.090	-.001	-.627
210	126	-.221	.059	-.074	-.572	210	205	-.243	.184	-.063	-1.395	210	255	-.234	.087	.011	-.777
210	127	-.215	.060	-.004	-.508	210	206	-.804	.244	-.002	-1.613	210	256	-.154	.059	.050	-.469
210	128	-.226	.071	-.056	-.670	210	207	-.821	.244	-.240	-2.640	210	257	-.188	.066	-.045	-.506
210	129	-.313	.093	-.081	-.882	210	208	-.140	.036	-.016	-.339	210	258	-.217	.085	-.046	-.812

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
210	259	-179	.066	-.003	-.697	210	328	-.086	.071	.212	-.343	210	429	-.404	.106	-.111	-.870
210	260	-.138	.067	-.129	-.466	210	329	-.129	.161	.805	-.365	210	430	-.407	.108	-.141	-.1061
210	261	-.128	.061	.079	-.387	210	330	-.246	.150	.779	-.124	210	431	-.411	.120	-.021	-.1127
210	262	-.121	.056	.050	-.398	210	331	-.261	.133	.763	-.031	210	432	-.407	.120	-.045	-.1059
210	263	-.108	.057	.106	-.391	210	332	-.222	.117	.794	-.031	210	433	-.395	.123	-.038	-.1999
210	264	-.111	.057	.052	-.409	210	333	-.142	.106	.761	-.086	210	434	-.387	.123	-.021	-.1916
210	265	-.103	.039	.113	-.283	210	334	-.038	.078	.296	-.268	210	435	-.380	.132	-.034	-.1120
210	266	-.094	.040	.144	-.303	210	335	-.155	.076	.181	-.436	210	436	-.463	.144	-.097	-.1432
210	267	-.086	.040	.117	-.276	210	336	-.004	.135	.599	-.476	210	437	-.481	.150	-.139	-.1405
210	268	-.071	.044	.196	-.256	210	337	-.108	.121	.726	-.239	210	438	-.482	.160	-.018	-.1476
210	269	-.060	.045	.176	-.231	210	338	-.175	.107	.692	-.128	210	439	-.437	.147	-.032	-.1028
210	270	-.110	.045	.079	-.339	210	339	-.153	.099	.624	-.077	210	440	-.354	.130	-.030	-.1936
210	271	-.170	.063	.088	-.434	210	340	-.069	.079	.520	-.122	210	441	-.300	.101	-.012	-.1721
210	272	-.125	.050	.194	-.308	210	341	-.091	.066	.212	-.297	210	442	-.318	.109	-.078	-.1936
210	273	-.083	.043	.176	-.218	210	342	-.201	.079	.122	-.538	210	443	-.572	.234	-.033	-.1562
210	274	-.073	.040	.174	-.207	210	343	-.016	.081	.439	-.231	210	444	-.617	.253	-.053	-.2013
210	275	-.069	.035	.192	-.173	210	344	-.108	.083	.522	-.080	210	445	-.698	.235	-.162	-.1705
210	276	-.063	.036	.153	-.189	210	345	-.246	.115	.781	-.019	210	446	-.437	.164	-.001	-.1230
210	277	-.053	.038	.131	-.175	210	346	-.258	.124	.776	-.007	210	447	-.217	.093	.038	-.1667
210	278	-.049	.044	.180	-.182	210	347	-.153	.103	.672	-.074	210	448	-.160	.079	.119	-.1543
210	279	-.049	.041	.203	-.198	210	348	-.071	.077	.255	-.334	210	449	-.114	.054	.067	-.1377
210	280	-.056	.042	.131	-.211	210	349	-.219	.089	.008	-.570	210	450	-.117	.060	.052	-.1462
210	281	-.079	.038	.102	-.258	210	401	-.350	.074	-.113	-.1038	210	451	-.121	.059	.063	-.1332
210	301	-.440	.186	1.077	-.299	210	402	-.353	.077	-.120	-.808	210	452	-.356	.120	-.094	-.1073
210	302	-.467	.185	1.066	-.074	210	403	-.355	.085	-.082	-.743	210	453	-.264	.098	-.046	-.1803
210	303	-.310	.131	.708	-.094	210	404	-.356	.119	-.020	-.1190	210	454	-.271	.093	-.037	-.1722
210	304	-.249	.115	.569	-.092	210	405	-.317	.145	.099	-.1341	210	455	-.248	.085	.053	-.1631
210	305	-.198	.107	.525	-.171	210	406	-.316	.127	.071	-.1058	210	456	-.206	.070	.015	-.1633
210	306	-.085	.092	.481	-.297	210	407	-.325	.165	.095	-.1505	210	457	-.201	.070	.058	-.1586
210	307	-.010	.070	.255	-.249	210	408	-.277	.071	-.077	-.694	210	458	-.164	.060	.090	-.1472
210	308	-.418	.189	.896	-.266	210	409	-.280	.070	-.093	-.616	210	459	-.131	.054	.013	-.1420
210	309	-.562	.174	1.020	-.028	210	410	-.305	.079	-.112	-.840	210	460	-.147	.061	.072	-.1520
210	310	-.554	.173	1.053	-.096	210	411	-.319	.101	-.010	-.960	210	461	-.119	.047	.010	-.1383
210	311	-.439	.163	.987	-.025	210	412	-.300	.109	.136	-.1010	210	462	-.099	.046	.076	-.1317
210	312	-.331	.127	.741	-.012	210	413	-.317	.124	.032	-.1049	210	463	-.077	.040	.078	-.1249
210	313	-.148	.097	.487	-.136	210	414	-.349	.157	.101	-.1217	210	464	-.077	.045	.078	-.1288
210	314	-.016	.077	.348	-.273	210	415	-.275	.072	-.047	-.677	210	465	-.089	.038	.107	-.1264
210	315	-.331	.197	.889	-.246	210	416	-.277	.066	-.084	-.698	210	466	-.085	.040	.103	-.1366
210	316	-.487	.201	1.166	-.176	210	417	-.299	.077	-.086	-.751	210	467	-.073	.031	.086	-.1190
210	317	-.507	.169	1.000	-.021	210	418	-.316	.096	-.049	-.951	210	468	-.064	.032	.069	-.1239
210	318	-.403	.140	.836	.054	210	419	-.343	.104	-.023	-.847	210	469	-.095	.032	.015	-.1241
210	319	-.308	.131	.746	-.030	210	420	-.364	.140	.110	-.1119	210	470	-.101	.032	.022	-.1292
210	320	-.097	.087	.357	-.154	210	421	-.370	.158	.012	-.1368	210	471	-.072	.033	.170	-.1197
210	321	-.028	.069	.207	-.348	210	422	-.329	.085	-.090	-.895	210	472	-.072	.033	.126	-.1188
210	322	-.205	.187	.816	-.403	210	423	-.351	.081	-.121	-.755	210	473	-.081	.033	.156	-.1199
210	323	-.364	.177	.951	-.112	210	424	-.363	.100	-.077	-.1141	210	474	-.072	.035	.162	-.1247
210	324	-.388	.149	.925	-.013	210	425	-.376	.117	-.021	-.1217	210	475	-.067	.037	.267	-.1195
210	325	-.333	.132	.843	-.004	210	426	-.373	.128	-.021	-.1147	210	476	-.056	.035	.147	-.1175
210	326	-.212	.121	.684	-.077	210	427	-.390	.148	-.012	-.1043	210	477	-.056	.042	.219	-.1178
210	327	-.024	.088	.369	-.235	210	428	-.395	.141	-.029	-.1083	210	478	-.047	.045	.287	-.1202

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
210	479	-.039	.040	.287	-.161	220	129	-.392	.096	-.119	-.840	220	208	-.135	.032	-.027	-.249
210	480	-.043	.037	.258	-.196	220	130	-.357	.091	-.142	-.881	220	209	-.098	.034	.044	-.238
210	481	-.054	.041	.131	-.260	220	131	-.322	.077	-.131	-.736	220	210	-.034	.037	.112	-.181
210	901	-.216	.095	.177	-.611	220	132	-.315	.076	-.140	-.695	220	211	.012	.058	.248	-.254
210	902	-.122	.103	.184	-.560	220	133	-.299	.075	-.069	-.723	220	212	.022	.137	.298	-.855
210	903	-.071	.069	.279	-.273	220	134	-.291	.079	-.099	-.677	220	213	-.329	.285	.552	-1.061
210	904	-.340	.123	-.016	-.833	220	135	-.278	.077	-.110	-.656	220	214	-.345	.225	.522	-1.114
210	905	-.104	.065	-.078	-.413	220	136	-.382	.137	-.050	-1.351	220	215	-.171	.035	-.049	-.299
210	906	-.368	.193	-.010	-1.234	220	137	-.361	.129	-.069	-1.413	220	216	-.128	.033	-.011	-.301
210	907	-.168	.110	.050	-.655	220	138	-.349	.088	-.106	-.709	220	217	-.059	.044	.180	-.363
210	908	-.519	.285	.175	-1.309	220	139	-.401	.104	-.149	-1.059	220	218	-.008	.078	.273	-.596
210	909	-.838	.220	-.221	-1.784	220	140	-.371	.097	-.154	-.828	220	219	-.039	.204	.393	-1.007
210	910	-.527	.101	-.203	-.975	220	141	-.338	.091	-.108	-.776	220	220	-.322	.253	.479	-1.089
210	911	-.461	.090	-.160	-.821	220	142	-.343	.097	-.103	-.766	220	221	-.348	.209	.516	-1.132
210	912	-.522	.126	-.042	-1.014	220	143	-.167	.080	-.057	-.845	220	222	-.185	.041	-.056	-.360
210	913	-.455	.117	-.035	-1.073	220	144	-.177	.079	-.002	-.629	220	223	-.147	.032	-.004	-.267
210	914	-.390	.105	.013	-.853	220	145	-.257	.097	-.017	-.666	220	224	-.076	.047	.155	-.381
210	915	-.352	.105	.024	-.826	220	146	-.388	.119	-.058	-.942	220	225	-.030	.069	.180	-.957
210	916	-.204	.077	.083	-.572	220	147	-.434	.137	-.074	-1.146	220	226	-.058	.191	.316	-1.023
210	917	-.022	.100	.432	-.383	220	148	-.408	.132	-.123	-1.406	220	227	-.298	.268	.486	-1.359
210	918	.297	.135	1.017	-.003	220	149	-.390	.115	-.113	-1.027	220	228	-.328	.206	.513	-1.200
210	919	-.058	.082	-.519	-.148	220	150	-.074	.059	.098	-.643	220	229	-.217	.052	-.065	-.414
220	101	-.256	.082	-.040	-.829	220	151	-.073	.055	.153	-.585	220	230	-.176	.044	-.035	-.384
220	102	-.232	.068	-.010	-.907	220	152	-.119	.062	.089	-.523	220	231	-.106	.043	.050	-.336
220	103	-.220	.053	-.047	-.693	220	153	-.248	.141	.084	-1.231	220	232	-.063	.066	.171	-.576
220	104	-.215	.043	-.090	-.399	220	154	-.429	.164	.064	-1.448	220	233	-.074	.156	.264	-.949
220	105	-.223	.045	-.063	-.366	220	155	-.413	.133	-.143	-1.241	220	234	-.232	.237	.354	-1.170
220	106	-.220	.045	-.063	-.369	220	156	-.412	.128	-.102	-1.114	220	235	-.280	.217	.422	-1.083
220	107	-.208	.042	-.038	-.355	220	157	-.097	.064	.098	-.514	220	236	-.253	.064	-.099	-.535
220	108	-.244	.059	-.084	-.652	220	158	-.135	.085	.048	-.712	220	237	-.202	.050	-.044	-.389
220	109	-.229	.048	-.074	-.498	220	159	-.200	.123	.073	-.748	220	238	-.125	.044	.041	-.352
220	110	-.227	.043	-.100	-.488	220	160	-.303	.130	.034	-1.068	220	239	-.079	.056	.143	-.414
220	111	-.225	.043	-.081	-.412	220	161	-.067	.054	.126	-.730	220	240	-.093	.115	.166	-.688
220	112	-.218	.043	-.079	-.396	220	162	-.066	.049	.178	-.499	220	241	-.178	.193	.322	-.967
220	113	-.214	.043	-.063	-.406	220	163	-.077	.043	.087	-.401	220	242	-.230	.176	.285	-.919
220	114	-.214	.046	-.079	-.357	220	164	-.093	.059	.073	-.514	220	243	-.127	.104	.157	-.796
220	115	-.263	.053	-.070	-.488	220	165	-.113	.070	.052	-.574	220	244	-.159	.110	.224	-.856
220	116	-.257	.048	-.061	-.486	220	166	-.164	.097	.065	-.612	220	245	-.256	.065	.062	-.543
220	117	-.246	.046	-.118	-.452	220	167	-.186	.108	.060	-.918	220	246	-.201	.053	-.004	-.414
220	118	-.233	.045	-.127	-.424	220	168	-.277	.130	.016	-.831	220	247	-.127	.049	.092	-.370
220	119	-.232	.039	-.095	-.419	220	169	-.368	.154	.051	-1.192	220	248	-.090	.057	.120	-.485
220	120	-.228	.043	-.102	-.387	220	170	-.422	.152	-.138	-1.229	220	249	-.086	.065	.164	-.357
220	121	-.220	.041	-.084	-.380	220	171	-.411	.149	-.087	-1.402	220	250	-.125	.082	.129	-.504
220	122	-.321	.072	-.107	-.817	220	201	-.107	.032	.000	-.218	220	251	-.140	.098	.127	-.951
220	123	-.289	.062	-.102	-.693	220	202	-.075	.033	.051	-.228	220	252	-.108	.055	.102	-.375
220	124	-.278	.054	-.135	-.626	220	203	-.060	.039	.102	-.211	220	253	-.109	.056	.138	-.527
220	125	-.266	.056	-.138	-.568	220	204	-.047	.043	.122	-.179	220	254	-.112	.069	.122	-.476
220	126	-.254	.053	-.078	-.522	220	205	-.053	.061	.182	-.369	220	255	-.114	.059	.120	-.368
220	127	-.238	.048	-.106	-.423	220	206	-.269	.280	.214	-1.259	220	256	-.097	.060	.152	-.366
220	128	-.243	.052	-.096	-.469	220	207	-.566	.244	.291	-1.409	220	257	-.095	.057	.083	-.467

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
220	258	-.251	.074	-.078	-.624	220	327	-.031	.061	.193	-.217	220	428	-.347	.088	-.146	-.812
220	259	-.183	.058	-.032	-.640	220	328	-.129	.053	.079	-.360	220	429	-.370	.095	-.096	-.839
220	260	-.110	.056	.060	-.401	220	329	.298	.159	1.045	-.168	220	430	-.380	.096	-.151	-.943
220	261	-.083	.052	.100	-.347	220	330	.340	.153	.881	-.090	220	431	-.385	.094	-.129	-.830
220	262	-.080	.058	.125	-.353	220	331	.254	.125	.681	-.050	220	432	-.391	.103	-.101	-1.001
220	263	-.073	.054	.184	-.381	220	332	.177	.098	.537	-.127	220	433	-.390	.109	-.036	-.917
220	264	-.069	.052	.128	-.356	220	333	.079	.084	.465	-.136	220	434	-.403	.109	-.114	-.962
220	265	-.092	.037	.089	-.276	220	334	-.094	.067	.160	-.357	220	435	-.402	.115	-.129	-.960
220	266	-.068	.037	.098	-.251	220	335	-.202	.070	.024	-.488	220	436	-.478	.137	-.127	-1.173
220	267	-.059	.039	.116	-.251	220	336	.130	.139	.730	-.311	220	437	-.485	.135	-.207	-1.364
220	268	-.047	.040	.119	-.179	220	337	.170	.130	.883	-.214	220	438	-.522	.155	-.125	-1.520
220	269	-.042	.039	.128	-.199	220	338	.167	.111	.747	-.087	220	439	-.519	.142	-.098	-1.223
220	270	-.053	.041	.184	-.245	220	339	.092	.085	.476	-.122	220	440	-.411	.117	-.040	-.878
220	271	-.208	.063	-.015	-.503	220	340	.007	.069	.333	-.219	220	441	-.369	.097	-.109	-.819
220	272	-.143	.044	.069	-.381	220	341	-.169	.063	.086	-.468	220	442	-.384	.104	-.068	-.901
220	273	-.075	.039	.223	-.197	220	342	-.269	.075	.018	-.626	220	443	-.669	.248	-.165	-1.739
220	274	-.052	.039	.148	-.170	220	343	.093	.082	.622	-.115	220	444	-.707	.273	-.126	-2.114
220	275	-.051	.036	.148	-.158	220	344	.156	.103	.696	-.060	220	445	-.767	.246	-.218	-1.856
220	276	-.043	.034	.114	-.147	220	345	.236	.129	.699	-.060	220	446	-.510	.159	-.092	-1.237
220	277	-.033	.038	.148	-.145	220	346	.210	.119	.859	-.026	220	447	-.283	.104	-.026	-.713
220	278	-.028	.041	.157	-.138	220	347	.083	.094	.443	-.138	220	448	-.206	.089	.018	-.531
220	279	-.027	.045	.273	-.161	220	348	-.156	.071	.184	-.416	220	449	-.160	.063	.052	-.437
220	280	-.033	.041	.237	-.208	220	349	-.296	.097	-.028	-.839	220	450	-.150	.064	.038	-.485
220	281	-.041	.037	.130	-.163	220	401	-.265	.053	-.083	-.497	220	451	-.155	.072	.062	-.523
220	301	.475	.167	1.072	-.091	220	402	-.265	.056	-.083	-.514	220	452	-.347	.120	-.092	-1.031
220	302	.407	.147	.788	-.021	220	403	-.273	.056	-.094	-.661	220	453	-.270	.087	-.071	-.775
220	303	.243	.114	.567	-.128	220	404	-.272	.064	-.028	-.744	220	454	-.276	.095	-.076	-.908
220	304	.196	.096	.484	-.064	220	405	-.263	.081	.028	-.860	220	455	-.269	.083	-.078	-.638
220	305	.137	.082	.429	-.106	220	406	-.285	.086	-.092	-.746	220	456	-.275	.094	-.087	-.695
220	306	.041	.064	.346	-.198	220	407	-.302	.123	-.034	-1.132	220	457	-.244	.080	-.071	-.613
220	307	-.043	.049	.250	-.215	220	408	-.247	.046	-.118	-.554	220	458	-.211	.070	-.033	-.631
220	308	.558	.171	1.118	.012	220	409	-.247	.046	-.112	-.435	220	459	-.180	.070	.015	-.512
220	309	.580	.157	1.011	.064	220	410	-.256	.044	-.114	-.485	220	460	-.196	.079	.027	-.709
220	310	.446	.144	.993	.064	220	411	-.263	.052	-.092	-.603	220	461	-.153	.057	-.019	-.451
220	311	.353	.124	.770	-.012	220	412	-.268	.063	-.062	-.700	220	462	-.121	.056	.040	-.523
220	312	.242	.102	.593	-.054	220	413	-.286	.087	.024	-.864	220	463	-.086	.048	.069	-.432
220	313	.061	.073	.340	-.228	220	414	-.295	.099	-.064	-.901	220	464	-.081	.048	.141	-.394
220	314	-.036	.055	.215	-.231	220	415	-.260	.051	-.092	-.465	220	465	-.111	.044	.130	-.292
220	315	.537	.169	1.078	.010	220	416	-.267	.048	-.107	-.459	220	466	-.103	.044	.084	-.329
220	316	.541	.168	1.118	.027	220	417	-.269	.048	-.114	-.459	220	467	-.083	.037	.062	-.263
220	317	.473	.145	.921	.045	220	418	-.284	.057	-.099	-.784	220	468	-.070	.038	.110	-.225
220	318	.348	.117	.716	.032	220	419	-.299	.060	-.118	-.562	220	469	-.123	.038	.154	-.372
220	319	.194	.091	.480	-.054	220	420	-.314	.084	-.138	-.780	220	470	-.134	.043	.022	-.508
220	320	.017	.062	.279	-.172	220	421	-.324	.092	-.103	-.810	220	471	-.103	.038	.114	-.249
220	321	-.075	.049	.128	-.266	220	422	-.305	.070	-.105	-.866	220	472	-.097	.039	.151	-.247
220	322	.414	.161	.947	-.145	220	423	-.304	.059	-.140	-.560	220	473	-.107	.040	.119	-.282
220	323	.459	.161	.989	-.001	220	424	-.323	.072	-.095	-.614	220	474	-.098	.042	.270	-.289
220	324	.367	.137	.819	-.017	220	425	-.330	.082	-.071	-.735	220	475	-.083	.045	.156	-.237
220	325	.273	.110	.675	-.011	220	426	-.338	.084	-.112	-.776	220	476	-.068	.052	.244	-.291
220	326	.160	.093	.500	-.140	220	427	-.349	.105	-.088	-1.192	220	477	-.070	.046	.203	-.273

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
220	478	-.056	.050	.339	-.248	230	128	-.269	.051	-.092	-.467	230	207	-.006	.252	.702	-.991
220	479	-.045	.044	.312	-.205	230	129	-.393	.103	-.129	-.990	230	208	-.107	.038	.011	-.235
220	480	-.044	.040	.216	-.194	230	130	-.382	.095	-.159	-.920	230	209	-.046	.048	.155	-.241
220	481	-.045	.040	.147	-.207	230	131	-.357	.089	-.138	-1.082	230	210	-.056	.068	.273	-.180
220	901	-.105	.079	.125	-.450	230	132	-.354	.089	-.177	-.987	230	211	-.129	.086	.435	-.173
220	902	-.045	.072	.286	-.270	230	133	-.327	.081	-.140	-.767	230	212	-.191	.107	.592	-.137
220	903	-.068	.086	.303	-.279	230	134	-.326	.074	-.138	-.629	230	213	-.245	.219	.733	-.715
220	904	-.169	.047	-.042	-.457	230	135	-.312	.077	-.103	-.696	230	214	-.175	.270	.827	-.736
220	905	-.192	.060	-.008	-.446	230	136	-.414	.141	-.043	-1.091	230	215	-.152	.041	.021	-.285
220	906	-.308	.117	-.001	-.695	230	137	-.393	.124	-.025	-1.082	230	216	-.086	.042	.148	-.237
220	907	-.286	.119	.027	-.671	230	138	-.409	.113	-.087	-1.013	230	217	-.029	.062	.280	-.162
220	908	-.167	.154	.171	-.919	230	139	-.418	.103	-.145	-.897	230	218	-.116	.088	.456	-.121
220	909	-1.189	.285	-.318	-2.128	230	140	-.381	.096	-.119	-.814	230	219	-.198	.115	.626	-.503
220	910	-.509	.112	-.176	-.985	230	141	-.392	.100	-.138	-1.071	230	220	-.208	.236	.806	-.727
220	911	-.316	.068	-.099	-.709	230	142	-.379	.093	-.156	-.800	230	221	-.157	.277	.948	-.742
220	912	-.392	.149	-.075	-.882	230	143	-.202	.113	-.020	-1.067	230	222	-.185	.048	.007	-.380
220	913	-.295	.080	-.014	-.716	230	144	-.210	.090	-.006	-.727	230	223	-.115	.042	.064	-.239
220	914	-.307	.100	-.055	-.704	230	145	-.296	.120	-.026	-.782	230	224	-.010	.065	.235	-.207
220	915	-.267	.085	.047	-.547	230	146	-.437	.140	-.020	-1.182	230	225	-.073	.082	.358	-.166
220	916	-.082	.073	.184	-.348	230	147	-.473	.133	-.161	-1.570	230	226	-.149	.108	.585	-.294
220	917	-.103	.091	.290	-.365	230	148	-.431	.114	-.191	-.981	230	227	-.126	.230	.779	-.947
220	918	.242	.131	.863	-.053	230	149	-.435	.124	-.140	-1.342	230	228	-.063	.238	.738	-.774
220	919	.104	.082	.535	-.085	230	150	-.085	.066	-.100	-.623	230	229	-.216	.055	.004	-.464
230	101	-.241	.071	-.038	-.993	230	151	-.085	.056	-.089	-.533	230	230	-.158	.055	.105	-.418
230	102	-.242	.065	-.057	-.713	230	152	-.145	.086	-.068	-.595	230	231	-.050	.059	.206	-.214
230	103	-.248	.056	-.087	-.544	230	153	-.275	.154	-.172	-1.187	230	232	-.015	.069	.323	-.159
230	104	-.242	.049	-.089	-.482	230	154	-.495	.178	-.043	-1.404	230	233	-.068	.093	.580	-.306
230	105	-.242	.042	-.119	-.420	230	155	-.470	.131	-.168	-1.113	230	234	-.050	.188	.694	-.703
230	106	-.229	.046	-.054	-.424	230	156	-.466	.118	-.214	-1.000	230	235	-.016	.227	.623	-.760
230	107	-.228	.044	-.110	-.427	230	157	-.129	.080	-.084	-.551	230	236	-.258	.065	-.047	-.551
230	108	-.255	.058	-.103	-.688	230	158	-.166	.097	-.061	-.630	230	237	-.183	.055	.075	-.450
230	109	-.247	.053	-.112	-.554	230	159	-.276	.146	-.077	-.988	230	238	-.085	.055	.153	-.278
230	110	-.240	.051	-.094	-.521	230	160	-.358	.148	-.040	-1.203	230	239	-.027	.054	.261	-.212
230	111	-.251	.049	-.108	-.450	230	161	-.066	.052	.112	-.565	230	240	-.010	.073	.313	-.430
230	112	-.237	.045	-.098	-.387	230	162	-.067	.046	.201	-.374	230	241	-.005	.153	.534	-.634
230	113	-.239	.045	-.121	-.468	230	163	-.092	.056	.103	-.503	230	242	-.069	.187	.490	-.767
230	114	-.230	.044	-.098	-.408	230	164	-.103	.065	.130	-.632	230	243	-.044	.098	.341	-.476
230	115	-.283	.061	-.115	-.727	230	165	-.139	.087	.073	-.630	230	244	-.084	.133	.489	-.700
230	116	-.266	.052	-.115	-.526	230	166	-.169	.115	.121	-.851	230	245	-.258	.062	-.096	-.534
230	117	-.258	.050	-.126	-.556	230	167	-.188	.108	.103	-.698	230	246	-.194	.050	-.025	-.399
230	118	-.271	.046	-.140	-.452	230	168	-.284	.136	.066	-.823	230	247	-.096	.043	.098	-.355
230	119	-.255	.043	-.126	-.387	230	169	-.359	.171	.050	-1.279	230	248	-.047	.046	.170	-.274
230	120	-.251	.040	-.103	-.413	230	170	-.471	.152	-.117	-1.573	230	249	-.030	.061	.239	-.443
230	121	-.250	.041	-.133	-.390	230	171	-.459	.150	-.129	-1.374	230	250	-.047	.082	.283	-.506
230	122	-.341	.071	-.096	-.715	230	201	-.093	.036	-.080	-.219	230	251	-.072	.104	.378	-.522
230	123	-.316	.068	-.105	-.641	230	202	-.049	.042	-.107	-.193	230	252	-.072	.074	.304	-.409
230	124	-.293	.060	-.152	-.587	230	203	-.007	.056	-.165	-.226	230	253	-.070	.069	.276	-.439
230	125	-.299	.062	-.136	-.633	230	204	-.011	.067	.221	-.196	230	254	-.058	.074	.445	-.441
230	126	-.296	.060	-.073	-.603	230	205	-.012	.086	.310	-.351	230	255	-.057	.076	.339	-.487
230	127	-.270	.057	-.103	-.499	230	206	-.077	.105	.399	-.706	230	256	-.040	.047	.179	-.233

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
230	257	-.042	.044	.149	-.207	230	326	.062	.077	.337	-.168	230	427	-.324	.073	-.130	-.744
230	258	-.262	.066	-.062	-.652	230	327	-.089	.048	.118	-.231	230	428	-.318	.066	-.146	-.690
230	259	-.173	.046	.003	-.423	230	328	-.164	.046	.042	-.341	230	429	-.331	.087	-.100	-.750
230	260	-.082	.042	.077	-.330	230	329	.231	.176	.925	-.516	230	430	-.344	.087	-.142	-.800
230	261	-.044	.042	.175	-.205	230	330	.248	.163	.894	-.398	230	431	-.348	.091	-.152	-.857
230	262	-.034	.049	.171	-.216	230	331	.201	.125	.704	-.105	230	432	-.372	.097	-.103	-.893
230	263	-.031	.050	.198	-.228	230	332	.110	.092	.448	-.166	230	433	-.370	.105	-.150	-.961
230	264	-.034	.045	.200	-.198	230	333	.002	.070	.252	-.207	230	434	-.375	.090	-.142	-.724
230	265	-.077	.036	.062	-.223	230	334	-.140	.056	.101	-.319	230	435	-.388	.091	-.111	-.811
230	266	-.044	.039	.169	-.182	230	335	-.216	.058	-.035	-.446	230	436	-.463	.131	-.174	-1.063
230	267	-.026	.043	.239	-.191	230	336	.141	.147	.697	-.509	230	437	-.473	.134	-.150	-1.091
230	268	-.021	.043	.200	-.191	230	337	.127	.135	.702	-.426	230	438	-.512	.148	-.172	-1.392
230	269	-.022	.042	.203	-.143	230	338	.098	.097	.549	-.127	230	439	-.484	.125	-.085	-.967
230	270	-.022	.041	.194	-.168	230	339	.050	.081	.396	-.159	230	440	-.390	.103	-.098	-.872
230	271	-.229	.065	-.045	-.508	230	340	-.051	.058	.197	-.223	230	441	-.324	.087	-.068	-.707
230	272	-.147	.046	.057	-.355	230	341	-.209	.062	-.068	-.441	230	442	-.333	.089	-.061	-.772
230	273	-.054	.042	.141	-.178	230	342	-.305	.081	-.072	-.754	230	443	-.774	.246	-.148	-1.730
230	274	-.024	.050	.278	-.134	230	343	.105	.092	.551	-.385	230	444	-.820	.244	-.198	-2.013
230	275	-.025	.041	.178	-.125	230	344	.136	.109	.797	-.375	230	445	-.706	.261	-.200	-1.923
230	276	-.005	.046	.383	-.112	230	345	.165	.120	.820	-.095	230	446	-.480	.156	-.115	-1.134
230	277	-.007	.046	.337	-.139	230	346	.113	.106	.586	-.162	230	447	-.259	.093	-.049	-.705
230	278	-.004	.047	.292	-.166	230	347	-.014	.078	.364	-.242	230	448	-.207	.077	-.004	-.524
230	279	-.009	.043	.182	-.132	230	348	-.199	.062	.029	-.503	230	449	-.179	.061	-.021	-.441
230	280	-.012	.044	.246	-.139	230	349	-.308	.089	-.106	-.691	230	450	-.183	.063	-.012	-.499
230	281	-.017	.039	.185	-.130	230	401	-.229	.043	-.100	-.413	230	451	-.186	.071	-.012	-.525
230	301	.354	.190	.929	-.457	230	402	-.230	.041	-.107	-.398	230	452	-.271	.106	-.058	-.850
230	302	.255	.137	.630	-.199	230	403	-.232	.044	-.100	-.380	230	453	-.268	.083	-.038	-.655
230	303	.138	.094	.412	-.158	230	404	-.253	.049	-.098	-.443	230	454	-.247	.084	-.058	-.703
230	304	.102	.082	.399	-.140	230	405	-.245	.063	-.008	-.574	230	455	-.254	.086	-.065	-.767
230	305	-.061	.068	.305	-.184	230	406	-.250	.065	-.070	-.792	230	456	-.249	.088	-.060	-.808
230	306	-.014	.052	.180	-.182	230	407	-.258	.079	-.038	-.751	230	457	-.217	.073	-.067	-.629
230	307	-.082	.041	.095	-.213	230	408	-.230	.044	-.094	-.410	230	458	-.198	.075	-.033	-.567
230	308	.520	.197	.003	-.171	230	409	-.235	.042	-.117	-.387	230	459	-.175	.065	-.033	-.581
230	309	.466	.162	.979	-.086	230	410	-.235	.041	-.111	-.406	230	460	-.165	.061	-.001	-.516
230	310	.324	.125	.698	-.077	230	411	-.246	.045	-.092	-.447	230	461	-.136	.047	-.012	-.374
230	311	.209	.102	.532	-.055	230	412	-.251	.049	-.115	-.505	230	462	-.112	.045	-.028	-.405
230	312	-.128	.083	.416	-.110	230	413	-.259	.063	-.092	-.718	230	463	-.085	.042	-.089	-.361
230	313	-.011	.054	.180	-.206	230	414	-.263	.068	-.070	-.688	230	464	-.082	.049	-.087	-.374
230	314	-.094	.043	.073	-.239	230	415	-.243	.045	-.115	-.395	230	465	-.113	.045	-.069	-.381
230	315	.441	.208	.080	-.267	230	416	-.251	.043	-.133	-.397	230	466	-.106	.049	-.132	-.512
230	316	.456	.166	.947	-.274	230	417	-.260	.042	-.100	-.462	230	467	-.085	.036	-.048	-.288
230	317	.339	.138	.827	-.031	230	418	-.265	.045	-.126	-.423	230	468	-.072	.037	-.085	-.347
230	318	.212	.101	.549	-.068	230	419	-.269	.051	-.115	-.524	230	469	-.131	.039	-.031	-.330
230	319	.102	.072	.357	-.110	230	420	-.283	.056	-.126	-.731	230	470	-.132	.040	-.079	-.330
230	320	-.052	.045	.130	-.204	230	421	-.281	.061	-.135	-.585	230	471	-.121	.042	-.101	-.299
230	321	-.128	.037	.030	-.241	230	422	-.277	.059	-.105	-.550	230	472	-.113	.040	-.105	-.284
230	322	.325	.194	.973	-.363	230	423	-.286	.052	-.141	-.497	230	473	-.113	.040	-.167	-.348
230	323	.363	.166	.894	-.444	230	424	-.291	.062	-.115	-.561	230	474	-.107	.043	-.216	-.277
230	324	.261	.129	.778	-.052	230	425	-.295	.061	-.143	-.628	230	475	-.096	.043	-.190	-.382
230	325	.162	.102	.509	-.107	230	426	-.303	.068	-.113	-.1.035	230	476	-.083	.042	-.212	-.294

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
230	477	-.083	.044	.122	-.273	240	127	-.298	.058	-.149	-.584	240	206	.201	.117	.545	-.271
230	478	-.074	.050	.212	-.363	240	128	-.305	.058	-.139	-.646	240	207	.309	.170	.909	-.482
230	479	-.062	.037	.155	-.222	240	129	-.429	.113	-.130	-.935	240	208	-.059	.049	.121	-.277
230	480	-.054	.034	.125	-.198	240	130	-.414	.112	-.086	-1.044	240	209	.024	.062	.285	-.170
230	481	-.056	.038	.142	-.302	240	131	-.398	.098	-.070	-.866	240	210	.160	.085	.435	-.102
230	901	-.016	.047	.149	-.246	240	132	-.393	.099	-.165	-.931	240	211	.249	.113	.595	-.088
230	902	-.020	.047	.225	-.172	240	133	-.373	.093	-.153	-.940	240	212	.354	.131	.864	-.013
230	903	-.106	.095	.246	-.384	240	134	-.367	.084	-.146	-.894	240	213	.484	.169	.991	-.066
230	904	-.156	.028	-.055	-.272	240	135	-.345	.080	-.142	-.757	240	214	.541	.194	1.066	-.496
230	905	-.247	.051	-.053	-.493	240	136	-.430	.181	-.028	-1.301	240	215	.118	.047	.071	-.302
230	906	-.366	.073	-.046	-.590	240	137	-.398	.154	-.039	-1.134	240	216	-.023	.055	.208	-.198
230	907	-.466	.110	-.131	-.876	240	138	-.428	.126	-.043	-.977	240	217	.137	.084	.470	-.122
230	908	-.525	.243	-.049	-1.726	240	139	-.448	.116	-.139	-1.199	240	218	.260	.105	.627	-.038
230	909	-.827	.333	-.049	-2.036	240	140	-.437	.110	-.197	-1.062	240	219	.374	.134	.823	-.020
230	910	-.567	.127	-.111	-1.045	240	141	-.422	.107	-.174	-1.137	240	220	.475	.163	1.018	-.057
230	911	-.273	.052	-.118	-.469	240	142	-.412	.104	-.160	-.882	240	221	.515	.183	1.100	-.437
230	912	-.128	.086	.052	-.671	240	143	-.208	.136	.051	-1.381	240	222	-.154	.053	.041	-.414
230	913	-.162	.074	.165	-.453	240	144	-.215	.116	.024	-1.058	240	223	-.052	.048	.130	-.220
230	914	-.154	.052	.001	-.595	240	145	-.303	.158	.088	-.942	240	224	-.092	.083	.442	-.150
230	915	.037	.130	.355	-.471	240	146	-.404	.171	.056	-1.356	240	225	.206	.106	.554	-.077
230	916	-.011	.053	.206	-.244	240	147	-.459	.156	.130	-1.316	240	226	.313	.129	.743	-.015
230	917	-.158	.064	.105	-.425	240	148	-.458	.139	-.099	-1.427	240	227	.387	.168	.925	-.350
230	918	.156	.124	.649	-.105	240	149	-.458	.128	-.131	-1.804	240	228	.412	.188	.995	-.226
230	919	.104	.082	.547	-.200	240	150	-.098	.055	.061	-.709	240	229	-.196	.053	-.010	-.448
240	101	-.277	.096	.033	-.857	240	151	-.102	.056	.075	-.612	240	230	-.106	.054	.096	-.315
240	102	-.275	.081	-.046	-.790	240	152	-.144	.098	.109	-.711	240	231	-.024	.069	.327	-.175
240	103	-.265	.071	-.085	-.697	240	153	-.257	.164	.477	-1.296	240	232	.149	.097	.536	-.104
240	104	-.267	.063	-.071	-.683	240	154	-.447	.186	-.077	-1.859	240	233	.221	.119	.662	-.065
240	105	-.265	.051	-.110	-.475	240	155	-.449	.148	-.143	-1.367	240	234	.287	.166	.993	-.290
240	106	-.255	.045	-.129	-.475	240	156	-.444	.142	-.133	-1.125	240	235	.307	.166	.892	-.496
240	107	-.250	.047	-.117	-.448	240	157	-.146	.089	.091	-.619	240	236	-.237	.064	.011	-.556
240	108	-.284	.085	-.020	-.949	240	158	-.184	.113	.095	-.716	240	237	-.149	.052	.043	-.352
240	109	-.274	.070	-.087	-.785	240	159	-.226	.133	.202	-.924	240	238	-.025	.061	.226	-.212
240	110	-.269	.064	-.106	-.716	240	160	-.317	.142	.149	-1.076	240	239	.048	.071	.396	-.134
240	111	-.275	.057	-.124	-.605	240	161	-.084	.044	.058	-.558	240	240	.117	.100	.495	-.109
240	112	-.254	.048	-.115	-.455	240	162	-.076	.039	.055	-.336	240	241	.154	.123	.736	-.317
240	113	-.256	.048	-.092	-.501	240	163	-.096	.048	.088	-.401	240	242	.163	.129	.676	-.272
240	114	-.254	.049	-.110	-.445	240	164	-.109	.061	.135	-.512	240	243	.050	.091	.657	-.292
240	115	-.314	.078	-.099	-.817	240	165	-.139	.093	.216	-.593	240	244	.049	.102	.508	-.547
240	116	-.302	.069	-.099	-.718	240	166	-.146	.097	.208	-.706	240	245	-.232	.061	-.058	-.558
240	117	-.294	.057	-.143	-.554	240	167	-.177	.113	.215	-.836	240	246	-.164	.052	.025	-.422
240	118	-.288	.056	-.131	-.600	240	168	-.251	.145	.178	-1.005	240	247	-.064	.046	.252	-.232
240	119	-.273	.050	-.143	-.475	240	169	-.281	.151	.087	-1.146	240	248	-.014	.053	.279	-.172
240	120	-.271	.043	-.152	-.438	240	170	-.401	.174	-.042	-1.433	240	249	.014	.063	.393	-.197
240	121	-.267	.044	-.124	-.422	240	171	-.410	.166	-.100	-1.458	240	250	.029	.079	.423	-.255
240	122	-.359	.084	-.152	-.787	240	201	-.074	.046	-.117	-.253	240	251	-.027	.108	.497	-.553
240	123	-.343	.079	-.150	-.877	240	202	-.020	.054	.175	-.176	240	252	-.016	.112	.495	-.445
240	124	-.328	.073	-.146	-.748	240	203	.036	.068	.270	-.167	240	253	-.029	.091	.513	-.609
240	125	-.328	.063	-.149	-.644	240	204	.070	.080	.328	-.225	240	254	-.001	.073	.451	-.623
240	126	-.309	.063	-.119	-.577	240	205	.050	.102	.417	-.321	240	255	.011	.084	.349	-.459

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
240	256	- .013	.045	.273	- .204	240	325	.023	.066	.282	- .156	240	426	- .307	.066	- .145	- .640
240	257	- .015	.045	.215	- .239	240	326	- .050	.054	.202	- .229	240	427	- .308	.070	- .092	- .655
240	258	- .228	.066	- .049	- .530	240	327	- .156	.044	.057	- .287	240	428	- .318	.066	- .133	- .646
240	259	- .153	.044	.004	- .352	240	328	- .211	.047	- .034	- .394	240	429	- .336	.094	- .109	- .882
240	260	- .052	.039	.171	- .207	240	329	- .061	.198	.522	- .938	240	430	- .332	.088	- .150	- .835
240	261	- .016	.043	.208	- .161	240	330	.000	.180	.484	- .789	240	431	- .344	.090	- .153	- .888
240	262	- .003	.054	.326	- .159	240	331	.031	.067	.433	- .182	240	432	- .375	.099	- .104	- .939
240	263	- .003	.054	.287	- .184	240	332	- .023	.055	.304	- .182	240	433	- .374	.101	- .131	- .917
240	264	- .004	.051	.285	- .218	240	333	- .096	.048	.266	- .254	240	434	- .354	.082	- .144	- .796
240	265	- .043	.041	.162	- .204	240	334	- .198	.057	.044	- .436	240	435	- .353	.084	- .148	- .780
240	266	- .013	.048	.290	- .255	240	335	- .251	.066	- .049	- .522	240	436	- .445	.145	- .111	- 1.130
240	267	.001	.047	.287	- .141	240	336	- .070	.164	.453	- .891	240	437	- .464	.137	- .148	- 1.086
240	268	.008	.052	.281	- .132	240	337	- .011	.136	.484	- .727	240	438	- .531	.159	- .144	- 1.399
240	269	.000	.049	.285	- .177	240	338	- .008	.063	.257	- .405	240	439	- .437	.123	- .069	- 1.410
240	270	.002	.051	.312	- .186	240	339	- .052	.048	.224	- .316	240	440	- .308	.093	.004	- .791
240	271	- .192	.066	.032	- .610	240	340	- .124	.042	.075	- .267	240	441	- .297	.087	.017	- .732
240	272	- .110	.046	.117	- .280	240	341	- .248	.061	- .054	- .536	240	442	- .300	.094	.012	- .683
240	273	- .004	.059	.331	- .125	240	342	- .327	.084	- .089	- .705	240	443	- .743	.229	- .189	- 1.832
240	274	.030	.069	.360	- .118	240	343	.075	.114	.545	- .400	240	444	- .713	.226	- .152	- 1.779
240	275	.029	.063	.392	- .091	240	344	.060	.109	.534	- .375	240	445	- .498	.193	- .139	- 1.405
240	276	.039	.070	.379	- .118	240	345	.044	.075	.456	- .145	240	446	- .358	.137	- .097	- 1.048
240	277	.032	.060	.360	- .084	240	346	- .011	.061	.386	- .180	240	447	- .201	.071	- .061	- .616
240	278	.031	.061	.335	- .127	240	347	- .094	.047	.109	- .272	240	448	- .169	.052	- .028	- .423
240	279	.014	.050	.328	- .125	240	348	- .190	.057	- .063	- .439	240	449	- .149	.045	- .022	- .338
240	280	.011	.051	.256	- .189	240	349	- .266	.080	- .095	- .625	240	450	- .159	.059	.013	- .388
240	281	.009	.048	.306	- .113	240	401	- .234	.045	- .080	- .429	240	451	- .171	.069	.005	- .663
240	301	- .052	.229	.776	- .729	240	402	- .234	.044	- .109	- .427	240	452	- .176	.063	- .040	- .547
240	302	.061	.145	.588	- .681	240	403	- .246	.048	- .087	- .431	240	453	- .188	.068	- .056	- .533
240	303	.038	.076	.313	- .233	240	404	- .243	.051	- .080	- .454	240	454	- .190	.063	- .042	- .712
240	304	.016	.065	.255	- .164	240	405	- .239	.057	- .064	- .555	240	455	- .189	.060	- .056	- .496
240	305	.015	.051	.169	- .202	240	406	- .243	.055	- .031	- .583	240	456	- .146	.046	- .040	- .432
240	306	.073	.042	.087	- .233	240	407	- .241	.072	- .015	- 1.317	240	457	- .153	.048	- .044	- .451
240	307	- .126	.036	- .004	- .257	240	408	- .231	.047	- .055	- .430	240	458	- .137	.042	- .028	- .398
240	308	.118	.224	.798	- .536	240	409	- .240	.046	- .079	- .408	240	459	- .131	.045	- .010	- .343
240	309	.167	.208	.692	- .634	240	410	- .247	.046	- .110	- .428	240	460	- .128	.041	- .015	- .406
240	310	.152	.099	.332	- .171	240	411	- .247	.050	- .099	- .469	240	461	- .112	.034	.002	- .310
240	311	.086	.076	.333	- .148	240	412	- .245	.052	- .106	- .467	240	462	- .100	.035	.005	- .368
240	312	.019	.059	.244	- .168	240	413	- .250	.061	- .108	- .721	240	463	- .094	.041	.073	- .454
240	313	- .088	.043	.104	- .235	240	414	- .260	.068	- .016	- .818	240	464	- .100	.052	.093	- .579
240	314	.146	.038	- .018	- .310	240	415	- .256	.045	- .127	- .419	240	465	- .104	.034	.018	- .397
240	315	.062	.252	.756	- .980	240	416	- .255	.048	- .079	- .467	240	466	- .101	.033	.049	- .293
240	316	.143	.233	.750	- .847	240	417	- .254	.046	- .108	- .436	240	467	- .091	.032	.044	- .278
240	317	.153	.113	.661	- .184	240	418	- .269	.051	- .123	- .482	240	468	- .086	.032	.060	- .280
240	318	.061	.076	.433	- .144	240	419	- .266	.052	- .130	- .511	240	469	- .117	.030	- .018	- .262
240	319	.017	.054	.213	- .157	240	420	- .276	.051	- .130	- .627	240	470	- .120	.032	- .014	- .338
240	320	.127	.037	.013	- .257	240	421	- .289	.064	- .125	- .616	240	471	- .118	.031	- .003	- .298
240	321	.177	.037	- .035	- .332	240	422	- .277	.060	- .110	- .651	240	472	- .112	.030	.020	- .231
240	322	.010	.233	.710	- .918	240	423	- .286	.056	- .145	- .476	240	473	- .113	.031	- .000	- .287
240	323	.087	.195	.661	- .647	240	424	- .292	.064	- .095	- .568	240	474	- .108	.029	.030	- .263
240	324	.085	.089	.451	- .207	240	425	- .300	.067	- .149	- .649	240	475	- .100	.028	.092	- .257

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
240	476	-.099	.033	.070	-.250	250	126	-.368	.082	-.158	-.798	250	205	.124	.120	.512	-.273
240	477	-.099	.033	.043	-.320	250	127	-.350	.071	-.103	-.636	250	206	.321	.139	.712	-.073
240	478	-.090	.033	.061	-.233	250	128	-.349	.066	-.142	-.629	250	207	.423	.178	.930	-.211
240	479	-.077	.030	.076	-.181	250	129	-.434	.141	-.091	-1.128	250	208	-.022	.061	.287	-.259
240	480	-.079	.034	.050	-.258	250	130	-.400	.115	-.045	-1.013	250	209	.087	.080	.323	-.161
240	481	-.079	.039	.057	-.346	250	131	-.434	.114	-.135	-.964	250	210	.258	.108	.562	-.050
240	901	-.039	.042	.107	-.212	250	132	-.447	.112	-.128	-1.195	250	211	.334	.137	.766	-.093
240	902	-.030	.075	.156	-.349	250	133	-.436	.102	-.186	-.929	250	212	.455	.153	.932	-.005
240	903	-.283	.071	.008	-.604	250	134	-.417	.099	-.156	-.899	250	213	.565	.181	1.078	.034
240	904	-.192	.043	-.065	-.428	250	135	-.420	.091	-.172	-.844	250	214	.560	.193	1.110	-.052
240	905	-.298	.062	-.095	-.586	250	136	-.319	.163	.008	-1.391	250	215	-.078	.059	.180	-.284
240	906	-.293	.089	-.002	-.714	250	137	-.317	.146	.093	-1.029	250	216	.042	.074	.402	-.180
240	907	-.543	.107	-.168	-.965	250	138	-.373	.152	.056	-1.167	250	217	.235	.107	.582	-.068
240	908	-1.017	.272	-.098	-1.784	250	139	-.445	.142	-.022	-1.232	250	218	.367	.130	.787	-.030
240	909	-.357	.201	-.102	-1.364	250	140	-.479	.126	-.094	-1.144	250	219	.471	.163	.969	.014
240	910	-.523	.137	-.067	-1.052	250	141	-.466	.115	-.186	-1.361	250	220	.508	.172	1.019	.007
240	911	-.248	.053	-.019	-.428	250	142	-.475	.108	-.209	-1.181	250	221	-.488	.181	.971	-.061
240	912	-.179	.039	-.044	-.386	250	143	-.151	.077	-.001	-.715	250	222	-.137	.065	.125	-.327
240	913	-.103	.100	.371	-.370	250	144	-.148	.073	-.001	-.607	250	223	-.009	.067	.259	-.223
240	914	-.161	.031	-.044	-.311	250	145	-.201	.125	.244	-.798	250	224	.164	.100	.559	-.143
240	915	-.095	.077	.369	-.205	250	146	-.311	.174	.126	-1.095	250	225	.277	.132	.823	-.064
240	916	-.028	.045	.194	-.210	250	147	-.432	.177	.029	-1.697	250	226	.369	.148	.846	-.005
240	917	-.167	.050	.057	-.368	250	148	-.494	.165	-.120	-1.400	250	227	.416	.169	.982	.000
240	918	-.060	.066	.325	-.166	250	149	-.488	.153	-.125	-1.347	250	228	.362	.166	.949	-.107
240	919	.067	.084	.446	-.190	250	150	-.103	.036	.006	-.291	250	229	-.184	.065	.049	-.471
250	101	-.349	.146	.069	-1.049	250	151	-.104	.042	.108	-.395	250	230	-.071	.068	.198	-.322
250	102	-.348	.126	-.033	-1.072	250	152	-.128	.069	.059	-.669	250	231	.094	.087	.400	-.116
250	103	-.326	.101	-.028	-.962	250	153	-.190	.122	.504	-.916	250	232	.191	.107	.581	-.084
250	104	-.318	.080	-.047	-.819	250	154	-.335	.183	.080	-1.427	250	233	.270	.135	.766	-.026
250	105	-.309	.060	-.088	-.568	250	155	-.419	.157	-.104	-1.434	250	234	.265	.137	.791	-.118
250	106	-.301	.058	-.127	-.591	250	156	-.387	.139	-.077	-1.081	250	235	.249	.150	.777	-.237
250	107	-.287	.053	-.127	-.508	250	157	-.118	.045	.062	-.383	250	236	-.213	.073	.045	-.601
250	108	-.362	.132	-.083	-1.019	250	158	-.130	.059	.078	-.641	250	237	-.106	.060	.168	-.336
250	109	-.339	.104	-.037	-.959	250	159	-.170	.096	.066	-.830	250	238	.024	.073	.429	-.180
250	110	-.321	.083	-.049	-.883	250	160	-.232	.120	.041	-.952	250	239	.097	.083	.539	-.093
250	111	-.317	.077	-.107	-.814	250	161	-.097	.028	-.014	-.252	250	240	.148	.105	.665	-.084
250	112	-.301	.056	-.139	-.554	250	162	-.089	.032	.044	-.405	250	241	.157	.117	.615	-.175
250	113	-.295	.057	-.116	-.616	250	163	-.094	.032	.163	-.330	250	242	.118	.126	.626	-.210
250	114	-.284	.052	-.118	-.623	250	164	-.096	.040	.106	-.346	250	243	.084	.079	.467	-.161
250	115	-.383	.117	-.065	-.999	250	165	-.098	.049	.156	-.420	250	244	.041	.083	.493	-.276
250	116	-.351	.095	-.083	-.874	250	166	-.112	.071	.200	-.696	250	245	-.195	.066	.075	-.458
250	117	-.342	.073	-.118	-.699	250	167	-.118	.072	.151	-.687	250	246	-.120	.053	.140	-.294
250	118	-.333	.068	-.116	-.683	250	168	-.170	.111	.202	-.865	250	247	-.016	.058	.306	-.177
250	119	-.319	.056	-.169	-.570	250	169	-.217	.150	.241	-1.248	250	248	.022	.060	.391	-.119
250	120	-.296	.052	-.150	-.496	250	170	-.353	.157	.001	-1.100	250	249	.059	.071	.470	-.137
250	121	-.294	.055	-.139	-.485	250	171	-.341	.152	-.080	-1.290	250	250	.053	.073	.442	-.197
250	122	-.411	.117	-.162	-1.079	250	201	-.064	.056	.167	-.274	250	251	.036	.072	.424	-.274
250	123	-.397	.106	-.063	-1.008	250	202	-.002	.067	.287	-.216	250	252	.032	.078	.440	-.364
250	124	-.382	.092	-.144	-.911	250	203	-.073	.082	.403	-.227	250	253	.019	.074	.352	-.329
250	125	-.392	.087	-.165	-.929	250	204	-.120	.095	.424	-.248	250	254	.058	.071	.414	-.161

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
250	255	.039	.066	.387	-.338	250	324	-.072	.130	.226	-1.151	250	425	-.291	.069	-.123	-.688
250	256	.019	.050	.241	-.191	250	325	-.073	.060	.163	-.428	250	426	-.291	.062	-.132	-.746
250	257	.008	.049	.285	-.112	250	326	-.120	.044	.078	-.464	250	427	-.312	.064	-.128	-.589
250	258	-.201	.064	.017	-.500	250	327	-.185	.040	-.050	-.353	250	428	-.319	.066	-.141	-.653
250	259	-.111	.042	.096	-.281	250	328	-.219	.043	-.086	-.401	250	429	-.320	.082	-.112	-.769
250	260	-.022	.041	.205	-.170	250	329	-.357	.262	.368	-1.598	250	430	-.316	.076	-.139	-.695
250	261	.012	.046	.241	-.127	250	330	-.307	.260	.383	-1.481	250	431	-.335	.087	-.132	-.947
250	262	.031	.054	.312	-.089	250	331	-.116	.139	.233	-.872	250	432	-.354	.089	-.139	-.773
250	263	.025	.052	.282	-.130	250	332	-.102	.058	.161	-.455	250	433	-.334	.083	-.128	-.695
250	264	.017	.048	.243	-.168	250	333	-.145	.045	.049	-.322	250	434	-.333	.082	-.137	-.833
250	265	-.011	.046	.266	-.173	250	334	-.222	.050	-.079	-.430	250	435	-.357	.086	-.121	-.860
250	266	.030	.052	.343	-.105	250	335	-.259	.064	-.073	-.513	250	436	-.447	.131	-.114	-1.123
250	267	.037	.055	.393	-.091	250	336	-.280	.238	.462	-1.818	250	437	-.458	.141	-.146	-1.406
250	268	.040	.057	.300	-.116	250	337	-.203	.213	.392	-1.598	250	438	-.498	.152	-.157	-1.272
250	269	.037	.057	.362	-.166	250	338	-.123	.115	.242	-.857	250	439	-.373	.113	-.041	-.807
250	270	.033	.058	.384	-.159	250	339	-.112	.052	.085	-.396	250	440	-.273	.083	-.068	-.602
250	271	.144	.062	.093	-.577	250	340	-.166	.039	.031	-.333	250	441	-.248	.079	-.065	-.644
250	272	.066	.051	.211	-.307	250	341	-.258	.058	-.095	-.488	250	442	-.277	.093	-.052	-.635
250	273	.031	.064	.362	-.093	250	342	-.326	.078	-.136	-.641	250	443	-.667	.238	-.109	-1.655
250	274	.063	.071	.455	-.132	250	343	-.097	.182	.450	-1.137	250	444	-.579	.236	-.127	-1.673
250	275	.055	.063	.398	-.084	250	344	-.074	.161	.461	-.389	250	445	-.459	.188	-.125	-1.435
250	276	.069	.065	.575	-.091	250	345	-.062	.086	.388	-.642	250	446	-.310	.114	-.088	-.872
250	277	.089	.073	.439	-.045	250	346	-.079	.060	.170	-.257	250	447	-.179	.048	-.058	-.480
250	278	.055	.062	.400	-.064	250	347	-.132	.038	.045	-.267	250	448	-.150	.036	-.058	-.347
250	279	.057	.059	.346	-.075	250	348	-.199	.047	-.038	-.388	250	449	-.144	.034	-.045	-.278
250	280	.036	.056	.389	-.107	250	349	-.242	.072	-.084	-.521	250	450	-.143	.048	-.019	-.386
250	281	.056	.061	.380	-.070	250	401	-.216	.046	-.079	-.412	250	451	-.151	.061	-.034	-.471
250	301	.533	.244	.175	-1.946	250	402	-.230	.049	-.073	-.412	250	452	-.144	.033	-.049	-.290
250	302	.376	.229	.198	-1.442	250	403	-.235	.050	-.097	-.455	250	453	-.180	.041	-.081	-.393
250	303	.071	.055	.119	-.412	250	404	-.230	.049	-.052	-.412	250	454	-.178	.039	-.065	-.391
250	304	.070	.045	.110	-.219	250	405	-.221	.052	-.024	-.538	250	455	-.164	.037	-.072	-.345
250	305	.084	.037	.095	-.193	250	406	-.244	.059	-.044	-.675	250	456	-.162	.036	-.068	-.331
250	306	.116	.033	.016	-.242	250	407	-.254	.076	-.037	-.784	250	457	-.152	.032	-.068	-.304
250	307	.158	.036	.038	-.293	250	408	-.228	.048	-.072	-.425	250	458	-.152	.030	-.042	-.285
250	308	.457	.261	.467	-1.549	250	409	-.230	.046	-.099	-.418	250	459	-.128	.026	-.047	-.242
250	309	.385	.255	.424	-1.607	250	410	-.228	.046	-.097	-.396	250	460	-.131	.027	-.051	-.237
250	310	.012	.083	.317	-.661	250	411	-.232	.051	-.090	-.422	250	461	-.122	.027	-.027	-.273
250	311	.037	.055	.180	-.251	250	412	-.237	.051	-.079	-.420	250	462	-.115	.032	-.024	-.298
250	312	.073	.042	.090	-.222	250	413	-.253	.062	-.075	-.848	250	463	-.102	.034	-.043	-.287
250	313	.141	.035	.024	-.334	250	414	-.265	.073	-.048	-.664	250	464	-.102	.037	-.012	-.401
250	314	.172	.037	.062	-.323	250	415	-.242	.047	-.097	-.409	250	465	-.117	.026	-.011	-.224
250	315	.462	.294	.483	-2.079	250	416	-.242	.045	-.115	-.427	250	466	-.115	.026	-.038	-.237
250	316	.336	.277	.554	-1.646	250	417	-.248	.045	-.119	-.480	250	467	-.107	.025	-.001	-.228
250	317	.050	.155	.260	-.986	250	418	-.247	.046	-.117	-.451	250	468	-.103	.027	-.017	-.259
250	318	.049	.062	.182	-.587	250	419	-.262	.053	-.101	-.538	250	469	-.139	.033	-.001	-.291
250	319	.100	.040	.086	-.260	250	420	-.268	.053	-.106	-.586	250	470	-.133	.028	-.043	-.302
250	320	.163	.033	.045	-.285	250	421	-.293	.059	-.086	-.602	250	471	-.128	.027	-.044	-.225
250	321	.202	.038	.083	-.336	250	422	-.261	.058	-.106	-.547	250	472	-.123	.025	-.023	-.210
250	322	.425	.279	.312	-1.671	250	423	-.270	.051	-.139	-.489	250	473	-.129	.027	-.004	-.228
250	323	.321	.279	.536	-1.404	250	424	-.266	.057	-.097	-.580	250	474	-.122	.027	-.004	-.272

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
250	475	-.117	.028	-.007	-.239	260	125	-.440	.119	-.090	-1.142	260	204	.137	.105	.473	-.197
250	476	-.109	.025	-.013	-.223	260	126	-.433	.103	-.162	-1.030	260	205	.158	.133	.630	-.250
250	477	-.110	.027	-.026	-.270	260	127	-.402	.079	-.130	-.851	260	206	.326	.146	.742	-.156
250	478	-.107	.026	-.017	-.236	260	128	-.401	.085	-.185	-1.033	260	207	.360	.165	.951	-.183
250	479	-.100	.026	-.023	-.252	260	129	-.407	.164	.017	-1.365	260	208	.019	.080	.279	-.268
250	480	-.099	.032	.044	-.324	260	130	-.408	.151	.094	-1.084	260	209	.159	.102	.513	-.243
250	481	-.099	.036	.017	-.390	260	131	-.409	.140	.068	-1.133	260	210	.325	.121	.648	-.064
250	901	-.076	.053	.106	-.288	260	132	-.484	.132	-.097	-1.077	260	211	.444	.146	.896	-.021
250	902	-.222	.089	.044	-.524	260	133	-.492	.126	-.174	-1.701	260	212	.504	.170	1.079	-.005
250	903	-.387	.074	-.174	-.702	260	134	-.478	.104	-.211	-1.282	260	213	.542	.181	1.107	.002
250	904	-.296	.085	-.052	-.635	260	135	-.469	.107	-.232	-1.293	260	214	.450	.172	1.029	-.101
250	905	-.371	.073	-.141	-.724	260	136	-.275	.131	.015	-1.002	260	215	-.026	.077	.234	-.310
250	906	-.443	.138	-.079	-.947	260	137	-.269	.139	.150	-1.128	260	216	.116	.088	.396	-.147
250	907	-.529	.102	-.197	-.916	260	138	-.345	.172	.082	-1.044	260	217	.332	.119	.745	.014
250	908	-1.090	.245	-.395	-1.829	260	139	-.433	.166	.043	-1.256	260	218	.447	.145	.866	.043
250	909	-.176	.139	.109	-.894	260	140	-.523	.149	-.097	-1.282	260	219	.552	.172	1.040	.080
250	910	-.340	.121	-.020	-.775	260	141	-.560	.149	-.251	-1.479	260	220	.486	.171	1.011	.002
250	911	-.191	.057	-.020	-.397	260	142	-.542	.135	-.253	-1.202	260	221	.389	.174	.972	-.179
250	912	-.219	.056	-.042	-.695	260	143	-.157	.061	.039	-.584	260	222	-.084	.078	.185	-.365
250	913	-.059	.127	.455	-.386	260	144	-.152	.065	.099	-.574	260	223	.072	.078	.362	-.161
250	914	-.191	.043	-.006	-.427	260	145	-.183	.112	.202	-1.011	260	224	.264	.122	.715	-.071
250	915	-.071	.069	.322	-.164	260	146	-.257	.171	.260	-1.009	260	225	.386	.147	.841	-.016
250	916	-.069	.052	.111	-.315	260	147	-.408	.194	.127	-1.471	260	226	.480	.168	1.137	.034
250	917	-.166	.038	-.016	-.377	260	148	-.541	.180	-.140	-1.936	260	227	.421	.170	1.001	-.025
250	918	-.083	.061	.373	-.321	260	149	-.551	.179	-.172	-1.862	260	228	.275	.154	.830	-.123
250	919	-.014	.104	.529	-.520	260	150	-.122	.034	-.012	-.328	260	229	-.138	.074	.147	-.555
260	101	-.353	.183	.085	-1.567	260	151	-.116	.034	.085	-.358	260	230	.007	.082	.304	-.278
260	102	-.345	.149	.090	-1.288	260	152	-.126	.060	.097	-.658	260	231	.199	.102	.549	-.128
260	103	-.391	.145	.109	-1.237	260	153	-.149	.097	.162	-1.062	260	232	.321	.130	.719	-.029
260	104	-.425	.110	.004	-.986	260	154	-.274	.183	.048	-1.241	260	233	.367	.147	.927	.004
260	105	-.430	.093	-.103	-.895	260	155	-.424	.162	-.070	-1.306	260	234	.339	.156	.863	-.098
260	106	-.403	.079	-.168	-.849	260	156	-.423	.142	-.138	-1.206	260	235	.187	.142	.724	-.165
260	107	-.408	.074	-.182	-.739	260	157	-.116	.036	.095	-.347	260	236	-.171	.077	.105	-.474
260	108	-.356	.137	.048	-1.060	260	158	-.121	.051	.153	-.570	260	237	-.042	.069	.230	-.271
260	109	-.342	.117	.048	-.839	260	159	-.143	.071	.125	-.670	260	238	.116	.086	.472	-.103
260	110	-.374	.119	.078	-1.104	260	160	-.182	.095	.044	-.800	260	239	.192	.104	.583	-.107
260	111	-.411	.112	-.021	-.960	260	161	-.114	.027	-.026	-.244	260	240	.229	.119	.713	-.036
260	112	-.396	.097	-.077	-1.102	260	162	-.098	.025	-.010	-.216	260	241	.185	.132	.726	-.146
260	113	-.360	.081	-.159	-.763	260	163	-.099	.029	.062	-.224	260	242	.114	.139	.775	-.308
260	114	-.356	.083	-.154	-.821	260	164	-.096	.034	.202	-.268	260	243	.112	.104	.641	-.183
260	115	-.436	.176	.023	-1.476	260	165	-.088	.040	.176	-.354	260	244	.026	.117	.506	-.334
260	116	-.385	.140	.088	-1.100	260	166	-.087	.050	.122	-.465	260	245	-.153	.069	.171	-.528
260	117	-.385	.116	.139	-.923	260	167	-.087	.058	.178	-.714	260	246	-.076	.060	.203	-.304
260	118	-.416	.107	-.124	-.909	260	168	-.109	.085	.208	-.784	260	247	.044	.061	.357	-.157
260	119	-.374	.077	-.170	-.825	260	169	-.139	.130	.282	-.986	260	248	.088	.074	.499	-.132
260	120	-.349	.076	-.131	-.811	260	170	-.324	.149	-.034	-1.407	260	249	.109	.083	.501	-.109
260	121	-.343	.073	-.145	-.770	260	171	-.329	.157	-.048	-1.200	260	250	.105	.092	.694	-.118
260	122	-.450	.161	-.067	-1.199	260	201	-.074	.070	.199	-.395	260	251	.051	.096	.569	-.239
260	123	-.414	.141	.069	-1.023	260	202	.009	.080	.266	-.292	260	252	.110	.101	.638	-.183
260	124	-.424	.124	.010	-.916	260	203	.090	.091	.345	-.211	260	253	.065	.082	.478	-.195

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
260	254	.099	.078	.450	-.076	260	323	-.672	.243	.238	-1.862	260	424	-.260	.063	-.082	-.578
260	255	.103	.081	.573	-.081	260	324	-.470	.255	.107	-1.239	260	425	-.260	.059	-.106	-.523
260	256	.062	.057	.359	-.137	260	325	-.298	.187	.098	-1.190	260	426	-.267	.056	-.115	-.530
260	257	.073	.060	.473	-.106	260	326	-.206	.105	.071	-1.013	260	427	-.275	.065	-.077	-.559
260	258	-.153	.065	.124	-.460	260	327	-.216	.059	.013	-.547	260	428	-.306	.072	-.103	-.731
260	259	-.069	.047	.180	-.225	260	328	-.227	.059	-.039	-.682	260	429	-.289	.075	-.107	-.824
260	260	.025	.051	.245	-.126	260	329	-.675	.266	-.012	-2.043	260	430	-.292	.080	-.123	-.715
260	261	.061	.054	.348	-.090	260	330	-.640	.267	.013	-1.996	260	431	-.308	.079	-.129	-.711
260	262	.075	.058	.323	-.062	260	331	-.445	.252	.098	-1.461	260	432	-.302	.077	-.132	-.682
260	263	.066	.059	.323	-.117	260	332	-.265	.146	.087	-1.027	260	433	-.288	.075	-.114	-.700
260	264	.059	.055	.367	-.087	260	333	-.219	.090	-.174	-.720	260	434	-.291	.075	-.085	-.582
260	265	.043	.055	.357	-.140	260	334	-.237	.065	-.034	-.628	260	435	-.324	.083	-.098	-.746
260	266	.089	.065	.442	-.108	260	335	-.253	.073	-.059	-.735	260	436	-.368	.115	-.120	-.906
260	267	.099	.061	.401	-.071	260	336	-.542	.251	-.044	-2.270	260	437	-.387	.122	-.147	-.966
260	268	.089	.064	.394	-.094	260	337	-.521	.282	.311	-2.162	260	438	-.413	.133	-.129	-1.026
260	269	.098	.070	.461	-.078	260	338	-.332	.212	.102	-1.819	260	439	-.275	.083	-.098	-.715
260	270	.099	.070	.449	-.250	260	339	-.215	.099	.019	-.852	260	440	-.223	.059	-.100	-.511
260	271	-.094	.066	.197	-.424	260	340	-.201	.059	.071	-.581	260	441	-.230	.069	-.069	-.620
260	272	-.005	.060	.252	-.200	260	341	-.256	.062	-.019	-.547	260	442	-.230	.079	-.029	-.566
260	273	.113	.080	.518	-.039	260	342	-.284	.071	-.106	-.594	260	443	-.555	.218	-.121	-2.366
260	274	.148	.089	.593	-.055	260	343	-.424	.263	.254	-1.726	260	444	-.501	.227	-.105	-1.661
260	275	.147	.086	.564	-.041	260	344	-.338	.244	.186	-1.774	260	445	-.364	.149	-.098	-.989
260	276	.153	.088	.582	-.035	260	345	-.186	.102	.098	-.791	260	446	-.262	.091	-.071	-.673
260	277	.152	.082	.511	-.039	260	346	-.153	.054	-.064	-.449	260	447	-.178	.037	-.082	-.426
260	278	.132	.080	.580	-.032	260	347	-.161	.038	-.015	-.324	260	448	-.164	.036	-.084	-.345
260	279	.119	.070	.410	-.053	260	348	-.190	.045	-.073	-.366	260	449	-.159	.033	-.066	-.306
260	280	.117	.070	.678	-.087	260	349	-.226	.065	-.084	-.525	260	450	-.154	.044	-.047	-.404
260	281	.120	.071	.516	-.044	260	401	-.222	.053	-.077	-.442	260	451	-.150	.047	-.012	-.486
260	301	-.993	.318	-.238	-2.508	260	402	-.221	.053	-.064	-.413	260	452	-.164	.033	-.068	-.306
260	302	-.882	.256	-.028	-1.715	260	403	-.232	.053	-.093	-.415	260	453	-.182	.040	-.061	-.363
260	303	-.281	.149	-.036	-1.194	260	404	-.222	.051	-.084	-.476	260	454	-.174	.035	-.075	-.345
260	304	-.163	.033	-.014	-.745	260	405	-.231	.071	-.004	-.896	260	455	-.161	.030	-.061	-.278
260	305	-.145	.038	-.021	-.535	260	406	-.253	.071	-.018	-.784	260	456	-.168	.032	-.077	-.308
260	306	-.156	.035	-.023	-.349	260	407	-.274	.106	-.011	-.837	260	457	-.157	.028	-.079	-.283
260	307	-.181	.041	-.057	-.401	260	408	-.228	.056	-.029	-.497	260	458	-.154	.026	-.066	-.250
260	308	-.892	.246	-.162	-1.860	260	409	-.221	.055	-.040	-.450	260	459	-.137	.023	-.061	-.278
260	309	-.845	.255	.024	-2.043	260	410	-.228	.052	-.082	-.442	260	460	-.140	.026	-.045	-.267
260	310	-.414	.290	.039	-1.431	260	411	-.231	.056	-.066	-.455	260	461	-.136	.027	-.019	-.238
260	311	-.157	.088	.124	-.805	260	412	-.243	.061	-.051	-.605	260	462	-.130	.031	-.003	-.323
260	312	-.142	.044	-.136	-.492	260	413	-.248	.071	-.038	-.574	260	463	-.122	.037	-.012	-.504
260	313	-.171	.040	-.007	-.396	260	414	-.269	.084	-.038	-.881	260	464	-.114	.031	-.007	-.273
260	314	-.193	.045	.010	-.367	260	415	-.239	.057	-.060	-.658	260	465	-.132	.025	-.041	-.249
260	315	-.710	.251	.227	-2.526	260	416	-.235	.054	-.040	-.479	260	466	-.131	.027	-.010	-.235
260	316	-.717	.246	.131	-2.104	260	417	-.233	.051	-.091	-.578	260	467	-.129	.027	-.016	-.258
260	317	-.516	.300	.082	-1.411	260	418	-.245	.052	-.115	-.455	260	468	-.126	.030	-.006	-.359
260	318	-.272	.188	.147	-1.145	260	419	-.240	.050	-.082	-.408	260	469	-.159	.028	-.077	-.290
260	319	-.171	.068	.024	-.611	260	420	-.257	.057	-.055	-.466	260	470	-.150	.026	-.039	-.267
260	320	-.194	.050	-.007	-.526	260	421	-.279	.069	-.053	-.631	260	471	-.143	.024	-.066	-.240
260	321	-.206	.048	-.023	-.528	260	422	-.256	.064	-.053	-.781	260	472	-.142	.023	-.072	-.238
260	322	-.733	.248	-.041	-1.912	260	423	-.246	.052	-.124	-.477	260	473	-.144	.025	-.064	-.250

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
260	474	- .141	.026	- .022	- .236	270	124	- .410	.176	.139	-1 .101	270	203	.087	.102	.413	- .240
260	475	- .133	.025	- .060	- .223	270	125	- .543	.177	.176	-1 .254	270	204	.149	.111	.496	- .163
260	476	- .129	.026	- .024	- .278	270	126	- .585	.174	- .017	-1 .438	270	205	.167	.134	.549	- .270
260	477	- .126	.025	- .053	- .252	270	127	- .559	.155	- .147	-1 .249	270	206	.302	.145	.750	- .112
260	478	- .127	.027	- .040	- .272	270	128	- .524	.144	- .191	-1 .280	270	207	.248	.154	.704	- .249
260	479	- .124	.029	- .038	- .260	270	129	- .283	.140	.025	-1 .393	270	208	.003	.098	.350	- .327
260	480	- .121	.031	- .016	- .322	270	130	- .278	.137	.090	- .841	270	209	.169	.118	.574	- .231
260	481	- .119	.033	- .005	- .309	270	131	- .333	.168	.164	-1 .045	270	210	.391	.142	.814	- .092
260	901	- .178	.082	- .128	- .453	270	132	- .476	.205	.011	-1 .433	270	211	.461	.157	.951	- .016
260	902	- .369	.100	- .025	- .773	270	133	- .601	.196	.002	-1 .440	270	212	.529	.171	1 .040	- .023
260	903	- .524	.093	- .163	-1 .030	270	134	- .612	.184	- .221	-1 .797	270	213	.497	.180	1 .068	- .023
260	904	- .434	.110	- .100	- .819	270	135	- .601	.170	- .219	-1 .303	270	214	.340	.160	.859	- .137
260	905	- .517	.093	- .196	- .964	270	136	- .216	.094	- .014	-1 .737	270	215	- .036	.097	.320	- .432
260	906	- .604	.134	- .136	-1 .101	270	137	- .213	.114	.241	- .848	270	216	.154	.105	.530	- .174
260	907	- .605	.103	- .249	-1 .010	270	138	- .224	.140	.076	-1 .073	270	217	.378	.139	.850	- .005
260	908	- .901	.229	- .391	-1 .869	270	139	- .367	.198	.148	-1 .236	270	218	.521	.160	1 .113	- .142
260	909	- .582	.256	- .068	-1 .384	270	140	- .608	.209	- .072	-1 .693	270	219	.527	.171	1 .221	- .105
260	910	- .231	.112	.018	- .846	270	141	- .640	.199	- .184	-1 .860	270	220	.475	.171	1 .100	- .067
260	911	- .142	.059	.031	- .396	270	142	- .645	.188	- .253	-1 .656	270	221	.327	.154	.855	- .133
260	912	- .393	.164	- .073	-1 .107	270	143	- .162	.046	.013	- .425	270	222	- .078	.097	.446	- .405
260	913	- .043	.083	- .306	- .327	270	144	- .148	.046	.027	- .416	270	223	.117	.096	.434	- .236
260	914	- .246	.082	- .029	- .668	270	145	- .144	.075	.111	- .789	270	224	.326	.129	.841	- .030
260	915	- .024	.103	- .369	- .363	270	146	- .196	.133	.192	- .970	270	225	.442	.160	.974	- .041
260	916	- .147	.085	- .211	- .463	270	147	- .394	.218	.099	-1 .489	270	226	.467	.163	1 .127	- .016
260	917	- .172	.037	- .069	- .340	270	148	- .591	.209	- .065	-1 .927	270	227	.410	.157	.921	- .046
260	918	- .159	.062	- .042	- .527	270	149	- .586	.196	- .165	-1 .730	270	228	.226	.137	.725	- .214
260	919	- .135	.126	- .346	- .824	270	150	- .139	.037	- .010	- .288	270	229	- .104	.088	.207	- .415
270	101	- .264	.131	- .113	-1 .160	270	151	- .127	.033	.048	- .288	270	230	.065	.091	.439	- .205
270	102	- .259	.130	- .097	- .909	270	152	- .115	.046	.099	- .443	270	231	.282	.118	.713	- .016
270	103	- .322	.171	- .092	-1 .181	270	153	- .127	.082	.127	- .733	270	232	.350	.139	.872	- .013
270	104	- .523	.177	- .021	-1 .171	270	154	- .240	.153	.275	-1 .382	270	233	.412	.151	.914	- .020
270	105	- .630	.151	- .188	-1 .350	270	155	- .421	.160	- .003	-1 .269	270	234	.315	.138	.826	- .016
270	106	- .641	.132	- .290	-1 .436	270	156	- .422	.143	- .072	-1 .354	270	235	.176	.134	.647	- .210
270	107	- .624	.128	- .279	-1 .489	270	157	- .112	.033	.030	- .355	270	236	- .128	.090	.188	- .463
270	108	- .271	.106	- .005	- .919	270	158	- .107	.043	.255	- .439	270	237	.034	.088	.437	- .240
270	109	- .262	.116	- .092	- .805	270	159	- .118	.063	.153	- .826	270	238	.215	.105	.589	- .074
270	110	- .357	.173	- .234	-1 .134	270	160	- .143	.077	.150	- .766	270	239	.282	.117	.743	- .014
270	111	- .538	.193	- .136	-1 .301	270	161	- .130	.030	- .024	- .244	270	240	.288	.124	.808	- .011
270	112	- .643	.150	- .205	-1 .487	270	162	- .102	.026	.004	- .213	270	241	.219	.126	.642	- .106
270	113	- .612	.142	- .207	-1 .174	270	163	- .094	.028	.090	- .193	270	242	.064	.117	.591	- .360
270	114	- .613	.137	- .209	-1 .259	270	164	- .086	.035	.204	- .244	270	243	.136	.098	.527	- .147
270	115	- .339	.195	- .201	-1 .628	270	165	- .075	.039	.108	- .311	270	244	- .009	.112	.510	- .395
270	116	- .340	.186	- .252	-1 .174	270	166	- .066	.046	.260	- .395	270	245	- .108	.078	.204	- .407
270	117	- .439	.196	- .287	-1 .310	270	167	- .061	.056	.181	- .583	270	246	- .011	.069	.285	- .272
270	118	- .554	.183	- .002	-1 .366	270	168	- .076	.072	.243	- .753	270	247	.124	.087	.568	- .103
270	119	- .578	.150	- .154	-1 .211	270	169	- .101	.117	.297	- .729	270	248	.160	.081	.550	- .079
270	120	- .540	.137	- .137	-1 .157	270	170	- .323	.164	.021	-1 .131	270	249	.177	.094	.587	- .068
270	121	- .520	.139	- .156	-1 .141	270	171	- .317	.143	- .044	-1 .052	270	250	.151	.093	.555	- .096
270	122	- .335	.177	- .053	-1 .218	270	201	- .071	.085	.257	- .370	270	251	.058	.099	.536	- .270
270	123	- .342	.173	- .134	-1 .067	270	202	- .022	.089	.339	- .272	270	252	.167	.111	.740	- .109

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
270	253	.118	.098	.599	- .188	270	322	-.632	.216	-.188	-1.858	270	423	-.263	.076	-.056	- .560
270	254	.158	.089	.575	- .042	270	323	-.668	.240	-.113	-1.949	270	424	-.247	.073	-.027	- .535
270	255	.170	.093	.592	- .054	270	324	-.656	.228	-.053	-1.637	270	425	-.236	.057	-.067	- .616
270	256	.128	.078	.496	- .068	270	325	-.549	.225	-.093	-1.477	270	426	-.229	.056	-.074	- .594
270	257	.135	.073	.411	- .040	270	326	-.408	.204	-.177	-1.148	270	427	-.256	.080	-.016	- .814
270	258	-.125	.064	.120	- .393	270	327	-.329	.176	-.084	-1.157	270	428	-.278	.092	-.050	- .704
270	259	-.028	.048	.229	- .175	270	328	-.345	.189	-.111	-1.285	270	429	-.299	.098	-.066	- .788
270	260	.088	.062	.372	- .062	270	329	-.669	.253	-.174	-2.333	270	430	-.298	.091	-.071	- .761
270	261	.126	.070	.443	- .034	270	330	-.636	.237	-.142	-2.132	270	431	-.279	.075	-.075	- .661
270	262	.139	.073	.510	- .064	270	331	-.656	.237	-.060	-1.888	270	432	-.266	.066	-.114	- .586
270	263	.134	.072	.562	- .103	270	332	-.525	.221	-.018	-1.463	270	433	-.245	.055	-.109	- .523
270	264	.135	.081	.558	- .048	270	333	-.390	.191	-.045	-1.308	270	434	-.237	.061	-.080	- .519
270	265	.112	.072	.603	- .069	270	334	-.301	.136	-.041	-.932	270	435	-.268	.085	-.073	- .867
270	266	.149	.074	.555	- .048	270	335	-.327	.147	-.012	-1.018	270	436	-.338	.095	-.116	- .905
270	267	.170	.077	.558	- .025	270	336	-.674	.286	-.037	-2.711	270	437	-.345	.100	-.134	- .767
270	268	.163	.084	.649	- .018	270	337	-.655	.277	-.083	-2.180	270	438	-.340	.109	-.136	- .806
270	269	.179	.087	.638	- .023	270	338	-.610	.276	-.037	-1.967	270	439	-.263	.069	-.123	- .555
270	270	.189	.093	.720	- .087	270	339	-.441	.202	-.104	-1.475	270	440	-.219	.052	-.077	- .494
270	271	-.051	.059	.217	- .348	270	340	-.280	.125	-.077	-.833	270	441	-.202	.046	-.064	- .430
270	272	.049	.062	.377	- .119	270	341	-.250	.075	-.006	-.576	270	442	-.209	.060	-.068	- .521
270	273	.187	.087	.569	- .032	270	342	-.261	.067	-.015	-.564	270	443	-.461	.193	-.088	-1.361
270	274	.221	.104	.649	- .005	270	343	-.687	.303	-.032	-2.440	270	444	-.412	.193	-.083	-1.310
270	275	.214	.104	.697	- .014	270	344	-.632	.313	-.036	-2.162	270	445	-.318	.148	-.088	-1.299
270	276	.220	.098	.635	- .016	270	345	-.343	.163	-.048	-1.186	270	446	-.249	.085	-.074	- .742
270	277	.225	.097	.734	- .025	270	346	-.219	.086	-.009	-.874	270	447	-.187	.036	-.079	- .383
270	278	.212	.099	.677	- .011	270	347	-.184	.051	-.012	-.468	270	448	-.174	.032	-.074	- .320
270	279	.206	.098	.665	- .002	270	348	-.177	.047	-.064	-.376	270	449	-.171	.032	-.063	- .297
270	280	.184	.088	.571	- .025	270	349	-.200	.062	-.018	-.447	270	450	-.168	.041	-.057	- .408
270	281	.197	.085	.622	- .005	270	401	-.231	.066	-.058	-.532	270	451	-.166	.044	-.015	- .459
270	301	-.798	.235	-.204	-2.315	270	402	-.234	.064	-.062	-.603	270	452	-.157	.033	-.058	- .290
270	302	-.786	.200	-.213	-1.860	270	403	-.238	.069	-.023	-.758	270	453	-.168	.036	-.060	- .357
270	303	-.726	.214	-.081	-1.555	270	404	-.244	.071	-.023	-.696	270	454	-.166	.033	-.074	- .323
270	304	-.454	.197	-.015	-1.249	270	405	-.247	.087	-.020	-.711	270	455	-.168	.032	-.076	- .318
270	305	-.284	.140	-.094	-1.958	270	406	-.248	.074	-.065	-.655	270	456	-.159	.030	-.063	- .279
270	306	-.229	.095	-.088	-1.013	270	407	-.261	.096	-.002	-.686	270	457	-.153	.029	-.065	- .261
270	307	-.225	.083	-.013	-1.924	270	408	-.245	.082	-.006	-.796	270	458	-.150	.030	-.060	- .277
270	308	-.748	.195	-.170	-1.584	270	409	-.248	.079	-.045	-.727	270	459	-.140	.026	-.051	- .233
270	309	-.753	.187	-.168	-1.486	270	410	-.246	.065	-.069	-.549	270	460	-.152	.029	-.054	- .286
270	310	-.768	.236	-.038	-1.630	270	411	-.237	.068	-.051	-.499	270	461	-.149	.029	-.026	- .266
270	311	-.513	.225	-.076	-1.407	270	412	-.249	.073	-.051	-.657	270	462	-.145	.033	-.045	- .279
270	312	-.322	.170	-.163	-1.063	270	413	-.260	.095	-.018	-1.082	270	463	-.145	.035	-.006	- .295
270	313	-.244	.122	-.183	-1.067	270	414	-.271	.107	-.016	-1.238	270	464	-.136	.035	-.029	- .295
270	314	-.222	.093	-.078	-1.013	270	415	-.266	.110	-.075	-.916	270	465	-.143	.030	-.013	- .261
270	315	-.648	.226	-.054	-2.436	270	416	-.265	.097	-.006	-.765	270	466	-.146	.034	-.003	- .313
270	316	-.645	.208	-.127	-2.038	270	417	-.254	.080	-.009	-.713	270	467	-.149	.032	-.002	- .315
270	317	-.656	.222	-.028	-1.480	270	418	-.233	.056	-.060	-.508	270	468	-.143	.032	-.012	- .274
270	318	-.585	.225	-.051	-1.304	270	419	-.237	.059	-.060	-.493	270	469	-.154	.026	-.058	- .256
270	319	-.381	.179	-.149	-1.268	270	420	-.258	.087	-.015	-.954	270	470	-.156	.026	-.067	- .252
270	320	-.295	.140	-.056	-.935	270	421	-.269	.097	-.032	-.817	270	471	-.148	.026	-.069	- .270
270	321	-.305	.156	-.040	-1.238	270	422	-.292	.125	-.027	-1.294	270	472	-.147	.025	-.067	- .249

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
270	473	-153	.027	-.060	-.279	280	123	-.246	.085	-.022	-.771	280	202	.076	.105	.440	-.246
270	474	-.146	.026	-.029	-.256	280	124	-.244	.134	.044	-.966	280	203	.142	.111	.523	-.255
270	475	-.144	.027	-.045	-.245	280	125	-.389	.223	.028	-1.185	280	204	.194	.116	.569	-.168
270	476	-.153	.029	-.060	-.317	280	126	-.627	.200	-.055	-1.420	280	205	.183	.142	.623	-.328
270	477	-.150	.030	-.033	-.285	280	127	-.674	.163	-.138	-1.578	280	206	.250	.126	.638	-.153
270	478	-.150	.032	-.036	-.301	280	128	-.639	.153	-.230	-1.415	280	207	.176	.138	.645	-.416
270	479	-.148	.032	-.050	-.308	280	129	-.249	.060	-.085	-.741	280	208	.072	.109	.452	-.310
270	480	-.139	.031	-.041	-.258	280	130	-.223	.071	.003	-.699	280	209	.255	.129	.727	-.162
270	481	-.136	.033	-.044	-.290	280	131	-.208	.110	.065	-.941	280	210	.458	.144	.833	.003
270	901	-.210	.118	.223	-.801	280	132	-.312	.192	.106	-1.054	280	211	.516	.179	1.051	-.017
270	902	-.473	.166	.051	-1.077	280	133	-.573	.247	.028	-1.535	280	212	.535	.183	1.160	-.044
270	903	-.669	.121	-.329	-1.482	280	134	-.677	.184	-.152	-1.532	280	213	.453	.166	.967	-.101
270	904	-.557	.143	-.100	-1.082	280	135	-.637	.189	-.221	-1.583	280	214	.285	.154	.788	-.208
270	905	-.616	.119	-.206	-1.091	280	136	-.233	.053	-.066	-.552	280	215	.020	.102	.364	-.314
270	906	-.715	.141	-.258	-1.276	280	137	-.199	.062	.159	-.679	280	216	.217	.119	.623	-.144
270	907	-.698	.128	-.249	-1.195	280	138	-.170	.085	.111	-.732	280	217	.458	.144	.976	.035
270	908	-.836	.181	-.324	-1.688	280	139	-.219	.146	.051	-1.015	280	218	.536	.166	1.110	.069
270	909	-.787	.176	-.129	-1.456	280	140	-.470	.226	-.004	-1.236	280	219	.536	.163	1.076	.137
270	910	-.501	.195	.013	-1.209	280	141	-.651	.202	-.140	-1.500	280	220	.400	.154	.922	.001
270	911	-.194	.118	.085	-.885	280	142	-.636	.207	-.221	-1.537	280	221	.271	.137	.716	-.135
270	912	-.576	.188	-.072	-1.555	280	143	-.188	.040	-.052	-.398	280	222	-.033	.103	.282	-.403
270	913	-.102	.127	.262	-.663	280	144	-.166	.036	-.043	-.373	280	223	.175	.102	.514	-.112
270	914	-.325	.137	.083	-.841	280	145	-.134	.055	.134	-.543	280	224	.388	.136	.867	.012
270	915	-.149	.117	.308	-.799	280	146	-.143	.094	.137	-.830	280	225	.470	.149	1.022	.071
270	916	-.171	.116	.241	-.654	280	147	-.309	.193	.166	-1.377	280	226	.479	.145	.960	.083
270	917	-.175	.036	-.034	-.344	280	148	-.535	.214	.029	-1.914	280	227	.355	.141	.790	-.010
270	918	-.250	.107	-.007	-1.129	280	149	-.543	.193	-.072	-1.809	280	228	.160	.118	.565	-.154
270	919	-.261	.165	.314	-1.005	280	150	-.166	.037	-.022	-.323	280	229	-.041	.091	.369	-.357
280	101	-.225	.067	.008	-.497	280	151	-.145	.034	-.029	-.378	280	230	.132	.089	.531	-.140
280	102	-.188	.055	.010	-.509	280	152	-.120	.042	.095	-.463	280	231	.344	.129	.864	.008
280	103	-.184	.078	.114	-.768	280	153	-.111	.068	.116	-.699	280	232	.396	.138	1.017	.063
280	104	-.292	.142	.056	-.975	280	154	-.207	.156	.104	-1.347	280	233	.414	.142	.917	.024
280	105	-.585	.184	-.026	-1.143	280	155	-.358	.171	.079	-1.292	280	234	.280	.136	.780	-.055
280	106	-.823	.188	-.199	-1.668	280	156	-.371	.146	-.056	-1.471	280	235	.134	.115	.604	-.165
280	107	-.812	.212	-.325	-2.169	280	157	-.108	.031	.008	-.272	280	236	-.053	.092	.339	-.396
280	108	-.249	.062	-.059	-.669	280	158	-.102	.043	.109	-.426	280	237	.109	.096	.483	-.147
280	109	-.207	.060	.024	-.545	280	159	-.106	.059	.125	-.490	280	238	.282	.113	.761	-.026
280	110	-.186	.101	.134	-.842	280	160	-.126	.075	.042	-.646	280	239	.309	.117	.750	.027
280	111	-.317	.191	.199	-1.035	280	161	-.151	.031	-.049	-.272	280	240	.320	.132	.846	.049
280	112	-.637	.212	.026	-1.308	280	162	-.120	.027	.003	-.215	280	241	.198	.121	.611	-.108
280	113	-.775	.185	-.263	-1.703	280	163	-.098	.027	.045	-.263	280	242	.038	.110	.419	-.334
280	114	-.746	.182	-.238	-1.563	280	164	-.083	.032	.123	-.217	280	243	.158	.109	.613	-.147
280	115	-.275	.085	.054	-.830	280	165	-.063	.038	.245	-.176	280	244	-.015	.107	.332	-.393
280	116	-.234	.087	.056	-.702	280	166	-.055	.037	.191	-.218	280	245	-.030	.076	.247	-.326
280	117	-.260	.155	.201	-.897	280	167	-.048	.048	.237	-.313	280	246	.049	.079	.449	-.216
280	118	-.447	.233	.109	-1.129	280	168	-.052	.063	.237	-.476	280	247	.172	.097	.610	-.080
280	119	-.653	.194	.033	-1.283	280	169	-.066	.101	.260	-.840	280	248	.218	.108	.705	-.062
280	120	-.650	.132	-.261	-1.273	280	170	-.279	.156	.109	-1.035	280	249	.206	.108	.739	-.034
280	121	-.639	.127	-.247	-1.081	280	171	-.277	.141	.058	-1.169	280	250	.189	.115	.656	-.073
280	122	-.278	.073	-.077	-.860	280	201	-.003	.100	.364	-.343	280	251	.071	.102	.458	-.269

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
280	252	.209	.115	.700	-.147	280	321	-.506	.190	-.048	-1.527	280	422	-.400	.121	-.008	-.830
280	253	.173	.119	.820	-.221	280	322	-.451	.117	-.099	-1.543	280	423	-.363	.086	-.075	-.721
280	254	.197	.103	.656	-.055	280	323	-.456	.105	-.133	-1.043	280	424	-.327	.074	-.082	-.705
280	255	.194	.102	.695	-.009	280	324	-.498	.126	-.127	-1.274	280	425	-.293	.060	-.104	-.605
280	256	.175	.089	.578	-.023	280	325	-.507	.148	-.052	-1.287	280	426	-.280	.058	-.095	-.522
280	257	.186	.094	.670	-.023	280	326	-.486	.147	-.023	-1.072	280	427	-.287	.073	-.050	-.956
280	258	-.080	.063	.187	-.310	280	327	-.523	.171	-.075	-1.253	280	428	-.298	.078	-.111	-1.057
280	259	.014	.056	.279	-.175	280	328	-.545	.202	-.006	-1.491	280	429	-.427	.123	-.113	-1.093
280	260	.119	.067	.432	-.058	280	329	-.536	.134	-.113	-1.584	280	430	-.403	.105	-.097	-1.050
280	261	.169	.085	.573	-.028	280	330	-.532	.139	-.185	-2.480	280	431	-.361	.090	-.133	-.828
280	262	.179	.083	.564	-.010	280	331	-.549	.144	-.163	-1.578	280	432	-.315	.067	-.142	-.569
280	263	.165	.086	.545	-.024	280	332	-.566	.156	-.006	-1.580	280	433	-.282	.053	-.113	-.522
280	264	.188	.090	.634	-.062	280	333	-.536	.162	-.034	-1.210	280	434	-.268	.056	-.122	-.538
280	265	.152	.078	.525	-.022	280	334	-.500	.149	-.014	-1.061	280	435	-.267	.061	-.077	-.803
280	266	.197	.088	.713	-.013	280	335	-.497	.165	-.034	-1.265	280	436	-.380	.089	-.180	-.776
280	267	.200	.093	.582	-.010	280	336	-.610	.174	-.190	-1.856	280	437	-.371	.093	-.147	-.884
280	268	.196	.099	.643	-.040	280	337	-.626	.208	-.164	-3.221	280	438	-.363	.105	-.149	-.920
280	269	.227	.099	.697	-.038	280	338	-.627	.191	-.104	-1.582	280	439	-.274	.054	-.135	-.542
280	270	.227	.107	.695	-.008	280	339	-.584	.167	-.093	-1.260	280	440	-.245	.044	-.099	-.448
280	271	-.011	.067	.298	-.280	280	340	-.438	.133	-.024	-1.145	280	441	-.240	.047	-.102	-.484
280	272	.083	.067	.464	-.119	280	341	-.332	.092	-.034	-.671	280	442	-.233	.049	-.059	-.486
280	273	.216	.100	.718	-.001	280	342	-.328	.083	-.059	-.653	280	443	-.417	.166	-.131	-1.267
280	274	.249	.105	.818	-.008	280	343	-.644	.237	-.051	-1.900	280	444	-.354	.145	-.103	-1.340
280	275	.257	.102	.693	-.003	280	344	-.595	.225	-.027	-1.952	280	445	-.277	.090	-.113	-.754
280	276	.266	.106	.843	-.028	280	345	-.489	.169	-.042	-1.537	280	446	-.265	.067	-.113	-.716
280	277	.260	.105	.709	-.019	280	346	-.374	.124	-.097	-.945	280	447	-.213	.035	-.119	-.341
280	278	.236	.106	.743	-.026	280	347	-.241	.078	-.003	-.676	280	448	-.213	.036	-.113	-.338
280	279	.246	.105	.759	-.006	280	348	-.191	.055	-.031	-.398	280	449	-.201	.036	-.078	-.373
280	280	.233	.105	.833	-.003	280	349	-.196	.057	-.049	-.526	280	450	-.203	.040	-.061	-.369
280	281	.254	.105	.752	-.017	280	401	-.341	.114	-.018	-.723	280	451	-.204	.041	-.058	-.409
280	301	-.499	.116	-.174	-1.224	280	402	-.313	.098	-.009	-.736	280	452	-.193	.039	-.046	-.343
280	302	-.488	.114	-.203	-1.712	280	403	-.283	.081	-.029	-.684	280	453	-.204	.040	-.069	-.359
280	303	-.538	.133	-.090	-1.126	280	404	-.259	.066	-.059	-.573	280	454	-.197	.039	-.083	-.338
280	304	-.535	.170	-.054	-1.522	280	405	-.253	.071	-.019	-.661	280	455	-.196	.034	-.085	-.307
280	305	-.487	.189	-.062	-1.654	280	406	-.249	.064	-.055	-.553	280	456	-.191	.037	-.081	-.334
280	306	-.411	.172	-.136	-1.353	280	407	-.247	.071	-.001	-.593	280	457	-.190	.036	-.055	-.341
280	307	-.422	.200	-.087	-1.305	280	408	-.341	.124	-.138	-1.011	280	458	-.189	.036	-.053	-.311
280	308	-.460	.120	-.160	-1.029	280	409	-.326	.109	-.019	-.797	280	459	-.180	.033	-.055	-.307
280	309	-.454	.116	-.169	-1.253	280	410	-.291	.076	-.035	-.652	280	460	-.193	.036	-.056	-.337
280	310	-.496	.155	-.106	-1.973	280	411	-.270	.074	-.006	-.600	280	461	-.201	.038	-.058	-.366
280	311	-.521	.173	-.038	-1.726	280	412	-.261	.068	-.046	-.513	280	462	-.192	.036	-.054	-.325
280	312	-.451	.162	-.182	-1.228	280	413	-.254	.069	-.048	-.547	280	463	-.184	.038	-.061	-.328
280	313	-.440	.195	-.193	-1.219	280	414	-.261	.073	-.008	-.616	280	464	-.183	.041	-.020	-.316
280	314	-.454	.228	-.182	-1.538	280	415	-.378	.110	-.026	-.781	280	465	-.192	.036	-.074	-.319
280	315	-.419	.113	-.079	-.991	280	416	-.342	.088	-.068	-.783	280	466	-.196	.037	-.006	-.357
280	316	-.423	.116	-.110	-1.156	280	417	-.309	.069	-.102	-.547	280	467	-.190	.038	-.031	-.360
280	317	-.466	.134	-.108	-1.452	280	418	-.294	.066	-.097	-.593	280	468	-.192	.037	-.065	-.337
280	318	-.491	.146	-.042	-1.142	280	419	-.285	.067	-.077	-.631	280	469	-.197	.036	-.079	-.342
280	319	-.454	.144	-.102	-1.230	280	420	-.286	.075	-.064	-.696	280	470	-.194	.035	-.083	-.342
280	320	-.505	.173	-.011	-1.262	280	421	-.295	.083	-.030	-.766	280	471	-.192	.034	-.095	-.308

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
280	472	- .190	.032	- .099	- .294	290	122	- .316	.041	- .149	- .454	290	201	.116	.104	.455	- .212
280	473	- .193	.036	- .093	- .332	290	123	- .250	.038	- .115	- .507	290	202	.178	.106	.531	- .161
280	474	- .194	.034	- .093	- .354	290	124	- .161	.034	- .013	- .540	290	203	.206	.104	.613	- .150
280	475	- .189	.034	- .093	- .321	290	125	- .154	.134	- .116	- .919	290	204	.221	.102	.544	- .192
280	476	- .195	.036	- .084	- .327	290	126	- .395	.262	- .171	- 1.241	290	205	.191	.120	.580	- .244
280	477	- .201	.038	- .070	- .345	290	127	- .589	.161	- .091	- 1.564	290	206	.209	.112	.571	- .154
280	478	- .198	.036	- .073	- .323	290	128	- .612	.155	- .159	- 1.297	290	207	.091	.113	.628	- .308
280	479	- .187	.037	- .079	- .347	290	129	- .296	.038	- .170	- .484	290	208	.218	.120	.652	- .141
280	480	- .183	.036	- .057	- .340	290	130	- .243	.036	- .072	- .422	290	209	.420	.134	.817	.012
280	481	- .177	.036	- .054	- .297	290	131	- .155	.040	- .007	- .467	290	210	.545	.141	.916	.014
280	901	- .274	.108	- .078	- .677	290	132	- .140	.104	- .100	- .743	290	211	.551	.152	.990	.667
280	902	- .524	.165	- .062	- 1.104	290	133	- .363	.245	- .131	- 1.167	290	212	.512	.155	1.040	.007
280	903	- .671	.138	- .295	- 1.322	290	134	- .564	.174	- .209	- 1.370	290	213	.385	.134	.837	.106
280	904	- .594	.149	- .006	- 1.437	290	135	- .581	.167	- .110	- 1.370	290	214	.200	.112	.593	- .159
280	905	- .631	.138	- .241	- 1.235	290	136	- .299	.043	- .163	- .518	290	215	.169	.119	.587	- .161
280	906	- .655	.129	- .266	- 1.165	290	137	- .239	.039	- .112	- .491	290	216	.381	.131	.819	.007
280	907	- .607	.105	- .228	- 1.230	290	138	- .156	.044	- .044	- .538	290	217	.547	.141	1.071	.135
280	908	- .598	.105	- .290	- 1.203	290	139	- .145	.103	- .080	- .911	290	218	.571	.158	1.143	.137
280	909	- .616	.134	- .174	- 1.514	290	140	- .302	.201	- .107	- 1.011	290	219	.538	.155	1.023	.050
280	910	- .583	.148	- .049	- 1.215	290	141	- .552	.179	- .078	- 1.386	290	220	.368	.137	.821	- .040
280	911	- .362	.132	- .104	- .818	290	142	- .552	.175	- .078	- 1.415	290	221	.196	.108	.582	- .117
280	912	- .570	.142	- .097	- 1.162	290	143	- .258	.040	- .115	- .420	290	222	.115	.113	.527	- .369
280	913	- .283	.133	- .239	- .834	290	144	- .220	.034	- .095	- .456	290	223	.313	.116	.738	- .016
280	914	- .386	.128	- .008	- .964	290	145	- .149	.045	- .003	- .458	290	224	.498	.140	.905	.107
280	915	- .209	.122	- .259	- .658	290	146	- .124	.077	- .119	- .732	290	225	.535	.148	1.089	.118
280	916	- .149	.116	- .221	- .548	290	147	- .252	.171	- .121	- 1.185	290	226	.505	.146	1.019	.120
280	917	- .209	.045	- .081	- .482	290	148	- .442	.165	- .103	- 1.379	290	227	.327	.125	.797	- .049
280	918	- .417	.145	- .093	- 1.205	290	149	- .421	.167	- .137	- 1.129	290	228	.121	.102	.398	- .149
280	919	- .287	.174	- .343	- 1.156	290	150	- .231	.037	- .088	- .396	290	229	.097	.107	.502	- .253
290	101	- .300	.051	- .131	- .670	290	151	- .195	.034	- .075	- .347	290	230	.255	.113	.698	- .096
290	102	- .232	.041	- .082	- .403	290	152	- .132	.042	- .023	- .407	290	231	.407	.129	.909	.066
290	103	- .193	.043	- .039	- .391	290	153	- .095	.063	- .123	- .474	290	232	.499	.139	.964	.154
290	104	- .190	.059	- .010	- .568	290	154	- .155	.128	- .096	- 1.171	290	233	.419	.131	.864	.083
290	105	- .351	.154	- .015	- .980	290	155	- .295	.145	- .159	- 1.182	290	234	.240	.115	.636	- .071
290	106	- .682	.159	- .004	- 1.361	290	156	- .319	.127	- .092	- 1.180	290	235	.066	.092	.384	- .231
290	107	- .683	.163	- .231	- 1.472	290	157	- .114	.035	- .002	- .302	290	236	.056	.104	.521	- .268
290	108	- .319	.044	- .171	- .521	290	158	- .097	.045	- .070	- .449	290	237	.217	.103	.605	- .083
290	109	- .237	.036	- .097	- .398	290	159	- .088	.064	- .108	- .605	290	238	.331	.101	.838	.035
290	110	- .138	.045	- .070	- .420	290	160	- .103	.087	- .125	- .596	290	239	.381	.121	.829	.099
290	111	- .113	.095	- .219	- .648	290	161	- .203	.031	- .109	- .342	290	240	.339	.130	.833	.021
290	112	- .364	.232	- .174	- 1.038	290	162	- .147	.030	- .030	- .250	290	241	.175	.112	.648	- .116
290	113	- .647	.159	- .031	- 1.223	290	163	- .109	.033	- .054	- .215	290	242	.004	.096	.391	- .288
290	114	- .608	.160	- .144	- 1.403	290	164	- .086	.035	- .072	- .253	290	243	.155	.112	.560	- .107
290	115	- .320	.042	- .175	- .465	290	165	- .057	.041	- .117	- .273	290	244	.002	.097	.399	- .337
290	116	- .251	.042	- .082	- .494	290	166	- .049	.045	- .149	- .422	290	245	.031	.088	.390	- .259
290	117	- .147	.060	- .059	- .552	290	167	- .037	.051	- .145	- .355	290	246	.124	.096	.526	- .119
290	118	- .152	.144	- .125	- .924	290	168	- .031	.080	- .194	- .603	290	247	.221	.102	.682	- .052
290	119	- .434	.265	- .166	- 1.200	290	169	- .027	.105	- .334	- .777	290	248	.259	.101	.776	- .005
290	120	- .585	.133	- .123	- 1.214	290	170	- .239	.151	- .247	- .980	290	249	.260	.110	.694	- .003
290	121	- .567	.128	- .200	- 1.196	290	171	- .224	.134	- .105	- .933	290	250	.226	.116	.731	- .043

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
290	251	.085	.095	.473	-.212	290	320	-.484	.102	-.217	-1.073	290	421	-.345	.049	-.162	-.520
290	252	.263	.109	.738	-.009	290	321	-.485	.106	-.224	-1.145	290	422	-.434	.074	-.195	-.726
290	253	.215	.112	.700	-.114	290	322	-.398	.074	-.189	-.711	290	423	-.402	.055	-.215	-.662
290	254	.249	.101	.656	-.005	290	323	-.400	.075	-.117	-.709	290	424	-.367	.052	-.195	-.543
290	255	.244	.098	.702	-.020	290	324	-.417	.071	-.225	-.794	290	425	-.347	.049	-.197	-.534
290	256	.234	.093	.662	-.007	290	325	-.448	.088	-.185	-1.127	290	426	-.340	.048	-.183	-.586
290	257	.256	.094	.729	-.011	290	326	-.476	.089	-.190	-1.052	290	427	-.335	.048	-.178	-.545
290	258	-.031	.066	.256	-.279	290	327	-.515	.111	-.167	-1.050	290	428	-.336	.043	-.175	-.498
290	259	.067	.066	.417	-.094	290	328	-.535	.116	-.178	-1.027	290	429	-.452	.077	-.235	-.763
290	260	.167	.081	.576	-.043	290	329	-.513	.100	-.181	-.999	290	430	-.415	.065	-.168	-.756
290	261	.232	.095	.718	.043	290	330	-.512	.094	-.218	-.896	290	431	-.362	.054	-.180	-.553
290	262	.234	.090	.672	.036	290	331	-.530	.101	-.257	-1.003	290	432	-.342	.047	-.166	-.502
290	263	.240	.095	.723	.025	290	332	-.569	.117	-.257	-1.294	290	433	-.337	.043	-.208	-.500
290	264	.237	.094	.615	.004	290	333	-.563	.114	-.171	-1.203	290	434	-.327	.042	-.175	-.516
290	265	.193	.088	.635	-.034	290	334	-.565	.122	-.232	-1.154	290	435	-.323	.046	-.173	-.500
290	266	.216	.096	.587	-.025	290	335	-.598	.142	-.227	-1.408	290	436	-.416	.068	-.217	-.912
290	267	.258	.090	.718	.052	290	336	-.573	.121	-.294	-1.308	290	437	-.393	.063	-.215	-.682
290	268	.270	.102	.738	.021	290	337	-.576	.117	-.225	-1.208	290	438	-.364	.062	-.166	-.793
290	269	.290	.101	.806	.043	290	338	-.595	.119	-.271	-1.150	290	439	-.325	.042	-.191	-.493
290	270	.280	.110	.907	.043	290	339	-.625	.131	-.171	-1.303	290	440	-.309	.041	-.185	-.443
290	271	.040	.075	.315	-.246	290	340	-.533	.108	-.185	-1.073	290	441	-.296	.038	-.180	-.454
290	272	.136	.081	.541	-.053	290	341	-.411	.091	-.143	-.755	290	442	-.299	.043	-.178	-.532
290	273	.276	.109	.773	.023	290	342	-.405	.080	-.164	-.731	290	443	-.422	.110	-.173	-.998
290	274	.292	.102	.797	.014	290	343	-.548	.139	-.187	-1.373	290	444	-.395	.089	-.191	-.866
290	275	.313	.102	.688	.034	290	344	-.527	.139	-.162	-1.357	290	445	-.378	.091	-.195	-.822
290	276	.300	.107	.948	.082	290	345	-.541	.119	-.144	-1.273	290	446	-.331	.068	-.151	-.678
290	277	.314	.108	.745	.056	290	346	-.509	.108	-.225	-1.122	290	447	-.299	.040	-.164	-.472
290	278	.288	.100	.786	.056	290	347	-.404	.091	-.027	-.852	290	448	-.290	.039	-.187	-.410
290	279	.295	.110	.788	.054	290	348	-.262	.073	-.016	-.514	290	449	-.285	.039	-.175	-.432
290	280	.302	.105	.887	.071	290	349	-.260	.068	-.057	-.627	290	450	-.265	.039	-.155	-.422
290	281	.307	.112	.751	.061	290	401	-.409	.084	-.118	-.929	290	451	-.274	.040	-.143	-.433
290	301	-.427	.063	-.231	-.697	290	402	-.395	.073	-.102	-.666	290	452	-.310	.050	-.156	-.503
290	302	-.429	.055	-.233	-.693	290	403	-.360	.060	-.122	-.622	290	453	-.297	.046	-.164	-.476
290	303	-.449	.064	-.243	-.739	290	404	-.330	.054	-.143	-.585	290	454	-.303	.046	-.142	-.467
290	304	-.450	.077	-.166	-.844	290	405	-.329	.061	-.071	-.591	290	455	-.283	.042	-.153	-.472
290	305	-.461	.095	-.164	-.990	290	406	-.328	.052	-.128	-.545	290	456	-.309	.051	-.147	-.509
290	306	-.473	.115	-.141	-.377	290	407	-.329	.056	-.087	-.595	290	457	-.297	.043	-.178	-.465
290	307	-.481	.133	-.104	-.254	290	408	-.391	.073	-.156	-.772	290	458	-.297	.051	-.122	-.512
290	308	-.405	.054	-.226	-.600	290	409	-.383	.067	-.162	-.621	290	459	-.274	.039	-.156	-.421
290	309	-.409	.056	-.252	-.630	290	410	-.366	.053	-.197	-.607	290	460	-.281	.042	-.122	-.461
290	310	-.412	.063	-.233	-.688	290	411	-.341	.052	-.146	-.529	290	461	-.285	.037	-.150	-.417
290	311	-.431	.078	-.199	-.790	290	412	-.340	.055	-.172	-.529	290	462	-.268	.038	-.157	-.396
290	312	-.441	.076	-.155	-.906	290	413	-.338	.054	-.162	-.552	290	463	-.245	.040	-.099	-.403
290	313	-.469	.116	-.008	-.1089	290	414	-.337	.054	-.133	-.545	290	464	-.246	.043	-.092	-.442
290	314	-.466	.116	-.141	-.201	290	415	-.413	.066	-.204	-.767	290	465	-.273	.041	-.029	-.461
290	315	-.381	.061	-.196	-.639	290	416	-.390	.053	-.211	-.600	290	466	-.273	.044	-.120	-.433
290	316	-.389	.068	-.166	-.704	290	417	-.365	.050	-.190	-.557	290	467	-.275	.039	-.118	-.439
290	317	-.398	.067	-.169	-.929	290	418	-.347	.044	-.217	-.479	290	468	-.267	.037	-.122	-.411
290	318	-.420	.072	-.192	-.888	290	419	-.348	.049	-.181	-.566	290	469	-.304	.048	-.127	-.566
290	319	-.452	.076	-.187	-.864	290	420	-.351	.052	-.192	-.595	290	470	-.289	.044	-.160	-.483

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
290	471	-.291	.042	-.150	-.464	300	121	-.310	.166	-.530	-.803	300	171	-.083	.139	.369	-.667
290	472	-.279	.040	-.116	-.418	300	122	-.323	.038	-.206	-.441	300	201	-.224	.125	.649	-.149
290	473	-.294	.046	-.137	-.451	300	123	-.223	.031	-.103	-.308	300	202	-.249	.118	.741	-.165
290	474	-.287	.039	-.165	-.431	300	124	-.086	.042	-.097	-.237	300	203	-.202	.112	.550	-.214
290	475	-.277	.041	-.158	-.440	300	125	-.014	.058	-.196	-.262	300	204	-.171	.105	.518	-.181
290	476	-.273	.040	-.133	-.460	300	126	-.002	.174	-.374	-.841	300	205	-.126	.114	.528	-.355
290	477	-.280	.040	-.142	-.463	300	127	-.275	.205	.417	-.999	300	206	-.097	.097	.469	-.236
290	478	-.272	.038	-.121	-.408	300	128	-.321	.180	.333	-1.046	300	207	-.020	.093	.307	-.444
290	479	-.259	.039	-.113	-.424	300	129	-.306	.035	-.194	-.480	300	208	.390	.145	.894	-.056
290	480	-.249	.039	-.136	-.410	300	130	-.237	.033	-.043	-.354	300	209	.533	.155	.958	-.059
290	481	-.243	.039	-.113	-.385	300	131	-.102	.041	-.081	-.239	300	210	.552	.156	.921	-.019
290	901	-.423	.091	-.074	-.901	300	132	-.068	.059	.227	-.223	300	211	.543	.156	1.005	-.090
290	902	-.597	.147	-.104	-1.200	300	133	-.018	.155	.329	-.834	300	212	.446	.153	.923	-.008
290	903	-.565	.102	-.233	-1.131	300	134	-.244	.231	.410	-.971	300	213	.255	.124	.781	-.158
290	904	-.572	.108	-.258	-1.198	300	135	-.297	.181	.365	-1.296	300	214	.074	.096	.424	-.313
290	905	-.560	.102	-.265	-1.329	300	136	-.330	.042	-.205	-.485	300	215	.373	.153	1.025	-.050
290	906	-.577	.096	-.304	-1.154	300	137	-.238	.038	-.084	-.383	300	216	.486	.152	.947	-.003
290	907	-.552	.085	-.307	-.949	300	138	-.109	.044	-.063	-.250	300	217	.593	.154	1.056	-.121
290	908	-.543	.080	-.293	-.949	300	139	-.039	.063	.178	-.413	300	218	.571	.154	1.089	-.081
290	909	-.570	.100	-.315	-1.120	300	140	-.037	.134	.286	-.737	300	219	.468	.145	.909	-.043
290	910	-.583	.118	-.037	-1.125	300	141	-.252	.219	.360	-.987	300	220	.269	.120	.732	-.127
290	911	-.451	.084	-.107	-.852	300	142	-.309	.187	.336	-1.023	300	221	.063	.088	.353	-.198
290	912	-.568	.098	-.235	-.959	300	143	-.286	.041	-.164	-.470	300	222	.306	.139	.836	-.130
290	913	-.409	.096	-.024	-.768	300	144	-.223	.033	-.085	-.380	300	223	.433	.133	.890	-.088
290	914	-.465	.101	-.129	-.857	300	145	-.118	.043	.091	-.332	300	224	.514	.157	1.042	-.096
290	915	-.300	.116	-.185	-.691	300	146	-.060	.063	.149	-.443	300	225	.541	.152	1.005	-.125
290	916	-.309	.118	-.128	-.724	300	147	-.072	.129	.237	-.715	300	226	.416	.140	.892	-.050
290	917	-.307	.061	-.122	-.544	300	148	-.241	.192	.350	-.974	300	227	.197	.107	.595	-.121
290	918	-.536	.116	-.256	-1.260	300	149	-.287	.171	.401	-1.179	300	228	.018	.084	.379	-.229
290	919	-.249	.172	-.359	-1.106	300	150	-.246	.037	-.125	-.386	300	229	.271	.132	.690	-.133
300	101	-.318	.049	-.128	-.522	300	151	-.195	.034	-.053	-.355	300	230	.378	.134	.842	-.051
300	102	-.229	.042	-.065	-.400	300	152	-.099	.041	.039	-.314	300	231	.459	.146	.880	-.113
300	103	-.163	.049	-.048	-.321	300	153	-.038	.064	.203	-.400	300	232	.478	.145	.974	-.066
300	104	-.120	.051	-.057	-.400	300	154	-.037	.108	.273	-.668	300	233	.360	.128	.732	-.035
300	105	-.085	.078	-.111	-.542	300	155	-.115	.134	.305	-.949	300	234	.160	.111	.551	-.155
300	106	-.385	.199	-.264	-.897	300	156	-.160	.116	.224	-.722	300	235	-.007	.094	.321	-.325
300	107	-.457	.139	-.066	-1.062	300	157	-.075	.042	.093	-.218	300	236	.195	.135	.699	-.139
300	108	-.335	.041	-.213	-.486	300	158	-.050	.051	.131	-.256	300	237	.268	.129	.795	-.055
300	109	-.216	.036	-.067	-.348	300	159	-.013	.069	.215	-.296	300	238	.343	.133	.918	-.048
300	110	-.074	.052	-.124	-.240	300	160	-.023	.076	.221	-.380	300	239	.357	.128	.748	-.028
300	111	-.005	.067	-.320	-.382	300	161	-.212	.032	-.094	-.321	300	240	.285	.118	.746	-.013
300	112	-.035	.134	-.323	-.688	300	162	-.134	.034	-.003	-.244	300	241	.090	.101	.495	-.207
300	113	-.334	.213	-.557	-1.044	300	163	-.066	.045	.111	-.188	300	242	-.072	.088	.281	-.318
300	114	-.332	.169	-.476	-1.154	300	164	-.035	.050	.181	-.213	300	243	.129	.103	.651	-.142
300	115	-.333	.039	-.209	-.492	300	165	-.009	.053	.201	-.218	300	244	-.072	.093	.338	-.341
300	116	-.237	.035	-.096	-.364	300	166	-.003	.062	.252	-.171	300	245	.102	.103	.581	-.208
300	117	-.073	.049	-.118	-.224	300	167	-.020	.065	.333	-.165	300	246	.162	.108	.638	-.095
300	118	-.027	.057	-.244	-.299	300	168	-.040	.087	.471	-.271	300	247	.237	.110	.660	-.004
300	119	-.037	.162	-.359	-.771	300	169	-.041	.096	.313	-.480	300	248	.253	.103	.692	-.018
300	120	-.270	.199	-.408	-.938	300	170	-.064	.147	.405	-.645	300	249	.216	.095	.680	-.007

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
300	250	.184	.101	.656	-.102	300	319	-.459	.057	-.289	-.665	300	420	-.370	.048	-.174	-.576
300	251	.044	.091	.432	-.273	300	320	-.478	.069	-.298	-.868	300	421	-.373	.046	-.227	-.566
300	252	.185	.098	.638	-.090	300	321	-.475	.068	-.291	-.755	300	422	-.443	.058	-.254	-.653
300	253	.232	.120	.764	-.072	300	322	-.394	.056	-.222	-.692	300	423	-.417	.047	-.218	-.626
300	254	.217	.092	.703	-.023	300	323	-.398	.056	-.226	-.642	300	424	-.387	.049	-.243	-.582
300	255	.233	.095	.570	.016	300	324	-.416	.053	-.265	-.632	300	425	-.369	.045	-.234	-.537
300	256	.231	.097	.707	.029	300	325	-.433	.057	-.269	-.628	300	426	-.365	.046	-.199	-.632
300	257	.248	.089	.635	-.043	300	326	-.473	.064	-.288	-.695	300	427	-.359	.044	-.231	-.523
300	258	.063	.082	.372	-.162	300	327	-.493	.078	-.272	-.861	300	428	-.361	.040	-.227	-.479
300	259	.115	.077	.568	-.102	300	328	-.520	.060	-.288	-.928	300	429	-.438	.058	-.241	-.626
300	260	.186	.086	.628	-.017	300	329	-.491	.086	-.221	-.836	300	430	-.419	.052	-.245	-.626
300	261	.218	.090	.588	-.010	300	330	-.489	.093	-.249	-.864	300	431	-.372	.045	-.236	-.532
300	262	.245	.099	.668	.021	300	331	-.516	.095	-.269	-1.021	300	432	-.374	.046	-.218	-.520
300	263	.230	.087	.648	.008	300	332	-.543	.097	-.299	-1.241	300	433	-.366	.041	-.222	-.516
300	264	.243	.101	.719	.019	300	333	-.546	.082	-.325	-1.123	300	434	-.353	.043	-.232	-.504
300	265	.211	.086	.582	-.008	300	334	-.526	.085	-.262	-.933	300	435	-.351	.041	-.222	-.502
300	266	.250	.096	.799	.032	300	335	-.558	.110	-.276	-1.035	300	436	-.419	.062	-.252	-.688
300	267	.246	.089	.743	.045	300	336	-.570	.099	-.281	-1.037	300	437	-.413	.054	-.268	-.621
300	268	.250	.095	.686	.032	300	337	-.584	.100	-.311	-1.058	300	438	-.378	.053	-.193	-.587
300	269	.271	.101	.759	.041	300	338	-.604	.111	-.341	-1.187	300	439	-.357	.041	-.238	-.500
300	270	.291	.115	.892	-.030	300	339	-.619	.115	-.286	-1.079	300	440	-.340	.039	-.222	-.495
300	271	.118	.094	.595	-.141	300	340	-.552	.098	-.253	-.935	300	441	-.335	.039	-.211	-.470
300	272	.176	.090	.535	-.036	300	341	-.441	.080	-.216	-.815	300	442	-.329	.040	-.161	-.518
300	273	.288	.109	.777	.041	300	342	-.414	.072	-.200	-.757	300	443	-.509	.110	-.231	-.946
300	274	.304	.116	.814	.043	300	343	-.542	.109	-.156	-1.093	300	444	-.445	.085	-.229	-.801
300	275	.266	.101	.774	.063	300	344	-.519	.110	-.133	-.971	300	445	-.456	.096	-.220	-.998
300	276	.318	.114	.796	.063	300	345	-.531	.108	-.253	-1.040	300	446	-.410	.074	-.202	-.774
300	277	.290	.100	.772	.057	300	346	-.536	.092	-.297	-1.014	300	447	-.363	.047	-.211	-.542
300	278	.289	.102	.730	.050	300	347	-.451	.081	-.189	-.848	300	448	-.347	.039	-.236	-.493
300	279	.286	.114	.852	.059	300	348	-.321	.081	-.012	-.595	300	449	-.323	.035	-.220	-.443
300	280	.279	.100	.686	.070	300	349	-.317	.071	-.055	-.624	300	450	-.309	.041	-.193	-.456
300	281	.311	.107	.748	.054	300	401	-.423	.067	-.200	-.887	300	451	-.305	.041	-.146	-.482
300	301	-.442	.058	-.270	-.729	300	402	-.406	.060	-.218	-.663	300	452	-.358	.048	-.215	-.533
300	302	-.443	.057	-.256	-.635	300	403	-.377	.055	-.202	-.588	300	453	-.369	.057	-.211	-.571
300	303	-.461	.059	-.245	-.706	300	404	-.362	.053	-.207	-.563	300	454	-.367	.051	-.207	-.560
300	304	-.458	.065	-.224	-.882	300	405	-.371	.062	-.156	-.623	300	455	-.343	.044	-.195	-.537
300	305	-.477	.069	-.243	-.764	300	406	-.371	.053	-.202	-.585	300	456	-.370	.062	-.195	-.627
300	306	-.484	.087	-.213	-.905	300	407	-.370	.058	-.120	-.564	300	457	-.368	.046	-.242	-.522
300	307	-.486	.101	-.217	-1.045	300	408	-.408	.059	-.206	-.623	300	458	-.374	.051	-.186	-.571
300	308	-.421	.051	-.259	-.586	300	409	-.411	.055	-.227	-.614	300	459	-.332	.042	-.202	-.524
300	309	-.422	.050	-.256	-.616	300	410	-.384	.047	-.240	-.610	300	460	-.338	.045	-.203	-.529
300	310	-.435	.054	-.245	-.637	300	411	-.369	.050	-.197	-.534	300	461	-.330	.042	-.208	-.503
300	311	-.433	.055	-.238	-.605	300	412	-.368	.051	-.193	-.598	300	462	-.305	.040	-.196	-.471
300	312	-.450	.062	-.256	-.778	300	413	-.367	.054	-.170	-.569	300	463	-.283	.041	-.155	-.492
300	313	-.469	.086	-.208	-1.098	300	414	-.373	.052	-.213	-.560	300	464	-.277	.043	-.146	-.506
300	314	-.479	.083	-.226	-1.073	300	415	-.418	.050	-.245	-.610	300	465	-.218	.044	-.118	-.510
300	315	-.405	.054	-.238	-.628	300	416	-.405	.047	-.254	-.601	300	466	-.331	.043	-.206	-.545
300	316	-.407	.056	-.229	-.609	300	417	-.383	.045	-.238	-.560	300	467	-.323	.042	-.191	-.491
300	317	-.420	.054	-.256	-.711	300	418	-.377	.046	-.213	-.582	300	468	-.302	.040	-.191	-.452
300	318	-.436	.053	-.256	-.632	300	419	-.370	.048	-.234	-.548	300	469	-.369	.052	-.225	-.598

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
300	470	-.360	.047	-.237	-.535	310	120	.189	.229	.694	-.639	310	170	.109	.118	.569	-.467
300	471	-.356	.046	-.228	-.619	310	121	.081	.202	.744	-.687	310	171	.105	.126	.572	-.467
300	472	-.329	.045	-.200	-.496	310	122	-.311	.037	-.176	-.420	310	201	.295	.128	.676	-.087
300	473	-.361	.052	-.218	-.576	310	123	-.179	.040	-.011	-.330	310	202	.262	.123	.692	-.168
300	474	-.342	.046	-.204	-.512	310	124	.007	.063	.264	-.145	310	203	.168	.106	.502	-.186
300	475	-.335	.043	-.213	-.519	310	125	.124	.082	.452	-.102	310	204	.126	.107	.454	-.279
300	476	-.330	.041	-.215	-.500	310	126	.218	.111	.633	-.476	310	205	.053	.106	.335	-.324
300	477	-.329	.043	-.215	-.614	310	127	.141	.228	.750	-.772	310	206	-.005	.086	.323	-.295
300	478	-.308	.042	-.147	-.491	310	128	.074	.209	.651	-.491	310	207	-.124	.081	.226	-.424
300	479	-.295	.042	-.179	-.486	310	129	-.301	.038	-.154	-.428	310	208	.533	.163	1.026	.079
300	480	-.280	.041	-.167	-.486	310	130	-.197	.038	-.048	-.315	310	209	.539	.164	1.077	.036
300	481	-.274	.041	-.147	-.520	310	131	-.023	.059	.201	-.175	310	210	.537	.145	.982	.132
300	901	-.447	.081	-.142	-.816	310	132	.099	.076	.379	-.096	310	211	.459	.140	.928	.023
300	902	-.613	.126	-.197	-1.139	310	133	.169	.102	.597	-.367	310	212	.363	.131	.819	-.106
300	903	-.571	.100	-.287	-1.231	310	134	.090	.224	.653	-.582	310	213	.161	.108	.635	-.230
300	904	-.539	.101	-.135	-.963	310	135	.026	.220	.852	-.688	310	214	-.034	.080	.228	-.288
300	905	-.569	.096	-.296	-1.112	310	136	-.343	.047	-.186	-.500	310	215	.544	.157	1.048	.063
300	906	-.587	.097	-.273	-1.006	310	137	-.221	.045	-.041	-.367	310	216	.570	.157	1.057	.181
300	907	-.566	.089	-.316	-1.047	310	138	-.057	.052	.232	-.222	310	217	.573	.156	1.071	.137
300	908	-.563	.078	-.353	-1.022	310	139	.053	.069	.309	-.141	310	218	.516	.146	1.186	.105
300	909	-.617	.096	-.186	-1.112	310	140	.102	.095	.502	-.573	310	219	.369	.131	.777	.008
300	910	-.591	.107	-.198	-1.168	310	141	.052	.195	.526	-.700	310	220	.144	.092	.461	-.148
300	911	-.440	.087	-.139	-.788	310	142	-.002	.211	.667	-.781	310	221	-.034	.075	.261	-.250
300	912	-.567	.100	-.209	-.962	310	143	-.295	.045	-.154	-.479	310	222	.462	.151	.937	.010
300	913	-.359	.095	-.005	-.658	310	144	-.202	.037	-.045	-.357	310	223	.513	.145	1.004	.159
300	914	-.450	.092	-.162	-.848	310	145	-.061	.050	.183	-.210	310	224	.535	.154	1.071	.121
300	915	-.283	.133	-.178	-.727	310	146	.025	.066	.292	-.194	310	225	.483	.147	.895	.092
300	916	-.424	.085	-.095	-.797	310	147	.077	.084	.357	-.253	310	226	.341	.124	.786	.023
300	917	-.365	.067	-.181	-.717	310	148	.030	.189	.554	-.730	310	227	.113	.096	.455	-.175
300	918	-.553	.110	-.280	-1.467	310	149	-.079	.187	.590	-.784	310	228	-.070	.067	.161	-.259
300	919	-.257	.189	-.488	-.981	310	150	-.257	.045	-.099	-.452	310	229	.387	.151	.881	.011
310	101	-.316	.050	-.136	-.499	310	151	-.176	.038	-.025	-.314	310	230	.434	.148	.914	.060
310	102	-.200	.049	-.004	-.411	310	152	-.048	.044	.165	-.192	310	231	.463	.153	.946	.116
310	103	-.108	.063	.104	-.332	310	153	.026	.067	.321	-.192	310	232	.396	.134	.838	.004
310	104	-.040	.070	.219	-.269	310	154	.061	.077	.425	-.328	310	233	.283	.114	.674	-.003
310	105	.022	.081	.323	-.287	310	155	.024	.113	.463	-.407	310	234	.093	.084	.376	-.124
310	106	.082	.157	.488	-.626	310	156	.011	.117	.459	-.515	310	235	-.070	.074	.212	-.321
310	107	-.073	.209	.576	-.743	310	157	-.004	.056	.242	-.165	310	236	.324	.142	.802	-.050
310	108	-.331	.041	-.203	-.472	310	158	.024	.061	.310	-.197	310	237	.354	.131	.825	.033
310	109	-.171	.046	.000	-.337	310	159	.058	.071	.438	-.190	310	238	.381	.133	.829	.058
310	110	.019	.072	.325	-.203	310	160	.083	.070	.332	-.206	310	239	.319	.121	.704	.024
310	111	.127	.087	.386	-.129	310	161	-.208	.038	-.079	-.337	310	240	.228	.112	.670	-.097
310	112	.207	.105	.570	-.059	310	162	-.109	.041	.062	-.217	310	241	.045	.088	.345	-.214
310	113	.152	.238	.710	-.723	310	163	-.003	.063	.233	-.183	310	242	-.116	.078	.170	-.393
310	114	.071	.223	.748	-.944	310	164	.032	.070	.303	-.176	310	243	.101	.093	.513	-.159
310	115	-.318	.040	-.151	-.454	310	165	.059	.066	.346	-.140	310	244	-.109	.082	.228	-.374
310	116	-.179	.044	-.013	-.359	310	166	.084	.072	.350	-.087	310	245	.201	.114	.875	-.100
310	117	.018	.069	.276	-.174	310	167	.117	.077	.452	-.130	310	246	.226	.114	.798	-.041
310	118	.151	.081	.466	-.242	310	168	.138	.084	.454	-.218	310	247	.247	.109	.669	-.007
310	119	.251	.103	.594	-.201	310	169	.150	.094	.533	-.247	310	248	.225	.097	.626	-.012

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
310	249	.196	.097	.660	-.019	310	318	-.445	.044	-.275	-.619	310	419	-.402	.049	-.253	-.583
310	250	.136	.097	.612	-.100	310	319	-.461	.050	-.310	-.680	310	420	-.388	.045	-.234	-.574
310	251	.016	.086	.393	-.218	310	320	-.480	.067	-.300	-.799	310	421	-.390	.048	-.248	-.537
310	252	.197	.100	.490	-.163	310	321	-.492	.072	-.314	-.863	310	422	-.433	.056	-.227	-.637
310	253	.237	.138	.746	-.143	310	322	-.418	.050	-.275	-.596	310	423	-.418	.047	-.278	-.583
310	254	.220	.100	.621	-.032	310	323	-.419	.048	-.228	-.570	310	424	-.400	.050	-.209	-.590
310	255	.217	.101	.655	.006	310	324	-.431	.049	-.264	-.640	310	425	-.392	.046	-.198	-.549
310	256	.229	.098	.635	.002	310	325	-.435	.049	-.276	-.612	310	426	-.386	.043	-.248	-.567
310	257	.301	.105	.778	.076	310	326	-.457	.052	-.295	-.666	310	427	-.384	.046	-.239	-.556
310	258	.143	.093	.529	-.105	310	327	-.494	.068	-.316	-.785	310	428	-.384	.044	-.214	-.535
310	259	.165	.089	.637	-.039	310	328	-.499	.074	-.313	-.849	310	429	-.434	.054	-.254	-.603
310	260	.226	.094	.617	.001	310	329	-.415	.062	-.208	-.651	310	430	-.415	.048	-.231	-.570
310	261	.235	.099	.793	-.004	310	330	-.432	.068	-.231	-.703	310	431	-.403	.050	-.238	-.573
310	262	.245	.100	.813	.025	310	331	-.451	.068	-.231	-.757	310	432	-.382	.044	-.256	-.549
310	263	.253	.103	.724	.032	310	332	-.472	.057	-.285	-.832	310	433	-.381	.046	-.245	-.538
310	264	.262	.103	.657	.010	310	333	-.484	.062	-.299	-.771	310	434	-.375	.045	-.242	-.512
310	265	.254	.099	.650	.001	310	334	-.507	.082	-.276	-.907	310	435	-.372	.042	-.245	-.512
310	266	.272	.100	.646	.012	310	335	-.516	.084	-.309	-.842	310	436	-.427	.060	-.249	-.661
310	267	.261	.106	.750	.030	310	336	-.534	.098	-.245	-.947	310	437	-.415	.051	-.247	-.582
310	268	.265	.107	.679	.034	310	337	-.540	.101	-.189	-.1029	310	438	-.407	.048	-.256	-.614
310	269	.290	.115	.804	.001	310	338	-.594	.124	-.342	-.1485	310	439	-.386	.046	-.247	-.570
310	270	.290	.112	.737	.032	310	339	-.610	.111	-.327	-.1227	310	440	-.385	.043	-.231	-.563
310	271	.174	.088	.608	.077	310	340	-.536	.085	-.313	-.1072	310	441	-.376	.045	-.228	-.570
310	272	.213	.100	.733	.006	310	341	-.462	.076	-.234	-.731	310	442	-.372	.043	-.231	-.507
310	273	.294	.121	.844	.012	310	342	-.457	.085	-.226	-.823	310	443	-.485	.087	-.238	-.936
310	274	.331	.122	.902	.072	310	343	-.479	.095	-.195	-.853	310	444	-.453	.083	-.265	-.835
310	275	.299	.109	.766	.052	310	344	-.466	.092	-.171	-.978	310	445	-.460	.087	-.281	-.1014
310	276	.310	.123	.759	.045	310	345	-.484	.079	-.259	-.967	310	446	-.441	.076	-.225	-.801
310	277	.314	.123	.822	.041	310	346	-.518	.077	-.332	-.870	310	447	-.405	.052	-.265	-.631
310	278	.281	.112	.804	.048	310	347	-.490	.082	-.265	-.1180	310	448	-.386	.047	-.241	-.584
310	279	.267	.110	.706	.019	310	348	-.415	.078	-.151	-.676	310	449	-.357	.043	-.247	-.535
310	280	.314	.112	.839	.065	310	349	-.407	.080	-.072	-.707	310	450	-.343	.047	-.203	-.524
310	281	.307	.115	.866	.052	310	401	-.429	.060	-.224	-.712	310	451	-.336	.048	-.181	-.507
310	301	-.458	.058	-.253	-.661	310	402	-.416	.054	-.236	-.604	310	452	-.432	.063	-.250	-.687
310	302	-.447	.056	-.244	-.673	310	403	-.401	.054	-.229	-.609	310	453	-.423	.065	-.243	-.743
310	303	-.468	.056	-.253	-.708	310	404	-.411	.060	-.212	-.642	310	454	-.432	.063	-.225	-.658
310	304	-.480	.061	-.174	-.687	310	405	-.430	.071	-.165	-.690	310	455	-.388	.050	-.241	-.564
310	305	-.463	.068	-.197	-.741	310	406	-.405	.056	-.172	-.583	310	456	-.435	.064	-.243	-.716
310	306	-.469	.076	-.258	-.776	310	407	-.407	.060	-.202	-.641	310	457	-.429	.060	-.263	-.656
310	307	-.487	.090	-.218	-.615	310	408	-.436	.057	-.267	-.738	310	458	-.429	.064	-.247	-.662
310	308	-.431	.050	-.260	-.598	310	409	-.415	.055	-.250	-.678	310	459	-.378	.049	-.238	-.604
310	309	-.436	.049	-.279	-.598	310	410	-.410	.052	-.232	-.611	310	460	-.391	.050	-.228	-.579
310	310	-.441	.053	-.286	-.610	310	411	-.403	.054	-.232	-.609	310	461	-.374	.047	-.228	-.542
310	311	-.453	.054	-.265	-.642	310	412	-.396	.053	-.209	-.586	310	462	-.348	.046	-.211	-.511
310	312	-.456	.057	-.275	-.703	310	413	-.405	.054	-.223	-.597	310	463	-.313	.048	-.164	-.504
310	313	-.484	.076	-.263	-.872	310	414	-.403	.054	-.234	-.593	310	464	-.306	.056	-.103	-.556
310	314	-.491	.081	-.253	-.959	310	415	-.437	.052	-.202	-.614	310	465	-.375	.049	-.237	-.549
310	315	-.427	.051	-.237	-.631	310	416	-.426	.049	-.195	-.579	310	466	-.376	.050	-.235	-.605
310	316	-.416	.052	-.246	-.596	310	417	-.417	.047	-.260	-.577	310	467	-.367	.045	-.243	-.534
310	317	-.422	.048	-.265	-.593	310	418	-.412	.048	-.230	-.586	310	468	-.337	.044	-.189	-.482

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
310	469	- .442	.063	- .273	- .661	320	119	.412	.132	.843	.051	320	169	.236	.100	.651	.016
310	470	- .416	.058	- .224	- .633	320	120	.464	.163	.960	- .289	320	170	.221	.106	.669	- .198
310	471	- .410	.062	- .245	- .668	320	121	.445	.187	.924	- .258	320	171	.185	.120	.648	- .282
310	472	- .394	.052	- .245	- .586	320	122	- .291	.043	- .134	- .444	320	201	.268	.139	.718	- .158
310	473	- .418	.057	- .278	- .630	320	123	- .120	.050	.064	- .276	320	202	.196	.124	.592	- .216
310	474	- .394	.054	- .255	- .625	320	124	- .102	.082	.450	- .097	320	203	.089	.104	.423	- .300
310	475	- .388	.050	- .239	- .565	320	125	.248	.094	.558	- .066	320	204	.048	.093	.360	- .279
310	476	- .371	.049	- .223	- .567	320	126	.377	.123	.838	- .009	320	205	- .023	.087	.260	- .316
310	477	- .366	.053	- .234	- .577	320	127	.434	.159	.923	- .183	320	206	- .087	.069	.167	- .347
310	478	- .355	.048	- .218	- .618	320	128	.413	.191	.896	- .282	320	207	- .201	.061	.092	- .442
310	479	- .340	.048	- .212	- .547	320	129	- .276	.042	- .102	- .415	320	208	.544	.172	.086	- .136
310	480	- .318	.047	- .172	- .491	320	130	- .143	.053	.106	- .325	320	209	.528	.161	.013	- .039
310	481	- .318	.050	- .172	- .498	320	131	.076	.079	.389	- .138	320	210	.444	.145	.904	.048
310	901	- .488	.083	- .186	- .854	320	132	.215	.101	.567	- .036	320	211	.344	.139	.884	- .092
310	902	- .601	.110	- .282	- 1.029	320	133	.297	.114	.693	- .007	320	212	.238	.112	.621	- .149
310	903	- .619	.112	- .317	- 1.173	320	134	.374	.151	.932	- .221	320	213	.042	.088	.349	- .256
310	904	- .532	.099	- .172	- .898	320	135	.358	.172	.856	- .243	320	214	- .133	.063	.105	- .342
310	905	- .603	.114	- .310	- 1.054	320	136	- .333	.052	- .138	- .491	320	215	.585	.166	1.121	.087
310	906	- .617	.111	- .205	- 1.045	320	137	- .173	.053	.058	- .343	320	216	.565	.169	1.066	- .085
310	907	- .599	.094	- .345	- .977	320	138	.051	.075	.380	- .151	320	217	.498	.145	.977	.107
310	908	- .581	.081	- .291	- .912	320	139	.166	.094	.570	- .050	320	218	.409	.131	.924	.041
310	909	- .607	.099	- .324	- 1.129	320	140	.247	.112	.624	- .011	320	219	.258	.109	.676	- .041
310	910	- .574	.103	- .189	- 1.026	320	141	.301	.147	.759	- .309	320	220	.031	.077	.373	- .198
310	911	- .345	.096	- .019	- .772	320	142	- .275	.169	.757	- .417	320	221	- .128	.060	.141	- .327
310	912	- .540	.097	- .158	- .882	320	143	- .285	.049	- .093	- .456	320	222	.541	.164	1.059	- .167
310	913	- .302	.104	- .026	- .824	320	144	- .178	.042	.017	- .343	320	223	.535	.142	.924	.130
310	914	- .467	.093	- .137	- .826	320	145	- .004	.062	.321	- .183	320	224	.470	.140	1.015	.110
310	915	- .395	.112	- .073	- .842	320	146	.108	.075	.467	- .080	320	225	.377	.137	.946	.048
310	916	- .501	.089	- .200	- .860	320	147	.173	.093	.638	- .073	320	226	.234	.105	.648	- .054
310	917	- .429	.070	- .203	- .787	320	148	.171	.148	.688	- .546	320	227	.019	.077	.300	- .207
310	918	- .516	.087	- .224	- 1.052	320	149	.135	.156	.690	- .501	320	228	- .140	.054	.048	- .334
310	919	- .205	.178	- .447	- .833	320	150	- .259	.050	- .048	- .426	320	229	.455	.140	.953	.066
320	101	- .298	.053	- .089	- .489	320	151	- .150	.044	.024	- .314	320	230	.492	.149	.957	.099
320	102	- .150	.061	- .082	- .343	320	152	.017	.060	.319	- .154	320	231	.423	.138	.946	.090
320	103	- .041	.073	- .267	- .291	320	153	.116	.073	.393	- .098	320	232	.328	.120	.814	- .008
320	104	- .042	.091	- .397	- .213	320	154	.161	.079	.537	- .055	320	233	.206	.101	.635	- .053
320	105	- .124	.097	- .474	- .168	320	155	.134	.101	.503	- .399	320	234	.002	.074	.271	- .207
320	106	- .249	.133	- .667	- .498	320	156	.123	.098	.517	- .217	320	235	- .130	.057	.115	- .341
320	107	- .293	.170	- .757	- .514	320	157	.051	.061	.276	- .093	320	236	.371	.146	.841	- .028
320	108	- .308	.046	- .136	- .456	320	158	.097	.063	.339	- .093	320	237	.357	.133	.814	.052
320	109	- .098	.059	- .134	- .280	320	159	.126	.074	.460	- .064	320	238	.360	.128	.823	.043
320	110	- .123	.097	- .431	- .136	320	160	.165	.081	.440	- .078	320	239	.278	.111	.678	.016
320	111	- .245	.111	- .679	- .100	320	161	- .195	.051	- .003	- .354	320	240	.174	.096	.508	- .062
320	112	- .350	.125	- .769	- .019	320	162	- .063	.054	.233	- .232	320	241	- .015	.072	.271	- .214
320	113	- .444	.157	- .969	- .552	320	163	.053	.078	.404	- .120	320	242	- .157	.060	.088	- .370
320	114	- .462	.187	- 1.012	- .276	320	164	.097	.075	.483	- .102	320	243	- .041	.071	.403	- .156
320	115	- .299	.044	- .138	- .487	320	165	.156	.081	.469	- .064	320	244	- .140	.065	.142	- .331
320	116	- .115	.059	- .112	- .327	320	166	.153	.088	.520	- .093	320	245	.281	.116	.660	- .126
320	117	- .137	.087	- .465	- .154	320	167	.182	.094	.583	- .050	320	246	.267	.127	.977	- .043
320	118	- .300	.106	- .649	- .017	320	168	.209	.106	.637	- .149	320	247	.276	.119	.662	.007

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
320	248	.236	.097	.671	.013	320	317	-.431	.047	-.289	-.574	320	418	-.445	.047	-.304	-.597
320	249	.201	.091	.570	.002	320	318	-.445	.046	-.291	-.639	320	419	-.426	.047	-.282	-.588
320	250	.126	.085	.439	-.070	320	319	-.456	.050	-.298	-.646	320	420	-.424	.052	-.263	-.590
320	251	-.032	.067	.272	-.212	320	320	-.471	.059	-.275	-.882	320	421	-.419	.052	-.250	-.588
320	252	.178	.091	.610	.079	320	321	-.469	.068	-.280	-.750	320	422	-.421	.056	-.208	-.611
320	253	.241	.123	.702	.108	320	322	-.412	.051	-.243	-.604	320	423	-.419	.050	-.236	-.602
320	254	.223	.099	.565	-.027	320	323	-.413	.049	-.250	-.567	320	424	-.424	.055	-.142	-.634
320	255	.217	.093	.572	-.009	320	324	-.422	.047	-.269	-.598	320	425	-.408	.047	-.208	-.534
320	256	.273	.105	.725	.013	320	325	-.427	.049	-.234	-.587	320	426	-.411	.049	-.245	-.570
320	257	.292	.104	.842	.061	320	326	-.443	.048	-.269	-.610	320	427	-.409	.048	-.266	-.615
320	258	.203	.096	.624	-.025	320	327	-.455	.064	-.239	-.749	320	428	-.404	.048	-.242	-.630
320	259	.239	.095	.702	.031	320	328	-.456	.072	-.241	-.819	320	429	-.410	.056	-.207	-.591
320	260	.239	.103	.679	.037	320	329	-.404	.057	-.215	-.598	320	430	-.410	.053	-.239	-.570
320	261	.252	.103	.668	.014	320	330	-.414	.055	-.211	-.636	320	431	-.405	.051	-.242	-.566
320	262	.250	.101	.818	.030	320	331	-.428	.049	-.248	-.601	320	432	-.406	.048	-.276	-.607
320	263	.272	.108	.749	.048	320	332	-.443	.056	-.301	-.694	320	433	-.393	.047	-.251	-.593
320	264	.274	.096	.723	.045	320	333	-.461	.051	-.320	-.670	320	434	-.395	.048	-.264	-.577
320	265	.258	.104	.679	.039	320	334	-.459	.066	-.211	-.745	320	435	-.390	.047	-.232	-.563
320	266	.249	.093	.683	.059	320	335	-.466	.077	-.232	-.770	320	436	-.426	.063	-.228	-.789
320	267	.260	.100	.805	.032	320	336	-.452	.066	-.236	-.714	320	437	-.427	.051	-.246	-.644
320	268	.278	.094	.899	.063	320	337	-.461	.071	-.239	-.793	320	438	-.414	.052	-.255	-.626
320	269	.285	.121	.955	.065	320	338	-.479	.078	-.269	-.977	320	439	-.408	.049	-.260	-.570
320	270	.315	.121	.800	.048	320	339	-.521	.083	-.283	-.923	320	440	-.399	.047	-.285	-.547
320	271	.253	.095	.674	.021	320	340	-.483	.069	-.311	-.798	320	441	-.404	.050	-.255	-.584
320	272	.267	.107	.699	.017	320	341	-.451	.064	-.255	-.684	320	442	-.393	.048	-.200	-.552
320	273	.321	.119	.829	.056	320	342	-.460	.078	-.243	-.749	320	443	-.453	.070	-.261	-.808
320	274	.301	.122	.865	.059	320	343	-.441	.074	-.121	-.747	320	444	-.439	.070	-.176	-.848
320	275	.297	.109	.734	.070	320	344	-.428	.078	-.167	-.808	320	445	-.455	.070	-.270	-.842
320	276	.306	.111	.721	.054	320	345	-.443	.073	-.232	-.745	320	446	-.428	.072	-.243	-.826
320	277	.319	.123	.730	.056	320	346	-.471	.074	-.253	-.828	320	447	-.431	.059	-.254	-.654
320	278	.290	.108	.796	.065	320	347	-.478	.072	-.281	-.842	320	448	-.415	.055	-.267	-.748
320	279	.295	.110	.749	.063	320	348	-.442	.062	-.214	-.694	320	449	-.384	.048	-.229	-.562
320	280	.287	.101	.811	.076	320	349	-.429	.069	-.178	-.795	320	450	-.360	.052	-.200	-.529
320	281	.315	.117	.776	.032	320	401	-.447	.065	-.234	-.712	320	451	-.363	.050	-.215	-.546
320	301	-.447	.058	-.234	-.646	320	402	-.431	.060	-.188	-.661	320	452	-.454	.059	-.274	-.672
320	302	-.441	.058	-.247	-.629	320	403	-.437	.060	-.213	-.691	320	453	-.441	.059	-.267	-.685
320	303	-.471	.056	-.264	-.673	320	404	-.461	.064	-.253	-.666	320	454	-.449	.065	-.285	-.745
320	304	-.471	.064	-.247	-.731	320	405	-.466	.069	-.185	-.707	320	455	-.418	.057	-.252	-.632
320	305	-.455	.063	-.217	-.710	320	406	-.436	.059	-.252	-.634	320	456	-.473	.077	-.261	-.750
320	306	-.451	.068	-.259	-.856	320	407	-.442	.058	-.213	-.691	320	457	-.445	.066	-.272	-.696
320	307	-.454	.076	-.245	-.965	320	408	-.453	.060	-.259	-.718	320	458	-.452	.072	-.243	-.728
320	308	-.432	.050	-.285	-.623	320	409	-.445	.055	-.250	-.657	320	459	-.417	.054	-.241	-.614
320	309	-.441	.054	-.264	-.627	320	410	-.435	.051	-.272	-.592	320	460	-.416	.057	-.250	-.634
320	310	-.451	.054	-.282	-.669	320	411	-.435	.058	-.252	-.643	320	461	-.395	.055	-.227	-.602
320	311	-.460	.057	-.287	-.669	320	412	-.428	.056	-.236	-.670	320	462	-.377	.056	-.192	-.602
320	312	-.456	.054	-.280	-.632	320	413	-.439	.059	-.263	-.663	320	463	-.349	.060	-.164	-.585
320	313	-.464	.063	-.252	-.808	320	414	-.435	.057	-.199	-.622	320	464	-.332	.065	-.122	-.558
320	314	-.476	.067	-.282	-.764	320	415	-.456	.053	-.293	-.657	320	465	-.401	.061	-.220	-.636
320	315	-.422	.049	-.287	-.585	320	416	-.444	.052	-.259	-.595	320	466	-.384	.055	-.220	-.562
320	316	-.429	.051	-.261	-.599	320	417	-.439	.051	-.288	-.613	320	467	-.389	.052	-.239	-.573

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
320	468	368	.055	188	584	330	118	418	.124	.838	.046	330	168	.292	.118	.823	.025
320	469	466	.072	278	805	330	119	.522	.152	.974	.119	330	169	.269	.112	.714	.021
320	470	446	.066	239	714	330	120	.575	.166	1.024	.087	330	170	.256	.122	.857	.063
320	471	433	.063	211	666	330	121	.593	.166	1.148	.033	330	171	.254	.112	.717	.143
320	472	420	.064	246	629	330	122	248	.050	.015	395	330	201	.150	.149	.526	.587
320	473	439	.065	277	679	330	123	.034	.067	.220	212	330	202	.099	.106	.445	.344
320	474	415	.060	238	629	330	124	.205	.095	.581	.020	330	203	.011	.093	.363	.324
320	475	411	.059	243	746	330	125	.380	.125	.741	.025	330	204	.039	.078	.265	.283
320	476	396	.057	234	675	330	126	.469	.148	1.027	.091	330	205	.104	.081	.211	.359
320	477	384	.058	149	634	330	127	.558	.141	1.007	.184	330	206	.171	.060	.048	.402
320	478	383	.061	165	597	330	128	.521	.146	.977	.102	330	207	.267	.057	.054	.535
320	479	372	.056	202	612	330	129	.228	.049	.022	381	330	208	.424	.196	.988	.388
320	480	355	.057	175	570	330	130	.070	.068	.200	265	330	209	.403	.155	.810	.446
320	481	359	.060	117	586	330	131	.183	.098	.533	.084	330	210	.323	.116	.805	.072
320	901	546	.085	173	938	330	132	.315	.113	.701	.004	330	211	.237	.113	.634	.139
320	902	612	.105	267	1.007	330	133	.403	.153	.911	.000	330	212	.117	.095	.442	.197
320	903	638	.122	304	1.281	330	134	.445	.150	.950	.005	330	213	.066	.072	.269	.371
320	904	610	.110	255	1.058	330	135	.459	.155	.980	.013	330	214	.212	.054	.004	.402
320	905	641	.123	356	1.426	330	136	.309	.058	.045	503	330	215	.412	.224	1.048	.342
320	906	628	.123	205	1.258	330	137	.116	.072	.315	399	330	216	.448	.173	.071	.446
320	907	615	.103	248	1.049	330	138	.114	.097	.524	183	330	217	.402	.131	.819	.110
320	908	587	.085	297	1.214	330	139	.229	.108	.673	.022	330	218	.278	.114	.732	.045
320	909	614	.101	274	1.069	330	140	.308	.117	.746	.025	330	219	.139	.089	.462	.141
320	910	529	.119	109	906	330	141	.370	.131	.853	.032	330	220	.067	.062	.206	.290
320	911	350	.091	.022	.766	330	142	.378	.147	.889	.217	330	221	.204	.048	.003	.362
320	912	517	.093	187	933	330	143	.276	.059	.035	476	330	222	.422	.191	.964	.284
320	913	354	.108	.013	.707	330	144	.142	.051	.098	.311	330	223	.419	.154	.797	.175
320	914	543	.105	109	900	330	145	.055	.076	.458	.162	330	224	.366	.138	.857	.072
320	915	508	.101	.060	.973	330	146	.140	.084	.469	.094	330	225	.277	.111	.730	.028
320	916	552	.096	187	924	330	147	.206	.106	.607	.015	330	226	.138	.091	.494	.117
320	917	449	.066	262	883	330	148	.249	.122	.705	.404	330	227	.073	.059	.173	.259
320	918	482	.077	207	970	330	149	.227	.136	.782	.458	330	228	.202	.048	.026	.354
320	919	258	.156	.313	.780	330	150	.256	.053	.071	.513	330	229	.361	.188	.961	.293
330	101	241	.069	.006	.508	330	151	.123	.046	.082	.293	330	230	.379	.154	.929	.298
330	102	.072	.080	.250	.311	330	152	.076	.066	.349	.094	330	231	.362	.115	.722	.042
330	103	.037	.094	.386	.275	330	153	.165	.080	.551	.058	330	232	.241	.100	.601	.008
330	104	.136	.102	.456	.148	330	154	.209	.087	.569	.058	330	233	.116	.083	.424	.086
330	105	.211	.108	.519	.139	330	155	.215	.110	.639	.148	330	234	.068	.057	.192	.230
330	106	.349	.135	.721	.119	330	156	.203	.102	.558	.214	330	235	.188	.049	.010	.354
330	107	.422	.146	.822	.058	330	157	.093	.061	.320	.076	330	236	.346	.163	.824	.221
330	108	.256	.054	.067	.429	330	158	.076	.076	.490	.037	330	237	.341	.150	.873	.415
330	109	.010	.075	.252	.268	330	159	.179	.087	.562	.008	330	238	.282	.112	.684	.051
330	110	.248	.123	.669	.117	330	160	.219	.089	.626	.006	330	239	.227	.096	.606	.008
330	111	.361	.135	.764	.051	330	161	.166	.057	.039	.363	330	240	.122	.080	.473	.093
330	112	.462	.146	.888	.003	330	162	.027	.063	.263	.193	330	241	.058	.062	.217	.286
330	113	.573	.157	1.058	.076	330	163	.128	.100	.646	.083	330	242	.188	.055	.039	.356
330	114	.555	.176	1.028	.022	330	164	.150	.085	.535	.080	330	243	.014	.065	.349	.174
330	115	.246	.054	.033	.422	330	165	.214	.098	.680	.008	330	244	.170	.059	.068	.362
330	116	.032	.076	.286	.277	330	166	.238	.103	.769	.034	330	245	.242	.135	.773	.421
330	117	.253	.111	.743	.126	330	167	.256	.108	.628	.009	330	246	.263	.122	.707	.392

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
330	247	.249	.103	.635	-.029	330	316	-.437	.053	-.269	-.620	330	417	-.462	.054	-.294	-.650
330	248	.221	.090	.562	-.014	330	317	-.446	.053	-.288	-.661	330	418	-.456	.048	-.294	-.622
330	249	.196	.088	.560	-.016	330	318	-.448	.050	-.293	-.625	330	419	-.446	.055	-.278	-.664
330	250	.097	.067	.458	-.100	330	319	-.455	.056	-.248	-.668	330	420	-.441	.054	-.280	-.613
330	251	.050	.060	.222	-.206	330	320	-.465	.057	-.307	-.663	330	421	-.438	.056	-.254	-.620
330	252	.163	.091	.537	-.088	330	321	-.459	.053	-.260	-.729	330	422	-.440	.063	-.205	-.759
330	253	.228	.130	.667	-.202	330	322	-.412	.053	-.229	-.599	330	423	-.438	.052	-.271	-.657
330	254	.216	.089	.547	-.003	330	323	-.411	.050	-.234	-.569	330	424	-.444	.050	-.278	-.617
330	255	.233	.090	.587	-.013	330	324	-.423	.049	-.276	-.605	330	425	-.432	.050	-.271	-.596
330	256	.307	.097	.698	.068	330	325	-.426	.052	-.250	-.574	330	426	-.428	.055	-.264	-.701
330	257	.322	.110	.757	.080	330	326	-.425	.050	-.238	-.602	330	427	-.415	.054	-.198	-.603
330	258	.217	.100	.565	-.111	330	327	-.433	.060	-.250	-.751	330	428	-.411	.048	-.269	-.588
330	259	.222	.093	.592	-.073	330	328	-.430	.059	-.252	-.843	330	429	-.423	.062	-.232	-.702
330	260	.249	.100	.656	-.019	330	329	-.399	.057	-.219	-.576	330	430	-.421	.052	-.251	-.585
330	261	.263	.093	.618	.062	330	330	-.415	.059	-.243	-.628	330	431	-.424	.051	-.281	-.609
330	262	.258	.090	.616	.048	330	331	-.413	.053	-.252	-.588	330	432	-.421	.045	-.286	-.606
330	263	.253	.096	.674	.015	330	332	-.430	.053	-.236	-.605	330	433	-.414	.051	-.244	-.637
330	264	.279	.104	.663	.042	330	333	-.420	.055	-.248	-.609	330	434	-.415	.051	-.262	-.571
330	265	.267	.100	.723	.044	330	334	-.422	.059	-.196	-.680	330	435	-.401	.050	-.220	-.592
330	266	.251	.097	.797	.026	330	335	-.431	.065	-.224	-.687	330	436	-.443	.059	-.204	-.754
330	267	.273	.100	.676	.050	330	336	-.430	.070	-.203	-.687	330	437	-.425	.056	-.262	-.686
330	268	.265	.101	.716	.048	330	337	-.431	.067	-.229	-.701	330	438	-.426	.056	-.239	-.660
330	269	.302	.106	.692	.042	330	338	-.450	.063	-.238	-.786	330	439	-.421	.052	-.295	-.623
330	270	.305	.114	.759	.013	330	339	-.474	.065	-.300	-.831	330	440	-.411	.053	-.269	-.599
330	271	.268	.098	.748	.023	330	340	-.463	.068	-.252	-.680	330	441	-.405	.050	-.251	-.574
330	272	.300	.116	.863	.092	330	341	-.428	.064	-.174	-.654	330	442	-.407	.052	-.265	-.620
330	273	.307	.110	.721	.059	330	342	-.427	.065	-.189	-.683	330	443	-.453	.076	-.217	-.913
330	274	.287	.102	.723	.039	330	343	-.422	.069	-.206	-.747	330	444	-.451	.070	-.268	-.828
330	275	.294	.110	.754	.068	330	344	-.424	.076	-.140	-.763	330	445	-.465	.081	-.262	-.913
330	276	.309	.108	.667	.048	330	345	-.422	.068	-.221	-.754	330	446	-.447	.071	-.252	-.764
330	277	.309	.110	.710	.068	330	346	-.446	.066	-.257	-.749	330	447	-.443	.062	-.266	-.691
330	278	.318	.110	.754	.059	330	347	-.453	.069	-.224	-.770	330	448	-.421	.056	-.257	-.689
330	279	.316	.102	.719	.079	330	348	-.441	.068	-.235	-.772	330	449	-.409	.059	-.233	-.651
330	280	.304	.104	.721	.079	330	349	-.438	.068	-.165	-.720	330	450	-.386	.061	-.216	-.735
330	281	.310	.110	.854	.057	330	401	-.483	.068	-.234	-.853	330	451	-.388	.060	-.168	-.170
330	301	-.443	.060	-.229	-.672	330	402	-.471	.065	-.260	-.697	330	452	-.465	.071	-.293	-.803
330	302	-.444	.059	-.149	-.663	330	403	-.479	.070	-.241	-.720	330	453	-.451	.062	-.273	-.713
330	303	-.463	.062	-.220	-.691	330	404	-.495	.070	-.260	-.739	330	454	-.457	.064	-.277	-.734
330	304	-.454	.067	-.246	-.743	330	405	-.486	.069	-.189	-.836	330	455	-.447	.065	-.268	-.765
330	305	-.437	.062	-.241	-.922	330	406	-.462	.059	-.254	-.676	330	456	-.482	.079	-.300	-.904
330	306	-.457	.070	-.208	-.033	330	407	-.459	.061	-.217	-.685	330	457	-.448	.074	-.273	-.803
330	307	-.467	.067	-.253	-.005	330	408	-.479	.067	-.282	-.792	330	458	-.458	.070	-.282	-.783
330	308	-.437	.053	-.215	-.613	330	409	-.466	.059	-.245	-.701	330	459	-.427	.060	-.255	-.668
330	309	-.447	.054	-.260	-.637	330	410	-.473	.059	-.259	-.678	330	460	-.418	.064	-.246	-.691
330	310	-.445	.055	-.281	-.630	330	411	-.468	.056	-.292	-.696	330	461	-.405	.068	-.246	-.731
330	311	-.454	.057	-.272	-.670	330	412	-.450	.058	-.257	-.706	330	462	-.384	.060	-.191	-.760
330	312	-.460	.059	-.264	-.710	330	413	-.456	.056	-.264	-.643	330	463	-.369	.062	-.177	-.658
330	313	-.465	.063	-.279	-.708	330	414	-.446	.058	-.264	-.664	330	464	-.366	.065	-.083	-.628
330	314	-.471	.060	-.231	-.811	330	415	-.477	.063	-.278	-.748	330	465	-.417	.063	-.241	-.715
330	315	-.434	.053	-.288	-.604	330	416	-.473	.057	-.252	-.696	330	466	-.404	.066	-.215	-.675

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
330	467	- .393	.061	- .222	- .635	340	117	.401	.130	.819	- .007	340	167	.300	.108	.760	.033
330	468	- .384	.069	- .217	- .627	340	118	.519	.136	.900	- .107	340	168	.332	.119	.843	.042
330	469	- .468	.083	- .252	- .916	340	119	.574	.152	.967	- .172	340	169	.335	.114	.818	.065
330	470	- .450	.069	- .262	- .779	340	120	.577	.155	1.099	- .147	340	170	.302	.097	.695	.035
330	471	- .450	.070	- .252	- .756	340	121	.506	.156	1.021	- .021	340	171	.269	.095	.605	- .014
330	472	- .439	.068	- .269	- .730	340	122	.178	.055	.031	- .384	340	201	- .180	.205	.399	- .741
330	473	- .437	.074	- .259	- .799	340	123	.067	.085	.367	- .173	340	202	- .071	.148	.240	- .620
330	474	- .428	.078	- .189	- .804	340	124	.355	.112	.726	- .056	340	203	- .070	.074	.154	- .490
330	475	- .412	.065	- .224	- .673	340	125	.473	.133	.917	- .067	340	204	- .113	.064	.157	- .409
330	476	- .400	.061	- .226	- .727	340	126	.548	.161	1.027	- .130	340	205	- .159	.061	.108	- .388
330	477	- .400	.063	- .161	- .687	340	127	.513	.147	1.007	- .080	340	206	- .213	.049	- .040	- .397
330	478	- .397	.062	- .217	- .664	340	128	.459	.155	.933	- .026	340	207	- .292	.054	- .060	- .465
330	479	- .380	.064	- .195	- .620	340	129	.172	.061	.103	- .371	340	208	- .042	.213	.652	- .798
330	480	- .371	.069	- .178	- .681	340	130	.022	.083	.379	- .252	340	209	- .059	.248	.692	- .719
330	481	- .367	.063	- .108	- .674	340	131	.275	.114	.637	- .050	340	210	- .187	.102	.575	- .388
330	901	- .587	.089	- .281	- 1.184	340	132	.405	.132	.850	- .101	340	211	- .110	.086	.381	- .163
330	902	- .628	.098	- .265	- 1.056	340	133	.464	.146	.940	- .092	340	212	- .000	.072	.304	- .192
330	903	- .652	.121	- .309	- 1.152	340	134	.460	.150	.933	- .058	340	213	- .140	.053	.108	- .307
330	904	- .653	.113	- .234	- 1.149	340	135	.391	.150	.893	- .034	340	214	- .248	.043	.002	- .441
330	905	- .655	.125	- .274	- 1.425	340	136	.256	.065	.002	- .546	340	215	- .032	.228	.729	- .770
330	906	- .604	.115	- .223	- 1.030	340	137	.021	.090	.388	- .272	340	216	- .099	.245	.771	- .781
330	907	- .640	.114	- .244	- 1.149	340	138	.218	.110	.632	- .142	340	217	- .231	.123	.621	- .454
330	908	- .576	.087	- .258	- 1.194	340	139	.297	.127	.758	- .027	340	218	- .148	.084	.612	- .135
330	909	- .601	.109	- .194	- 1.062	340	140	.390	.138	.908	- .053	340	219	- .023	.065	.260	- .159
330	910	- .420	.125	- .008	- .866	340	141	.352	.134	.845	- .029	340	220	- .139	.048	.121	- .333
330	911	- .420	.089	- .033	- .877	340	142	.315	.149	.783	- .070	340	221	- .245	.041	- .055	- .384
330	912	- .529	.089	- .125	- .922	340	143	.232	.067	.116	- .475	340	222	- .039	.231	.729	- .703
330	913	- .463	.099	- .044	- .776	340	144	.081	.070	.221	- .314	340	223	- .110	.228	.683	- .798
330	914	- .604	.105	- .221	- 1.102	340	145	.121	.096	.562	- .133	340	224	- .210	.137	.624	- .609
330	915	- .596	.108	- .156	- 1.012	340	146	.206	.104	.602	- .021	340	225	- .143	.087	.495	- .139
330	916	- .599	.098	- .197	- 1.073	340	147	.253	.105	.642	- .043	340	226	- .024	.069	.284	- .155
330	917	- .443	.065	- .262	- .929	340	148	.236	.111	.660	- .043	340	227	- .145	.047	.035	- .289
330	918	- .463	.077	- .269	- .833	340	149	.218	.119	.725	- .139	340	228	- .251	.038	- .096	- .430
330	919	- .291	.133	- .264	- .702	340	150	.237	.061	.008	- .516	340	229	- .038	.213	.793	- .706
340	101	- .153	.074	- .129	- .422	340	151	.080	.062	.174	- .334	340	230	- .148	.217	.660	- .615
340	102	- .031	.091	- .329	- .245	340	152	.113	.076	.472	- .079	340	231	- .176	.124	.513	- .541
340	103	- .130	.107	- .499	- .198	340	153	.210	.088	.600	- .023	340	232	- .127	.080	.473	- .143
340	104	- .216	.115	- .602	- .169	340	154	.233	.092	.584	- .011	340	233	- .019	.063	.284	- .174
340	105	- .297	.133	- .642	- .135	340	155	.196	.085	.564	- .122	340	234	- .144	.047	.028	- .328
340	106	- .384	.133	- .842	- .054	340	156	.148	.069	.425	- .191	340	235	- .236	.044	- .054	- .399
340	107	- .384	.137	- .772	- .162	340	157	.151	.080	.519	- .057	340	236	- .055	.215	.649	- .597
340	108	- .149	.063	- .067	- .440	340	158	.212	.086	.553	- .015	340	237	- .113	.192	.620	- .575
340	109	- .118	.097	- .488	- .169	340	159	.254	.094	.709	- .004	340	238	- .164	.121	.522	- .501
340	110	- .367	.133	- .810	- .063	340	160	.251	.093	.618	- .024	340	239	- .125	.078	.402	- .094
340	111	- .481	.152	- .916	- .014	340	161	- .121	.066	.165	- .330	340	240	- .015	.065	.248	- .143
340	112	- .526	.160	1.010	- .098	340	162	.035	.081	.308	- .172	340	241	- .145	.053	.126	- .312
340	113	- .566	.160	1.061	- .011	340	163	.207	.110	.687	- .023	340	242	- .251	.051	- .050	- .448
340	114	- .507	.154	.983	- .033	340	164	.224	.103	.703	- .016	340	243	- .051	.056	.168	- .256
340	115	- .156	.061	- .105	- .363	340	165	.258	.102	.712	- .003	340	244	- .222	.058	.006	- .411
340	116	- .098	.092	- .456	- .216	340	166	.281	.120	.771	- .005	340	245	- .033	.167	.531	- .487

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
340	246	.076	.152	.574	-.454	340	315	-.396	.050	-.234	-.566	340	416	-.463	.061	-.255	-.751
340	247	.140	.091	.502	-.519	340	316	-.393	.049	-.220	-.578	340	417	-.435	.050	-.260	-.599
340	248	.136	.072	.408	-.083	340	317	-.400	.049	-.253	-.582	340	418	-.430	.051	-.248	-.611
340	249	.114	.071	.442	-.072	340	318	-.404	.045	-.227	-.563	340	419	-.428	.054	-.241	-.615
340	250	.014	.053	.249	-.122	340	319	-.406	.046	-.237	-.580	340	420	-.414	.050	-.248	-.615
340	251	-.104	.051	.114	-.252	340	320	-.417	.051	-.241	-.601	340	421	-.417	.056	-.243	-.625
340	252	.102	.080	.408	-.232	340	321	-.425	.050	-.225	-.630	340	422	-.464	.068	-.257	-.919
340	253	.191	.129	.704	-.205	340	322	-.379	.050	-.220	-.533	340	423	-.457	.055	-.299	-.800
340	254	.149	.071	.415	-.023	340	323	-.388	.045	-.192	-.563	340	424	-.444	.054	-.288	-.622
340	255	.165	.078	.448	-.052	340	324	-.395	.045	-.196	-.538	340	425	-.431	.051	-.278	-.599
340	256	.227	.090	.534	.017	340	325	-.401	.050	-.160	-.657	340	426	-.420	.054	-.264	-.606
340	257	.276	.105	.812	.013	340	326	-.409	.053	-.196	-.597	340	427	-.419	.048	-.241	-.585
340	258	.103	.098	.489	-.317	340	327	-.426	.058	-.217	-.602	340	428	-.416	.046	-.292	-.565
340	259	.136	.088	.428	-.198	340	328	-.428	.060	-.229	-.685	340	429	-.475	.074	-.245	-.828
340	260	.157	.074	.540	-.119	340	329	-.400	.065	-.174	-.664	340	430	-.466	.063	-.297	-.877
340	261	.168	.071	.449	-.122	340	330	-.399	.061	-.220	-.604	340	431	-.459	.061	-.273	-.682
340	262	.200	.081	.546	-.036	340	331	-.414	.059	-.241	-.728	340	432	-.440	.059	-.278	-.656
340	263	.217	.083	.540	.017	340	332	-.407	.062	-.044	-.697	340	433	-.431	.054	-.250	-.628
340	264	.233	.085	.582	-.095	340	333	-.399	.060	-.212	-.583	340	434	-.422	.051	-.252	-.593
340	265	.187	.082	.478	-.130	340	334	-.424	.060	-.212	-.709	340	435	-.423	.057	-.191	-.605
340	266	.210	.084	.544	-.152	340	335	-.438	.060	-.227	-.657	340	436	-.482	.078	-.273	-.935
340	267	.203	.078	.538	.004	340	336	-.435	.065	-.210	-.742	340	437	-.467	.067	-.276	-.781
340	268	.204	.079	.498	-.036	340	337	-.444	.078	-.193	-.868	340	438	-.465	.067	-.301	-.774
340	269	.213	.090	.663	-.005	340	338	-.468	.072	-.224	-.818	340	439	-.456	.055	-.316	-.659
340	270	.243	.097	.769	-.028	340	339	-.489	.077	-.189	-.773	340	440	-.430	.050	-.287	-.619
340	271	.184	.102	.590	-.355	340	340	-.475	.085	-.177	-.804	340	441	-.432	.061	-.252	-.725
340	272	.199	.109	.632	-.302	340	341	-.456	.080	-.234	-.787	340	442	-.435	.060	-.271	-.682
340	273	.195	.083	.582	-.128	340	342	-.461	.077	-.212	-.813	340	443	-.505	.094	-.261	-.888
340	274	.228	.093	.663	-.028	340	343	-.411	.070	-.188	-.673	340	444	-.486	.081	-.268	-.799
340	275	.212	.084	.612	-.042	340	344	-.406	.075	-.112	-.808	340	445	-.509	.088	-.268	-.893
340	276	.242	.086	.615	.039	340	345	-.425	.064	-.212	-.706	340	446	-.492	.089	-.236	-.846
340	277	.234	.089	.593	.022	340	346	-.471	.077	-.281	-.851	340	447	-.479	.078	-.270	-.995
340	278	.241	.094	.681	.031	340	347	-.470	.072	-.234	-.817	340	448	-.463	.073	-.272	-.808
340	279	.228	.092	.555	.013	340	348	-.465	.073	-.223	-.806	340	449	-.435	.067	-.268	-.724
340	280	.249	.097	.782	.042	340	349	-.468	.072	-.259	-.899	340	450	-.423	.069	-.198	-.678
340	281	.245	.101	.683	.022	340	401	-.478	.078	-.165	-.830	340	451	-.438	.079	-.168	-.805
340	301	-.406	.060	-.175	-.608	340	402	-.467	.071	-.220	-.775	340	452	-.503	.077	-.297	-.973
340	302	-.406	.057	-.194	-.582	340	403	-.467	.071	-.224	-.704	340	453	-.494	.076	-.254	-.759
340	303	-.418	.065	-.201	-.689	340	404	-.476	.065	-.224	-.878	340	454	-.495	.080	-.274	-.942
340	304	-.402	.063	-.196	-.661	340	405	-.465	.069	-.234	-.805	340	455	-.465	.074	-.257	-.757
340	305	-.404	.062	-.194	-.637	340	406	-.446	.057	-.264	-.660	340	456	-.570	.112	-.305	-.173
340	306	-.423	.063	-.215	-.665	340	407	-.444	.067	-.246	-.721	340	457	-.520	.089	-.292	-.957
340	307	-.437	.066	-.218	-.779	340	408	-.475	.079	-.239	-.786	340	458	-.519	.091	-.285	-.875
340	308	-.400	.053	-.211	-.575	340	409	-.467	.070	-.234	-.915	340	459	-.477	.086	-.239	-.786
340	309	-.399	.052	-.241	-.592	340	410	-.445	.054	-.276	-.639	340	460	-.495	.087	-.279	-.964
340	310	-.395	.053	-.232	-.587	340	411	-.439	.057	-.227	-.671	340	461	-.463	.082	-.270	-.992
340	311	-.404	.057	-.218	-.601	340	412	-.431	.057	-.243	-.653	340	462	-.440	.081	-.213	-.893
340	312	-.410	.054	-.161	-.618	340	413	-.424	.056	-.241	-.643	340	463	-.416	.083	-.170	-.888
340	313	-.414	.058	-.237	-.625	340	414	-.417	.059	-.220	-.709	340	464	-.419	.085	-.142	-.902
340	314	-.428	.062	-.230	-.703	340	415	-.472	.067	-.264	-.786	340	465	-.470	.082	-.248	-.895

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
340	466	-.459	.084	-.213	-.777	350	116	.194	.105	.617	-.105	350	166	.391	.125	.857	.052
340	467	-.464	.078	-.274	-.823	350	117	.486	.131	.884	.088	350	167	.372	.122	.882	.054
340	468	-.443	.081	-.248	-.868	350	118	.550	.160	1.081	.120	350	168	.379	.125	.859	.067
340	469	-.562	.131	-.210	-1.258	350	119	.604	.163	1.112	.132	350	169	.367	.113	.718	.041
340	470	-.522	.103	-.291	-1.058	350	120	.453	.139	.953	.048	350	170	.312	.102	.787	.085
340	471	-.527	.107	-.241	-1.087	350	121	.317	.135	.707	-.103	350	171	.260	.093	.684	.037
340	472	-.490	.092	-.258	-.932	350	122	-.096	.069	.199	-.346	350	201	-.514	.123	.039	-1.577
340	473	-.527	.106	-.283	-1.067	350	123	.168	.096	.487	-.153	350	202	-.464	.168	.071	-.906
340	474	-.497	.103	-.278	-1.116	350	124	.438	.127	.813	.111	350	203	-.217	.116	.033	-.707
340	475	-.476	.092	-.246	-.912	350	125	.552	.152	1.048	.144	350	204	-.180	.051	-.017	-.553
340	476	-.447	.085	-.213	-1.067	350	126	.546	.142	1.065	.119	350	205	-.208	.054	-.066	-.411
340	477	-.449	.085	-.187	-1.011	350	127	.417	.139	.939	.022	350	206	-.249	.047	-.091	-.390
340	478	-.439	.079	-.201	-.936	350	128	.278	.125	.693	-.102	350	207	-.296	.053	-.103	-.469
340	479	-.441	.080	-.238	-.845	350	129	-.097	.072	.256	-.331	350	208	-.428	.157	.124	-1.278
340	480	-.423	.080	-.193	-1.178	350	130	.119	.101	.531	-.186	350	209	-.418	.183	.337	-1.061
340	481	-.421	.083	-.212	-.887	350	131	.363	.126	.764	.043	350	210	-.084	.199	.271	-.818
340	901	-.545	.095	-.276	-1.195	350	132	.478	.149	1.027	.121	350	211	-.015	.078	.202	-.640
340	902	-.586	.101	-.304	-1.115	350	133	.488	.142	.903	.073	350	212	-.087	.051	.114	-.390
340	903	-.610	.115	-.309	-1.185	350	134	.392	.129	.924	-.005	350	213	-.194	.043	-.033	-.349
340	904	-.630	.107	-.304	-1.080	350	135	.239	.134	.800	-.125	350	214	-.275	.043	-.118	-.434
340	905	-.615	.123	-.313	-1.388	350	136	-.203	.076	.111	-.469	350	215	-.364	.171	.392	-1.078
340	906	-.562	.108	-.226	-.972	350	137	.062	.102	.499	-.247	350	216	-.347	.198	.351	-1.138
340	907	-.598	.125	-.210	-1.138	350	138	.297	.121	.810	-.011	350	217	-.135	.250	.335	-.987
340	908	-.536	.086	-.269	-.880	350	139	.376	.124	.836	.058	350	218	-.003	.099	.339	-.762
340	909	-.522	.104	-.181	-.968	350	140	.394	.135	.838	.083	350	219	-.073	.051	.132	-.388
340	910	-.384	.111	-.057	-.790	350	141	.297	.126	.825	-.030	350	220	-.194	.037	-.010	-.401
340	911	-.468	.084	-.176	-.770	350	142	.206	.119	.611	-.123	350	221	-.272	.038	-.136	-.423
340	912	-.551	.097	-.239	-.928	350	143	-.190	.082	.151	-.449	350	222	-.331	.195	.483	-1.163
340	913	-.495	.087	-.105	-.897	350	144	.002	.086	.317	-.243	350	223	-.354	.186	.467	-.849
340	914	-.593	.106	-.161	-1.115	350	145	.207	.108	.634	-.048	350	224	-.107	.249	.362	-.983
340	915	-.590	.117	-.112	-1.097	350	146	.278	.108	.722	-.036	350	225	-.002	.107	.236	-.657
340	916	-.556	.102	-.232	-1.195	350	147	.301	.120	.739	.021	350	226	-.077	.054	.165	-.417
340	917	-.458	.073	-.299	-.939	350	148	.236	.110	.709	-.031	350	227	-.195	.039	-.066	-.380
340	918	-.467	.078	-.252	-.849	350	149	.144	.103	.560	-.220	350	228	-.268	.040	-.115	-.399
340	919	-.317	.119	-.300	-.736	350	150	-.211	.066	.031	-.489	350	229	-.347	.178	.381	-1.068
350	101	-.058	.087	.315	-.388	350	151	-.028	.069	.262	-.216	350	230	-.292	.208	.495	-.886
350	102	.155	.110	.493	-.191	350	152	.195	.088	.544	-.021	350	231	-.097	.214	.345	-.811
350	103	.212	.114	.594	-.178	350	153	.260	.093	.661	.031	350	232	-.003	.080	.233	-.536
350	104	.277	.126	.674	-.128	350	154	.270	.086	.644	.059	350	233	-.077	.055	.114	-.445
350	105	.316	.124	.653	-.042	350	155	.192	.078	.495	.013	350	234	-.202	.046	-.057	-.401
350	106	.333	.131	.751	-.166	350	156	.146	.069	.455	-.050	350	235	-.269	.052	-.097	-.470
350	107	.274	.121	.672	-.143	350	157	.208	.080	.563	.017	350	236	-.281	.187	.454	-1.253
350	108	-.053	.075	.285	-.264	350	158	.269	.089	.613	.080	350	237	-.252	.206	.312	-.928
350	109	-.239	.118	.638	-.113	350	159	.276	.106	.726	.048	350	238	-.036	.181	.368	-.953
350	110	.467	.151	.984	.017	350	160	.307	.094	.625	.103	350	239	-.010	.072	.322	-.372
350	111	.548	.151	1.133	.048	350	161	-.086	.070	.176	-.323	350	240	-.070	.047	.101	-.253
350	112	.555	.156	1.029	.078	350	162	.082	.080	.427	-.101	350	241	-.212	.048	-.013	-.426
350	113	.471	.153	.913	-.059	350	163	.281	.119	.785	.019	350	242	-.301	.055	-.097	-.536
350	114	.329	.132	.837	-.065	350	164	.288	.110	.745	.040	350	243	-.117	.042	.052	-.417
350	115	-.069	.077	.204	-.321	350	165	.358	.107	.787	.115	350	244	-.272	.052	-.129	-.488

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
3350	245	- .170	.163	.317	- .839	3350	314	- .431	.067	- .179	- .708	3350	415	- .475	.072	- .276	- .813
3350	246	- .117	.178	.426	- .963	3350	315	- .380	.052	- .165	- .576	3350	416	- .481	.071	- .274	- .820
3350	247	- .027	.123	.352	- .511	3350	316	- .374	.050	- .219	- .557	3350	417	- .448	.061	- .246	- .687
3350	248	- .048	.070	.245	- .326	3350	317	- .379	.052	- .231	- .609	3350	418	- .441	.058	- .255	- .661
3350	249	- .048	.058	.327	- .270	3350	318	- .387	.048	- .229	- .557	3350	419	- .435	.057	- .262	- .710
3350	250	- .026	.047	.167	- .497	3350	319	- .389	.049	- .233	- .559	3350	420	- .422	.055	- .236	- .610
3350	251	- .147	.042	.041	- .301	3350	320	- .418	.054	- .215	- .611	3350	421	- .416	.059	- .224	- .689
3350	252	- .026	.084	.333	- .352	3350	321	- .428	.058	- .186	- .666	3350	422	- .490	.081	- .269	- .928
3350	253	- .074	.111	.489	- .406	3350	322	- .362	.057	- .160	- .564	3350	423	- .478	.063	- .318	- .746
3350	254	- .107	.064	.327	- .173	3350	323	- .355	.050	- .174	- .552	3350	424	- .465	.065	- .257	- .715
3350	255	- .115	.070	.392	- .181	3350	324	- .388	.054	- .134	- .577	3350	425	- .446	.064	- .239	- .692
3350	256	- .198	.082	.567	- .005	3350	325	- .386	.057	- .125	- .592	3350	426	- .435	.064	- .231	- .666
3350	257	- .221	.094	.592	- .026	3350	326	- .404	.059	- .193	- .639	3350	427	- .419	.058	- .215	- .636
3350	258	- .026	.101	.279	- .461	3350	327	- .420	.054	- .236	- .599	3350	428	- .437	.051	- .263	- .649
3350	259	- .002	.120	.310	- .562	3350	328	- .434	.059	- .234	- .627	3350	429	- .497	.076	- .285	- .799
3350	260	- .073	.110	.366	- .518	3350	329	- .377	.068	- .151	- .731	3350	430	- .492	.074	- .285	- .825
3350	261	- .123	.080	.392	- .250	3350	330	- .387	.072	- .144	- .670	3350	431	- .466	.061	- .303	- .717
3350	262	- .148	.071	.438	- .306	3350	331	- .390	.072	- .151	- .677	3350	432	- .454	.059	- .280	- .660
3350	263	- .167	.076	.457	- .045	3350	332	- .404	.072	- .129	- .831	3350	433	- .452	.059	- .263	- .752
3350	264	- .194	.083	.562	- .033	3350	333	- .423	.073	- .156	- .705	3350	434	- .449	.054	- .280	- .632
3350	265	- .111	.100	.494	- .493	3350	334	- .433	.063	- .196	- .653	3350	435	- .440	.056	- .271	- .702
3350	266	- .124	.080	.457	- .301	3350	335	- .458	.068	- .246	- .762	3350	436	- .517	.085	- .287	- .911
3350	267	- .154	.076	.485	- .076	3350	336	- .444	.081	- .170	- .966	3350	437	- .505	.070	- .310	- .876
3350	268	- .167	.078	.471	- .078	3350	337	- .460	.080	- .201	- .919	3350	438	- .480	.068	- .292	- .820
3350	269	- .197	.089	.661	- .134	3350	338	- .493	.088	- .186	- .978	3350	439	- .480	.068	- .285	- .745
3350	270	- .199	.082	.634	- .004	3350	339	- .501	.088	- .186	- .810	3350	440	- .456	.068	- .278	- .766
3350	271	- .048	.112	.413	- .407	3350	340	- .466	.091	- .056	- .881	3350	441	- .459	.064	- .254	- .759
3350	272	- .066	.133	.558	- .537	3350	341	- .469	.079	- .201	- .802	3350	442	- .474	.067	- .263	- .756
3350	273	- .144	.111	.457	- .650	3350	342	- .469	.071	- .281	- .772	3350	443	- .504	.091	- .290	- 1.166
3350	274	- .184	.070	.554	- .054	3350	343	- .437	.075	- .186	- .741	3350	444	- .513	.091	- .274	- 1.224
3350	275	- .154	.072	.492	- .291	3350	344	- .437	.084	- .126	- .882	3350	445	- .531	.100	- .280	- 1.116
3350	276	- .174	.071	.537	- .006	3350	345	- .435	.073	- .197	- .724	3350	446	- .507	.097	- .224	- 1.140
3350	277	- .193	.073	.490	- .006	3350	346	- .464	.077	- .286	- .857	3350	447	- .485	.079	- .267	- 1.141
3350	278	- .197	.076	.527	- .004	3350	347	- .475	.073	- .278	- .901	3350	448	- .480	.071	- .309	- .882
3350	279	- .197	.075	.543	- .004	3350	348	- .476	.069	- .286	- .778	3350	449	- .480	.077	- .259	- .882
3350	280	- .195	.077	.508	- .004	3350	349	- .479	.075	- .278	- .811	3350	450	- .462	.076	- .268	- .780
3350	281	- .208	.084	.609	- .010	3350	401	- .491	.095	- .201	- .914	3350	451	- .467	.078	- .224	- .803
3350	301	- .382	.065	- .118	- .593	3350	402	- .482	.087	- .201	- .987	3350	452	- .519	.083	- .320	- .997
3350	302	- .375	.066	- .134	- .637	3350	403	- .481	.079	- .189	- .750	3350	453	- .502	.090	- .305	- .995
3350	303	- .377	.064	- .155	- .597	3350	404	- .469	.073	- .238	- .843	3350	454	- .511	.082	- .307	- .930
3350	304	- .374	.056	- .186	- .576	3350	405	- .472	.074	- .260	- .795	3350	455	- .495	.085	- .274	- .943
3350	305	- .411	.064	- .186	- .626	3350	406	- .450	.062	- .276	- .706	3350	456	- .580	.130	- .242	- 1.328
3350	306	- .432	.070	- .205	- .687	3350	407	- .448	.064	- .231	- .699	3350	457	- .546	.110	- .284	- .995
3350	307	- .444	.070	- .167	- .708	3350	408	- .477	.093	- .201	- .916	3350	458	- .531	.110	- .213	- 1.057
3350	308	- .369	.052	- .193	- .548	3350	409	- .473	.086	- .194	- .895	3350	459	- .524	.099	- .284	- 1.001
3350	309	- .375	.051	- .222	- .552	3350	410	- .461	.062	- .274	- .715	3350	460	- .507	.101	- .257	- 1.006
3350	310	- .377	.054	- .177	- .583	3350	411	- .448	.060	- .250	- .755	3350	461	- .487	.097	- .262	- 1.015
3350	311	- .375	.054	- .196	- .588	3350	412	- .426	.059	- .239	- .650	3350	462	- .484	.091	- .267	- .954
3350	312	- .401	.057	- .191	- .611	3350	413	- .429	.058	- .243	- .694	3350	463	- .481	.087	- .217	- .824
3350	313	- .409	.064	- .177	- .753	3350	414	- .426	.058	- .262	- .668	3350	464	- .472	.090	- .170	- .940

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
350	465	-.492	.095	-.189	-1.063	350	477	-.484	.099	-.236	-1.089	350	908	-.510	.096	-.125	-.963
350	466	-.486	.093	-.241	-.864	350	478	-.470	.090	-.192	-.939	350	909	-.466	.119	.074	-1.007
350	467	-.483	.091	-.269	-.871	350	479	-.460	.093	-.235	-.900	350	910	-.427	.095	.095	-.747
350	468	-.470	.089	-.250	-.933	350	480	-.456	.090	-.238	-1.001	350	911	-.491	.096	-.107	-.807
350	469	-.557	.145	-.231	-1.307	350	481	-.469	.092	-.245	-1.005	350	912	-.603	.113	-.247	-1.049
350	470	-.535	.119	-.186	-1.113	350	901	-.525	.087	-.266	-.982	350	913	-.494	.093	-.172	-.899
350	471	-.522	.119	-.177	-1.293	350	902	-.558	.106	-.219	-.965	350	914	-.573	.110	-.151	-1.007
350	472	-.495	.104	-.227	-1.077	350	903	-.600	.111	-.310	-1.088	350	915	-.556	.114	-.220	-1.195
350	473	-.514	.123	-.082	-1.131	350	904	-.612	.104	-.313	-1.008	350	916	-.548	.100	-.265	-1.078
350	474	-.496	.111	-.199	-1.003	350	905	-.569	.120	-.263	-1.041	350	917	-.483	.076	-.278	-.806
350	475	-.498	.106	-.255	-1.171	350	906	-.592	.117	-.212	-.984	350	918	-.472	.082	-.263	-.862
350	476	-.491	.097	-.262	-1.115	350	907	-.608	.132	-.207	-1.144	350	919	-.385	.091	.028	-.775

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
32	137	.396	.143	.921	.043	42	137	.390	.148	.932	-.009	52	137	.294	.159	.827	-.368
32	143	.134	.142	.944	-.299	42	143	.230	.124	.735	-.165	52	143	.169	.183	.864	-.565
32	152	.246	.092	.636	.033	42	152	.171	.083	.554	-.054	52	152	.066	.071	.397	-.168
32	207	-.464	.125	-.123	-.184	42	207	-.433	.092	-.133	-.021	52	207	-.397	.083	-.102	-.842
32	301	-.427	.103	-.136	-.027	42	301	-.417	.097	-.099	-.155	52	301	-.429	.085	-.079	-.995
32	315	-.359	.075	-.087	-.697	42	315	-.386	.078	-.120	-.859	52	315	-.457	.093	-.175	-.004
32	336	-.437	.095	-.092	-.857	42	336	-.486	.090	-.248	-.915	52	336	-.507	.097	-.233	-.128
32	337	-.432	.044	-.314	-.564	42	337	-.483	.050	-.372	-.638	52	337	-.524	.045	-.407	-.656
32	349	-.433	.120	-.118	-.042	42	349	-.410	.085	-.194	-.781	52	349	-.460	.091	-.177	-.994
32	901	-1.004	.198	-.486	-.801	42	901	-1.486	.290	-.662	-.2365	52	901	-1.138	.342	-.324	-2.351
32	137	.388	.154	.899	-.007	44	137	.346	.134	.871	-.042	72	137	-.477	.268	.273	-1.896
34	143	.162	.133	.655	-.271	44	143	.232	.127	.787	-.362	72	143	-.457	.223	.378	-1.558
34	152	.238	.092	.657	.017	44	152	.121	.075	.460	-.056	72	152	-.201	.132	.080	-1.005
34	207	-.454	.115	-.135	-.257	44	207	-.425	.082	-.117	-.189	72	207	-.348	.082	-.108	-.988
34	301	-.421	.105	-.103	-.053	44	301	-.403	.089	-.080	-.1070	72	301	-.466	.144	-.090	-1.328
34	315	-.372	.077	-.151	-.739	44	315	-.387	.072	-.142	-.695	72	315	-.498	.124	-.197	-1.142
34	336	-.438	.089	-.218	-.889	44	336	-.495	.086	-.174	-.945	72	336	-.461	.109	-.162	-1.012
34	337	-.431	.046	-.310	-.541	44	337	-.480	.046	-.359	-.618	72	337	-.482	.056	-.305	-.619
34	349	-.420	.116	-.063	-.068	44	349	-.424	.081	-.187	-.797	72	349	-.569	.152	-.156	-1.434
34	901	-1.104	.236	-.525	-.224	44	901	-1.567	.314	-.582	-.2384	72	901	-.401	.227	.009	-1.173
36	137	.395	.154	.906	-.026	46	137	.345	.137	.799	-.022	74	137	-.546	.278	.234	-2.001
36	143	.192	.133	.742	-.163	46	143	.203	.126	.808	-.338	74	143	-.524	.233	.154	-1.843
36	152	.223	.100	.680	-.003	46	152	.098	.068	.399	-.061	74	152	-.249	.149	.060	-1.157
36	207	-.457	.106	-.143	-.257	46	207	-.414	.085	-.147	-.1279	74	207	-.354	.086	-.073	-.937
36	301	-.429	.101	-.100	-.214	46	301	-.404	.093	-.134	-.1045	74	301	-.457	.152	-.025	-1.452
36	315	-.384	.078	-.118	-.716	46	315	-.400	.082	-.176	-.872	74	315	-.513	.131	-.152	-1.047
36	336	-.448	.086	-.195	-.934	46	336	-.490	.090	-.215	-.1080	74	336	-.453	.113	-.140	-.956
36	337	-.444	.044	-.327	-.565	46	337	-.491	.044	-.366	-.611	74	337	-.457	.068	-.261	-.621
36	349	-.417	.100	-.173	-.166	46	349	-.428	.084	-.217	-.763	74	349	-.578	.176	-.210	-1.720
36	901	-1.186	.256	-.543	-.290	46	901	-1.510	.336	-.345	-.2466	74	901	-.548	.265	-.016	-1.258
38	137	.395	.145	.976	-.036	48	137	.332	.142	.879	-.242	76	137	-.632	.250	-.002	-2.144
38	143	.208	.136	.823	-.165	48	143	.208	.142	.889	-.371	76	143	-.530	.226	.168	-1.838
38	152	.213	.089	.561	-.024	48	152	.085	.064	.343	-.066	76	152	-.307	.159	.007	-1.994
38	207	-.466	.097	-.163	-.214	48	207	-.415	.089	-.133	-.992	76	207	-.362	.098	-.083	-1.117
38	301	-.429	.105	-.145	-.189	48	301	-.412	.085	-.134	-.1033	76	301	-.466	.175	-.081	-1.814
38	315	-.385	.081	-.110	-.806	48	315	-.423	.082	-.184	-.820	76	315	-.515	.149	-.124	-1.309
38	336	-.476	.082	-.194	-.904	48	336	-.511	.091	-.216	-.960	76	336	-.440	.117	-.101	-1.250
38	337	-.459	.046	-.328	-.607	48	337	-.510	.047	-.391	-.668	76	337	-.438	.062	-.262	-.596
38	349	-.401	.091	-.156	-.944	48	349	-.443	.086	-.178	-.884	76	349	-.606	.194	-.214	-1.740
38	901	-1.312	.312	-.577	-.658	48	901	-1.433	.346	-.356	-.2617	76	901	-.639	.244	-.002	-1.250
40	137	.359	.149	.894	.010	50	137	.282	.145	.750	-.179	78	137	-.684	.262	.032	-2.073
40	143	.228	.136	.744	-.148	50	143	.175	.157	.698	-.709	78	143	-.603	.220	-.027	-2.176
40	152	.159	.094	.561	-.035	50	152	.070	.072	.475	-.159	78	152	-.358	.174	-.009	-1.371
40	207	-.446	.092	-.128	-.142	50	207	-.389	.076	-.145	-.843	78	207	-.358	.103	-.053	-1.238
40	301	-.408	.105	-.126	-.315	50	301	-.404	.088	-.116	-.1002	78	301	-.446	.163	-.038	-1.393
40	315	-.390	.077	-.135	-.740	50	315	-.426	.095	-.141	-.1048	78	315	-.535	.166	-.141	-1.331
40	336	-.467	.085	-.248	-.802	50	336	-.494	.087	-.241	-.1141	78	336	-.401	.105	-.118	-.836
40	337	-.449	.046	-.345	-.579	50	337	-.490	.046	-.374	-.667	78	337	-.412	.063	-.254	-.568
40	349	-.419	.083	-.213	-.783	50	349	-.435	.084	-.182	-.811	78	349	-.652	.196	-.183	-1.673
40	901	-1.467	.314	-.569	-.524	50	901	-1.245	.359	-.196	-.2388	78	901	-.755	.204	-.041	-1.364

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
80	137	- .743	.282	.058	-2.206	90	137	- .687	.262	.001	-2.675	100	137	- .478	.131	- .144	-1.898
80	143	- .648	.238	.103	-2.204	90	143	- .677	.252	.215	-3.073	100	143	- .557	.153	- .227	-1.625
80	152	- .429	.212	.039	-1.615	90	152	- .578	.249	.064	-2.022	100	152	- .569	.184	- .128	-1.529
80	207	- .370	.108	.058	-1.269	90	207	- .342	.117	.036	- .917	100	207	- .340	.089	- .040	-1.128
80	301	- .452	.178	.040	-1.347	90	301	- .350	.136	.061	-1.183	100	301	- .324	.079	- .024	- .650
80	315	- .542	.184	.027	-1.359	90	315	- .429	.195	.015	-1.416	100	315	- .334	.077	- .102	- .714
80	336	- .397	.113	.120	- .813	90	336	- .292	.076	.105	- .781	100	336	- .342	.065	- .175	- .641
80	337	- .393	.070	.198	- .596	90	337	- .240	.039	.158	- .436	100	337	- .235	.023	- .172	- .316
80	349	- .703	.240	.116	-2.021	90	349	- .881	.346	.001	-2.470	100	349	- .633	.355	- .474	-2.144
80	901	- .831	.197	.079	-1.410	90	901	- .816	.157	.389	-1.500	100	901	- .636	.105	- .329	-1.161
82	137	- .733	.273	.094	-2.298	92	137	- .646	.231	.163	-2.495	102	137	- .488	.113	- .186	-1.262
82	143	- .646	.251	.071	-2.208	92	143	- .677	.237	.204	-2.084	102	143	- .554	.136	- .207	-1.552
82	152	- .477	.229	.034	-1.344	92	152	- .601	.229	.119	-1.672	102	152	- .594	.172	- .203	-1.497
82	207	- .367	.113	.082	-1.106	92	207	- .339	.112	.017	- .873	102	207	- .340	.089	- .077	- .777
82	301	- .431	.182	.035	-1.362	92	301	- .351	.124	.003	- .960	102	301	- .330	.072	- .055	- .635
82	315	- .530	.196	.075	-1.414	92	315	- .402	.170	.001	-1.329	102	315	- .339	.066	- .097	- .668
82	336	- .364	.103	.141	-1.006	92	336	- .295	.067	.105	- .752	102	336	- .348	.066	- .186	- .658
82	337	- .349	.068	.213	- .528	92	337	- .231	.031	.168	- .367	102	337	- .249	.021	- .180	- .308
82	349	- .741	.256	.183	-2.311	92	349	- .847	.359	.103	-2.482	102	349	- .588	.371	- .394	-2.272
82	901	- .829	.184	.113	-1.458	92	901	- .790	.143	.326	-1.447	102	901	- .623	.111	- .279	-1.208
84	137	- .772	.287	.196	-2.517	94	137	- .602	.211	.069	-2.122	104	137	- .478	.110	- .140	-1.059
84	143	- .682	.250	.198	-2.190	94	143	- .637	.217	.209	-2.152	104	143	- .555	.128	- .207	-1.275
84	152	- .429	.219	.064	-1.807	94	152	- .585	.231	.116	-1.885	104	152	- .581	.189	- .173	-1.896
84	207	- .356	.116	.025	-1.059	94	207	- .347	.107	.047	- .837	104	207	- .338	.079	- .101	- .703
84	301	- .407	.173	.008	-1.248	94	301	- .332	.112	.062	- .961	104	301	- .321	.070	- .081	- .604
84	315	- .529	.209	.005	-1.743	94	315	- .376	.152	.030	-1.325	104	315	- .338	.060	- .130	- .632
84	336	- .326	.095	.076	- .878	94	336	- .309	.066	.105	- .578	104	336	- .367	.064	- .197	- .588
84	337	- .317	.072	.189	- .523	94	337	- .221	.023	.164	- .330	104	337	- .252	.023	- .195	- .323
84	349	- .781	.267	.129	-2.311	94	349	- .827	.387	.142	-2.625	104	349	- .512	.390	- .519	-1.964
84	901	- .893	.170	.147	-1.540	94	901	- .743	.143	.339	-1.423	104	901	- .619	.111	- .265	-1.340
86	137	- .782	.286	.106	-2.250	96	137	- .547	.158	.185	-1.807	106	137	- .472	.096	- .145	- .998
86	143	- .667	.257	.193	-2.177	96	143	- .616	.197	.201	-2.038	106	143	- .546	.123	- .251	-1.317
86	152	- .514	.243	.057	-1.878	96	152	- .628	.207	.170	-1.688	106	152	- .557	.159	- .224	-1.749
86	207	- .352	.115	.057	- .870	96	207	- .329	.101	.011	- .809	106	207	- .343	.077	- .101	- .805
86	301	- .392	.167	.061	-1.131	96	301	- .328	.097	.003	- .996	106	301	- .329	.062	- .091	- .572
86	315	- .483	.213	.051	-1.363	96	315	- .360	.123	.032	-1.306	106	315	- .328	.051	- .128	- .560
86	336	- .307	.078	.128	- .707	96	336	- .306	.066	.093	- .586	106	336	- .377	.062	- .194	- .600
86	337	- .296	.058	.194	- .466	96	337	- .230	.026	.167	- .359	106	337	- .260	.024	- .183	- .326
86	349	- .814	.308	.063	-2.775	96	349	- .783	.398	.175	-2.528	106	349	- .418	.374	- .526	-2.031
86	901	- .870	.168	.250	-1.489	96	901	- .701	.131	.337	-1.197	106	901	- .605	.105	- .322	-1.096
88	137	- .694	.267	.181	-2.542	98	137	- .540	.152	.185	-1.951	108	137	- .463	.092	- .219	-1.276
88	143	- .650	.218	.149	-2.260	98	143	- .609	.175	.237	-1.781	108	143	- .535	.118	- .235	-1.155
88	152	- .549	.233	.016	-1.771	98	152	- .637	.223	.169	-2.087	108	152	- .546	.157	- .234	-2.038
88	207	- .349	.118	.032	-1.007	98	207	- .351	.099	.030	- .878	108	207	- .336	.070	- .104	- .569
88	301	- .356	.144	.015	-1.030	98	301	- .326	.088	.037	- .706	108	301	- .316	.058	- .116	- .549
88	315	- .458	.202	.008	-1.679	98	315	- .340	.100	.046	-1.071	108	315	- .329	.049	- .178	- .572
88	336	- .300	.080	.091	- .782	98	336	- .339	.068	.161	- .632	108	336	- .394	.064	- .220	- .651
88	337	- .253	.049	.161	- .435	98	337	- .238	.021	.171	- .321	108	337	- .257	.022	- .195	- .316
88	349	- .843	.325	.049	-2.306	98	349	- .728	.381	.375	-2.631	108	349	- .362	.364	- .555	-1.628
88	901	- .851	.161	.108	-1.437	98	901	- .672	.119	.353	-1.195	108	901	- .610	.109	- .283	-1.173

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
202	137	-309	121	-039	-989	212	137	-321	102	-043	-825	254	137	-333	159	053	-936
202	143	-162	084	-036	-789	212	143	-148	067	-018	-656	254	143	-159	071	020	-629
202	152	-135	057	-063	-482	212	152	-117	048	-039	-402	254	152	-125	057	059	-579
202	207	-693	228	-169	-1855	212	207	-882	293	-097	-2584	254	207	-486	182	1002	-102
202	301	-328	175	-899	-366	212	301	-445	178	937	-066	254	301	-717	256	-002	-1935
202	315	-203	147	-730	-241	212	315	-350	179	1000	-164	254	315	-641	240	163	-2074
202	336	-018	116	-535	-410	212	336	-042	112	559	-315	254	336	-435	229	452	-1679
202	337	-135	069	-399	-003	212	337	-166	063	384	-035	254	337	-375	208	140	-1338
202	349	-199	097	-066	-671	212	349	-261	089	009	-766	254	349	-254	068	-089	-564
202	901	-259	120	-162	-825	212	901	-214	075	115	-552	254	901	-136	059	053	-372
204	137	-315	126	-063	-1542	214	137	-327	109	-075	-1552	256	137	-313	148	023	-955
204	143	-160	083	-068	-687	214	143	-139	060	-023	-483	256	143	-168	072	084	-650
204	152	-138	056	-020	-410	214	152	-118	053	-049	-558	256	152	-124	049	124	-531
204	207	-720	240	-093	-2130	214	207	-853	299	-059	-2743	256	207	-483	189	1083	-123
204	301	-347	173	-949	-289	214	301	-479	181	998	-059	256	301	-810	276	-038	-1989
204	315	-241	158	-855	-274	214	315	-370	176	879	-196	256	315	-686	227	183	-1853
204	336	-008	116	-437	-405	214	336	-062	118	601	-276	256	336	-531	248	288	-2113
204	337	-147	060	-335	-012	214	337	-160	065	357	-009	256	337	-425	213	164	-1495
204	349	-229	100	-086	-619	214	349	-269	089	045	-646	256	349	-243	070	-064	-557
204	901	-270	115	-353	-765	214	901	-218	071	113	-496	256	901	-157	066	122	-421
206	137	-312	117	-031	-1027	216	137	-311	098	-054	-879	258	137	-292	136	055	-928
206	143	-143	072	-071	-583	216	143	-129	055	-045	-397	258	143	-161	059	001	-557
206	152	-131	053	-093	-405	216	152	-105	042	-023	-399	258	152	-126	050	071	-652
206	207	-809	234	-183	-2417	216	207	-717	274	-243	-2052	258	207	-463	169	985	-033
206	301	-381	164	-849	-161	216	301	-465	180	958	-072	258	301	-874	301	-198	-2310
206	315	-237	157	-826	-261	216	315	-400	168	905	-213	258	315	-699	235	069	-2167
206	336	-016	127	-499	-358	216	336	-068	115	653	-325	258	336	-548	244	091	-1952
206	337	-157	057	-306	-005	216	337	-148	065	345	-002	258	337	-469	240	104	-1725
206	349	-221	094	-059	-740	216	349	-271	082	042	-549	258	349	-222	061	-061	-483
206	901	-249	102	-176	-666	216	901	-191	071	-088	-453	258	901	-164	071	035	-474
208	137	-300	109	-038	-1059	218	137	-320	096	-054	-775	260	137	-295	142	081	-970
208	143	-142	072	-008	-575	218	143	-130	056	-099	-506	260	143	-179	071	038	-751
208	152	-120	045	-007	-388	218	152	-103	040	-020	-362	260	152	-129	048	039	-456
208	207	-852	273	-142	-2728	218	207	-633	255	358	-1795	260	207	-442	173	994	-119
208	301	-398	176	-943	-219	218	301	-483	176	1036	-048	260	301	-984	299	-198	-2567
208	315	-300	169	-829	-396	218	315	-442	173	1001	-069	260	315	-744	209	-177	-2072
208	336	-027	130	-615	-381	218	336	-070	111	528	-255	260	336	-630	250	018	-1961
208	337	-151	058	-347	-005	218	337	-140	048	328	-002	260	337	-548	239	034	-1753
208	349	-224	095	-056	-630	218	349	-274	084	037	-609	260	349	-240	064	-068	-515
208	901	-237	096	-144	-752	218	901	-176	071	055	-447	260	901	-192	073	104	-449
210	137	-305	106	-014	-986	252	137	-369	156	-036	-1014	262	137	-268	134	026	-907
210	143	-144	068	-044	-921	252	143	-168	081	-005	-918	262	143	-165	055	-012	-567
210	152	-117	047	-035	-368	252	152	-131	067	-101	-533	262	152	-125	039	024	-446
210	207	-917	313	-145	-2664	252	207	-514	181	988	-116	262	207	-412	169	968	-088
210	301	-408	177	-909	-297	252	301	-648	241	094	-1650	262	301	-980	301	-260	-2201
210	315	-321	163	-926	-217	252	315	-558	257	441	-1626	262	315	-723	204	-114	-1888
210	336	-041	128	-615	-343	252	336	-459	245	270	-1962	262	336	-605	263	-043	-2097
210	337	-153	061	-369	-007	252	337	-308	211	242	-1217	262	337	-572	251	016	-2032
210	349	-249	090	-033	-570	252	349	-270	072	-100	-588	262	349	-218	058	-053	-498
210	901	-232	081	-137	-577	252	901	-114	057	079	-350	262	901	-185	077	113	-446

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN	WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
264	137	- .251	.127	- .065	- .962	272	301	- .702	.209	- .181	-2 .129	280	337	- .598	.169	- .206	-1 .498
264	143	- .169	.050	- .038	- .592	272	315	- .583	.186	- .098	-1 .854	280	349	- .198	.055	- .046	- .405
264	152	- .121	.040	- .099	- .476	272	336	- .671	.236	- .093	-2 .601	280	901	- .276	.102	- .035	- .664
264	207	- .415	.164	- .899	- .112	272	337	- .682	.250	- .122	-2 .621	282	137	- .225	.052	- .043	- .616
264	301	- .967	.302	- .220	-2 .471	272	349	- .195	.054	- .007	- .462	282	143	- .233	.043	- .109	- .395
264	315	- .725	.196	- .191	-1 .903	272	901	- .198	.102	- .102	- .746	282	152	- .137	.037	- .018	- .425
264	336	- .671	.280	- .114	-2 .837	274	137	- .196	.080	- .047	-1 .136	282	207	- .282	.133	- .763	- .181
264	337	- .619	.255	- .057	-1 .868	274	143	- .195	.045	- .001	- .478	282	301	- .461	.087	- .298	- .843
264	349	- .215	.060	- .059	- .483	274	152	- .123	.039	- .044	- .391	282	315	- .412	.082	- .154	- .923
264	901	- .195	.089	- .105	- .570	274	207	- .327	.159	- .867	- .232	282	336	- .632	.139	- .261	-1 .302
266	137	- .243	.123	- .164	- .888	274	301	- .661	.183	- .224	-1 .516	282	337	- .623	.143	- .281	-1 .292
266	143	- .173	.056	- .004	- .682	274	315	- .543	.171	- .132	-1 .816	282	349	- .225	.063	- .014	- .501
266	152	- .122	.042	- .081	- .430	274	336	- .689	.232	- .191	-2 .317	282	901	- .342	.100	- .068	- .663
266	207	- .380	.169	- .916	- .187	274	337	- .677	.240	- .151	-2 .218	284	137	- .224	.044	- .004	- .459
266	301	- .920	.287	- .270	-2 .208	274	349	- .210	.062	- .064	- .491	284	143	- .237	.042	- .074	- .393
266	315	- .720	.201	- .146	-1 .858	274	901	- .221	.103	- .065	- .674	284	152	- .132	.036	- .011	- .351
266	336	- .677	.275	- .130	-2 .173	276	137	- .197	.073	- .012	- .692	284	207	- .274	.131	- .666	- .225
266	337	- .665	.271	- .039	-2 .085	276	143	- .191	.043	- .003	- .481	284	301	- .452	.079	- .219	- .865
266	349	- .216	.061	- .033	- .507	276	152	- .122	.037	- .013	- .353	284	315	- .396	.072	- .179	- .892
266	901	- .211	.095	- .102	- .654	276	207	- .299	.161	- .955	- .343	284	336	- .604	.128	- .177	-1 .163
268	137	- .223	.120	- .095	- .893	276	301	- .591	.153	- .170	-1 .297	284	337	- .610	.136	- .225	-1 .378
268	143	- .168	.046	- .020	- .485	276	315	- .498	.142	- .137	-1 .306	284	349	- .228	.062	- .050	- .530
268	152	- .119	.039	- .040	- .396	276	336	- .633	.218	- .124	-2 .277	284	901	- .230	.094	- .011	- .638
268	207	- .342	.169	- .817	- .229	276	337	- .655	.210	- .180	-1 .911	286	137	- .230	.046	- .076	- .587
268	301	- .845	.272	- .231	-2 .410	276	349	- .206	.057	- .039	- .482	286	143	- .258	.044	- .113	- .421
268	315	- .682	.210	- .108	-1 .964	276	901	- .236	.108	- .142	- .705	286	152	- .132	.038	- .036	- .438
268	336	- .674	.277	- .046	-2 .361	278	137	- .198	.065	- .044	- .728	286	207	- .246	.131	- .703	- .251
268	337	- .652	.260	- .018	-1 .965	278	143	- .201	.042	- .071	- .406	286	301	- .437	.070	- .227	- .808
268	349	- .198	.056	- .009	- .466	278	152	- .125	.037	- .020	- .362	286	315	- .390	.064	- .169	- .648
268	901	- .198	.097	- .085	- .582	278	207	- .290	.151	- .738	- .295	286	336	- .601	.126	- .267	-1 .183
270	137	- .214	.114	- .156	- .969	278	301	- .541	.134	- .156	-1 .421	286	337	- .594	.124	- .300	-1 .211
270	143	- .171	.045	- .022	- .493	278	315	- .460	.123	- .180	-1 .082	286	349	- .244	.068	- .014	- .493
270	152	- .115	.040	- .058	- .366	278	336	- .628	.186	- .241	-1 .817	286	901	- .292	.087	- .022	- .704
270	207	- .341	.166	- .861	- .214	278	337	- .621	.178	- .190	-1 .483	288	137	- .230	.042	- .022	- .485
270	301	- .765	.230	- .196	-2 .306	278	349	- .210	.064	- .024	- .510	288	143	- .263	.042	- .112	- .465
270	315	- .636	.192	- .142	-2 .169	278	901	- .261	.106	- .067	- .870	288	152	- .128	.036	- .024	- .370
270	336	- .700	.278	- .170	-2 .492	280	137	- .197	.060	- .076	- .651	288	207	- .224	.124	- .638	- .178
270	337	- .678	.266	- .104	-2 .232	280	143	- .203	.042	- .042	- .431	288	301	- .436	.070	- .218	- .715
270	349	- .201	.058	- .010	- .421	280	152	- .121	.039	- .011	- .449	288	315	- .382	.060	- .184	- .724
270	901	- .201	.102	- .120	- .655	280	207	- .272	.147	- .795	- .217	288	336	- .590	.118	- .224	-1 .026
272	137	- .198	.092	- .149	- .730	280	301	- .495	.126	- .137	-1 .800	288	337	- .591	.120	- .279	-1 .141
272	143	- .170	.043	- .031	- .452	280	315	- .412	.106	- .126	-1 .063	288	349	- .247	.064	- .068	- .527
272	152	- .117	.039	- .128	- .445	280	336	- .596	.168	- .202	-1 .661	288	901	- .399	.086	- .071	- .684
272	207	- .325	.169	- .905	- .173												