WIND-TUNNEL STUDY OF ENERGY CENTER TWO, DENVER

by

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LIST OF SYMBOLS

Symbol	Definition
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, $\frac{\left((p-p_\infty)-(p-p_\infty)_{mean}\right)_{rms}}{0.5\ \rho\ U_\infty^2}$
$C_{p_{max}}$	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
p	Fluctuating pressure at a pressure tap on the structure
p_∞	Static pressure in the wind tunnel above the model

Symbol	Definition
F_x, F_y	Forces in X,Y direction
M_x, M_y, M_z	Moments about X,Y,Z axes
A_R	Reference Area
L_R	Reference Length
CF_X	Force coefficient, X direction, $\dfrac{F_x}{A_R\ 0.5\rho\ U_\infty^2}$
CF_Y	Force coefficient, Y direction, $\dfrac{F_y}{A_R\ 0.5\rho\ U_\infty^2}$
CM_X	Moment coefficient, X axis, $\dfrac{M_x}{A_R H_R\ 0.5\rho\ U_\infty^2}$
CM_Y	Moment coefficient, Y axis, $\dfrac{M_y}{A_R H_R\ 0.5\rho\ U_\infty^2}$
CM_Z	Moment coefficient, Z axis, $\dfrac{M_z}{A_R H_R\ 0.5\rho\ U_\infty^2}$

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 during the past decade 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 window 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 ($>2\times10^4$) 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 15 degrees and another set of data recorded for each pressure tap. Normally, 24 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. dia) 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 wind directions, rotating the entire model assembly in a complete circle. Seventy-six pieces of 1/16 in. I.D. plastic tubing each 18 in. long 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 stopping 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 Statham differential strain gage transducers (Model PM 283TC) with a 0.15 psid range. They were selected because of their stability and linearity in the required working range. The resonant frequency of the transducers is approximately 2,000 Hz. This is sufficiently high that transducer resonance effects on the measured pressures can be ignored. Reference pressures are obtained by connecting the reference sides of the four transducers, using plastic tubing, to the static side of a pitot 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.

Each pressure transducer contains a built-in bridge similar to a Wheatstone Bridge. The bridge is monitored by a Honeywell Accudata 118 Gage Control/Amplifier unit which provides excitation to the transducer bridge and amplifies the bridge output. These instruments are characterized by a very stable excitation voltage and amplifier gain. Output from the Honeywell signal conditioners 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 convertor. 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 feet (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. dia platinum film sensing element 0.020 in. long. Output is read from a digital voltmeter with a time-constant circuit for mean voltage and a DISA RMS meter (Model 55035) for rms voltage.

Calibration of the hot-wire anemometer is performed using a Thermo Systems calibrator (Model 1125). 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 were divided by the mean velocity outside the boundary-layer U_∞.

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 Figures 7a and 7b. These profiles were taken upstream from the model and are characteristic of the boundary-layer approaching the model. As shown in Figure 7a, the boundary-layer thickness, δ, was 50 in. The corresponsing prototype value of δ for this study is shown in Figure 7a. This value was established as a reasonable height for this study. The mean velocity profile 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 7a.

The profile of longitudinal turbulence intensity is shown in Figure 7b. The turbulence intensities are appropriate for the approach mean velocity profile selected. For the purpose of this report, turbulence intensity is defined as the root-mean-square about the mean of the longitudinal velocity fluctuations divided by the reference mean velocity

U_∞ at the outer edge of the boundary layer,

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

A 'peak' velocity representing roughly the largest effective gust velocity was calculated,

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

Mean velocity U/U_∞, turbulence intensity U_{rms}/U_∞, and largest effective gust at the pedestrian measuring positions shown in Figure 4 are listed in Table 2 for 16 wind directions and are plotted in polar form in Figures 8a, 8b, etc. 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 to 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 9a, 9b, etc.

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). The Beaufort scale, 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. Included in Section 5.2 is an analysis of the percent of time that the 12 and 24 mph magnitude are exceeded by mean winds and implications for pedestrian comfort.

The peak gust values require a somewhat different interpretation. 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 less than one of these gusts per hour). Evidence suggests that gusts greater than about 35 mph in magnitude can be a major impediment to pedestrians, particularly the elderly. Most measuring locations experience winds in which gusts of 35 mph or higher occur much less frequently than the 24 mph mean winds. Implications of these data 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

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

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

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

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

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

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

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

If the pressure fluctuations followed a Gaussian probability distribution, no additional data would be required to predict the

frequency with which any given pressure level would be observed. However, the pressure fluctuations do not 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 absolute value of peak pressure coefficient. Table 6 provides these pressure coefficients 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 (5). 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 (6).

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. For glass design pressures, a glass load factor is used to account for the different duration of measured peak pressures and the one minute loading used in glass design charts. Recent research (6) 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 values, then a glass strength associated with this

duration load is indicated. If the glass design is based on some alternate load duration--say 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 (8). A glass load factor of 0.73 on the reference pressure was used to convert the short 5-10 second pressure peaks to one minute loads typically cited in glass selection charts.

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. Loadings appropriate for glass design were computed by multiplying the reference pressure by the peak coefficients of Table 6 with application of the 0.73 load factor. Table 6 shows both of these results. The maximum psf load given at each tap location is the absolute value of the maximum value found in the tests, irrespective of its algebraic sign. For ease in visualizing the loads on the structure, contours of equal peak pressures for glass design shown in Table 6 have been plotted on developed elevation views of the structure, Figure 10. Loads appropriate for design of mullions or other cladding elements can be obtained by using the loads of Table 6 or multiplying the loads of Figure 10 by 1.37.

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 the 24 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 may be obtained from use of these coefficients which is useful in designing the structural framing of the proposed building.

Force and moment coefficients were computed using the equations shown below.

$$CF_X = \frac{F_X}{A_R\ 0.5\rho\ U_\infty^2} \qquad CM_X = \frac{M_X}{A_R H_R\ 0.5\rho\ U_\infty^2}$$

$$CF_Y = \frac{F_Y}{A_R\ 0.5\rho\ U_\infty^2} \qquad CM_Y = \frac{M_Y}{A_R H_R\ 0.5\rho\ U_\infty^2}$$

$$CM_Z = \frac{M_Z}{A_R H_R\ 0.5\rho\ U_\infty^2}$$

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, and moment coefficients CM_X, CM_Y and CM_Z were computed for moments M_X, M_Y and M_Z acting about the X, Y and Z axes. A_R and H_R represent a constant reference area and reference length for nondimensionalization of the forces and moments. Values of A_R and H_R are given in Table 7. The signs on the moments are determined by application of the right-hand rule. The force and

moment coefficients were computed using the mean pressure coefficient at each pressure tap. The resulting force and moment coefficients are shown in Table 7 for the 24 wind directions tested in the wind tunnel. Data are presented for the building as a whole and by floor if requested.

The total forces and moments acting on the building for each wind direction may be computed by multiplying the above coefficients by the reference pressure of Table 5 and 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. Forces and moments calculated by application of the reference pressure and load factor are shown in Table 7. A table of gust load factors for various gust durations is incorporated in Table 5 so that the data of Table 7 may be adjusted to a different load duration if desired.

DISCUSSION

5.1 Flow Visualization

Flow patterns about the Energy Center Two building showed the possibility of high negative pressures on the diagonal corners near the top of the structure due to high velocities in the flow adjacent to separated regions on these corners. Most other areas about the structure showed flow characteristics indicating moderate pressures. Velocities at ground level showed relatively high velocities near corners of the structure for limited ranges of wind direction and some tendency for moderate velocities in the drive-through passageways. Higher winds near the corners of tall buildings are not uncommon in city environments. Winds near entrances of the structure showed low velocities for almost all wind directions.

5.2 Pedestrian Winds

Figure 4 shows the 16 pedestrian locations selected for study. Location 1 was selected as a reference location which should be reasonably undisturbed by presence of the Energy Center Two building. Locations 6, 7, 12, and 13 were placed under covered passages. Table 2 and Figure 8 show that the largest values of mean velocity were measured at locations 5 and 6 with values ranging from 70 to 90 percent of U_∞ for northeast to east winds. These percentage values are higher than usually found near corners of tall buildings. Several locations showed values above 60 percent for single wind directions. The largest value of mean velocity at reference location 1 was 47 percent of U_∞.

The largest values of fluctuating velocity, R_{rms}, were measured at location 8 with values of 28 and 21.5 percent of U_∞ for wind

azimuths of 45 and 67.5 degrees. Almost all other values were less than 20 percent indicating few locations with high turbulence levels. The largest values of peak gust, represented by the mean plus three rms as discussed in section 4.2, were obtained at location 8 with 140 and 132 percent of U_∞ for wind azimuths of 45 and 67.5 degrees--the same conditions for which maximum rms velocities were measured. Most locations had peak gust values less than 100 percent for all wind directions. Location 1 showed a maximum percentage of 91 percent.

Velocity data integrated with local wind data is shown in Figure 9. Based on the data of this figure, mean winds will be above 12 mph, the level where winds become significant, for a maximum of about 9 percent of the time at locations 5, 9, 13, and 14. The reference location 1 showed mean winds above 12 mph less than 3 percent of the time. The largest percentage times when mean winds will be above 24 mph, the limit of agreeable winds on land, is 0.7 to 0.9 percent for locations 5 and 6 and less than 0.4 percent for all other locations. The largest percent of time when peak gusts could reach 35 mph occurred at location 5 with about 1.5 percent. Locations 8 and 14 were about 1 percent with other locations showing smaller percentages; reference location 1 was about 0.4 percent.

The results of the pedestrian velocity analysis showed that the pedestrian environment about the Energy Center Two building will be moderate with little pedestrian discomfort except at a few locations for specific wind directions on high wind days. The worst areas will be in the vicinity of locations 5, 6, 8, and 14. Remedial action will probably not be required.

5.3 Pressures

Table 6 shows the largest pressure coefficients and loads measured on the building for each pressure tap location. The largest pressure coefficients measured on the Energy Center Two building were -3.51, -3.23, and -3.04 at taps 2008, 4008, and 2003 respectively. These coefficients correspond, using the reference pressure and glass load factor of Table 5, to peak cladding loads of 98, 90, and 85 psf and 1-minute-equivalent glass loads of 72, 66, and 62 psf. These occurred on the flat faces of the building immediately adjacent to the diagonal corners. The high pressures in these regions are consistent with flow visualization studies.

Figure 10 shows glass and cladding pressure contours on the building for the 50-year-recurrence-wind reference pressure of Table 5. Except for the upper corners of the building and a few isolated locations, the pressures on the building are moderately low.

REFERENCES

1. Cermak, J. E., "Laboratory Simulation of the Atmospheric Boundary Layer," AIAA Jl., Vol. 9, September 1971.

2. Cermak, J. E., "Applications of Fluid Mechanics to Wind Engineering," A Freeman Scholar Lecture, ASME Jl. of Fluids Engineering, Vol. 97, No. 1, March 1975.

3. Cermak, J. E., "Aerodynamics of Buildings," Annual Review of Fluid Mechanics, Vol. 8, 1976, pp. 75-106.

4. Penwarden, A. D., and Wise, A. F. E., "Wind Environment Around Buildings," Building Research Establishment Report, HMSO, 1975.

5. American National Standards Institute, "American National Standard Building Code Requirements for Minimum Design Loads in Buildings and Other Structures," ANSI Standard A58.1, 1972.

6. Vellozzi, J., and Cohen, C., "Gust Response Factors," Jl. Structural Div., ASCE, Proc. Paper No. 5980, Vol. 94, No. ST6, 1968.

7. Peterka, J. A., and Cermak, J. E., "Peak-Pressure Duration in Separated Regions on a Structure," U.S.-Japan Research Seminar on Wind Effects on Structures, Kyoto, Japan, 9-13 September 1974; Report CEP74-75JAP-JEC8, Fluid Mechanics Program, Colorado State University, September 1974.

8. Architectural Glass Products, Pittsburgh Plate Glass Industries, January 1975.

FIGURES

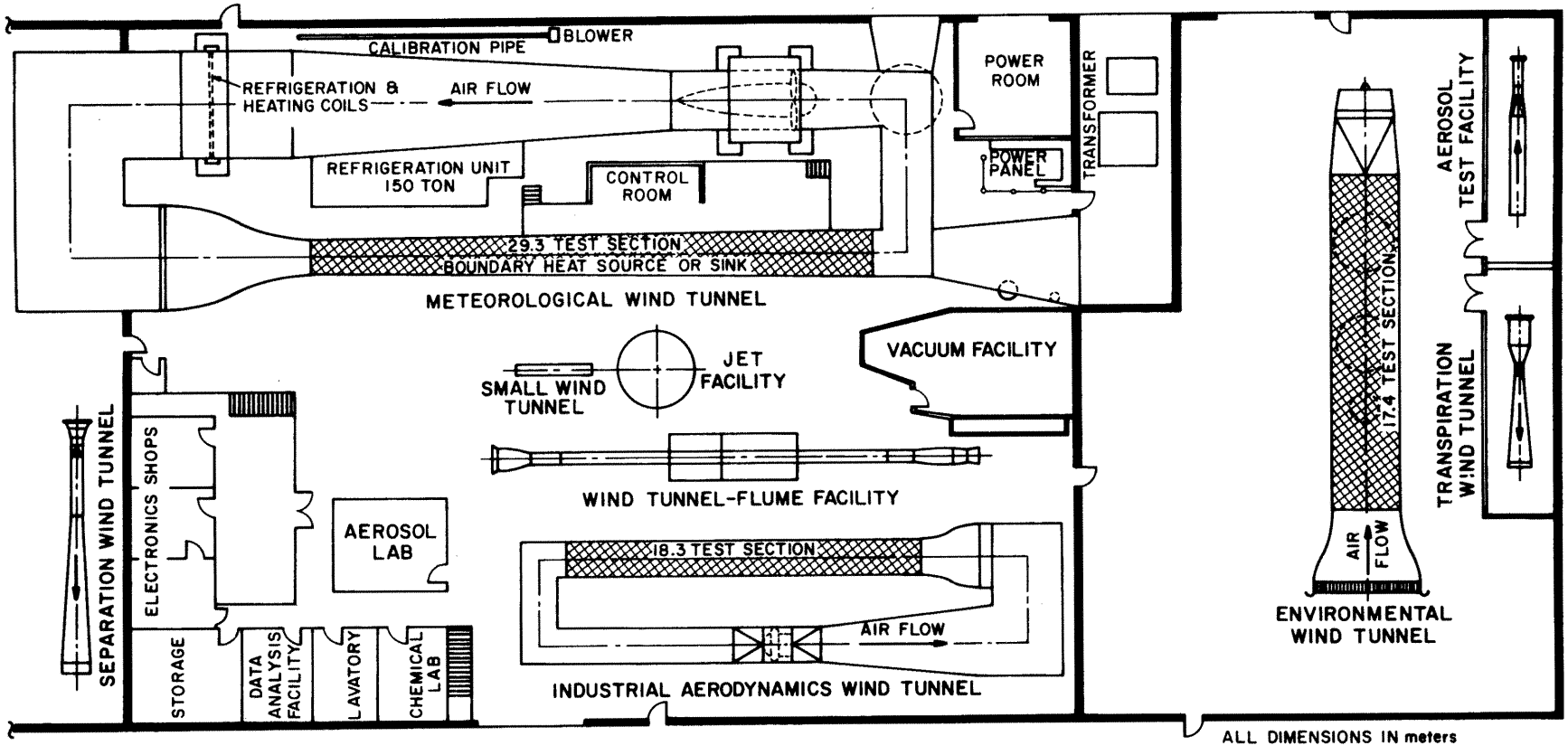
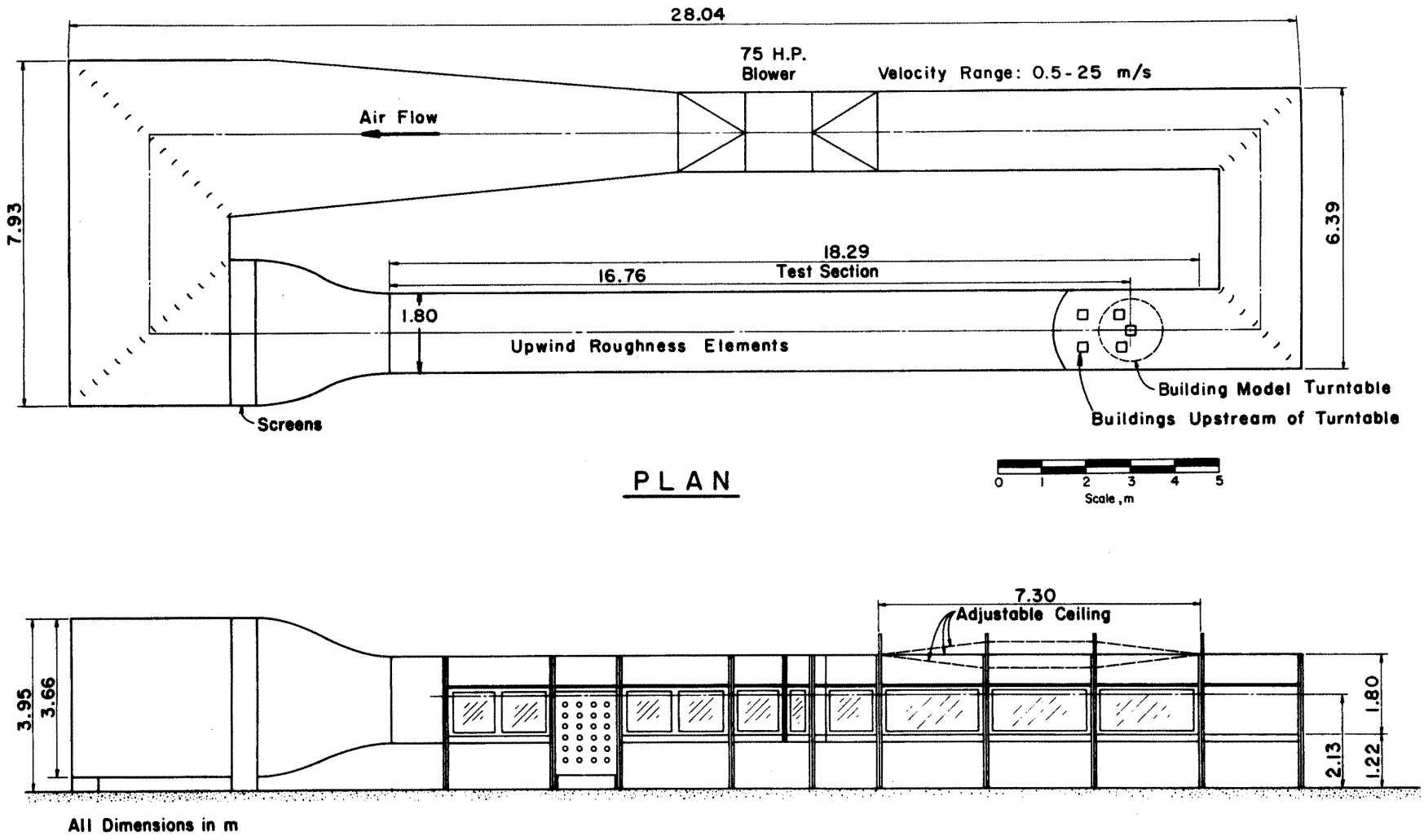
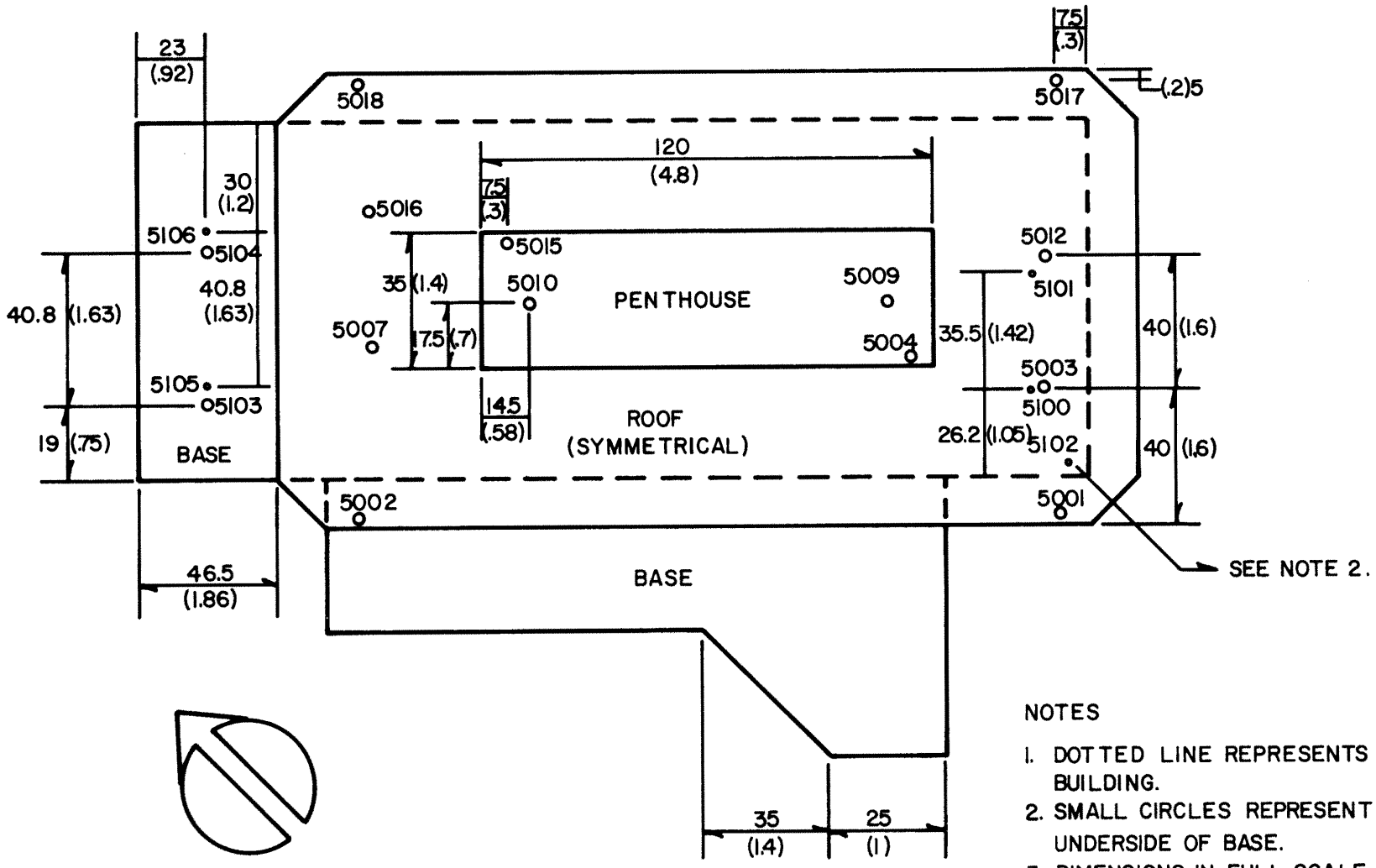


Figure 1. Fluid Dynamics and Diffusion Laboratory Colorado State University



INDUSTRIAL AERODYNAMICS WIND TUNNEL

Figure 2 - Wind Tunnel Configuration



NOTES

1. DOTTED LINE REPRESENTS BASE OF BUILDING.
2. SMALL CIRCLES REPRESENT TAPS ON UNDERSIDE OF BASE.
3. DIMENSIONS IN FULL SCALE FEET AND MODEL INCHES.
4. TOTAL TAPS 543.
5. MODEL SCALE 1/300

Figure 3a. Pressure Tap Locations

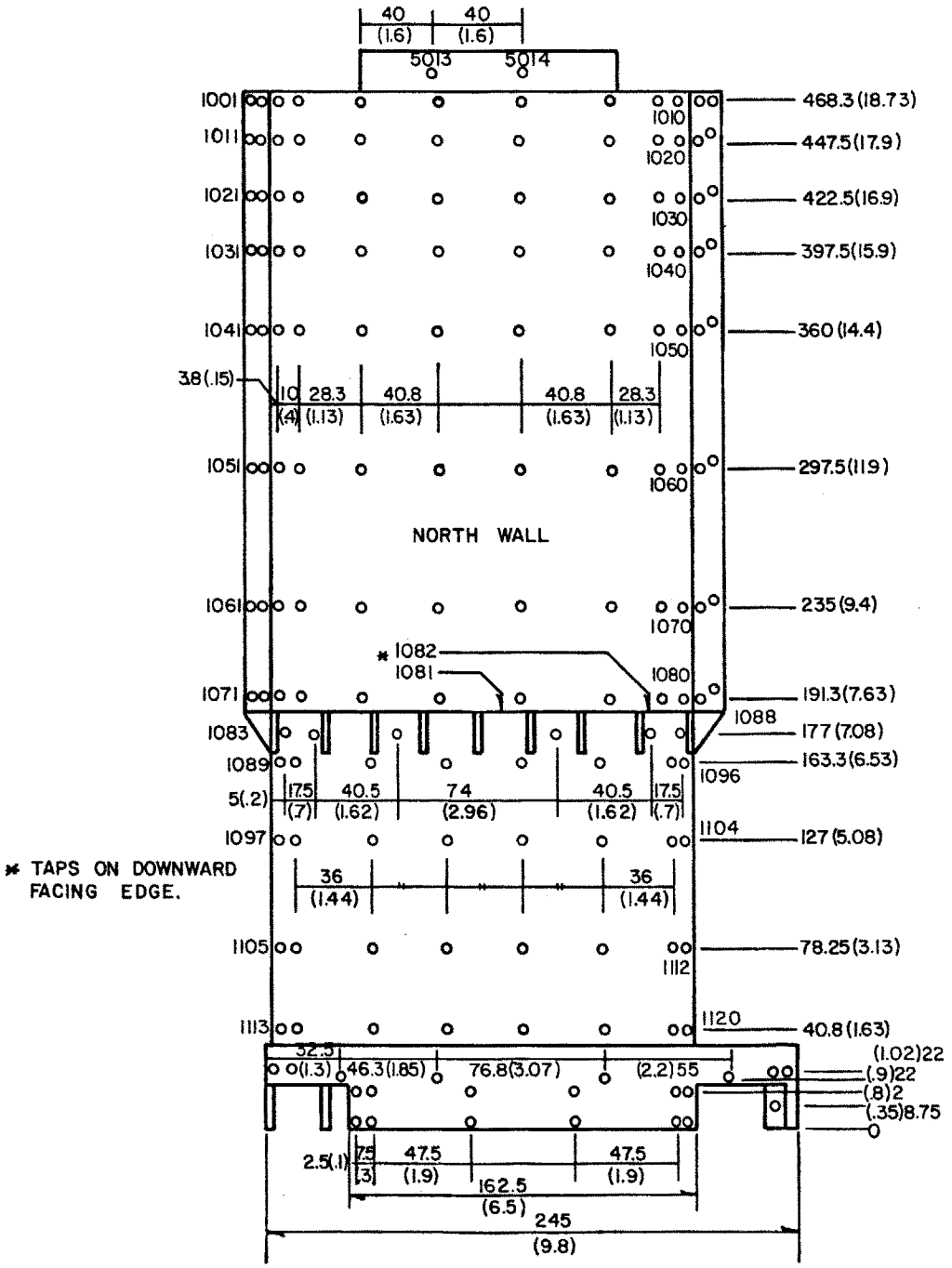


Figure 3b. Pressure Tap Locations

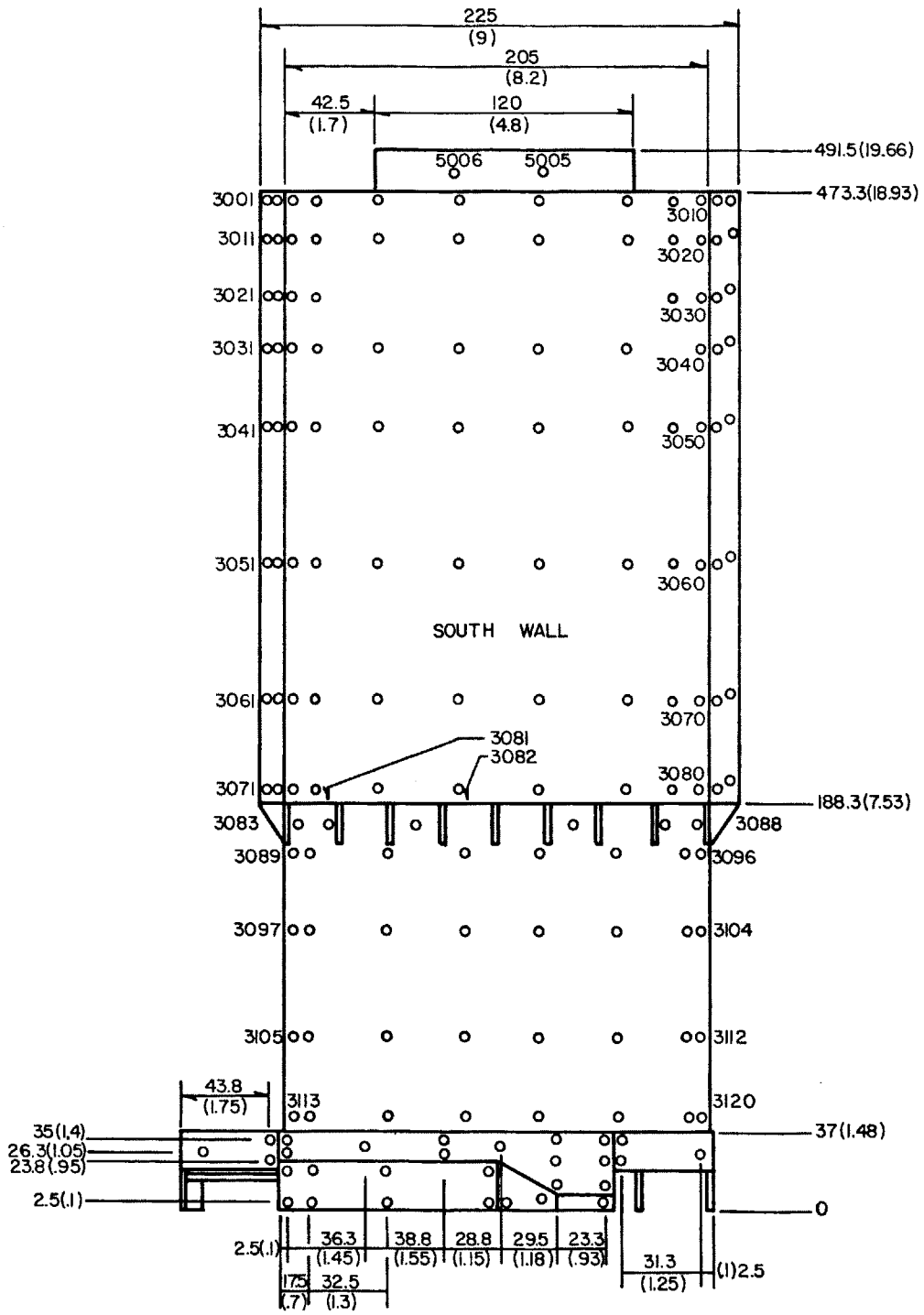


Figure 3c. Pressure Tap Locations

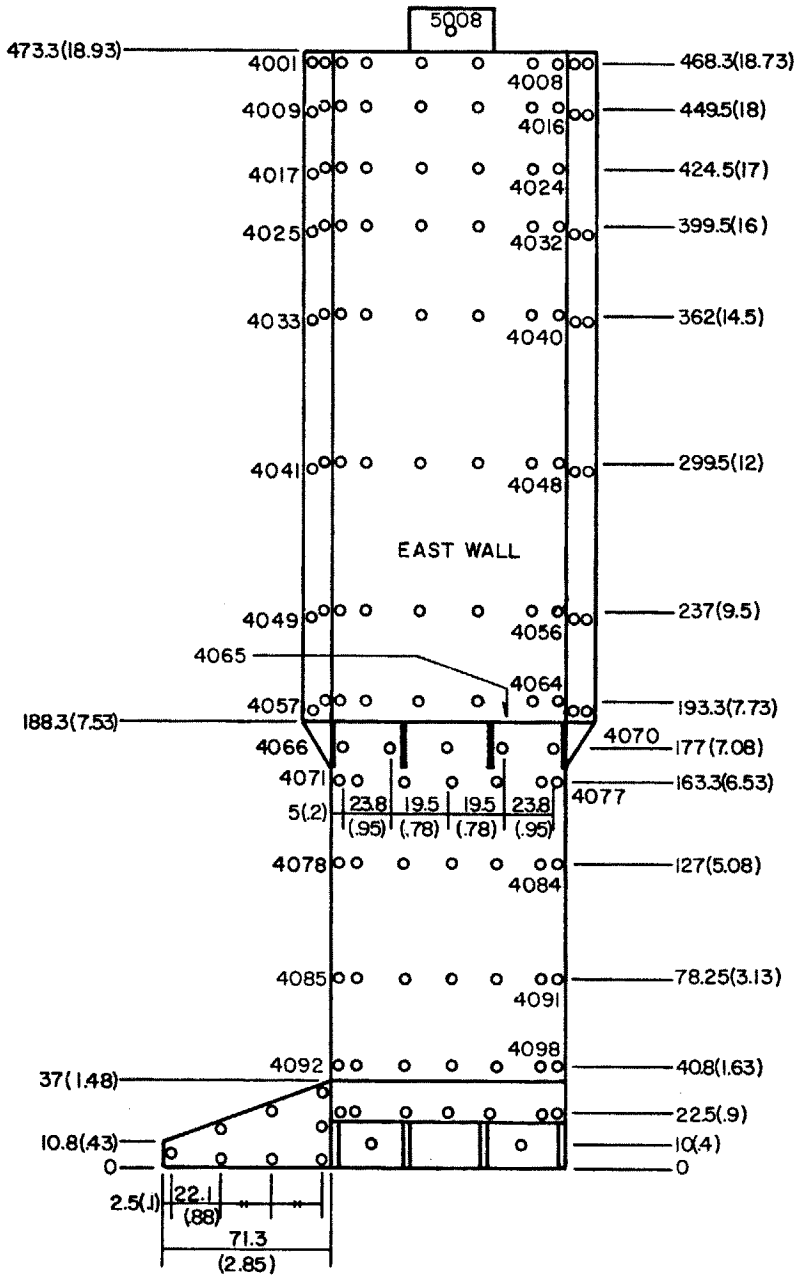


Figure 3d. Pressure Tap Locations

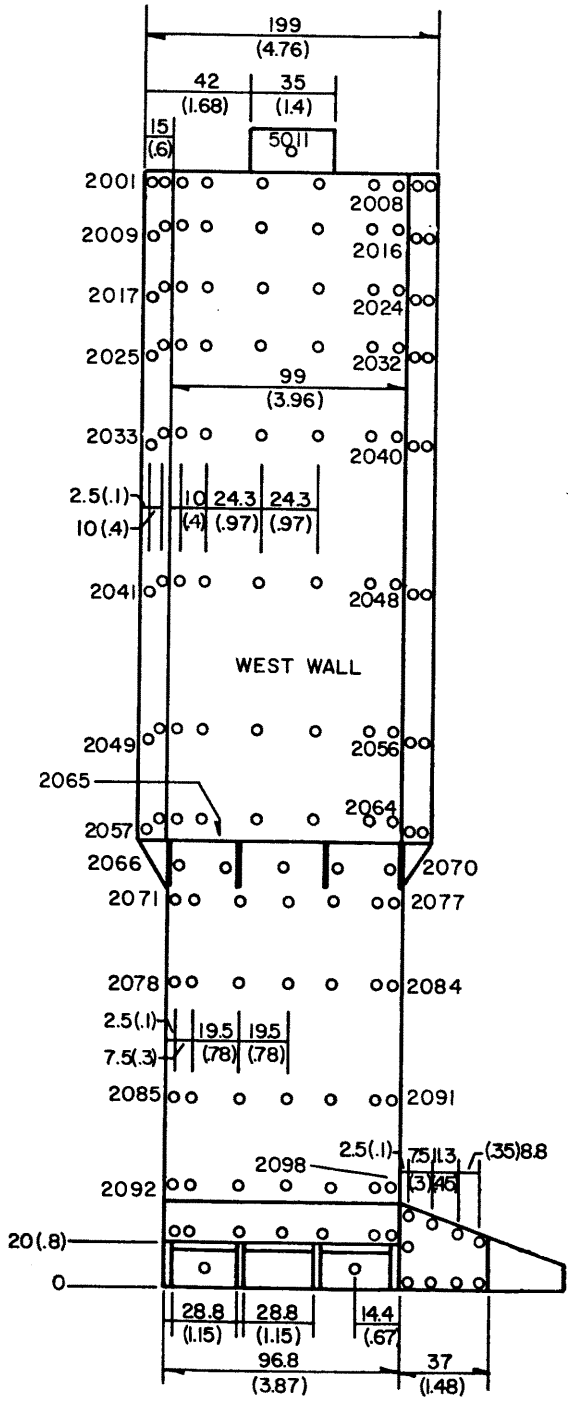
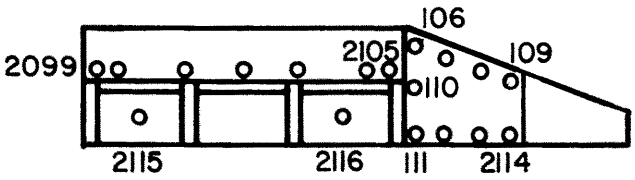
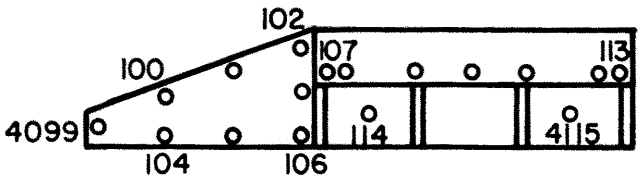


Figure 3e. Pressure Tap Locations

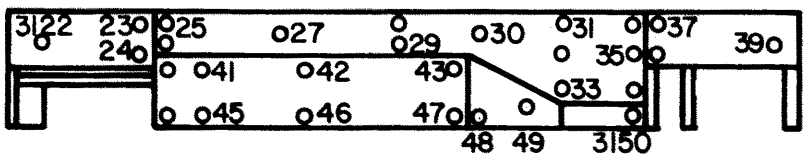


WEST

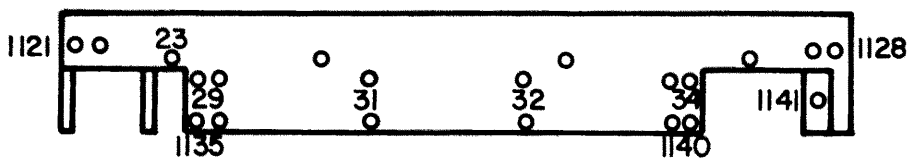


EAST

BASE ELEVATIONS WITH TAP NUMBERS



SOUTH



NORTH

Figure 3f. Pressure Tap Locations

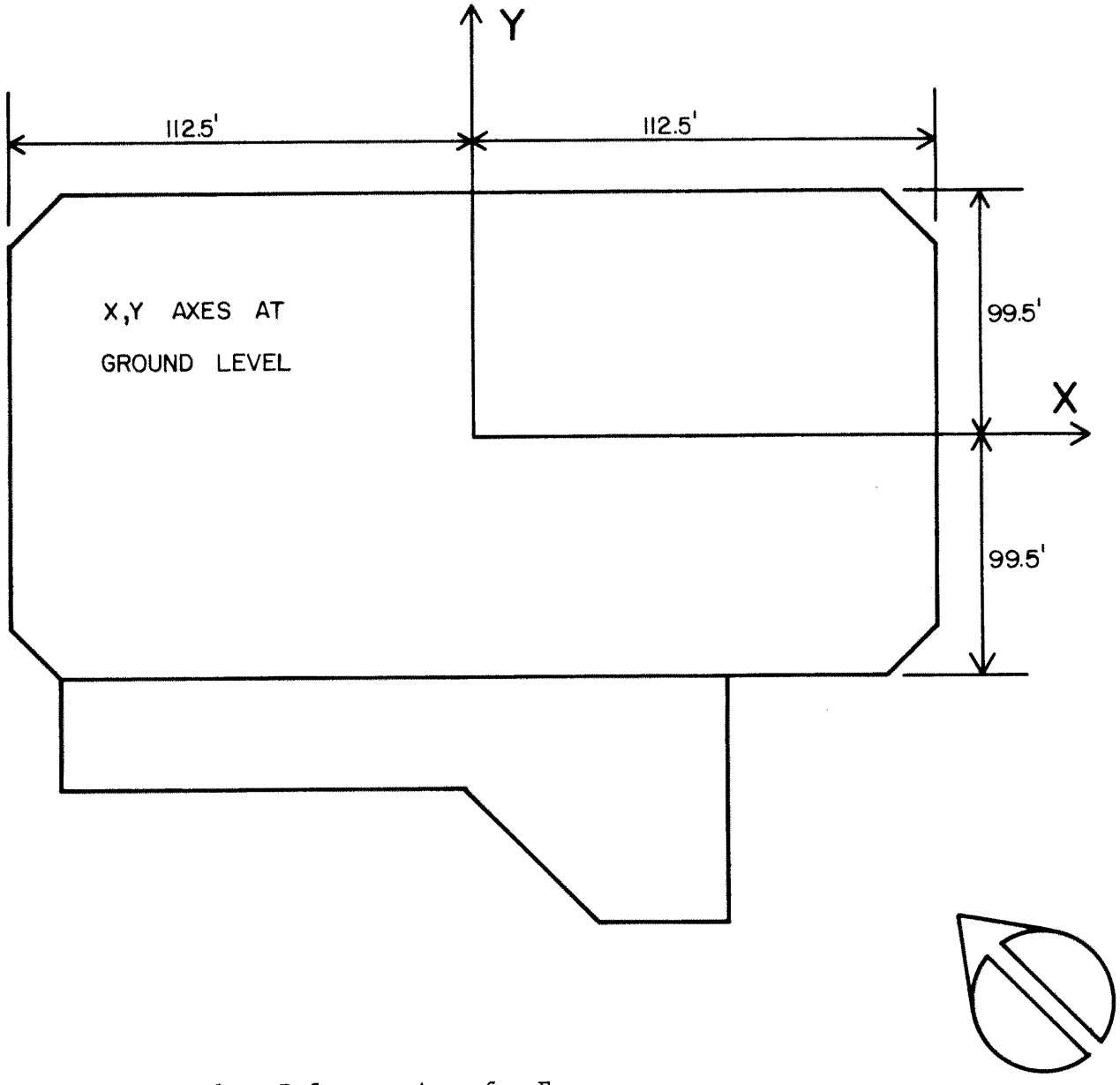


Figure 3g. Reference Axes for Force and Moment Data

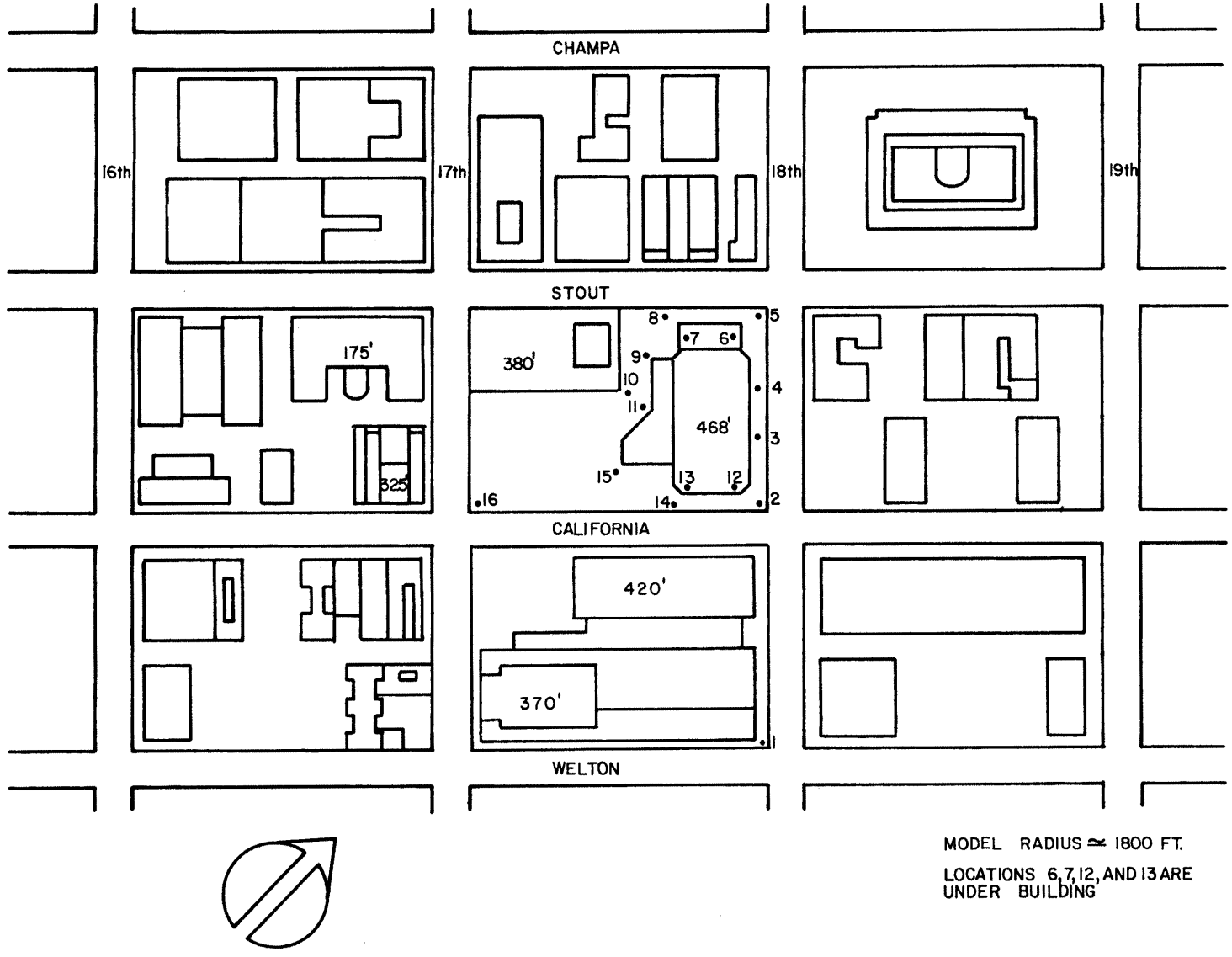


Figure 4. Building Location and Pedestrian Wind Velocity Measuring Positions

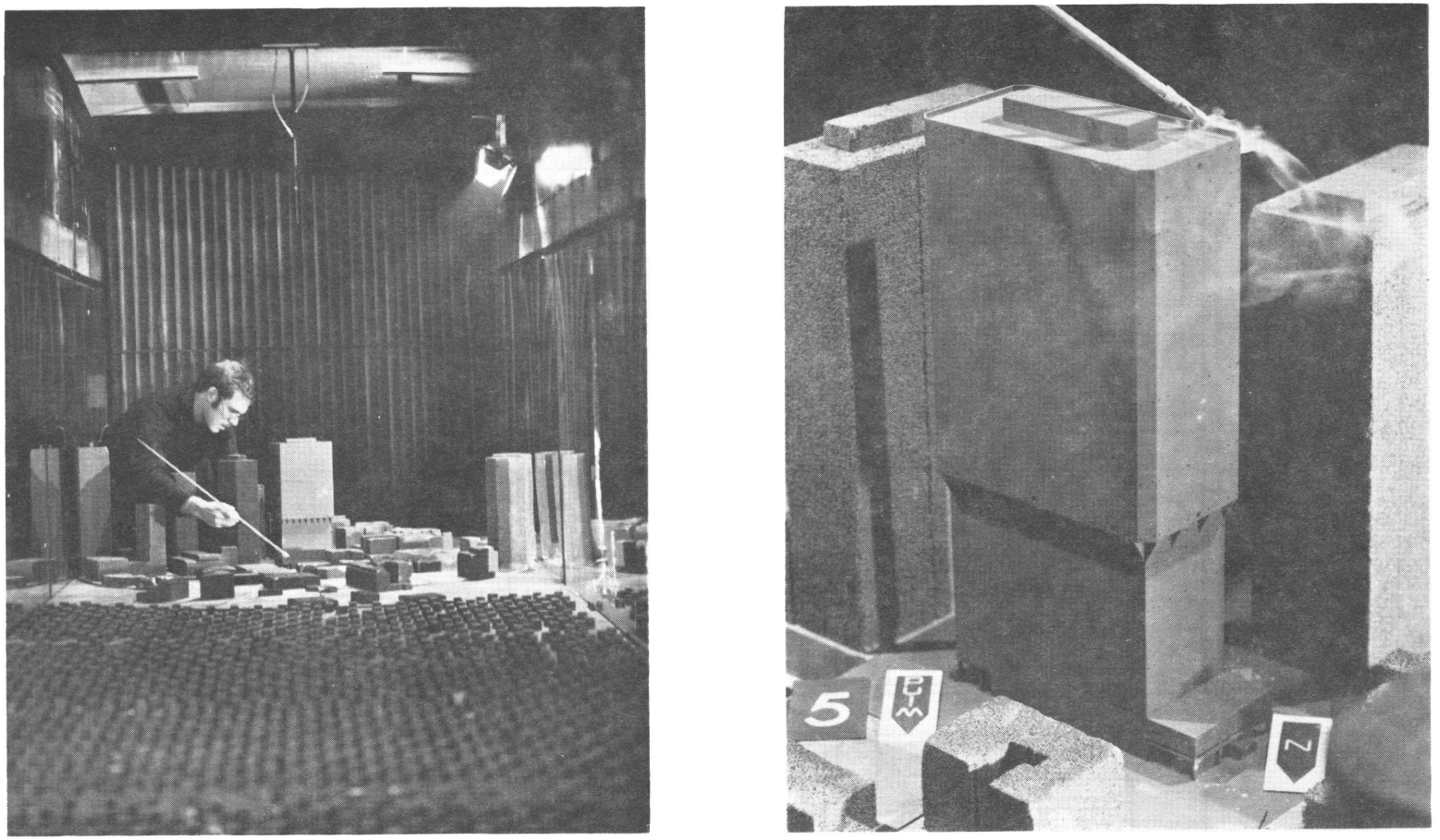


Figure 5. Completed Model in Wind Tunnel.

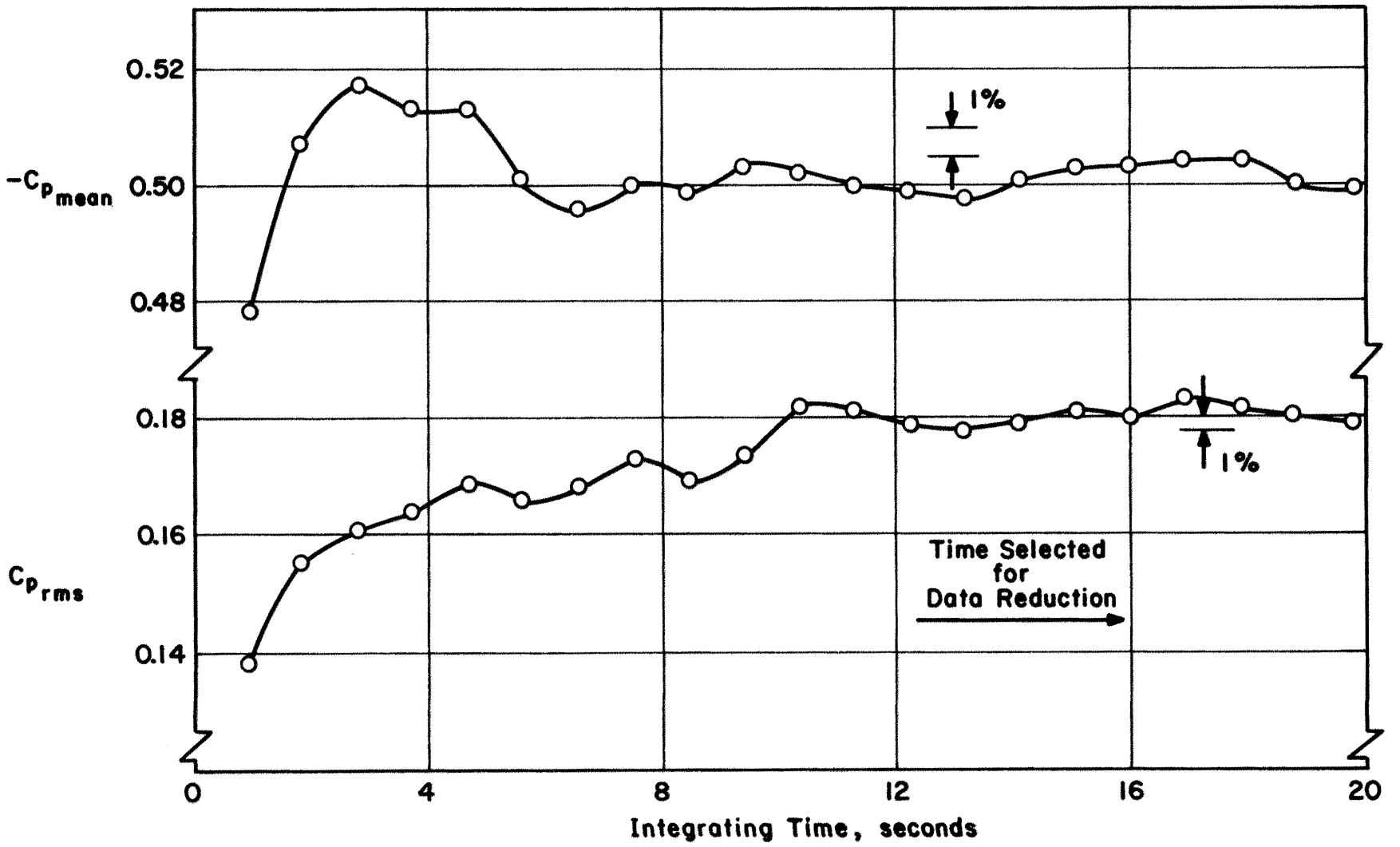


Figure 6 - Data Sampling Time Verification

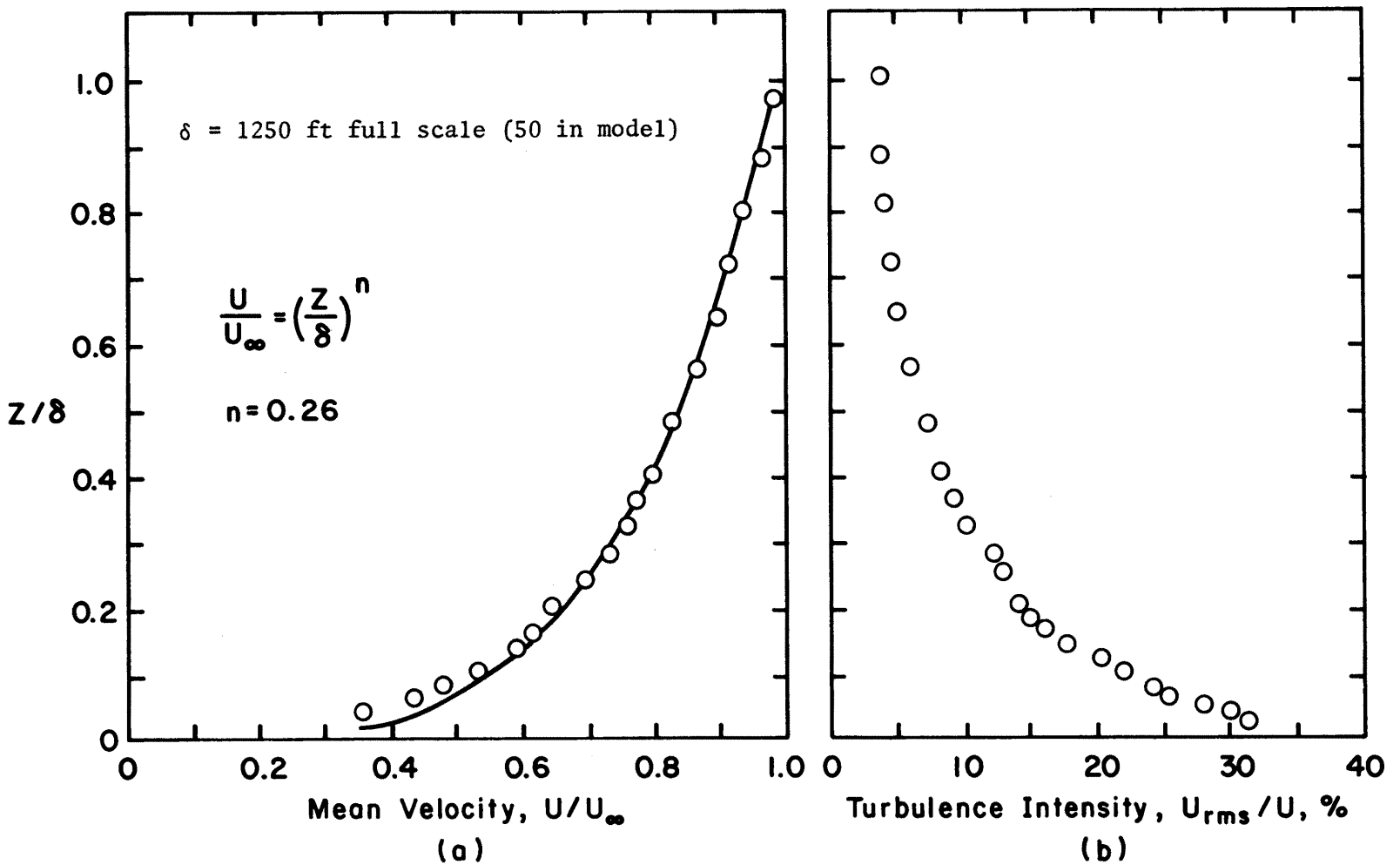


Figure 7 - Velocity and Turbulence Profiles Approaching the Model

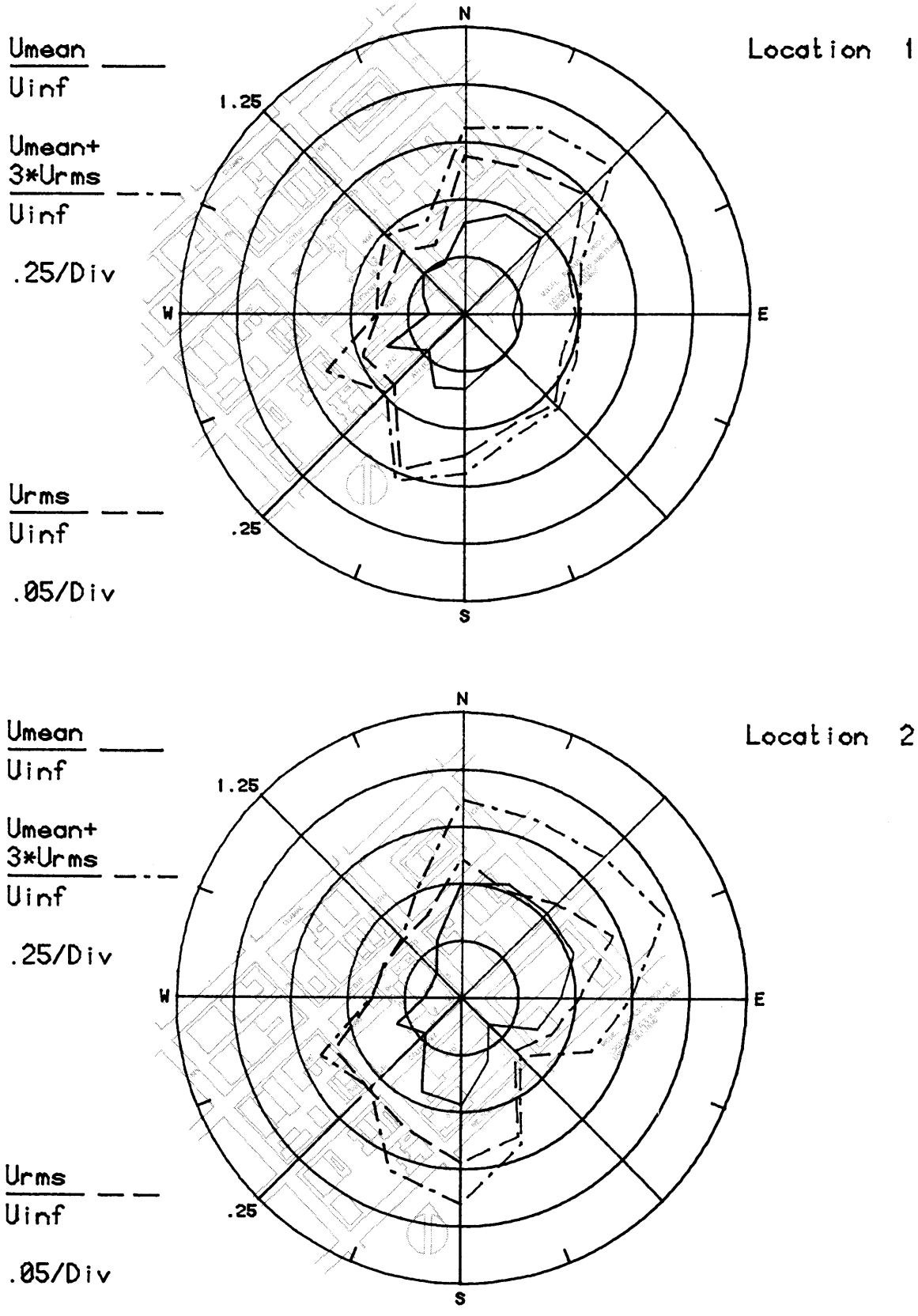


Figure 8a. Mean Velocities and Turbulence Intensities at Pedestrian Locations 1 and 2

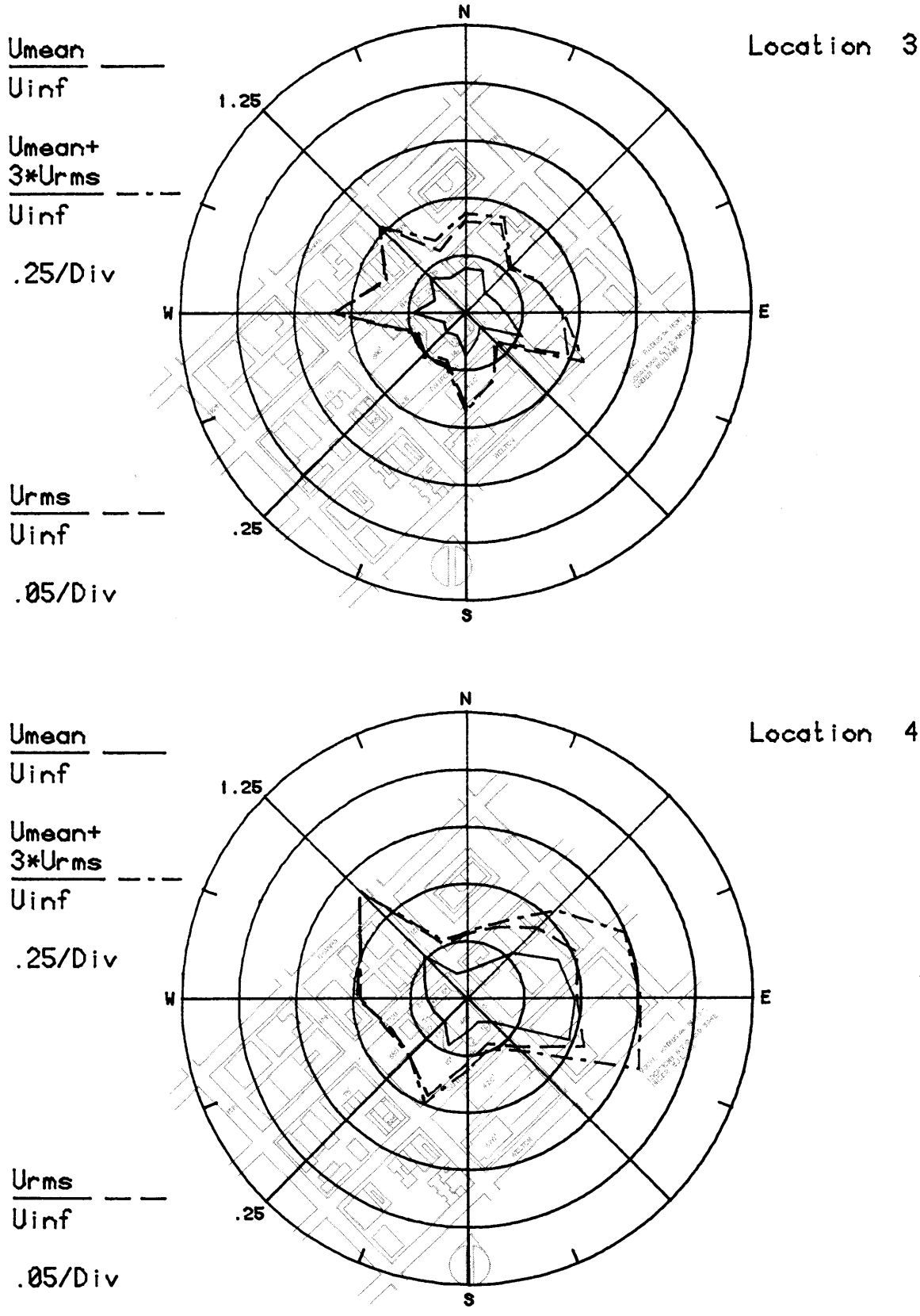


Figure 8b. Mean Velocities and Turbulence Intensities at Pedestrian Locations 3 and 4

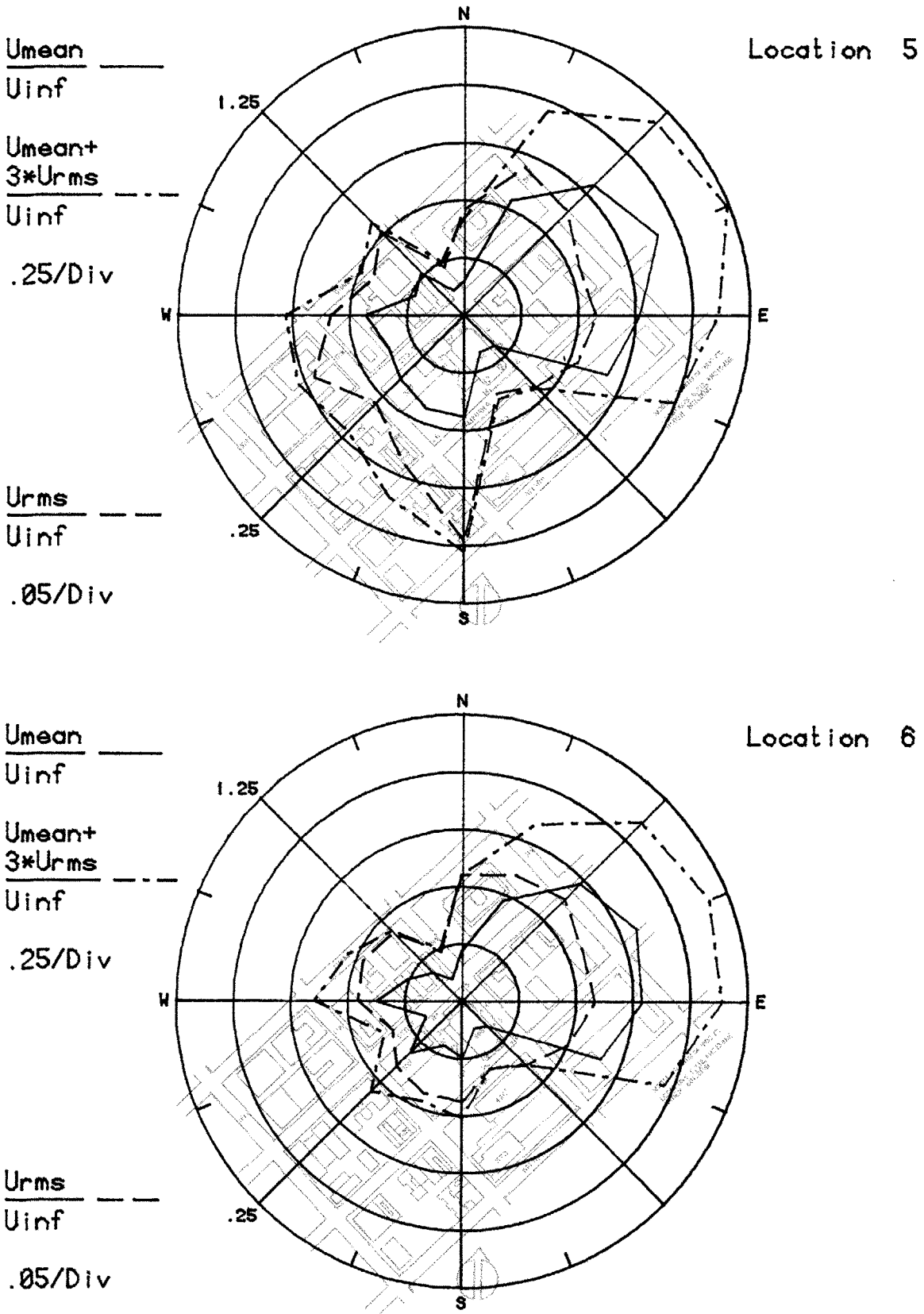


Figure 8c. Mean Velocities and Turbulence Intensities at Pedestrian Locations 5 and 6

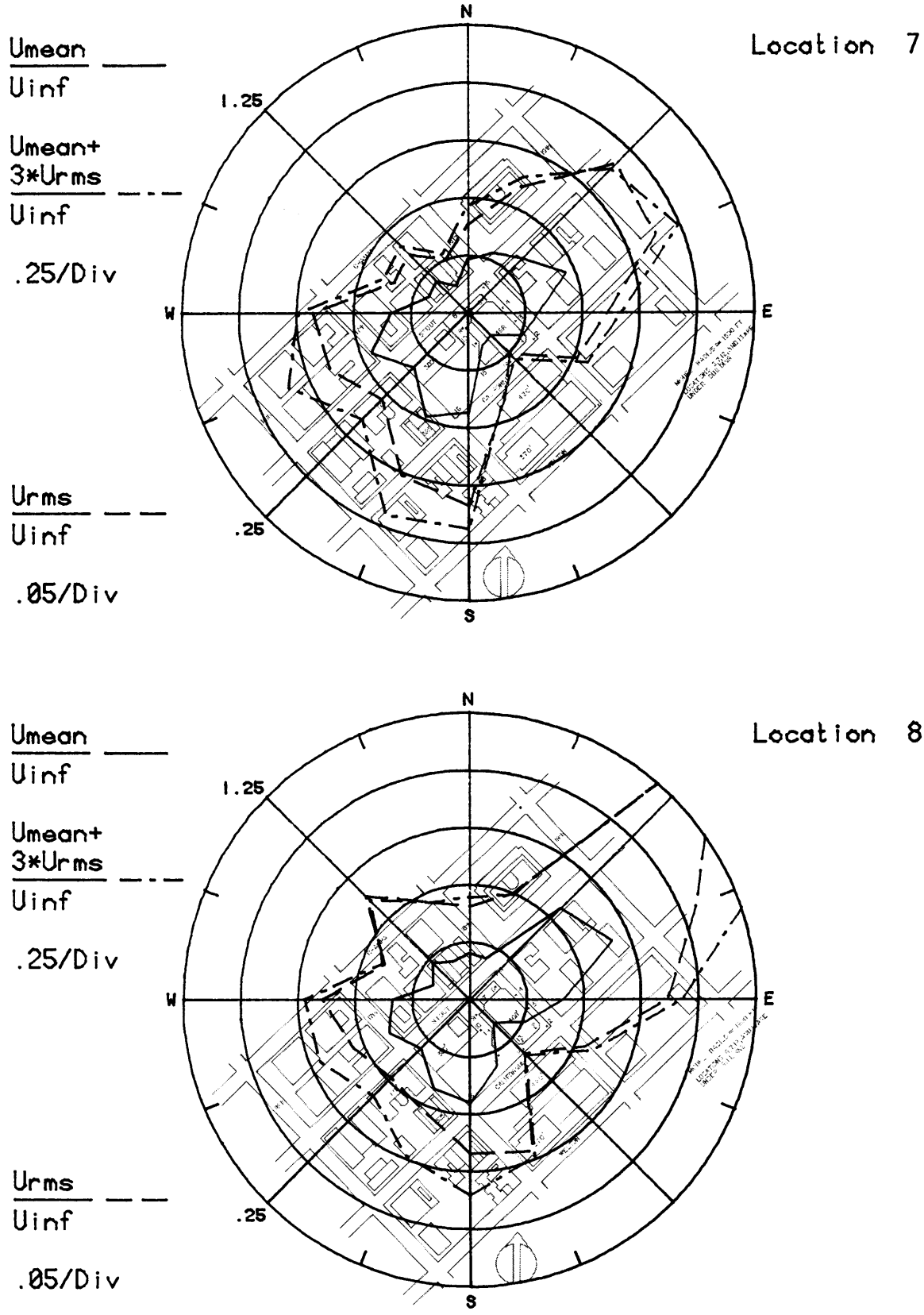


Figure 8d. Mean Velocities and Turbulence Intensities at Pedestrian Locations 7 and 8

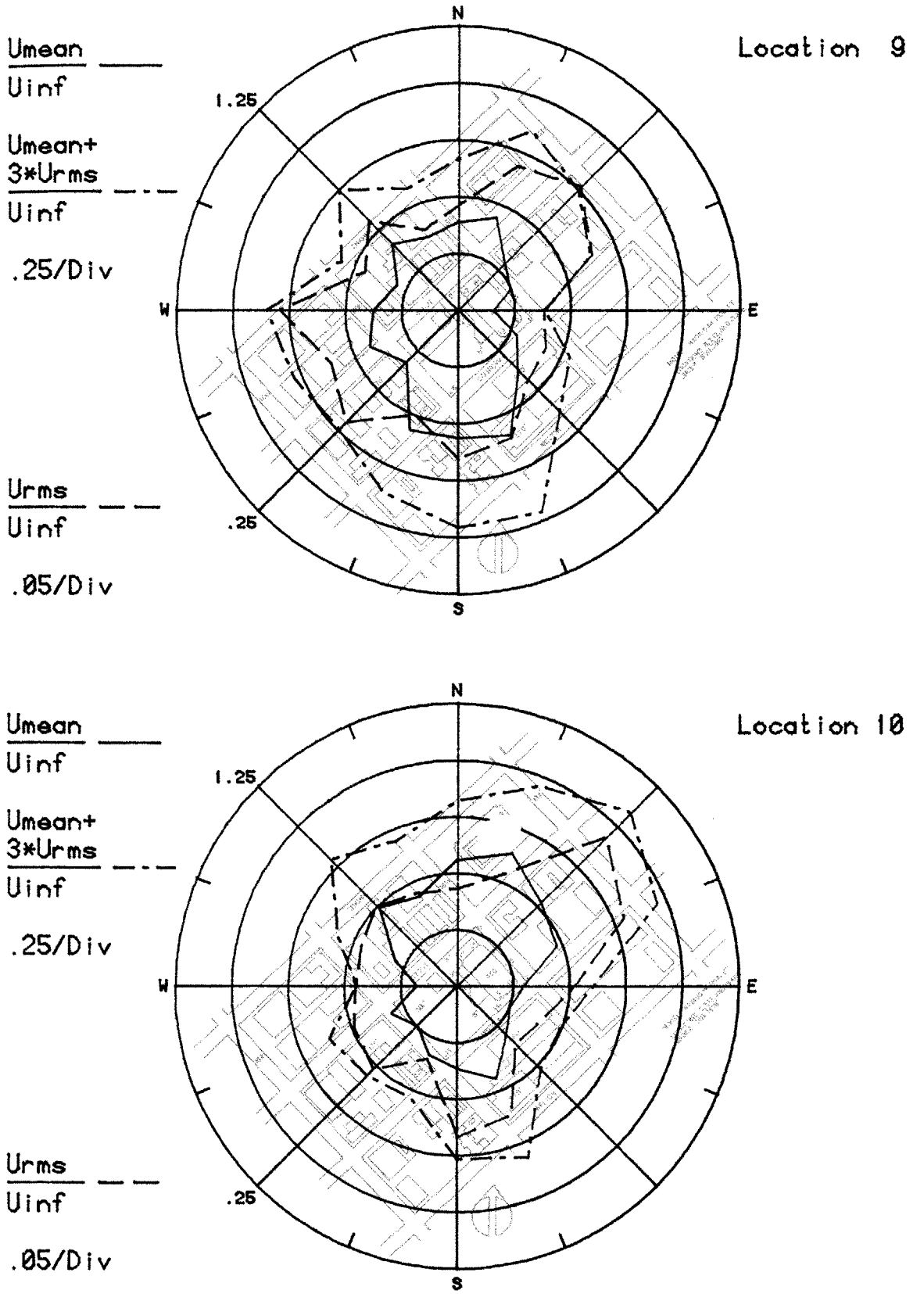


Figure 8e. Mean Velocities and Turbulence Intensities at Pedestrian Locations 9 and 10

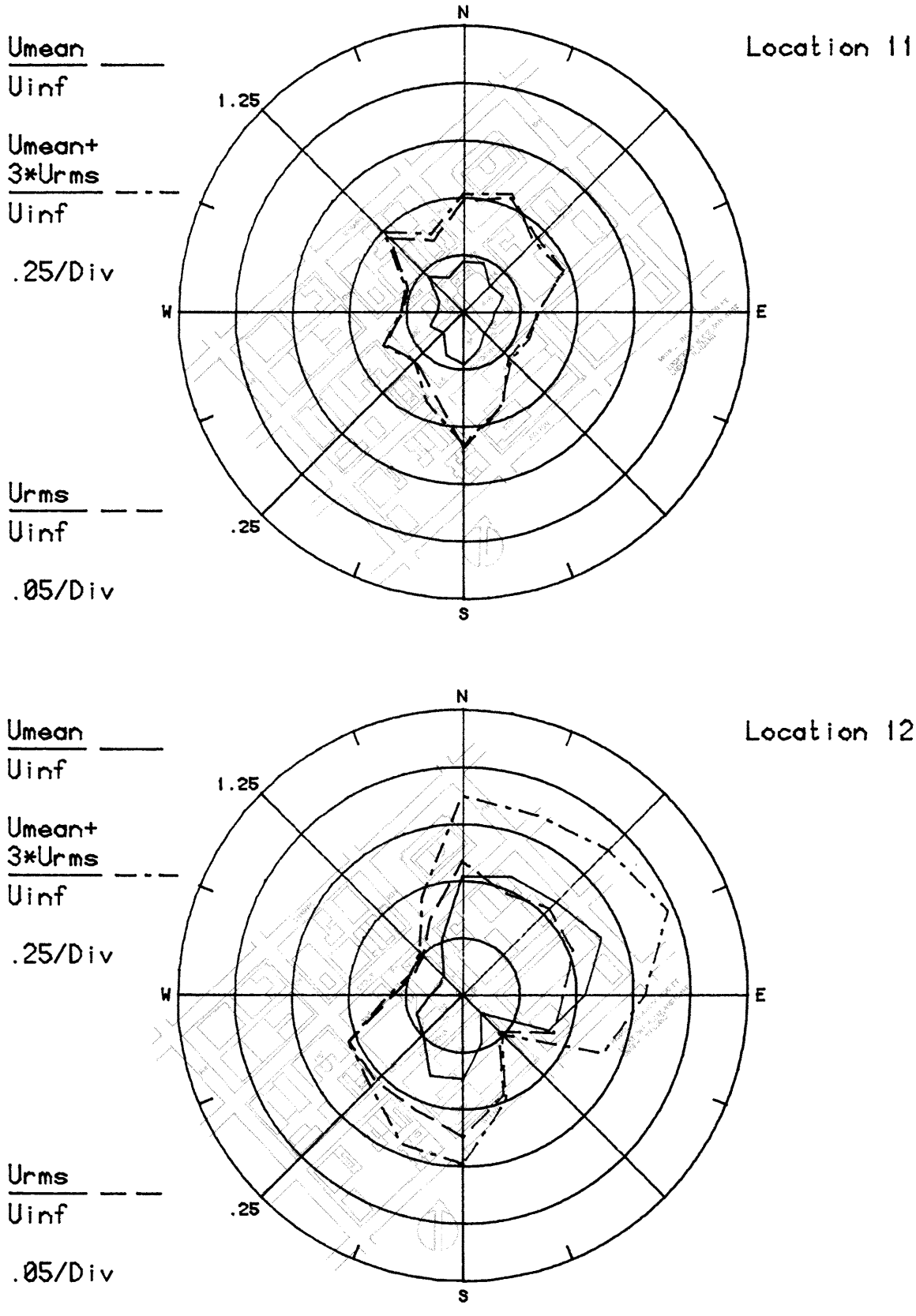


Figure 8f. Mean Velocities and Turbulence Intensities at Pedestrian Locations 11 and 12

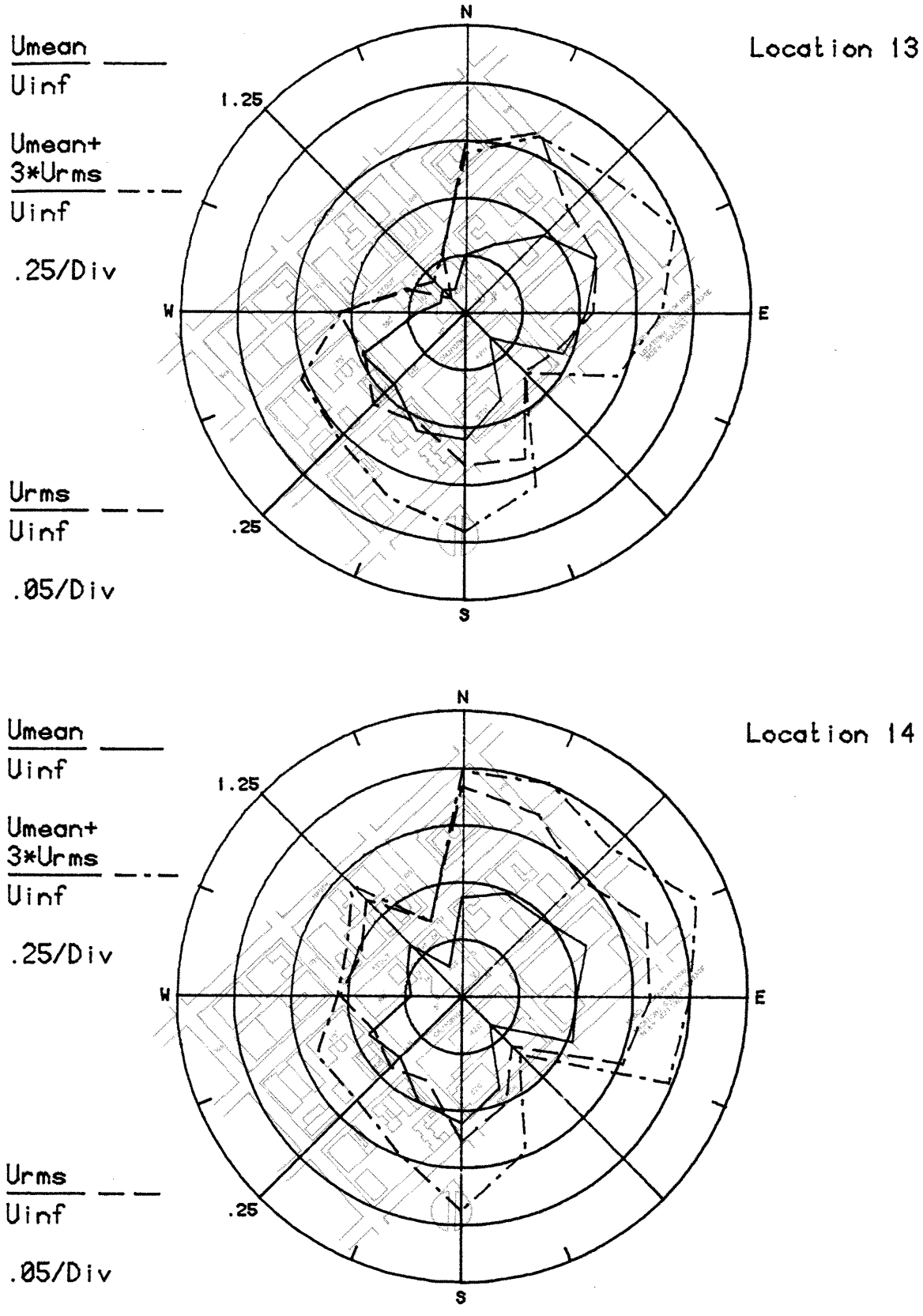


Figure 8g. Mean Velocities and Turbulence Intensities at Pedestrian Locations 13 and 14

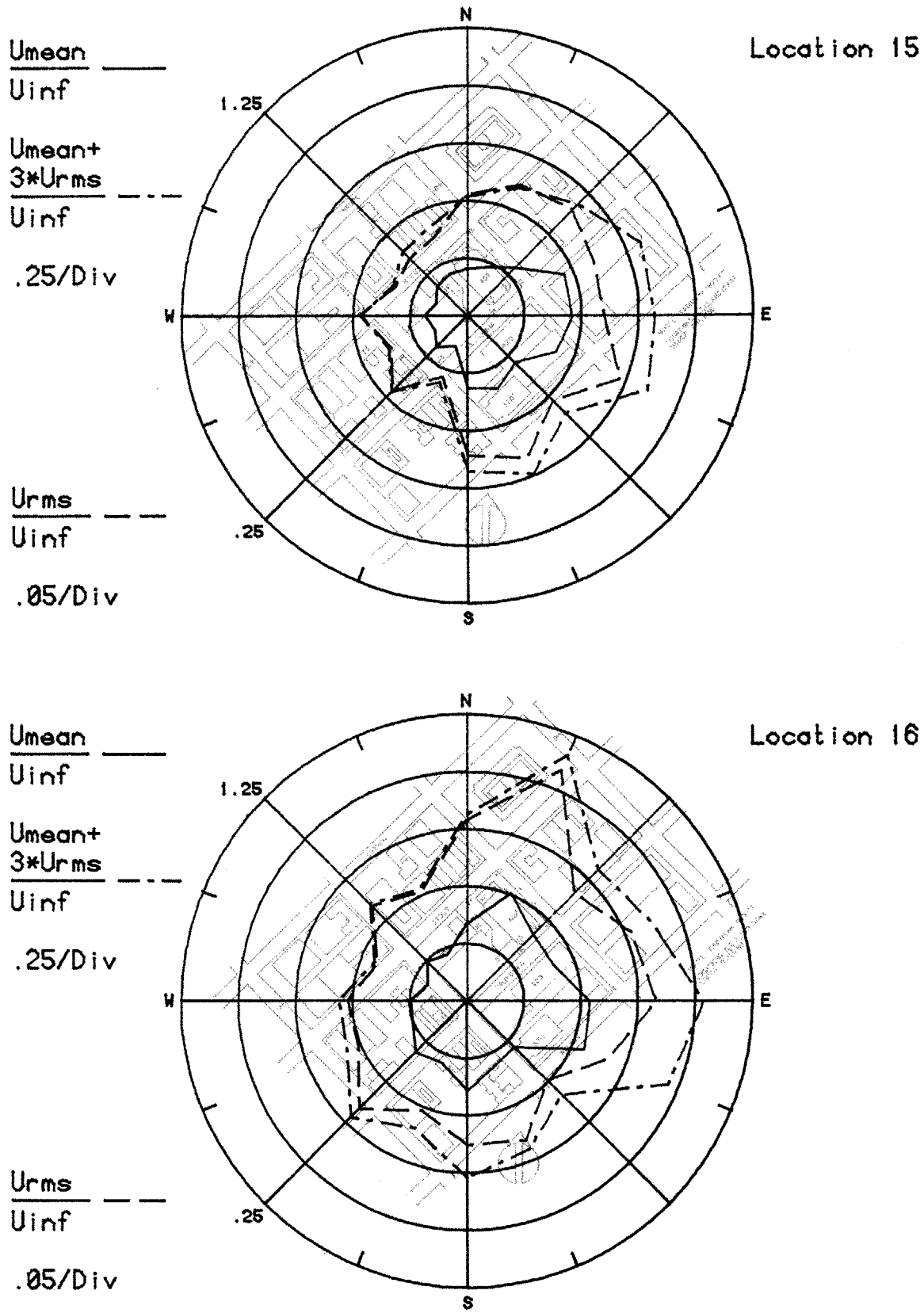


Figure 8h. Mean Velocities and Turbulence Intensities at Pedestrian Locations 15 and 16

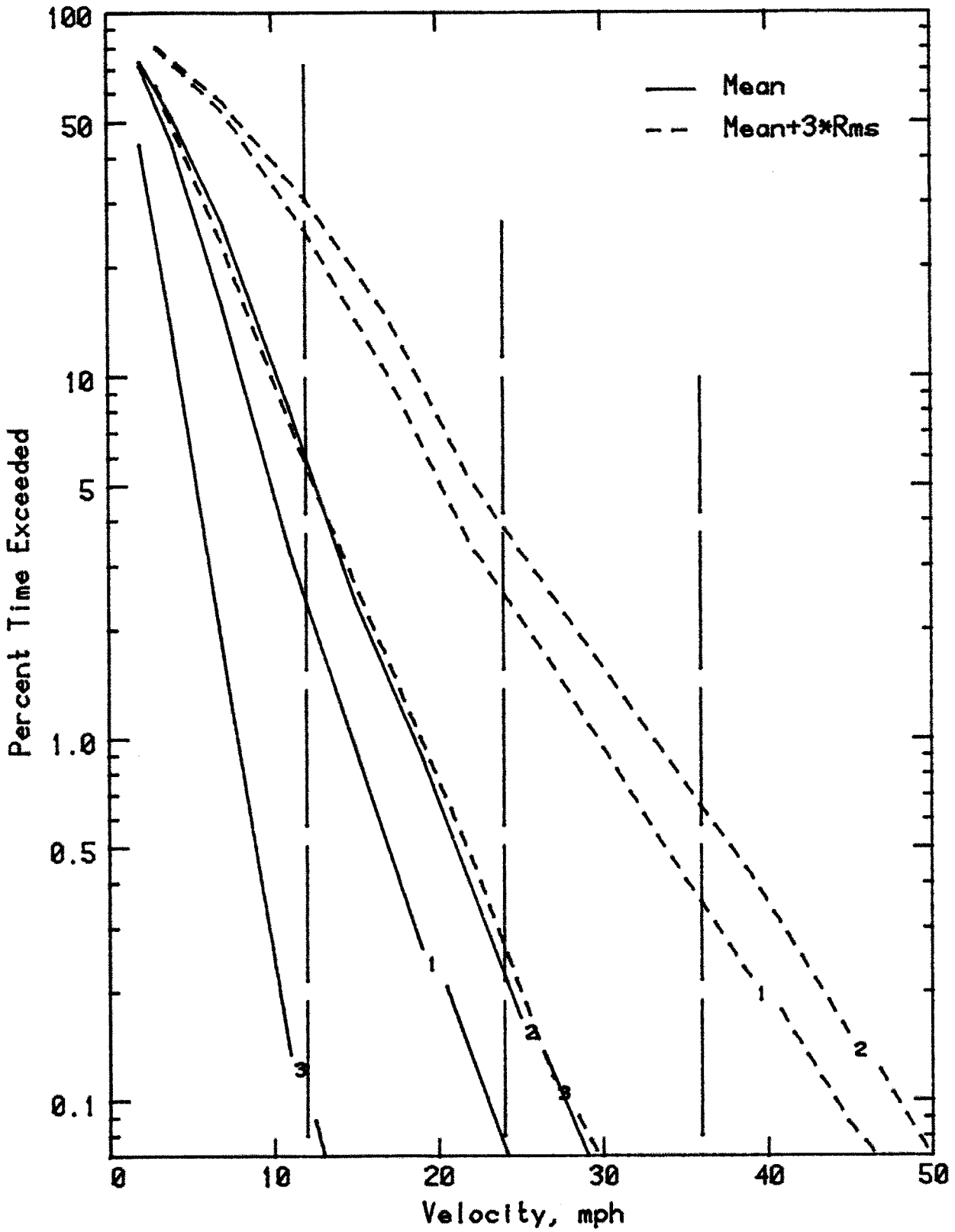


Figure 9a. Wind Velocity Probabilities for Pedestrian Locations 1, 2, 3

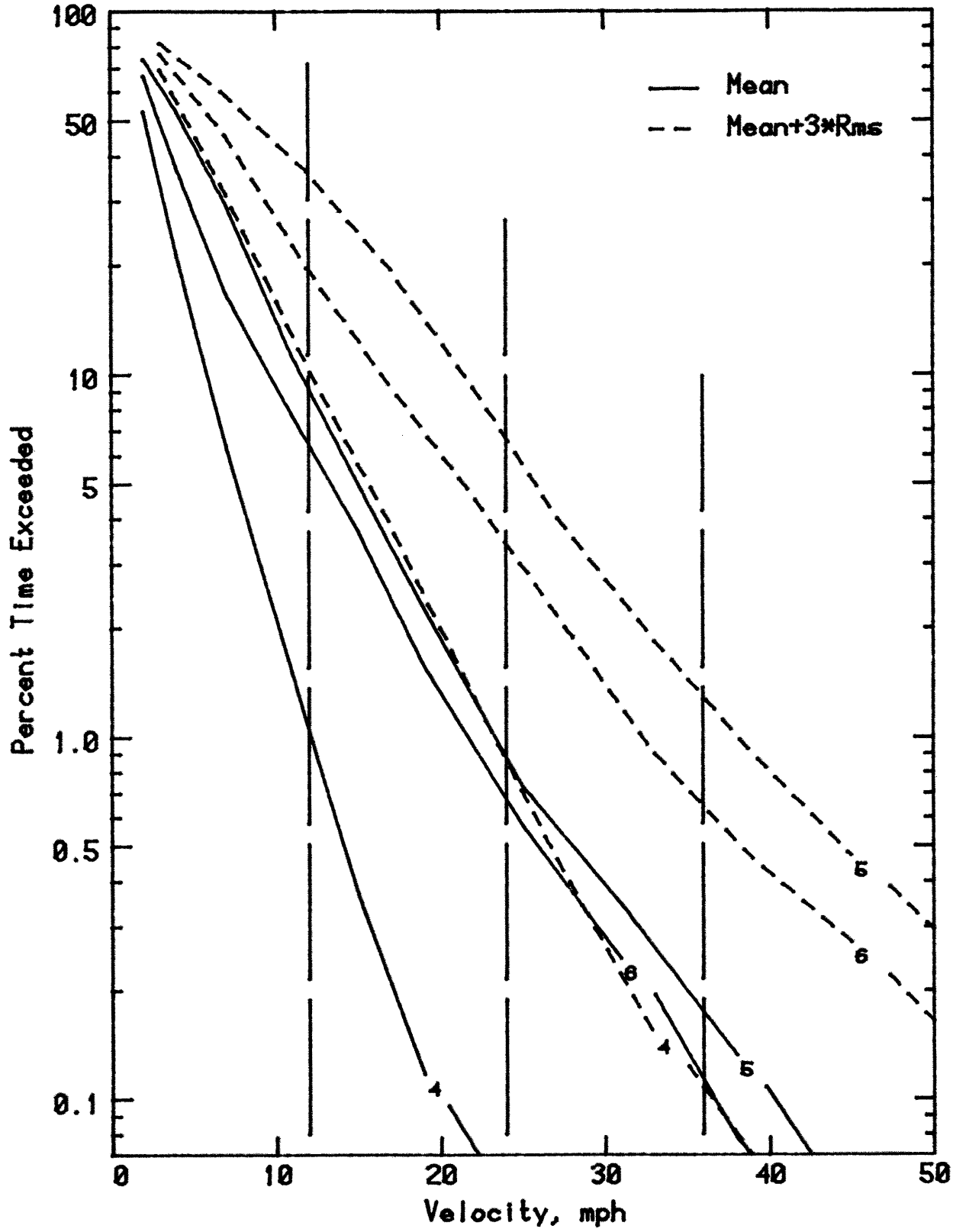


Figure 9b. Wind Velocity Probabilities for Pedestrian Locations 4, 5, 6

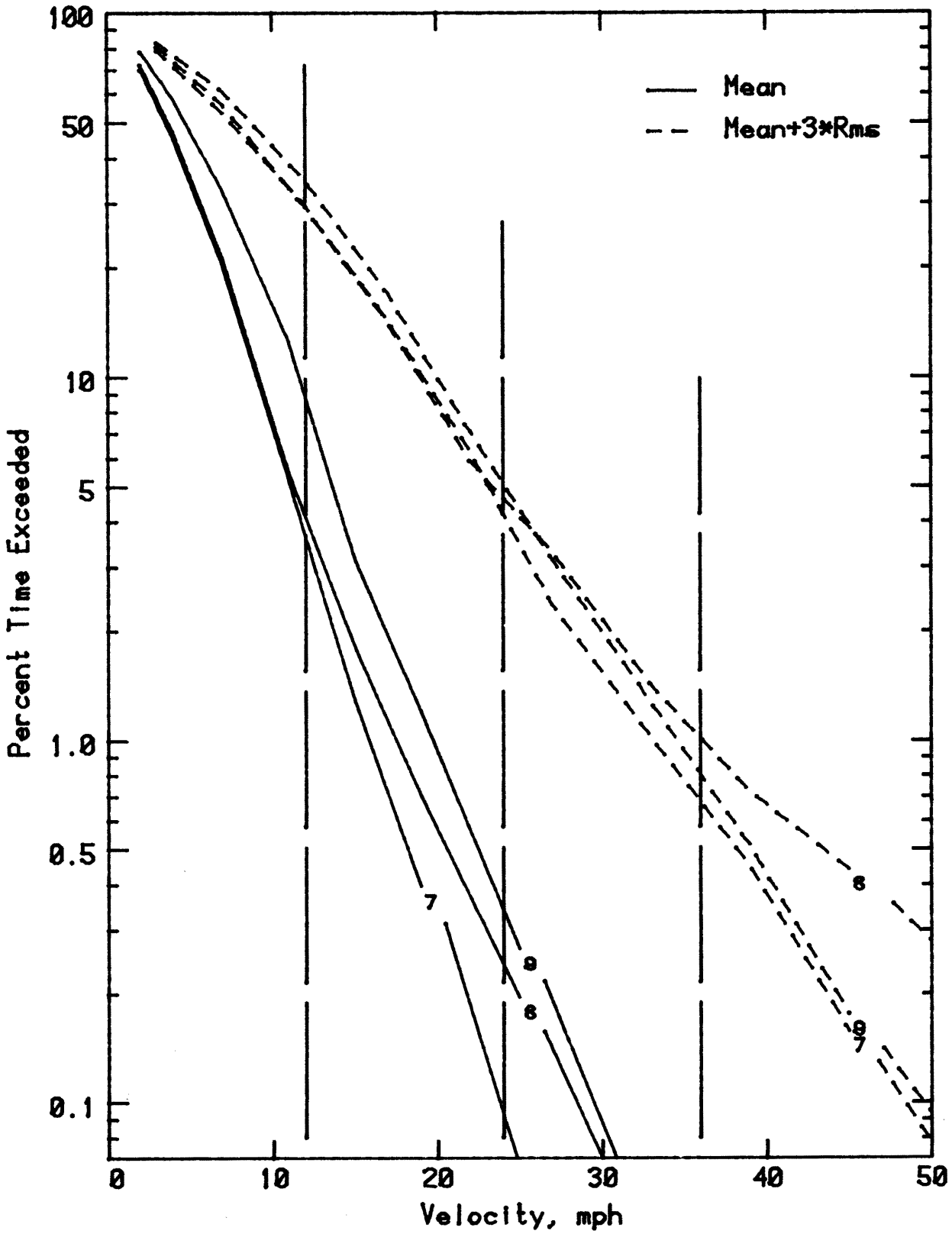


Figure 9c. Wind Velocity Probabilities for Pedestrian Locations 7, 8, 9

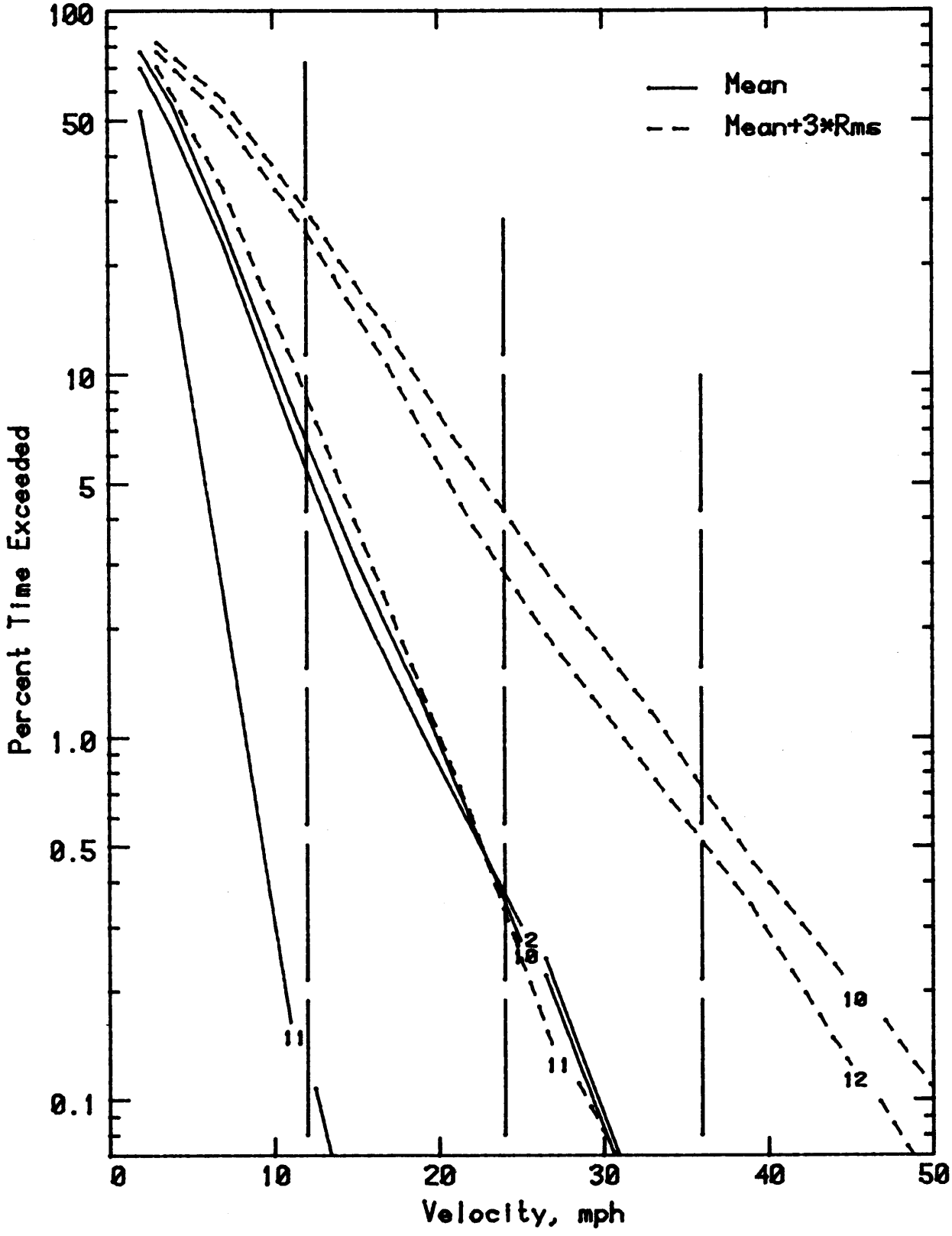


Figure 9d. Wind Velocity Probabilities for Pedestrian Locations 10, 11, 12

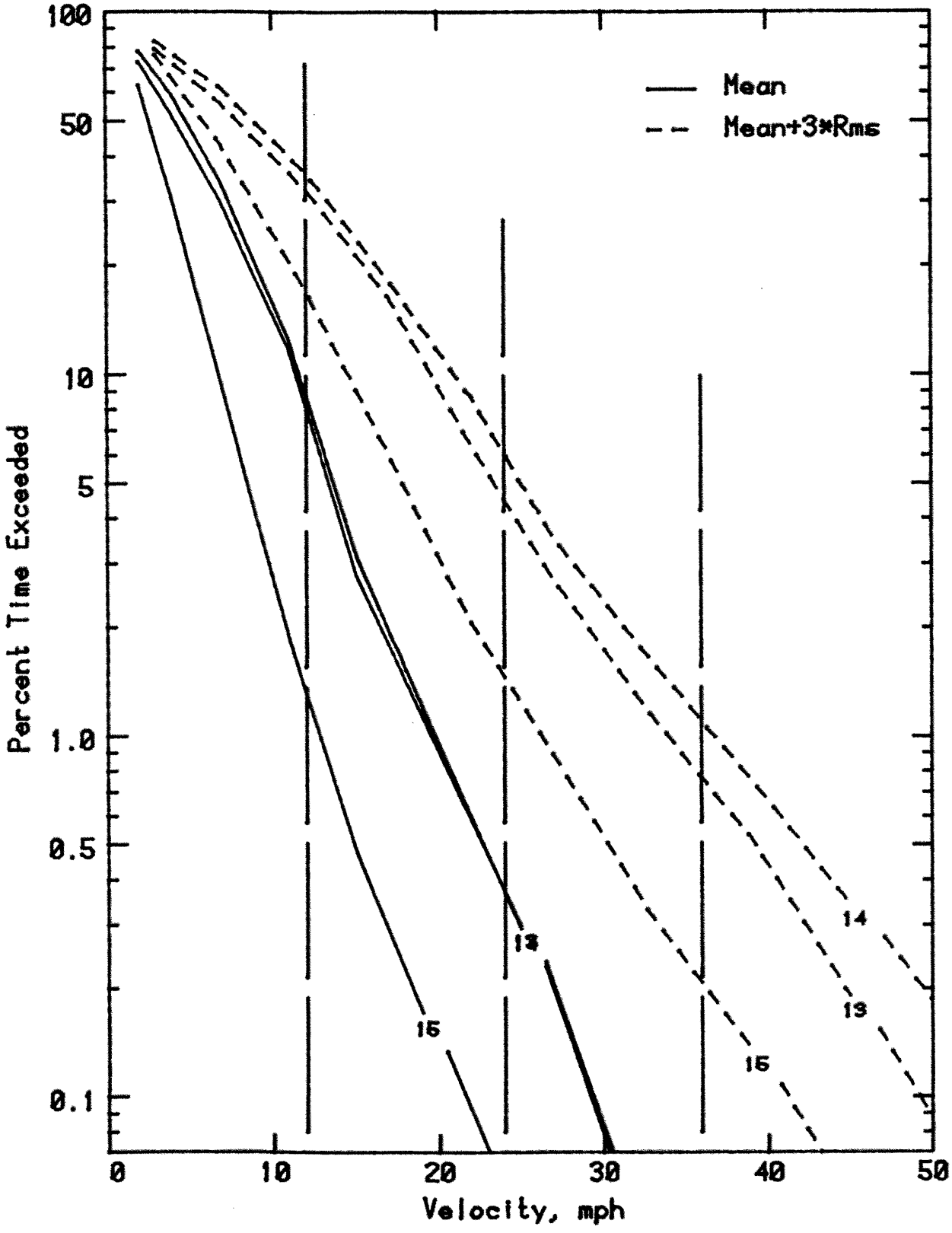


Figure 9e. Wind Velocity Probabilities for Pedestrian Locations 13, 14, 15

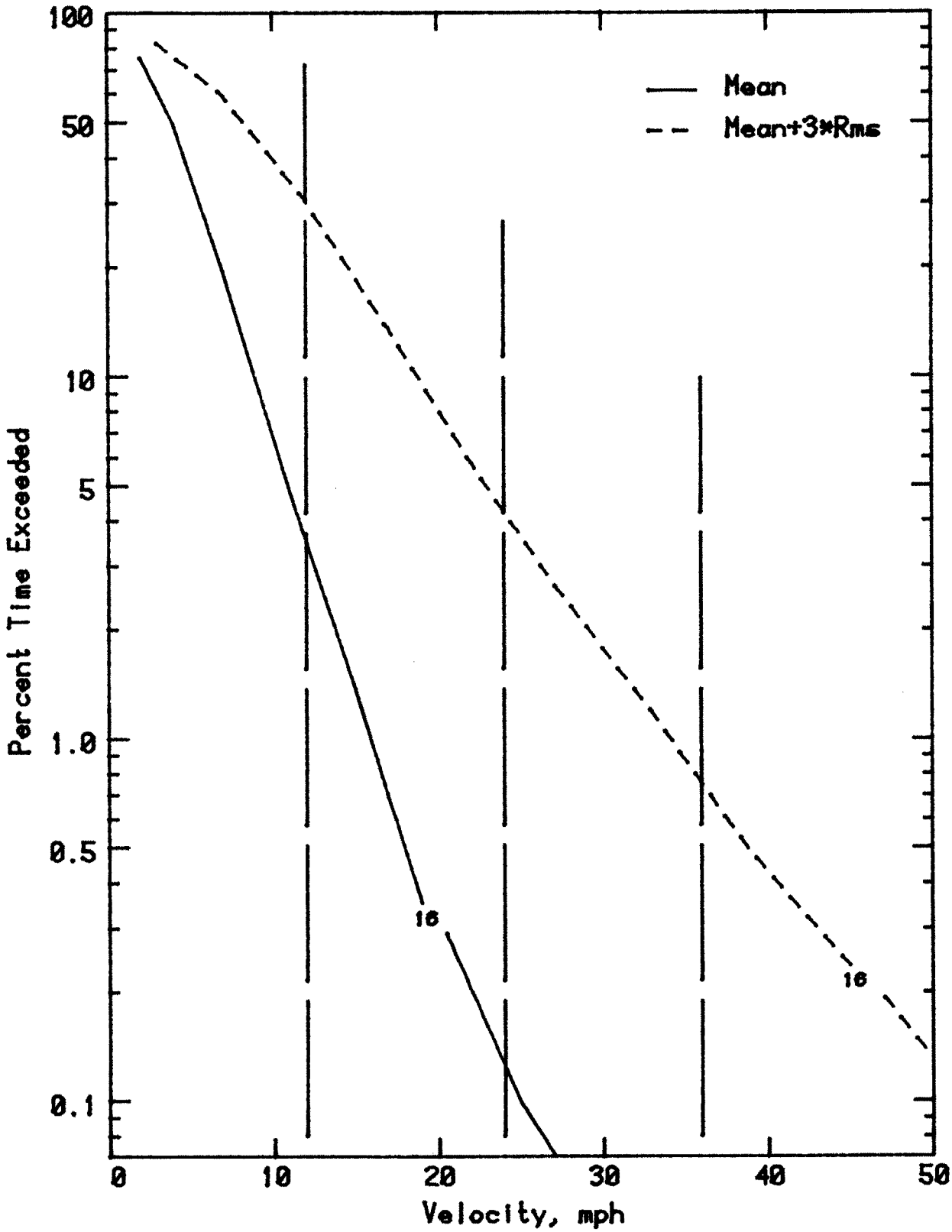
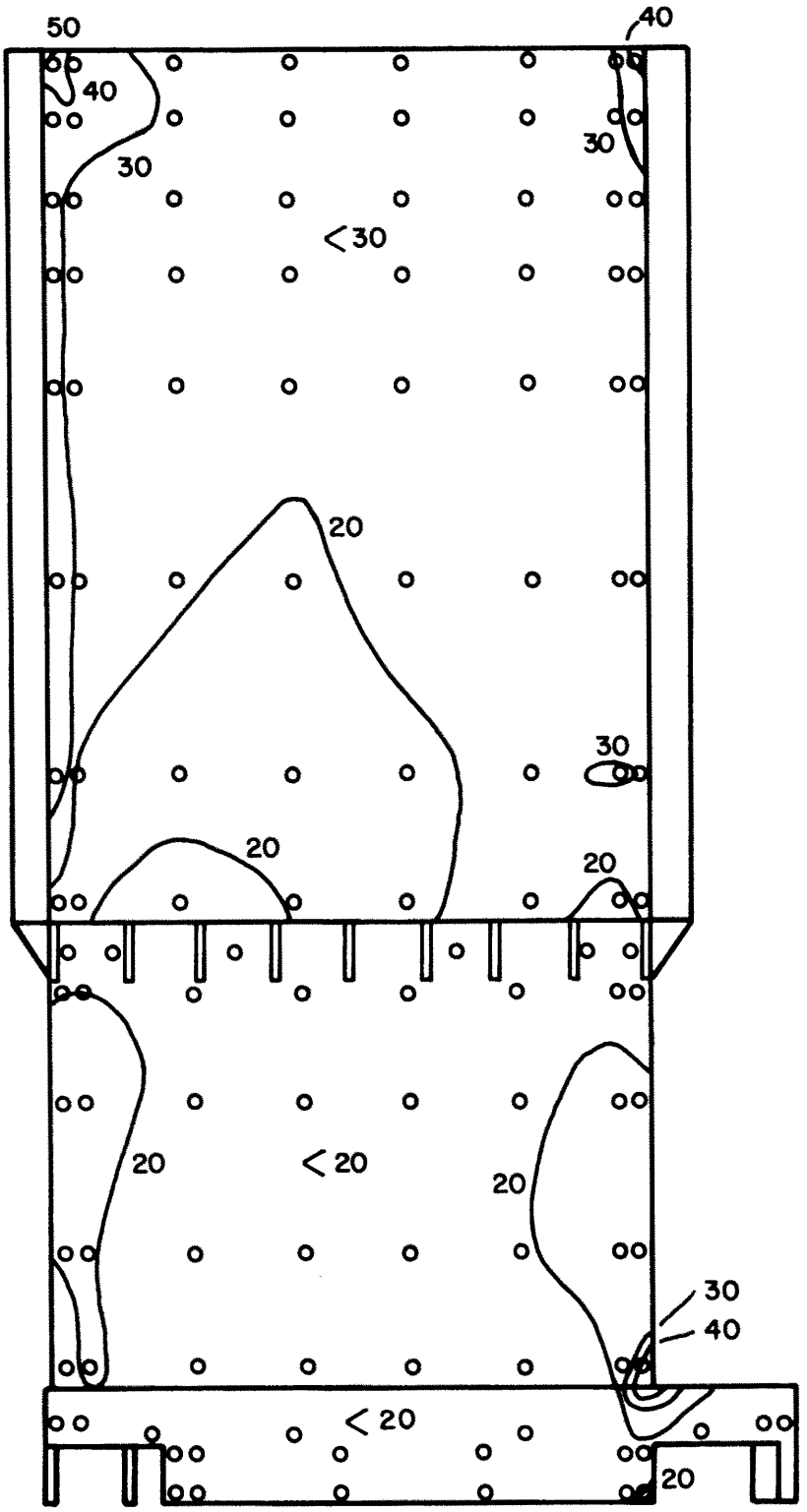


Figure 9f. Wind Velocity Probabilities for Pedestrian Location 16



NORTH FACE

REFERENCE PRESSURE = 28 PSF

GLASS LOAD FACTOR = 0.73

GLASS LOADS - PSF

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

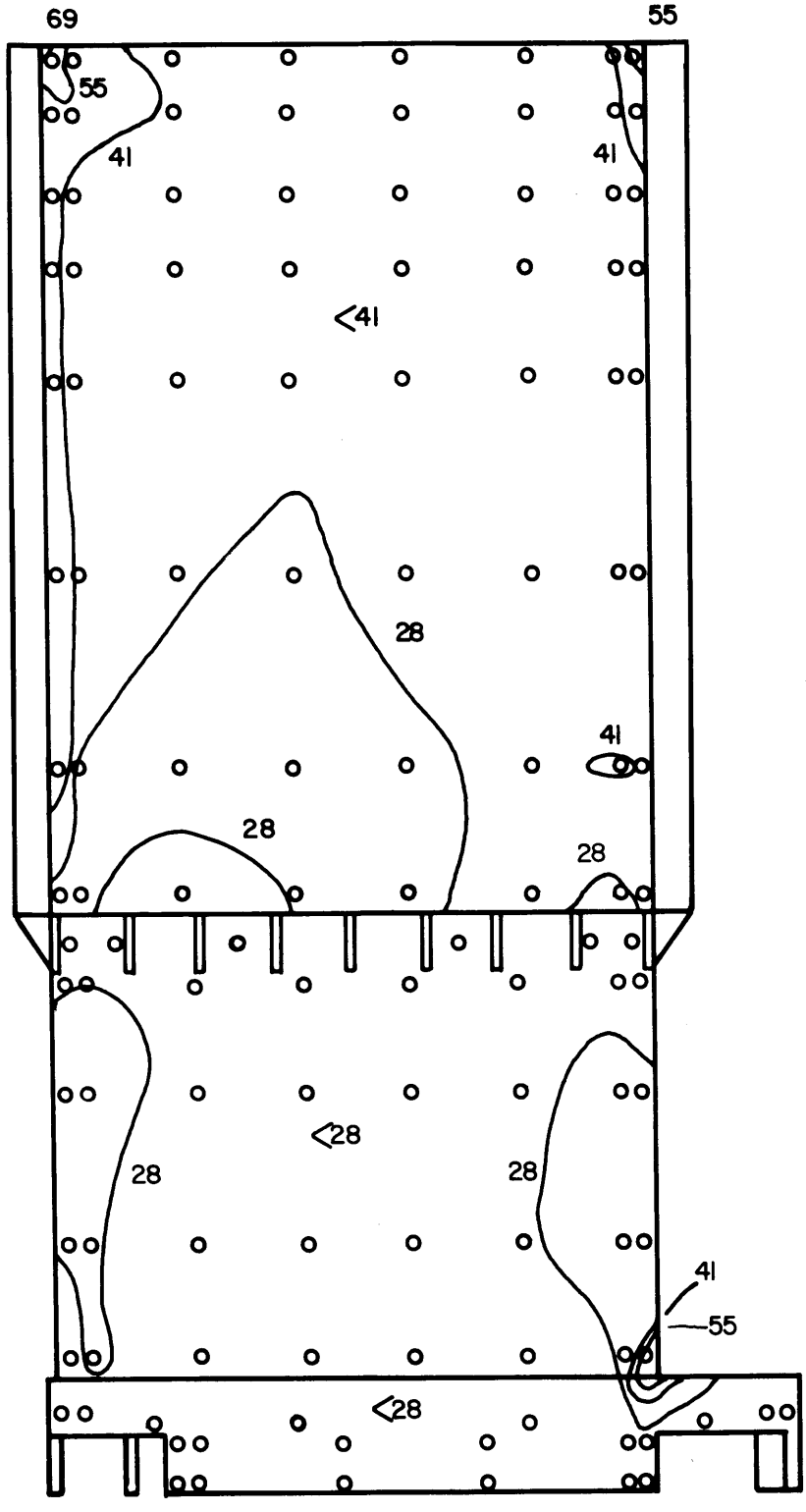
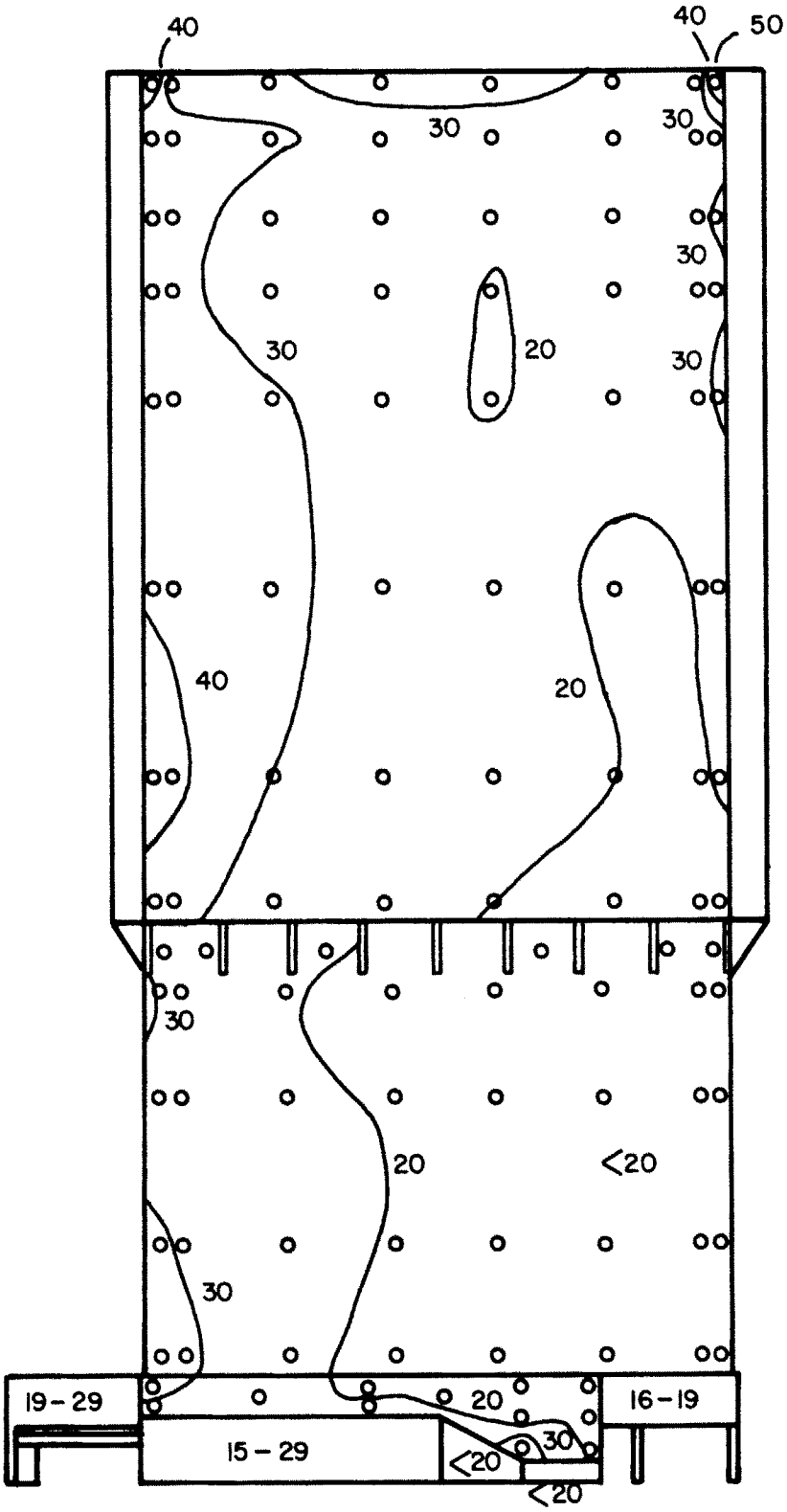


Figure 10b. Peak-Pressure Contours on the Building for Glass Loads



SOUTH FACE

REFERENCE PRESSURE = 28 PSF

GLASS LOAD FACTOR = 0.73

GLASS LOADS - PSF

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

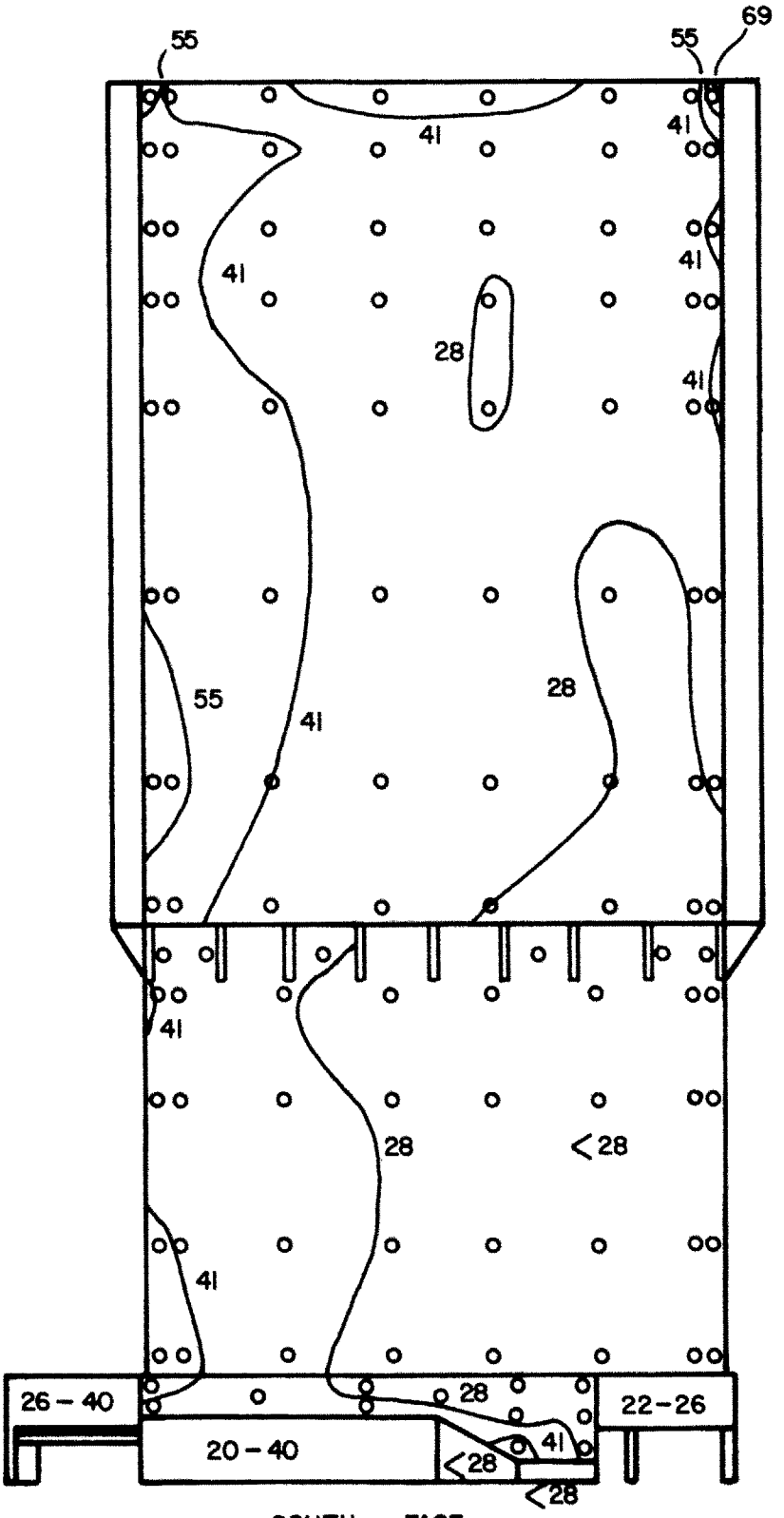
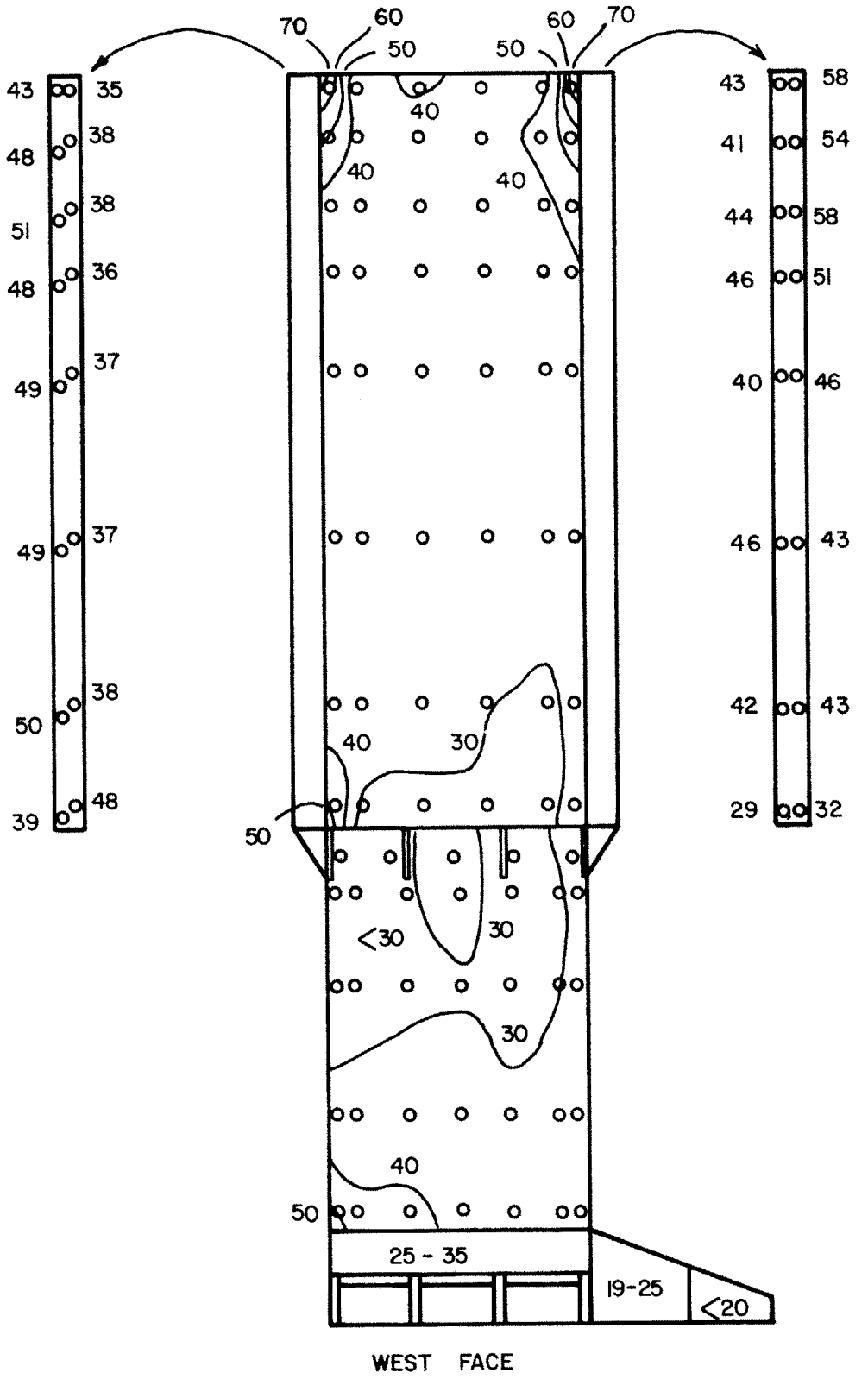


Figure 10d. Peak-Pressure Contours on the Building for Glass Loads



REFERNCE PRESSURE = 28 PSF

GLASS LOAD FACTOR = 0.73

GLASS LOADS — PSF

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

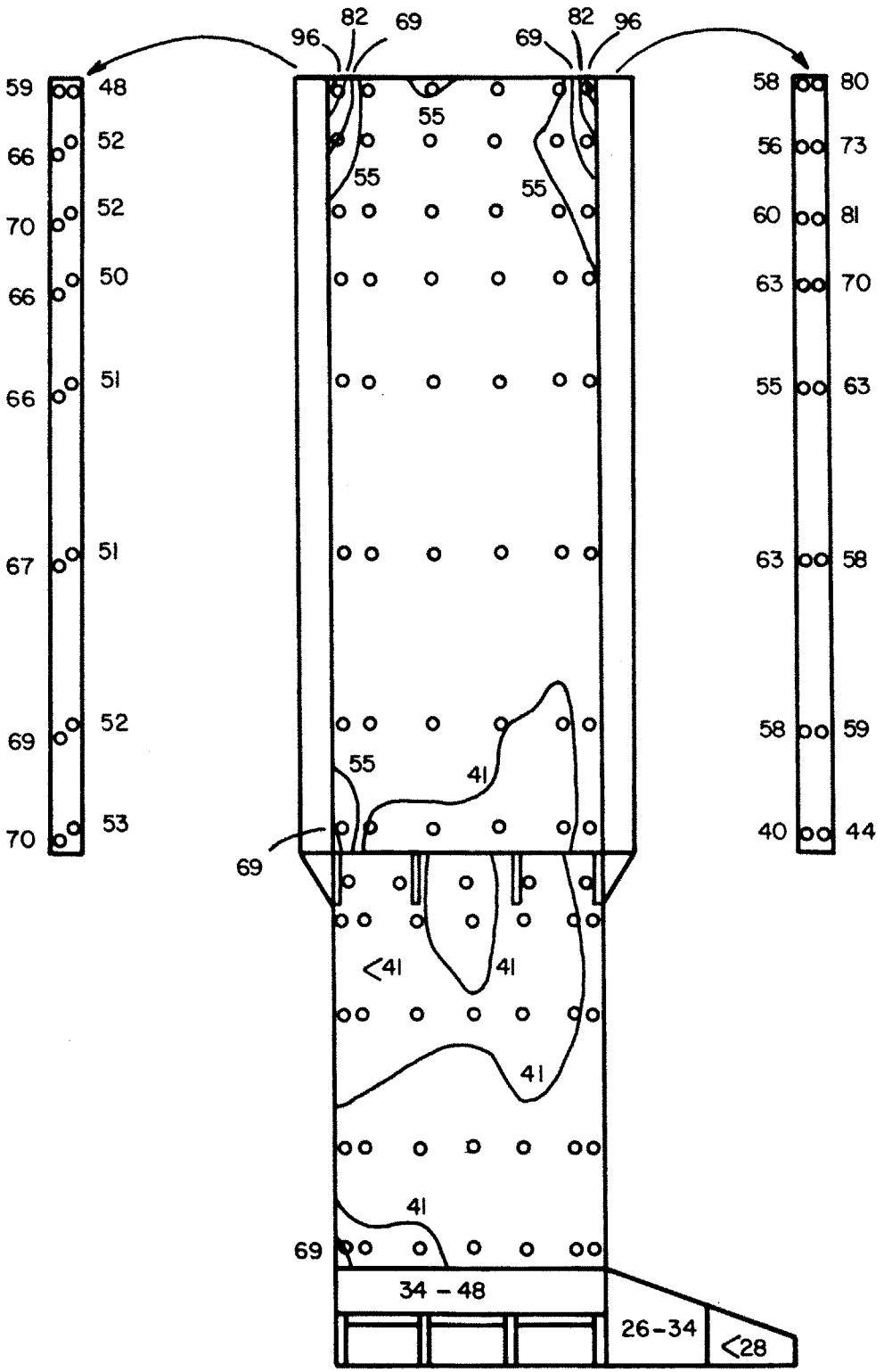


Figure 10f. Peak-Pressure Contours on the Building for Glass Loads

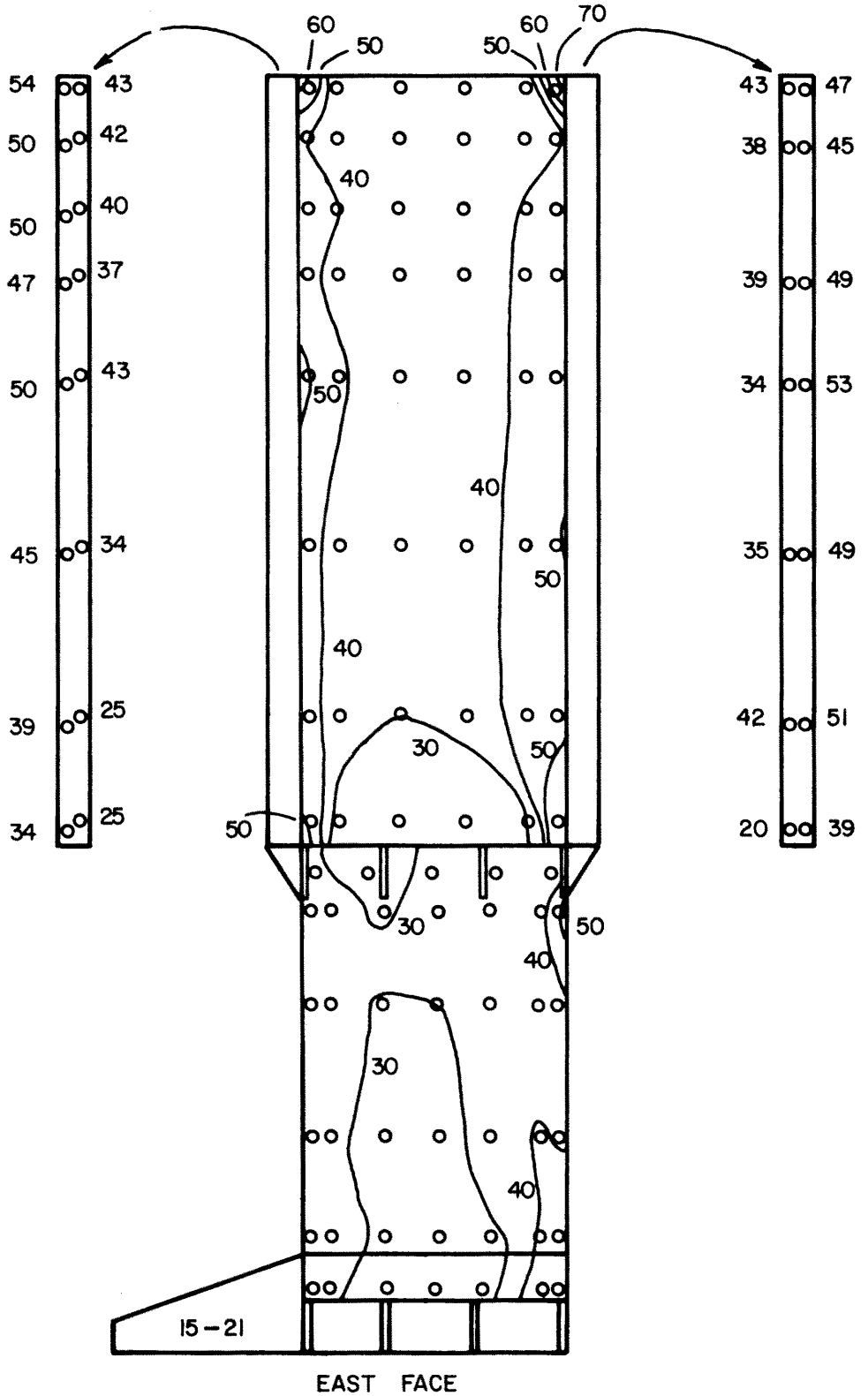
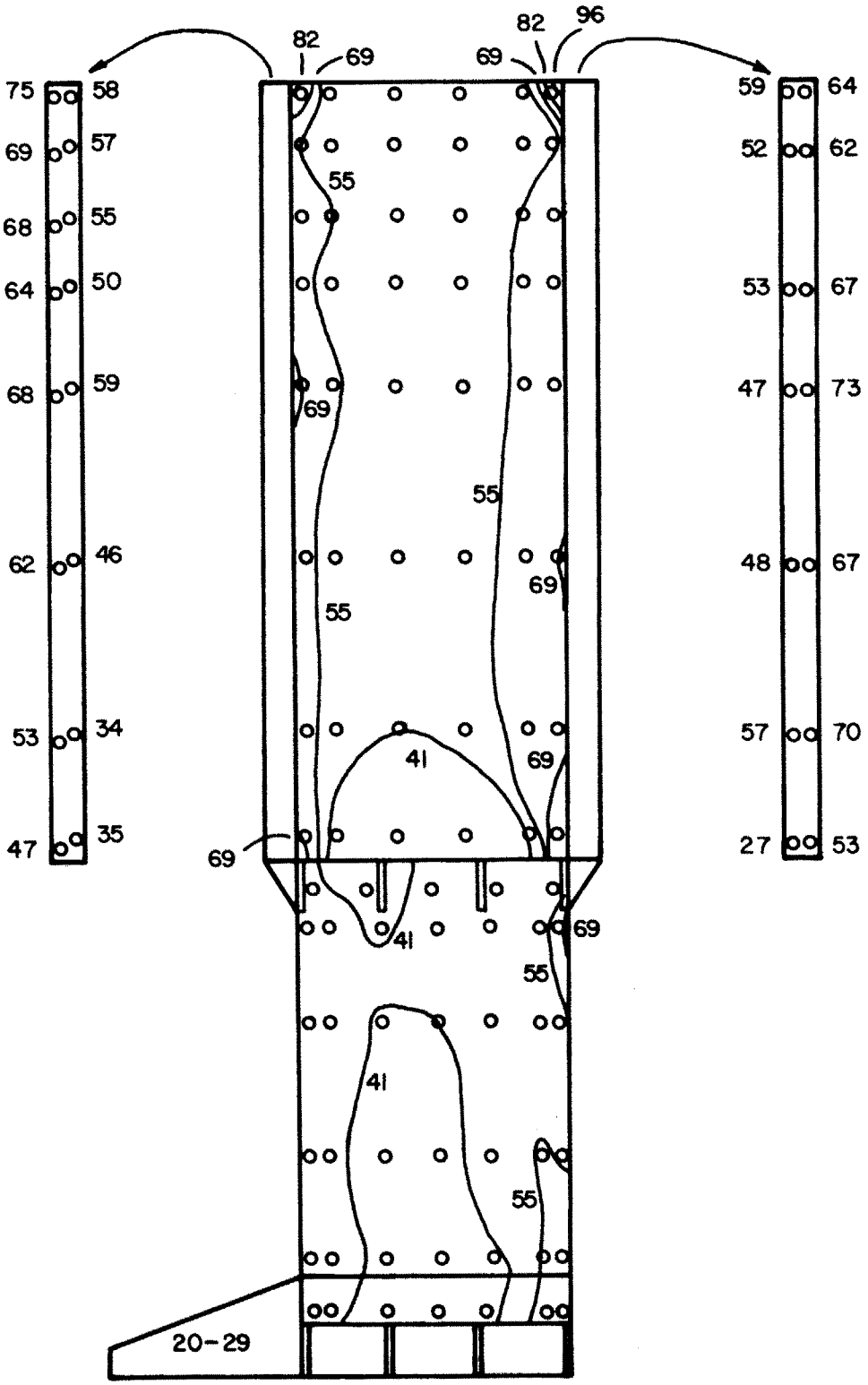


Figure 10g. Peak-Pressure Contours on the Building for Glass Loads



EAST FACE

REFERENCE PRESSURE = 28 PSF

CLADDING LOADS — PSF

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

TABLES

TABLE 1

MOTION PICTURE SCENE GUIDE

Run No.	Approach Wind Azimuth (degrees)
1	0
2	45
3	90
4	135
5	180
6	225
7	270
8	315

TABLE 2--PEDESTRIAN WIND VELOCITIES AND TURBULENCE INTENSITIES

ENERGY PLAZA -- DENVER

LOCATION 1

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
.00	39.7	13.8	81.0
22.50	46.9	13.7	88.2
45.00	46.6	14.8	90.9
67.50	25.4	9.8	54.8
90.00	21.1	9.7	50.2
112.50	25.1	9.1	52.6
135.00	24.4	11.2	58.0
157.50	26.9	10.6	57.7
180.00	32.7	12.3	69.6
202.50	34.5	14.7	78.8
225.00	22.6	8.7	48.8
247.50	36.5	9.6	65.4
270.00	15.8	7.5	38.3
292.50	19.8	7.0	40.9
315.00	25.3	7.7	48.3
337.50	23.7	6.6	43.4

LOCATION 2

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
.00	50.1	12.2	86.7
22.50	54.0	10.1	84.4
45.00	52.6	11.6	87.5
67.50	53.0	14.3	95.9
90.00	43.2	10.3	74.1
112.50	35.9	8.5	61.3
135.00	16.3	6.6	36.2
157.50	29.8	13.1	69.2
180.00	47.0	14.4	90.3
202.50	44.4	12.5	81.8
225.00	22.1	11.4	56.2
247.50	30.3	12.0	66.4
270.00	16.2	7.7	39.4
292.50	14.2	7.4	36.3
315.00	15.1	7.1	36.5
337.50	27.4	7.8	50.8

LOCATION 3

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
.00	19.4	7.9	43.1
22.50	19.9	8.2	44.6
45.00	12.1	5.4	28.3
67.50	13.9	6.9	34.8
90.00	17.7	8.5	43.1
112.50	26.9	9.7	56.0
135.00	8.4	3.6	19.1
157.50	12.3	6.4	31.5
180.00	18.5	8.2	43.1
202.50	10.6	4.4	23.8
225.00	11.9	5.1	27.1
247.50	10.3	4.5	23.8
270.00	22.8	11.5	57.2
292.50	14.3	7.6	37.9
315.00	21.4	10.6	53.2
337.50	16.6	5.8	34.1

LOCATION 4

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
.00	12.2	5.6	29.0
22.50	15.6	6.8	35.9
45.00	28.3	8.7	54.5
67.50	43.5	10.4	74.8
90.00	47.1	9.6	75.9
112.50	47.8	11.0	80.9
135.00	14.5	6.0	32.4
157.50	11.1	4.3	24.1
180.00	14.3	5.6	31.2
202.50	22.0	9.2	49.6
225.00	14.3	7.2	35.8
247.50	15.9	7.2	37.4
270.00	17.9	9.6	46.7
292.50	20.3	10.1	50.5
315.00	26.4	13.3	66.3
337.50	11.8	5.1	27.2

TABLE 2--PEDESTRIAN WIND VELOCITIES AND TURBULENCE INTENSITIES

ENERGY PLAZA -- DENVER

LOCATION 5

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
.00	14.8	9.1	42.1
22.50	54.2	13.9	95.8
45.00	80.0	12.8	118.4
67.50	91.5	10.9	124.2
90.00	76.5	11.5	111.0
112.50	67.5	10.7	99.6
135.00	18.5	8.8	44.9
157.50	17.1	7.4	39.3
180.00	44.0	19.5	102.5
202.50	43.8	13.9	85.4
225.00	39.3	10.8	71.7
247.50	35.9	14.1	78.3
270.00	43.1	11.6	77.9
292.50	23.0	8.5	48.4
315.00	26.2	10.2	56.8
337.50	11.8	4.5	25.1

LOCATION 6

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
.00	21.9	11.0	55.0
22.50	47.8	11.9	83.6
45.00	72.8	12.6	110.7
67.50	82.7	11.4	116.9
90.00	78.9	11.6	113.8
112.50	65.4	10.0	95.4
135.00	15.2	7.9	38.9
157.50	12.8	6.3	31.9
180.00	24.6	8.8	50.9
202.50	20.9	8.7	47.0
225.00	31.6	8.1	55.8
247.50	16.8	6.5	36.4
270.00	37.3	9.1	64.5
292.50	25.6	9.3	53.6
315.00	17.8	8.4	43.2
337.50	10.6	4.7	24.6

LOCATION 7

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
.00	23.3	7.6	46.2
22.50	28.3	11.8	63.6
45.00	33.5	18.3	88.4
67.50	46.2	17.7	99.4
90.00	30.3	12.1	66.7
112.50	25.4	10.2	56.1
135.00	13.6	5.0	28.6
157.50	15.2	8.2	39.6
180.00	43.5	16.7	93.7
202.50	48.9	15.2	94.7
225.00	33.6	10.6	65.5
247.50	45.5	13.0	84.6
270.00	33.2	13.5	73.9
292.50	18.4	7.0	39.3
315.00	19.3	7.2	40.9
337.50	12.9	5.0	27.9

LOCATION 8

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
.00	20.3	8.1	44.6
22.50	19.5	10.0	49.5
45.00	56.4	28.0	140.4
67.50	67.4	21.5	131.7
90.00	40.8	17.3	92.6
112.50	25.7	10.8	58.0
135.00	14.3	6.7	34.5
157.50	30.8	14.3	73.8
180.00	44.9	13.5	85.4
202.50	42.0	10.5	73.6
225.00	30.3	9.7	59.4
247.50	37.8	11.0	70.9
270.00	33.3	12.8	71.8
292.50	17.0	8.0	41.0
315.00	23.0	12.8	61.3
337.50	18.2	9.2	45.8

TABLE 2--PEDESTRIAN WIND VELOCITIES AND TURBULENCE INTENSITIES

ENERGY PLAZA -- DENVER

LOCATION 9

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
.00	38.9	9.2	66.4
22.50	44.3	13.7	85.5
45.00	29.1	15.4	75.2
67.50	24.9	12.8	63.4
90.00	15.7	7.6	38.5
112.50	27.9	8.4	53.3
135.00	37.3	8.7	63.3
157.50	59.6	12.2	96.2
180.00	56.5	13.1	95.8
202.50	56.9	10.0	86.8
225.00	32.4	14.0	74.4
247.50	42.1	12.2	78.7
270.00	37.5	15.8	84.9
292.50	29.4	8.9	56.1
315.00	41.5	11.1	74.7
337.50	35.1	7.7	58.1

LOCATION 10

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
.00	55.9	8.6	81.8
22.50	63.8	10.7	96.0
45.00	52.7	18.7	108.8
67.50	48.6	16.0	96.6
90.00	29.2	10.4	60.3
112.50	24.9	8.0	48.9
135.00	30.1	7.2	51.8
157.50	44.5	12.4	81.8
180.00	36.7	13.4	76.8
202.50	32.8	7.0	53.6
225.00	24.8	10.5	56.3
247.50	31.6	9.9	61.2
270.00	17.7	8.9	44.5
292.50	29.7	9.2	57.2
315.00	48.9	10.0	79.0
337.50	43.1	8.9	69.8

LOCATION 11

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
.00	22.3	9.7	51.5
22.50	23.3	10.8	55.7
45.00	16.3	9.1	43.7
67.50	18.5	9.5	47.1
90.00	13.4	6.5	32.8
112.50	13.1	6.0	31.0
135.00	12.6	5.5	29.2
157.50	17.1	8.9	43.7
180.00	22.7	11.8	58.1
202.50	20.3	7.3	42.3
225.00	12.3	6.0	30.4
247.50	15.9	7.4	37.9
270.00	11.3	5.3	27.2
292.50	11.5	5.2	27.1
315.00	22.0	9.2	49.5
337.50	16.4	6.8	36.7

LOCATION 12

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
.00	52.1	11.7	87.2
22.50	56.2	9.7	85.3
45.00	57.8	10.7	90.0
67.50	65.9	10.5	97.3
90.00	53.5	8.8	79.8
112.50	40.5	8.6	66.3
135.00	10.9	4.5	24.3
157.50	21.6	9.4	49.7
180.00	36.5	12.4	73.9
202.50	38.0	10.8	70.5
225.00	24.7	10.8	56.9
247.50	21.8	10.8	54.2
270.00	14.0	6.0	32.1
292.50	10.8	4.6	24.5
315.00	11.5	4.8	26.1
337.50	24.5	7.2	46.2

TABLE 2--PEDESTRIAN WIND VELOCITIES AND TURBULENCE INTENSITIES

ENERGY PLAZA -- DENVER

LOCATION 13

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
.00	25.2	14.7	69.2
22.50	32.2	17.0	83.2
45.00	47.7	12.7	85.7
67.50	61.3	12.5	98.7
90.00	52.5	11.1	85.8
112.50	46.2	8.6	72.0
135.00	15.1	7.3	37.1
157.50	40.4	13.8	81.7
180.00	55.2	13.3	95.1
202.50	55.8	10.5	87.2
225.00	44.2	11.3	78.2
247.50	48.8	9.6	77.5
270.00	20.9	11.1	54.3
292.50	11.7	5.2	27.2
315.00	14.0	1.8	19.4
337.50	11.5	5.2	27.2

LOCATION 14

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
.00	43.4	18.4	98.5
22.50	49.0	17.2	100.7
45.00	48.4	14.5	92.0
67.50	58.5	17.4	110.9
90.00	50.0	16.5	99.5
112.50	52.3	15.2	98.0
135.00	17.5	6.1	35.8
157.50	43.1	10.1	73.4
180.00	55.7	12.7	93.7
202.50	49.8	8.0	73.7
225.00	38.3	8.8	64.8
247.50	44.0	8.2	68.7
270.00	22.4	10.7	54.4
292.50	26.0	9.5	54.5
315.00	32.0	11.9	67.7
337.50	14.1	7.1	35.5

LOCATION 15

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
.00	20.5	10.5	52.0
22.50	23.9	12.3	59.8
45.00	29.4	13.0	68.4
67.50	46.3	12.1	82.4
90.00	46.0	12.0	82.0
112.50	41.6	14.5	85.1
135.00	29.0	10.5	60.4
157.50	34.2	13.4	74.6
180.00	31.3	12.1	67.7
202.50	14.1	5.7	31.4
225.00	19.2	9.2	46.9
247.50	15.5	7.2	37.1
270.00	18.4	9.3	46.4
292.50	14.7	6.7	34.8
315.00	18.3	7.0	39.4
337.50	19.5	7.4	41.6

LOCATION 16

WIND AZIMUTH	UMEAN/UINF (PERCENT)	URMS/UINF (PERCENT)	UMEAN+3*URMS/UINF (PERCENT)
.00	33.7	15.7	80.8
22.50	50.8	21.8	116.1
45.00	41.3	13.3	81.2
67.50	41.3	15.6	88.1
90.00	53.6	16.6	103.5
112.50	55.3	13.3	95.1
135.00	28.6	9.9	58.3
157.50	30.5	13.2	70.1
180.00	39.3	12.6	77.1
202.50	29.0	10.4	60.2
225.00	31.9	13.3	71.8
247.50	25.8	10.3	56.7
270.00	24.6	10.4	55.8
292.50	18.3	8.4	43.6
315.00	24.4	11.7	59.5
337.50	21.9	10.3	52.8

TABLE 3

ANNUAL PERCENTAGE FREQUENCIES OF WIND DIRECTION AND SPEED

Based on Summary of Hourly Observations
Stapleton Airfield, Denver
1951-1960
Anemometer Elevation = 72 ft above ground

Annual Hourly Observations of Wind Speed - Miles Per Hour

Direction	0-3	4-7	8-12	13-18	19-24	25-31	32-38	39-46	Total
N	1.1	1.9	2.0	1.1	0.3	0.2	0.1		6.7
NNE	0.7	1.4	1.1	0.9	0.2	0.1	0.1		4.5
NE	1.1	1.9	1.7	0.9	0.2	0.1			5.9
ENE	0.8	1.2	1.1	0.5	0.2	0.1			3.9
E	1.1	1.3	1.3	0.5	0.1				4.3
ESE	0.8	1.1	1.1	0.4	0.1				3.5
SE	1.1	2.1	2.0	0.7	0.1				6.0
SSE	1.1	2.1	2.1	1.0	0.4	0.2			6.9
S	2.1	5.1	7.1	3.7	0.6	0.2			18.8
SSW	1.1	3.4	3.9	1.7	0.1				10.2
SW	1.2	2.3	1.5	0.4	0.1				5.5
WSW	0.9	1.0	0.7	0.2	0.1	0.1			3.0
W	0.8	1.2	0.7	0.6	0.4	0.2	0.1	0.1	4.1
WNW	0.8	0.9	1.0	1.0	0.5	0.4	0.1		4.7
NW	1.3	1.8	1.5	1.2	0.5	0.2			6.5
NNW	0.9	1.7	1.7	0.9	0.2	0.1			5.5
Total	16.9	30.4	30.5	15.7	4.1	1.9	0.4	0.1	100.0

TABLE 4

SUMMARY OF WIND EFFECTS ON PEOPLE

	Beaufort number	Speed (mph)	Effects
Calm, light air	0,1	0- 3	Calm, no noticeable wind
Light breeze	2	4- 7	Wind felt on face
Gentle breeze	3	8-12	Wind extends light flag Hair is disturbed Clothing flaps
Moderate breeze	4	13-18	Raises dust, dry soil and loose paper Hair disarranged
Fresh breeze	5	19-24	Force of wind felt on body Drifting snow becomes airborne Limit of agreeable wind on land
Strong breeze	6	25-31	Umbrellas used with difficulty Hair blown straight Difficult to walk steadily Wind noise on ears unpleasant Windborne snow above head height (blizzard)
Near gale	7	32-38	Inconvenience felt when walking
Gale	8	39-46	Generally impedes progress Great difficulty with balance in gusts
Strong gale	9	47-54	People blown over by gusts

Note: Table from Reference 4, p. 40

TABLE 5

CALCULATION OF REFERENCE PRESSURE

1. Basic wind speed from ANSI A58.1 (Ref. 5):

   50-yr fastest mile at 30 ft = 80 mph.

   Mean hourly wind speed, 30 ft = $\frac{80}{1.27}$ = 63.0 mph.

   Mean hourly gradient wind speed = $63.0 \left(\frac{1000}{30}\right)^{.17}$ = 114.4 mph.

   Mean hourly wind at reference location = U_∞ = gradient wind =

   114.4 mph

   Reference pressure at 5000 ft = $0.83\ (0.00256)\ (114.4)^2$ = 27.8 psf

   Use reference pressure = 28 psf

2. Calculation of cladding peak pressures for 1 minute equivalent load for glass: multiply by glass load factor = 0.73 (Ref. 8)

3. Loads for 100-yr recurrence wind:

   100-yr fastest mile at 30 ft = 90 mph

   Multiply 50-yr loads by $\left(\frac{90}{80}\right)^2$ = 1.27

4. Gust load factors to convert hourly mean integrated load to mean load for various gust durations (see Section 4.4):

Duration, Sec	Gust Load Factor
10-15	$(1.4)^2$ = 1.96
30	$(1.32)^2$ = 1.74*
45	$(1.26)^2$ = 1.59

*used for calculations of Table 7.

TABLE 6 -- CLADDING AND GLASS LOADS-- CONFIGURATION A -- ENERGY CENTER II -- DENVER , COLORADO
LARGEST VALUE OF ABS(CPMAX) OR ABS(CPMIN), PEAK LOAD AND GLASS LOAD (1 MINUTE EQUIVALENT)
REFERENCE PRESSURE = 28. PSF GLASS LOAD FACTOR= .730

TAP	AZI-MUTH	PRESS COEFF	PEAK LOAD (PSF)	GLASS LOAD (PSF)
1001	165	2.12	59.4	43.3
1002	30	2.31	64.8	47.3
1003	150	2.29	64.2	46.9
1004	150	1.78	49.8	36.4
1005	165	1.25	35.0	25.6
1006	195	1.25	34.9	25.5
1007	315	1.41	39.4	28.8
1008	165	1.17	32.6	23.8
1009	165	1.42	39.9	29.1
1010	330	1.98	55.4	40.4
1011	150	1.85	51.9	37.9
1012	45	2.20	61.5	44.9
1013	150	1.70	47.6	34.8
1014	165	1.97	55.2	40.3
1015	165	1.34	37.5	27.3
1016	315	1.12	31.5	23.0
1017	165	1.02	28.6	20.9
1018	315	1.23	34.5	25.2
1019	330	1.40	39.2	28.6
1020	330	1.57	43.9	32.1
1021	150	1.90	53.3	38.9
1022	45	2.40	67.3	49.1
1023	165	1.54	43.0	31.4
1024	165	1.38	38.7	28.2
1025	165	1.26	35.2	25.7
1026	45	.99	27.8	20.3
1027	45	1.15	32.2	23.5
1028	315	1.28	35.8	26.1
1029	315	1.32	36.9	26.9
1030	330	1.36	38.1	27.8
1031	30	1.68	47.1	34.4
1032	45	2.60	72.9	53.2
1033	150	1.54	43.2	31.5
1034	165	1.35	37.7	27.5
1035	45	1.06	29.7	21.7
1036	30	1.10	30.7	22.4
1037	315	1.06	29.7	21.7
1038	315	1.26	35.2	25.7
1039	315	1.39	38.9	28.4
1040	330	1.32	37.0	27.0
1041	30	1.72	48.1	35.1
1042	30	2.37	66.5	48.5
1043	165	1.53	43.0	31.4
1044	165	1.35	37.9	27.6
1045	165	1.26	35.1	25.7
1046	30	1.03	28.8	21.1
1047	315	1.21	33.7	24.6
1048	315	1.41	39.4	28.7
1049	330	1.31	36.7	26.8
1050	315	1.38	38.7	28.2
1051	30	2.15	60.2	43.9
1052	30	2.57	72.1	52.6
1053	165	1.81	50.8	37.1
1054	165	1.35	37.9	27.7
1055	60	.99	27.6	20.2
1056	60	.95	26.5	19.4
1057	315	1.09	30.5	22.3
1058	315	1.20	33.6	24.6
1059	315	1.24	34.7	25.3
1060	315	1.24	34.6	25.3
1061	15	2.04	57.1	41.7
1062	15	2.49	69.7	50.9
1063	165	1.62	45.2	33.0
1064	75	.96	26.9	19.6
1065	45	.88	24.7	18.0
1066	45	.88	24.8	18.1
1067	45	.91	25.4	18.5
1068	285	1.20	33.7	24.6
1069	300	1.56	43.7	31.9
1070	300	1.33	37.2	27.1
1071	0	.98	27.3	19.9
1072	30	1.89	52.9	38.6
1073	270	.84	23.5	17.2
1074	270	.97	27.2	19.8
1075	300	1.09	30.6	22.4
1076	285	.97	27.1	19.8
1077	315	.96	26.8	19.6
1078	315	1.13	31.6	23.0
1079	300	.92	25.7	18.7
1080	300	1.02	28.5	20.8
1081	315	.72	20.0	14.6
1082	300	.77	21.6	15.7
1083	60	.89	24.9	18.2
1084	60	.83	23.2	16.9
1085	60	.76	21.2	15.5
1086	315	.82	23.1	16.8
1087	315	.92	25.8	18.9
1088	300	.72	20.2	14.8
1089	90	.93	25.9	18.9
1090	270	.98	27.4	20.0
1091	60	.91	25.4	18.6
1092	60	.88	24.7	18.0
1093	60	.83	23.2	16.9
1094	15	.89	25.0	18.2
1095	270	.85	23.7	17.3
1096	210	.76	21.4	15.6
1097	270	1.15	32.3	23.5
1098	270	1.25	35.0	25.6
1099	60	.72	20.2	14.8
1100	300	.73	20.3	14.8
1101	285	.81	22.6	16.5
1102	300	.89	25.0	18.3
1103	300	1.13	31.6	23.0
1104	300	1.04	29.1	21.2
1105	270	1.01	28.3	20.7
1106	270	1.01	28.3	20.7
1107	45	.69	19.3	14.1
1108	270	.76	21.2	15.5
1109	270	.78	21.7	15.9
1110	285	.89	25.0	18.2
1111	300	.30	8.4	6.1
1112	255	.44	12.4	9.1
1113	180	.70	19.6	14.3
1114	180	1.11	31.0	22.6
1115	60	.69	19.4	14.1
1116	180	.76	21.3	15.5
1117	270	.82	23.1	16.8
1118	210	.85	23.8	17.4
1119	300	1.01	28.3	20.6
1120	300	1.96	54.9	40.1
1121	180	.66	18.4	13.5
1122	180	.65	18.3	13.3
1123	180	.65	18.2	13.3
1124	15	.81	22.7	16.6
1125	15	.75	21.1	15.4
1126	345	1.13	31.5	23.0
1127	195	.57	15.9	11.6
1128	180	.71	19.9	14.5
1129	180	.63	17.7	12.9
1130	45	.68	19.0	13.8
1131	180	.63	17.7	12.9
1132	15	.87	24.4	17.8
1133	345	.79	22.0	16.1
1134	345	.86	23.9	17.5
1135	180	.53	14.8	10.8
1136	45	.78	21.9	16.0
1137	30	.89	24.8	18.1
1138	15	.88	24.7	18.1
1139	270	.65	18.1	13.2
1140	345	.98	27.4	20.0
1141	210	.75	20.9	15.2
2001	60	2.11	59.0	43.1
2002	315	1.71	47.8	34.9
2003	30	3.04	85.2	62.2
2004	210	1.47	41.2	30.1
2005	210	2.02	56.6	41.3
2006	210	1.73	48.5	35.4
2007	225	1.85	51.8	37.8
2008	225	3.51	98.4	71.8
2009	45	2.35	65.7	48.0

TABLE 6 -- CLADDING AND GLASS LOADS-- CONFIGURATION A -- ENERGY CENTER II -- DENVER , COLORADO
LARGEST VALUE OF ABS(CPMAX) OR ABS(CPMIN), PEAK LOAD AND GLASS LOAD (1 MINUTE EQUIVALENT)
REFERENCE PRESSURE = 28. PSF GLASS LOAD FACTOR= .730

TAP	AZI-MUTH	PRESS COEFF	PEAK LOAD (PSF)	GLASS LOAD (PSF)	TAP	AZI-MUTH	PRESS COEFF	PEAK LOAD (PSF)	GLASS LOAD (PSF)	TAP	AZI-MUTH	PRESS COEFF	PEAK LOAD (PSF)	GLASS LOAD (PSF)
2010	315	1.85	51.9	37.9	2060	45	1.28	35.9	26.2	2110	60	1.13	31.6	23.0
2011	45	2.34	65.4	47.8	2061	45	1.42	39.8	29.1	2111	45	.92	25.8	18.8
2012	30	1.84	51.5	37.6	2062	60	1.50	42.0	30.6	2112	45	.98	27.4	20.0
2013	60	1.61	45.1	32.9	2063	60	1.39	39.0	28.5	2113	45	1.06	29.6	21.6
2014	225	1.66	46.4	33.9	2064	45	1.60	44.9	32.8	2114	45	1.17	32.8	24.0
2015	225	2.16	60.6	44.2	2065	60	1.25	35.1	25.6	2115	60	1.06	29.8	21.7
2016	225	2.65	74.1	54.1	2066	45	1.12	31.2	22.8	2116	45	.95	26.5	19.4
2017	60	2.51	70.4	51.4	2067	45	1.36	38.1	27.8	3001	330	2.08	58.2	42.5
2018	315	1.86	52.1	38.0	2068	45	1.60	44.7	32.6	3002	225	2.84	79.5	58.0
2019	30	1.73	48.4	35.3	2069	60	1.00	27.9	20.4	3003	315	2.12	59.4	43.3
2020	45	1.66	46.4	33.9	2070	45	1.67	46.8	34.2	3004	105	1.37	38.3	28.0
2021	45	1.69	47.2	34.5	2071	45	1.33	37.4	27.3	3005	90	1.39	38.8	28.3
2022	45	1.90	53.1	38.7	2072	45	1.21	33.9	24.8	3006	15	1.75	49.0	35.8
2023	225	1.89	52.9	38.6	2073	45	1.42	39.6	28.9	3007	15	1.74	48.9	35.7
2024	225	2.21	61.7	45.1	2074	45	1.64	46.0	33.5	3008	345	1.34	37.5	27.4
2025	45	2.37	66.3	48.4	2075	45	1.38	38.5	28.1	3009	120	1.20	33.6	24.5
2026	315	1.78	49.7	36.3	2076	60	1.41	39.6	28.9	3010	120	2.36	66.1	48.2
2027	30	1.65	46.1	33.6	2077	45	1.74	48.6	35.5	3011	330	1.99	55.7	40.6
2028	30	1.54	43.1	31.5	2078	45	1.29	36.2	26.4	3012	225	2.62	73.2	53.5
2029	45	1.47	41.3	30.1	2079	45	1.24	34.8	25.4	3013	300	1.64	46.0	33.6
2030	225	1.50	41.9	30.6	2080	45	1.41	39.6	28.9	3014	300	1.58	44.2	32.2
2031	225	1.72	48.1	35.1	2081	45	1.45	40.5	29.5	3015	90	1.52	42.6	31.1
2032	225	1.93	54.0	39.4	2082	45	1.41	39.4	28.8	3016	240	1.10	30.8	22.5
2033	45	2.37	66.4	48.5	2083	45	1.47	41.1	30.0	3017	240	1.09	30.4	22.2
2034	315	1.81	50.7	37.0	2084	45	1.67	46.7	34.1	3018	120	1.18	33.0	24.1
2035	30	1.73	48.5	35.4	2085	45	1.54	43.2	31.6	3019	120	1.36	38.1	27.8
2036	30	1.68	47.1	34.4	2086	45	1.59	44.6	32.5	3020	120	1.35	37.8	27.6
2037	60	1.59	44.6	32.5	2087	45	1.60	44.9	32.8	3021	225	2.15	60.2	43.9
2038	45	1.63	45.8	33.4	2088	45	1.69	47.4	34.6	3022	225	2.89	80.9	59.1
2039	225	1.50	42.1	30.7	2089	60	1.48	41.5	30.3	3023	315	1.77	49.5	36.1
2040	225	1.74	48.8	35.7	2090	45	1.47	41.3	30.1	3024	315	1.60	44.7	32.7
2041	45	2.38	66.7	48.7	2091	60	1.82	51.0	37.2	3025	330	1.32	37.1	27.1
2042	315	1.82	50.9	37.1	2092	30	2.38	66.5	48.6	3026	225	1.05	29.4	21.4
2043	30	1.70	47.6	34.8	2093	45	1.99	55.8	40.7	3027	225	1.08	30.2	22.1
2044	30	1.50	42.0	30.7	2094	45	2.04	57.1	41.7	3028	240	1.00	28.1	20.5
2045	45	1.94	54.4	39.7	2095	45	1.62	45.5	33.2	3029	120	1.36	38.1	27.8
2046	60	1.64	46.0	33.6	2096	60	1.61	44.9	32.8	3030	120	1.52	42.6	31.1
2047	60	1.62	45.4	33.1	2097	45	1.51	42.2	30.8	3031	330	2.23	62.5	45.6
2048	60	1.83	51.2	37.4	2098	45	1.86	52.0	38.0	3032	225	2.48	69.5	50.7
2049	45	2.46	68.8	50.2	2099	60	1.46	40.9	29.9	3033	315	1.68	47.2	34.4
2050	45	1.87	52.4	38.2	2100	60	1.52	42.5	31.0	3034	315	1.56	43.6	31.8
2051	45	1.73	48.4	35.3	2101	60	1.70	47.6	34.7	3035	0	1.33	37.3	27.3
2052	45	1.77	49.4	36.1	2102	60	1.61	45.0	32.9	3036	0	1.12	31.3	22.9
2053	45	1.67	46.8	34.2	2103	60	1.27	35.4	25.9	3037	225	1.00	28.0	20.4
2054	60	1.50	42.0	30.6	2104	60	1.20	33.7	24.6	3038	240	1.12	31.3	22.9
2055	225	1.43	40.0	29.2	2105	60	1.24	34.6	25.2	3039	120	1.10	30.7	22.4
2056	60	1.58	44.2	32.3	2106	45	1.22	34.2	25.0	3040	120	1.31	36.7	26.8
2057	45	2.48	69.5	50.7	2107	45	1.22	34.0	24.9	3041	0	1.96	55.0	40.1
2058	315	1.91	53.4	39.0	2108	60	1.13	31.5	23.0	3042	225	2.25	62.9	45.9
2059	30	2.35	65.9	48.1	2109	60	1.20	33.5	24.4	3043	315	1.84	51.6	37.7

TABLE 6 -- CLADDING AND GLASS LOADS-- CONFIGURATION A -- ENERGY CENTER II -- DENVER , COLORADO
LARGEST VALUE OF ABS(CPMAX) OR ABS(CPMIN), PEAK LOAD AND GLASS LOAD (1 MINUTE EQUIVALENT)
REFERENCE PRESSURE = 28. PSF GLASS LOAD FACTOR= 730

TAP	AZI-MUTH	PRESS COEFF	PEAK LOAD (PSF)	GLASS LOAD (PSF)
3044	315	1.79	50.3	36.7
3045	0	1.54	43.1	31.5
3046	0	1.14	32.0	23.3
3047	15	.98	27.6	20.1
3048	240	1.03	29.0	21.2
3049	30	.96	26.8	19.5
3050	120	1.54	43.0	31.4
3051	0	2.26	63.3	46.2
3052	225	2.08	58.2	42.5
3053	315	1.92	53.7	39.2
3054	315	1.81	50.8	37.1
3055	0	1.68	46.9	34.2
3056	30	1.11	31.2	22.8
3057	15	1.08	30.2	22.1
3058	180	.92	25.8	18.8
3059	30	.98	27.5	20.1
3060	270	1.03	28.9	21.1
3061	345	2.07	57.9	42.2
3062	0	2.09	58.6	42.8
3063	0	1.91	53.4	39.0
3064	15	2.17	60.9	44.4
3065	15	1.51	42.3	30.9
3066	15	1.18	33.1	24.2
3067	255	1.32	36.8	26.9
3068	255	1.13	31.7	23.1
3069	255	1.14	31.9	23.3
3070	255	1.13	31.5	23.0
3071	45	1.41	39.5	28.8
3072	60	1.57	43.9	32.0
3073	315	1.62	45.3	33.1
3074	45	1.59	44.6	32.5
3075	45	1.37	38.4	28.0
3076	15	1.19	33.2	24.3
3077	15	.98	27.4	20.0
3078	15	.97	27.1	19.8
3079	15	.96	27.0	19.7
3080	15	.87	24.3	17.7
3081	15	.81	22.5	16.5
3082	75	.75	21.1	15.4
3083	315	1.21	33.9	24.8
3084	15	1.19	33.4	24.4
3085	15	1.00	28.1	20.5
3086	75	.76	21.2	15.5
3087	30	.77	21.7	15.8
3088	75	.73	20.3	14.8
3089	315	1.44	40.2	29.4
3090	315	1.19	33.3	24.3
3091	30	.99	27.8	20.3
3092	15	.81	22.7	16.6
3093	15	.87	24.3	17.7
3094	75	.74	20.7	15.1
3095	270	.90	25.1	18.3
3096	60	.76	21.3	15.6
3097	315	1.34	37.6	27.5
3098	330	1.32	36.8	26.9
3099	15	1.13	31.7	23.1
3100	15	.96	26.7	19.5
3101	15	.78	21.7	15.9
3102	60	.76	21.3	15.5
3103	270	.74	20.8	15.2
3104	270	.91	25.4	18.5
3105	315	1.50	42.1	30.8
3106	315	1.46	40.8	29.8
3107	15	1.43	40.1	29.3
3108	0	.95	26.6	19.4
3109	75	.80	22.3	16.3
3110	60	.78	21.8	15.9
3111	60	.76	21.3	15.6
3112	60	.74	20.8	15.2
3113	15	1.51	42.4	31.0
3114	15	1.55	43.5	31.7
3115	45	1.00	28.1	20.5
3116	60	.94	26.4	19.3
3117	75	.75	21.0	15.3
3118	60	.79	22.0	16.1
3119	75	.75	21.1	15.4
3120	75	.74	20.7	15.1
3122	60	.92	25.7	18.8
3123	60	1.41	39.6	28.9
3124	60	1.40	39.1	28.5
3125	15	1.94	54.2	39.6
3126	15	1.39	38.8	28.3
3127	45	1.18	33.0	24.1
3128	0	.87	24.2	17.7
3129	60	1.29	36.1	26.3
3130	75	.84	23.5	17.2
3131	60	.78	21.7	15.9
3132	60	.95	26.6	19.4
3133	30	1.64	46.0	33.6
3134	60	.79	22.0	16.1
3135	60	.91	25.5	18.6
3136	75	.92	25.6	18.7
3137	75	.92	25.7	18.8
3138	60	.90	25.2	18.4
3139	15	.80	22.4	16.3
3140	45	1.15	32.3	23.6
3141	60	1.25	35.0	25.6
3142	60	1.00	28.1	20.5
3143	75	.84	23.6	17.2
3144	60	1.27	35.4	25.9
3145	60	1.43	39.9	29.1
3146	60	.97	27.2	19.8
3147	75	.79	22.2	16.2
3148	60	.88	24.7	18.1
3149	75	.84	23.5	17.1
3150	75	.79	22.2	16.2
4001	255	2.66	74.6	54.4
4002	120	2.09	58.4	42.6
4003	240	2.71	76.0	55.5
4004	210	1.52	42.5	31.0
4005	240	1.50	42.0	30.7
4006	45	1.51	42.3	30.9
4007	60	1.70	47.7	34.8
4008	45	3.23	90.4	66.0
4009	255	2.47	69.1	50.4
4010	120	2.04	57.2	41.8
4011	210	1.97	55.1	40.2
4012	210	1.96	54.9	40.1
4013	225	1.46	40.8	29.8
4014	30	1.53	42.8	31.2
4015	45	1.91	53.5	39.1
4016	45	1.95	54.7	39.9
4017	240	2.42	67.9	49.6
4018	255	1.96	54.8	40.0
4019	255	2.04	57.1	41.7
4020	195	1.98	55.5	40.5
4021	240	1.53	43.0	31.4
4022	45	1.61	45.0	32.8
4023	60	2.03	57.0	41.6
4024	60	2.08	58.2	42.5
4025	225	2.29	64.2	46.7
4026	255	1.80	50.4	36.8
4027	240	2.11	59.0	43.1
4028	240	1.71	48.0	35.0
4029	15	1.56	43.8	31.9
4030	45	1.71	47.9	34.9
4031	60	2.06	57.6	42.1
4032	60	2.30	64.3	46.9
4033	225	2.44	68.3	49.8
4034	255	2.11	59.0	43.0
4035	225	2.48	69.3	50.6
4036	225	2.10	58.8	42.9
4037	240	1.67	46.8	34.2
4038	30	1.63	45.8	33.4
4039	60	2.07	57.8	42.2
4040	60	2.12	59.4	43.4
4041	225	2.22	62.3	45.4
4042	270	1.65	46.1	33.7
4043	225	2.05	57.4	41.9
4044	270	1.76	49.2	35.9

TABLE 6 -- CLADDING AND GLASS LOADS-- CONFIGURATION A -- ENERGY CENTER II -- DENVER , COLORADO
LARGEST VALUE OF ABS(CPMAX) OR ABS(CPMIN), PEAK LOAD AND GLASS LOAD (1 MINUTE EQUIVALENT)
REFERENCE PRESSURE = 20. PSF GLASS LOAD FACTOR= .730

TAP	AZI-MUTH	PRESS COEFF	PEAK LOAD (PSF)	GLASS LOAD (PSF)	TAP	AZI-MUTH	PRESS COEFF	PEAK LOAD (PSF)	GLASS LOAD (PSF)	TAP	AZI-MUTH	PRESS COEFF	PEAK LOAD (PSF)	GLASS LOAD (PSF)
4045	195	1.66	46.6	34.0	4077	60	2.39	67.0	48.9	4109	180	1.00	27.9	20.4
4046	15	1.66	46.4	33.9	4078	180	1.79	50.2	36.6	4110	0	1.40	39.1	28.6
4047	60	2.17	60.9	44.4	4079	180	1.54	43.1	31.5	4111	60	1.30	36.5	26.7
4048	60	2.44	68.4	49.9	4080	195	1.44	40.3	29.4	4112	60	2.14	59.9	43.7
4049	225	1.90	53.1	38.8	4081	60	1.47	41.2	30.0	4113	0	1.98	55.4	40.5
4050	285	1.22	34.1	24.9	4082	60	1.62	45.3	33.0	4114	195	.86	24.0	17.5
4051	225	2.19	61.2	44.7	4083	60	1.71	47.7	34.9	4115	60	1.33	37.2	27.1
4052	210	1.73	48.4	35.3	4084	75	1.90	53.1	38.8	5001	165	2.17	60.7	44.3
4053	195	1.49	41.7	30.4	4085	180	1.63	45.5	33.2	5002	270	2.19	61.4	44.8
4054	0	1.57	44.0	32.1	4086	195	1.56	43.7	31.9	5003	225	1.55	43.5	31.7
4055	15	2.27	63.4	46.3	4087	0	1.28	36.0	26.2	5004	45	1.80	50.3	36.7
4056	60	2.24	62.8	45.9	4088	60	1.27	35.6	26.0	5005	225	1.54	43.2	31.6
4057	225	1.67	46.7	34.1	4089	45	1.68	47.0	34.3	5006	225	1.51	42.3	30.9
4058	45	1.24	34.6	25.3	4090	45	1.99	55.6	40.6	5007	225	1.53	42.8	31.2
4059	210	2.40	67.3	49.1	4091	75	1.92	53.8	39.3	5008	240	1.47	41.1	30.0
4060	195	1.32	36.9	27.0	4092	180	1.55	43.5	31.8	5009	60	1.57	43.9	32.1
4061	45	1.17	32.8	24.0	4093	195	1.65	46.2	33.7	5010	45	1.42	39.8	29.1
4062	45	1.21	33.8	24.7	4094	0	1.38	38.6	28.2	5011	60	1.51	42.3	30.9
4063	60	1.49	41.7	30.4	4095	0	1.41	39.5	28.8	5012	60	1.84	51.6	37.7
4064	60	2.87	80.3	58.6	4096	60	1.35	37.8	27.6	5013	75	1.59	44.6	32.5
4065	180	1.48	41.3	30.2	4097	75	1.94	54.3	39.6	5014	75	1.73	48.5	35.4
4066	195	1.55	43.5	31.8	4098	75	2.19	61.2	44.7	5015	345	2.00	56.0	40.9
4067	195	1.25	34.9	25.5	4099	75	.86	24.1	17.6	5016	60	1.62	45.4	33.1
4068	60	1.59	44.4	32.4	4100	60	.84	23.6	17.3	5017	105	2.29	64.2	46.9
4069	60	1.60	44.7	32.6	4101	60	.83	23.1	16.9	5018	345	2.40	67.1	49.0
4070	60	1.72	48.1	35.1	4102	180	1.04	29.0	21.2	5100	180	.67	18.7	13.6
4071	195	1.47	41.3	30.1	4103	75	.76	21.2	15.4	5101	60	1.11	31.0	22.6
4072	195	1.67	46.7	34.1	4104	75	.78	21.9	16.0	5102	195	1.23	34.6	25.2
4073	210	1.37	38.5	28.1	4105	75	.75	21.1	15.4	5103	45	1.89	53.0	38.7
4074	60	1.57	44.0	32.1	4106	75	.74	20.6	15.0	5104	225	1.57	44.0	32.1
4075	60	1.71	47.9	34.9	4107	210	1.55	43.3	31.6	5105	60	1.07	29.8	21.8
4076	60	1.77	49.7	36.3	4108	195	1.75	49.0	35.8	5106	60	.84	23.6	17.2

TABLE 7 -
TOTAL FORCE AND MOMENT LOADS- ENERGY CENTER II -- DENVER , COLORADO

REF. PRESS.- 28.PSF GUST FACTOR-1.320 REF. AREA- 1000.SQ FT REF. HEIGHT- 482.FT.

AZIMUTH	CFX	CFY	FORCE(X) (KIPS)	FORCE(Y) (KIPS)	CMX	CMY	MOM(X) (1000-FT-KIPS)	MOM(Y)
0	15.13	-46.61	738.2	-2274.0	27.26	8.40	641.6	197.8
15	13.38	-63.50	652.7	-3098.1	34.92	8.26	821.8	194.3
30	.64	-55.36	31.4	-2700.7	30.59	.72	719.9	16.9
45	-7.03	-61.99	-343.0	-3024.1	32.96	-2.64	775.6	-62.1
60	-1.94	-71.31	-94.5	-3478.8	36.41	-.41	856.9	-9.6
75	-3.89	-69.72	-189.8	-3401.5	35.59	-2.14	837.6	-50.3
90	-8.23	-61.06	-401.5	-2978.7	31.99	-4.77	752.9	-112.3
105	-12.6	-43.66	-615.0	-2130.0	23.47	-7.67	552.4	-180.6
120	-12.2	-25.04	-594.1	-1221.8	13.46	-7.75	316.8	-182.5
135	-4.65	6.64	-227.1	324.1	-3.52	-3.06	-82.8	-72.0
150	-2.00	23.10	-97.7	1127.1	-13.15	-2.23	-309.4	-52.4
165	-1.38	42.67	-67.5	2081.5	-24.74	-2.02	-582.3	-47.6
180	3.47	46.48	169.1	2267.4	-25.88	.95	-609.0	22.2
195	5.17	40.39	252.1	1970.4	-22.47	3.12	-528.9	73.3
210	4.15	40.24	202.6	1963.3	-22.96	3.20	-540.2	75.3
225	1.01	35.02	49.1	1708.7	-19.74	1.22	-464.6	28.8
240	7.13	32.44	348.0	1582.9	-18.32	5.55	-431.1	130.7
255	13.12	34.48	640.3	1682.4	-18.89	9.79	-444.6	230.3
270	20.63	23.19	1006.4	1131.4	-14.27	13.29	-335.8	312.7
285	14.09	11.12	687.4	542.7	-7.04	8.56	-165.7	201.4
300	13.11	5.82	639.6	283.8	-4.55	7.68	-107.2	180.8
315	12.54	1.69	611.9	82.6	-1.44	7.46	-33.9	175.6
330	7.99	-12.81	389.7	-625.0	7.46	4.65	175.6	109.3
345	14.63	-33.68	713.6	-1643.2	20.68	8.66	486.7	203.8

TABLE 7 -
FLOOR FORCE AND MOMENT LOADS - ENERGY CENTER II -- DENVER , COLORADO

DATA FOR WIND DIR. 0 REF PRESS.-28.PSF GUST FACTOR-1.320 REF. AREA- 1000.SQ FT REF. HEIGHT- 482.FT

FLOOR	CFX	CFY	FORCE(X) (KIPS)	FORCE(Y) (KIPS)	CMX	CMY	MOM(X) (1000-FT-KIPS)	MOM(Y) (1000-FT-KIPS)
1	.63	-1.16	30.6	-56.5	.03	.02	.706	.383
2	.34	-.65	16.6	-31.7	.04	.02	.984	.515
3	.25	-.54	12.4	-26.2	.05	.02	1.093	.515
4	.25	-.56	12.2	-27.1	.06	.03	1.387	.623
5	.25	-.57	12.1	-28.1	.07	.03	1.698	.734
6	.25	-.59	12.1	-29.0	.09	.04	2.027	.844
7	.25	-.61	12.0	-29.9	.10	.04	2.373	.952
8	.24	-.62	11.9	-30.1	.11	.04	2.673	1.058
9	.24	-.62	11.8	-30.2	.13	.05	2.969	1.161
10	.24	-.62	11.7	-30.4	.14	.05	3.268	1.263
11	.24	-.63	11.6	-30.5	.15	.06	3.570	1.363
12	.24	-.63	11.6	-30.6	.16	.06	3.874	1.462
13	.24	-.64	11.5	-31.0	.18	.07	4.217	1.567
14	.24	-.65	11.5	-31.5	.19	.07	4.584	1.674
15	.24	-.66	11.5	-32.1	.21	.08	4.961	1.781
16	.32	-.91	15.7	-44.5	.31	.11	7.388	2.598
17	.36	-.92	17.6	-45.1	.35	.13	8.141	3.174
18	.23	-.70	11.1	-34.1	.28	.09	6.585	2.146
19	.32	-1.04	15.4	-50.6	.44	.13	10.302	3.137
20	.31	-1.11	15.3	-54.3	.50	.14	11.732	3.316
21	.31	-1.19	15.3	-58.0	.56	.15	13.255	3.494
22	.32	-1.25	15.6	-61.2	.63	.16	14.761	3.763
23	.34	-1.31	16.5	-63.8	.69	.18	16.184	4.182
24	.36	-1.36	17.4	-66.4	.75	.20	17.672	4.622
25	.37	-1.41	18.2	-69.0	.82	.22	19.224	5.084
26	.39	-1.47	19.1	-71.6	.89	.24	20.842	5.569
27	.41	-1.52	20.1	-74.3	.96	.26	22.563	6.094
28	.43	-1.58	21.1	-77.2	1.04	.28	24.417	6.669
29	.45	-1.64	22.1	-80.2	1.12	.31	26.343	7.269
30	.47	-1.70	23.1	-83.1	1.20	.34	28.343	7.895
31	.50	-1.76	24.2	-86.0	1.29	.36	30.416	8.547
32	.52	-1.81	25.3	-88.3	1.37	.39	32.332	9.255
33	.54	-1.83	26.5	-89.3	1.44	.43	33.817	10.036
34	.57	-1.85	27.7	-90.3	1.50	.46	35.327	10.847
35	.58	-1.87	28.2	-91.1	1.56	.48	36.758	11.393
36	.57	-1.88	27.9	-91.5	1.62	.49	38.067	11.605
37	.56	-1.86	27.4	-90.5	1.65	.50	38.807	11.752
38	.55	-1.81	26.8	-88.3	1.66	.50	38.968	11.827
39	.50	-1.66	24.2	-81.0	1.56	.47	36.751	10.963
40	.41	-1.45	19.9	-70.7	1.40	.39	32.996	9.285
41	.31	.03	15.2	1.6	-.03	.31	-.760	7.349

TABLE 7 -
FLOOR FORCE AND MOMENT LOADS - ENERGY CENTER II -- DENVER , COLORADO

DATA FOR WIND DIR. 345 REF. PRESS.-28.PSF GUST FACTOR-1.320 REF. AREA- 1000.SQ FT REF. HEIGHT- 482.FT

FLOOR	CFX	CFY	FORCE(X) (KIPS)	FORCE(Y) (KIPS)	CMX	CMY	MOM(X) (1000-FT-KIPS)	MOM(Y) (1000-FT-KIPS)
1	.47	-.24	23.2	11.9	-.01	.01	-.149	.289
2	.25	-.39	12.3	-18.8	.02	.02	.583	.380
3	.22	-.38	10.6	-18.8	.03	.02	.783	.440
4	.21	-.41	10.1	-20.1	.04	.02	1.030	.518
5	.20	-.44	9.7	-21.5	.06	.02	1.303	.588
6	.19	-.47	9.3	-22.9	.07	.03	1.601	.651
7	.18	-.50	8.9	-24.3	.08	.03	1.926	.707
8	.18	-.50	8.9	-24.2	.09	.03	2.149	.793
9	.18	-.49	9.0	-24.0	.10	.04	2.358	.884
10	.19	-.49	9.1	-23.8	.11	.04	2.564	.976
11	.19	-.48	9.1	-23.6	.12	.05	2.766	1.070
12	.19	-.48	9.2	-23.4	.13	.05	2.964	1.165
13	.19	-.48	9.4	-23.4	.13	.05	3.175	1.271
14	.20	-.48	9.5	-23.3	.14	.06	3.391	1.384
15	.20	-.48	9.7	-23.3	.15	.06	3.607	1.500
16	.29	-.65	14.0	-31.9	.23	.10	5.301	2.330
17	.42	-.73	20.3	-35.5	.27	.16	6.405	3.669
18	.20	-.50	9.5	-24.4	.20	.08	4.708	1.841
19	.28	-.73	13.5	-35.8	.31	.12	7.287	2.752
20	.28	-.78	13.8	-38.0	.35	.13	8.208	2.984
21	.29	-.82	14.1	-40.2	.39	.14	9.184	3.223
22	.30	-.87	14.7	-42.4	.43	.15	10.221	3.541
23	.32	-.91	15.7	-44.6	.48	.17	11.315	3.984
24	.34	-.96	16.7	-46.8	.53	.19	12.465	4.453
25	.36	-1.01	17.8	-49.1	.58	.21	13.670	4.947
26	.38	-1.05	18.8	-51.3	.63	.23	14.930	5.466
27	.41	-1.09	20.0	-53.2	.69	.26	16.166	6.067
28	.44	-1.12	21.4	-54.7	.74	.29	17.302	6.780
29	.47	-1.15	22.9	-56.2	.79	.32	18.476	7.529
30	.50	-1.18	24.4	-57.7	.84	.35	19.687	8.314
31	.53	-1.21	25.8	-59.2	.89	.39	20.936	9.136
32	.55	-1.24	27.1	-60.6	.94	.42	22.185	9.909
33	.57	-1.27	28.0	-61.8	.99	.45	23.393	10.591
34	.59	-1.29	28.9	-63.0	1.05	.48	24.631	11.294
35	.61	-1.32	29.7	-64.4	1.11	.51	26.011	11.994
36	.62	-1.36	30.5	-66.3	1.17	.54	27.584	12.682
37	.63	-1.38	30.5	-67.5	1.23	.56	28.949	13.086
38	.61	-1.40	29.9	-68.2	1.28	.56	30.097	13.190
39	.56	-1.35	27.2	-66.0	1.27	.52	29.926	12.345
40	.47	-1.31	23.1	-63.8	1.26	.46	29.755	10.799
41	.35	-.76	17.2	-36.9	.76	.35	17.818	8.315

TABLE 7 -
FLOOR FORCE AND MOMENT LOADS - ENERGY CENTER II -- DENVER , COLORADO

DATA FOR WIND DIR. 15 REF. PRESS.-28.PSF GUST FACTOR-1.320 REF. AREA- 1000.SQ FT REF. HEIGHT- 482.FT

FLOOR	CFX	CFY	FORCE(X) (KIPS)	FORCE(Y) (KIPS)	CMX	CMY	MOM(X) (1000-FT-KIPS)	MOM(Y) (1000-FT-KIPS)
1	.44	-1.78	21.7	-86.9	.05	.01	1.086	.271
2	.18	-1.30	8.7	-63.5	.08	.01	1.969	.270
3	.19	-.83	9.5	-40.3	.07	.02	1.680	.396
4	.17	-.86	8.5	-42.0	.09	.02	2.147	.434
5	.16	-.90	7.6	-43.7	.11	.02	2.647	.462
6	.14	-.93	6.8	-45.4	.14	.02	3.179	.475
7	.12	-.97	5.9	-47.2	.16	.02	3.743	.471
8	.11	-.98	5.5	-47.6	.18	.02	4.231	.485
9	.10	-.98	5.0	-48.0	.20	.02	4.718	.495
10	.09	-.99	4.6	-48.4	.22	.02	5.211	.497
11	.09	-1.00	4.2	-48.8	.24	.02	5.712	.491
12	.08	-1.01	3.8	-49.2	.26	.02	6.220	.476
13	.08	-1.02	3.7	-49.6	.29	.02	6.740	.505
14	.08	-1.03	3.8	-50.0	.31	.02	7.271	.551
15	.08	-1.03	3.9	-50.5	.33	.03	7.810	.599
16	.11	-1.42	5.4	-69.4	.49	.04	11.510	.889
17	.12	-1.38	5.9	-67.2	.52	.05	12.126	1.064
18	.10	-1.12	4.8	-54.7	.45	.04	10.556	.932
19	.20	-1.63	9.9	-79.4	.69	.09	16.168	2.018
20	.28	-1.71	13.6	-83.4	.77	.13	18.013	2.946
21	.36	-1.79	17.4	-87.3	.85	.17	19.957	3.967
22	.41	-1.85	20.1	-90.3	.92	.21	21.766	4.857
23	.44	-1.89	21.6	-92.0	.99	.23	23.327	5.491
24	.47	-1.92	23.2	-93.7	1.06	.26	24.929	6.162
25	.51	-1.96	24.7	-95.4	1.13	.29	26.575	6.872
26	.54	-1.99	26.2	-97.1	1.20	.32	28.263	7.619
27	.56	-2.03	27.2	-99.0	1.28	.35	30.051	8.261
28	.57	-2.07	27.6	-101.2	1.36	.37	31.988	8.725
29	.57	-2.12	28.0	-103.4	1.44	.39	33.980	9.198
30	.58	-2.16	28.4	-105.6	1.53	.41	36.027	9.681
31	.59	-2.21	28.8	-107.8	1.62	.43	38.130	10.174
32	.59	-2.25	28.7	-109.6	1.71	.45	40.138	10.492
33	.57	-2.27	27.9	-110.6	1.78	.45	41.869	10.546
34	.55	-2.29	27.1	-111.5	1.85	.45	43.624	10.581
35	.54	-2.30	26.3	-112.2	1.93	.45	45.303	10.606
36	.52	-2.31	25.5	-112.6	1.99	.45	46.869	10.625
37	.50	-2.27	24.6	-110.9	2.02	.45	47.550	10.535
38	.48	-2.20	23.4	-107.3	2.01	.44	47.332	10.330
39	.43	-1.94	21.0	-94.8	1.83	.40	43.003	9.508
40	.37	-1.51	17.8	-73.5	1.46	.35	34.286	8.326
41	.30	.68	14.6	32.9	-.68	.30	-15.891	7.025

TABLE 7 -
FLOOR FORCE AND MOMENT LOADS - ENERGY CENTER II -- DENVER , COLORADO

DATA FOR WIND DIR. 30 REF. PRESS.-28.PSF GUST FACTOR-1.320 REF. AREA- 1000.SQ FT REF. HEIGHT- 482.FT

FLOOR	CFX	CFY	FORCE(X) (KIPS)	FORCE(Y) (KIPS)	CMX	CMY	MOM(X) (1000-FT-KIPS)	MOM(Y) (1000-FT-KIPS)
1	.19	-1.77	9.5	-86.2	.05	-.01	1.078	.118
2	-.02	-1.41	-1.1	-68.6	.09	-.00	2.127	-.034
3	.04	-.74	1.8	-36.1	.06	.00	1.505	.077
4	.02	-.76	.8	-37.1	.08	.00	1.899	.042
5	-.00	-.78	-.1	-38.2	.10	-.00	2.314	-.006
6	-.02	-.81	-1.0	-39.3	.12	-.00	2.749	-.070
7	-.04	-.83	-1.9	-40.4	.14	-.01	3.203	-.151
8	-.04	-.83	-2.1	-40.7	.15	-.01	3.613	-.186
9	-.05	-.84	-2.2	-41.0	.17	-.01	4.023	-.218
10	-.05	-.84	-2.3	-41.2	.19	-.01	4.437	-.252
11	-.05	-.85	-2.5	-41.5	.21	-.01	4.856	-.288
12	-.05	-.86	-2.6	-41.8	.22	-.01	5.281	-.326
13	-.05	-.87	-2.5	-42.6	.25	-.01	5.795	-.340
14	-.05	-.90	-2.4	-43.8	.27	-.01	6.365	-.342
15	-.05	-.92	-2.2	-45.0	.30	-.01	6.958	-.342
16	-.06	-1.29	-2.9	-62.7	.44	-.02	10.408	-.481
17	-.08	-1.16	-3.8	-56.6	.43	-.03	10.205	-.688
18	-.08	-.88	-3.7	-42.8	.35	-.03	8.248	-.720
19	-.08	-1.26	-3.9	-61.4	.53	-.03	12.501	-.802
20	-.05	-1.31	-2.5	-63.7	.59	-.02	13.770	-.537
21	-.02	-1.35	-1.0	-66.0	.64	-.01	15.098	-.237
22	-.00	-1.41	-.0	-68.6	.70	-.00	16.550	-.006
23	.01	-1.47	.4	-71.6	.77	.00	18.166	.099
24	.02	-1.53	.8	-74.6	.84	.01	19.856	.214
25	.02	-1.59	1.2	-77.6	.92	.01	21.621	.339
26	.03	-1.65	1.6	-80.6	1.00	.02	23.461	.475
27	.04	-1.72	2.1	-83.7	1.08	.03	25.418	.647
28	.06	-1.78	2.7	-87.0	1.17	.04	27.512	.861
29	.07	-1.85	3.3	-90.3	1.26	.05	29.690	1.089
30	.08	-1.92	3.9	-93.7	1.36	.06	31.950	1.332
31	.09	-1.99	4.5	-97.0	1.46	.07	34.293	1.590
32	.10	-2.04	5.1	-99.7	1.55	.08	36.489	1.863
33	.12	-2.07	5.7	-101.1	1.63	.09	38.271	2.153
34	.13	-2.10	6.3	-102.5	1.70	.10	40.088	2.458
35	.12	-2.13	5.9	-103.8	1.78	.10	41.888	2.390
36	.09	-2.15	4.5	-104.9	1.85	.08	43.643	1.861
37	.08	-2.11	3.7	-103.1	1.88	.07	44.186	1.604
38	.08	-2.02	3.7	-98.6	1.85	.07	43.497	1.617
39	.07	-1.81	3.4	-88.3	1.70	.07	40.072	1.530
40	.06	-1.52	3.0	-74.2	1.47	.06	34.609	1.386
41	-.04	.75	-1.7	36.8	-.75	-.04	-17.757	-.842

TABLE 7 -
FLOOR FORCE AND MOMENT LOADS - ENERGY CENTER II -- DENVER , COLORADO

DATA FOR WIND DIR. 45 REF. PRESS.-28.PSF GUST FACTOR-1.320 REF. AREA- 1000.SQ FT REF. HEIGHT- 482.FT

FLOOR	CFX	CFY	FORCE(X) (KIPS)	FORCE(Y) (KIPS)	CMX	CMY	MOM(X) (1000-FT-KIPS)	MOM(Y)
1	-.33	-2.09	-16.0	-102.1	.05	-.01	1.276	-.200
2	-.50	-2.10	-24.2	-102.3	.13	-.03	3.171	-.751
3	-.23	-.86	-11.4	-41.8	.07	-.02	1.743	-.475
4	-.23	-.89	-11.4	-43.6	.09	-.02	2.228	-.583
5	-.23	-.93	-11.4	-45.3	.12	-.03	2.745	-.689
6	-.23	-.97	-11.4	-47.1	.14	-.03	3.296	-.795
7	-.23	-1.00	-11.4	-48.9	.16	-.04	3.880	-.902
8	-.22	-1.00	-10.7	-48.7	.18	-.04	4.327	-.946
9	-.20	-.99	-9.9	-48.4	.20	-.04	4.752	-.969
10	-.19	-.98	-9.1	-48.0	.22	-.04	5.172	-.978
11	-.17	-.98	-8.3	-47.7	.24	-.04	5.585	-.972
12	-.15	-.97	-7.5	-47.4	.25	-.04	5.992	-.952
13	-.15	-.99	-7.4	-48.5	.28	-.04	6.590	-1.000
14	-.15	-1.03	-7.4	-50.2	.31	-.05	7.303	-1.078
15	-.15	-1.07	-7.5	-52.0	.34	-.05	8.048	-1.156
16	-.21	-1.51	-10.0	-73.7	.52	-.07	12.236	-1.663
17	-.20	-1.59	-9.7	-77.4	.59	-.07	13.961	-1.755
18	-.13	-1.12	-6.3	-54.4	.45	-.05	10.494	-1.211
19	-.20	-1.58	-9.8	-77.1	.67	-.08	15.689	-1.999
20	-.23	-1.61	-11.1	-78.8	.72	-.10	17.023	-2.397
21	-.25	-1.65	-12.4	-80.5	.78	-.12	18.400	-2.827
22	-.26	-1.69	-12.8	-82.4	.84	-.13	19.858	-3.085
23	-.25	-1.73	-12.1	-84.5	.91	-.13	21.420	-3.074
24	-.23	-1.77	-11.4	-86.6	.98	-.13	23.035	-3.045
25	-.22	-1.82	-10.8	-88.7	1.05	-.13	24.702	-3.000
26	-.21	-1.86	-10.1	-90.8	1.12	-.12	26.422	-2.938
27	-.19	-1.90	-9.2	-92.8	1.20	-.12	28.172	-2.787
28	-.16	-1.94	-8.0	-94.6	1.27	-.11	29.915	-2.520
29	-.14	-1.98	-6.8	-96.5	1.35	-.09	31.704	-2.224
30	-.11	-2.02	-5.6	-98.3	1.43	-.08	33.539	-1.897
31	-.09	-2.05	-4.4	-100.2	1.51	-.07	35.420	-1.540
32	-.07	-2.08	-3.4	-101.5	1.58	-.05	37.159	-1.244
33	-.06	-2.09	-2.8	-101.8	1.64	-.05	38.549	-1.063
34	-.05	-2.09	-2.2	-102.1	1.70	-.04	39.947	-.867
35	-.04	-2.10	-2.2	-102.7	1.76	-.04	41.437	-.880
36	-.06	-2.12	-2.8	-103.5	1.83	-.05	43.051	-1.154
37	-.07	-2.11	-3.3	-103.1	1.88	-.06	44.176	-1.411
38	-.08	-2.08	-3.7	-101.6	1.90	-.07	44.813	-1.642
39	-.07	-1.86	-3.6	-90.8	1.75	-.07	41.196	-1.647
40	-.06	-1.44	-3.0	-70.4	1.40	-.06	32.847	-1.400
41	-.02	.66	-.8	32.4	-.66	-.02	-15.631	-.378

TABLE 7 -
FLOOR FORCE AND MOMENT LOADS - ENERGY CENTER II -- DENVER , COLORADO

DATA FOR WIND DIR. 60 REF. PRESS.-28.PSF GUST FACTOR-1.320 REF. AREA- 1000.SQ FT REF. HEIGHT- 482.FT

FLOOR	CFX	CFY	FORCE(X) (KIPS)	FORCE(Y) (KIPS)	CMX	CMY	MOM(X) (1000-FT-KIPS)	MOM(Y) (1000-FT-KIPS)
1	-.07	-2.80	-3.4	-136.6	.07	-.00	1.707	-.043
2	-.41	-2.71	-20.0	-132.0	.17	-.03	4.092	-.620
3	-.12	-1.13	-6.0	-55.3	.10	-.01	2.307	-.249
4	-.12	-1.17	-5.8	-57.3	.12	-.01	2.929	-.297
5	-.12	-1.21	-5.6	-59.3	.15	-.01	3.589	-.341
6	-.11	-1.26	-5.4	-61.2	.18	-.02	4.285	-.381
7	-.11	-1.30	-5.3	-63.2	.21	-.02	5.018	-.418
8	-.10	-1.28	-4.7	-62.7	.24	-.02	5.567	-.413
9	-.08	-1.27	-4.0	-61.9	.26	-.02	6.083	-.393
10	-.07	-1.25	-3.3	-61.2	.28	-.02	6.585	-.360
11	-.06	-1.24	-2.7	-60.4	.30	-.01	7.072	-.315
12	-.04	-1.22	-2.0	-59.7	.32	-.01	7.546	-.257
13	-.03	-1.23	-1.6	-60.0	.35	-.01	8.155	-.213
14	-.02	-1.25	-1.2	-60.8	.38	-.01	8.841	-.170
15	-.02	-1.26	-.8	-61.7	.41	-.01	9.543	-.119
16	-.03	-1.76	-1.2	-86.0	.61	-.01	14.273	-.206
17	-.13	-2.02	-6.4	-98.6	.76	-.05	17.792	-1.149
18	-.06	-1.25	-3.1	-60.9	.50	-.03	11.754	-.605
19	-.08	-1.78	-4.1	-86.7	.75	-.04	17.653	-.830
20	-.08	-1.83	-3.8	-89.1	.82	-.03	19.253	-.811
21	-.07	-1.87	-3.4	-91.5	.89	-.03	20.912	-.783
22	-.06	-1.92	-2.9	-93.6	.96	-.03	22.560	-.691
23	-.04	-1.95	-2.0	-95.3	1.03	-.02	24.157	-.503
24	-.02	-1.99	-1.1	-96.9	1.10	-.01	25.796	-.294
25	-.00	-2.02	-.2	-98.6	1.17	-.00	27.478	-.062
26	.01	-2.06	.7	-100.3	1.24	.01	29.202	.192
27	.03	-2.09	1.2	-102.1	1.32	.02	30.997	.378
28	.03	-2.13	1.4	-104.0	1.40	.02	32.890	.453
29	.03	-2.17	1.6	-106.0	1.48	.02	34.831	.532
30	.04	-2.21	1.8	-107.9	1.56	.03	36.821	.615
31	.04	-2.25	2.0	-109.9	1.65	.03	38.859	.703
32	.04	-2.28	2.0	-111.3	1.73	.03	40.753	.721
33	.03	-2.29	1.7	-111.7	1.80	.03	42.272	.626
34	.03	-2.30	1.3	-112.0	1.86	.02	43.800	.523
35	.02	-2.29	.8	-111.8	1.92	.01	45.139	.311
36	-.00	-2.28	-.1	-111.0	1.96	-.00	46.200	-.031
37	-.02	-2.23	-1.0	-108.8	1.98	-.02	46.613	-.413
38	-.04	-2.15	-1.9	-105.1	1.97	-.04	46.371	-.837
39	-.05	-1.89	-2.5	-92.4	1.78	-.05	41.935	-1.153
40	-.06	-1.44	-3.0	-70.4	1.40	-.06	32.863	-1.409
41	-.01	.75	-.5	36.5	-.75	-.01	-17.611	-.257

TABLE 7 -
FLOOR FORCE AND MOMENT LOADS - ENERGY CENTER II -- DENVER , COLORADO

DATA FOR WIND DIR. 75 REF. PRESS.-28.PSF GUST FACTOR-1.320 REF. AREA- 1000.SQ FT REF. HEIGHT- 482.FT

FLOOR	CFX	CFY	FORCE(X) (KIPS)	FORCE(Y) (KIPS)	CMX	CMY	MOM(X) (1000-FT-KIPS)	MOM(Y)
1	-.16	-2.62	-7.7	-128.0	.07	-.00	1.599	-.096
2	-.20	-2.65	-10.0	-129.5	.17	-.01	4.014	-.309
3	-.07	-1.12	-3.6	-54.8	.10	-.01	2.287	-.149
4	-.07	-1.17	-3.4	-57.1	.12	-.01	2.922	-.173
5	-.07	-1.22	-3.2	-59.5	.15	-.01	3.600	-.196
6	-.06	-1.27	-3.1	-61.8	.18	-.01	4.322	-.217
7	-.06	-1.31	-3.0	-64.1	.22	-.01	5.088	-.235
8	-.06	-1.29	-2.9	-63.1	.24	-.01	5.605	-.262
9	-.06	-1.27	-3.0	-61.8	.26	-.01	6.074	-.290
10	-.06	-1.24	-3.0	-60.6	.28	-.01	6.520	-.319
11	-.06	-1.22	-3.0	-59.3	.29	-.01	6.942	-.347
12	-.06	-1.19	-3.0	-58.0	.31	-.02	7.340	-.376
13	-.06	-1.19	-3.0	-58.0	.33	-.02	7.879	-.410
14	-.06	-1.20	-3.1	-58.5	.36	-.02	8.495	-.447
15	-.06	-1.21	-3.1	-58.9	.39	-.02	9.120	-.486
16	-.10	-1.67	-5.0	-81.7	.58	-.04	13.556	-.834
17	-.22	-1.91	-10.5	-93.1	.71	-.08	16.795	-1.899
18	-.09	-1.23	-4.5	-59.8	.49	-.04	11.540	-.871
19	-.12	-1.74	-5.7	-85.1	.74	-.05	17.330	-1.166
20	-.10	-1.79	-5.1	-87.4	.80	-.05	18.898	-1.100
21	-.09	-1.84	-4.5	-89.8	.87	-.04	20.525	-1.018
22	-.08	-1.88	-3.9	-91.9	.94	-.04	22.149	-.936
23	-.07	-1.92	-3.4	-93.6	1.01	-.04	23.735	-.860
24	-.06	-1.95	-2.9	-95.3	1.08	-.03	25.365	-.772
25	-.05	-1.99	-2.4	-97.0	1.15	-.03	27.038	-.672
26	-.04	-2.02	-1.9	-98.8	1.22	-.02	28.754	-.560
27	-.03	-2.06	-1.6	-100.5	1.30	-.02	30.515	-.473
28	-.03	-2.10	-1.4	-102.2	1.37	-.02	32.322	-.432
29	-.02	-2.13	-1.2	-104.0	1.45	-.02	34.173	-.385
30	-.02	-2.17	-1.0	-105.7	1.53	-.01	36.067	-.334
31	-.02	-2.20	-.8	-107.5	1.61	-.01	38.005	-.278
32	-.03	-2.23	-1.4	-108.7	1.69	-.02	39.814	-.495
33	-.06	-2.24	-3.0	-109.1	1.75	-.05	41.288	-1.120
34	-.09	-2.24	-4.6	-109.4	1.82	-.08	42.770	-1.785
35	-.13	-2.23	-6.1	-109.0	1.87	-.11	44.001	-2.479
36	-.16	-2.21	-7.7	-107.8	1.91	-.14	44.866	-3.196
37	-.19	-2.16	-9.3	-105.4	1.92	-.17	45.159	-3.997
38	-.23	-2.08	-11.1	-101.7	1.91	-.21	44.870	-4.887
39	-.24	-1.82	-11.9	-89.0	1.72	-.23	40.378	-5.383
40	-.25	-1.37	-12.1	-66.6	1.32	-.24	31.095	-5.668
41	-.18	.65	-9.0	31.6	-.65	-.18	-15.242	-4.345

TABLE 7 -
FLOOR FORCE AND MOMENT LOADS - ENERGY CENTER II -- DENVER , COLORADO

DATA FOR WIND DIR. 90 REF. PRESS.-28.PSF GUST FACTOR-1.320 REF. AREA- 1000.SQ FT REF. HEIGHT- 482.FT

FLOOR	CFX	CFY	FORCE(X) (KIPS)	FORCE(Y) (KIPS)	CMX	CMY	MOM(X) (1000-FT-KIPS)	MOM(Y) (1000-FT-KIPS)
1	-.40	-2.06	-19.4	-100.4	.05	-.01	1.255	-.242
2	-.18	-2.33	-8.9	-113.9	.15	-.01	3.531	-.274
3	-.13	-.87	-6.4	-42.3	.08	-.01	1.766	-.269
4	-.13	-.91	-6.5	-44.4	.10	-.01	2.272	-.332
5	-.13	-.95	-6.6	-46.5	.12	-.02	2.817	-.397
6	-.14	-1.00	-6.6	-48.6	.14	-.02	3.402	-.464
7	-.14	-1.04	-6.7	-50.7	.17	-.02	4.026	-.531
8	-.14	-1.03	-6.8	-50.1	.19	-.03	4.453	-.603
9	-.14	-1.01	-6.9	-49.3	.21	-.03	4.846	-.677
10	-.14	-.99	-7.0	-48.5	.22	-.03	5.223	-.753
11	-.15	-.98	-7.1	-47.7	.24	-.04	5.585	-.831
12	-.15	-.96	-7.2	-46.9	.25	-.04	5.931	-.911
13	-.14	-.97	-7.0	-47.5	.27	-.04	6.456	-.946
14	-.14	-1.00	-6.6	-48.7	.30	-.04	7.083	-.959
15	-.13	-1.02	-6.2	-50.0	.33	-.04	7.734	-.965
16	-.18	-1.45	-8.8	-70.6	.50	-.06	11.713	-1.460
17	-.31	-1.67	-15.4	-81.6	.63	-.12	14.722	-2.772
18	-.15	-1.11	-7.3	-54.0	.44	-.06	10.405	-1.411
19	-.19	-1.56	-9.4	-76.3	.66	-.08	15.542	-1.906
20	-.17	-1.60	-8.4	-78.0	.72	-.08	16.848	-1.821
21	-.15	-1.63	-7.5	-79.6	.77	-.07	18.194	-1.714
22	-.14	-1.67	-6.7	-81.5	.84	-.07	19.656	-1.610
23	-.12	-1.72	-6.0	-83.9	.90	-.06	21.276	-1.521
24	-.11	-1.77	-5.3	-86.3	.98	-.06	22.955	-1.415
25	-.10	-1.82	-4.6	-88.6	1.05	-.05	24.693	-1.292
26	-.08	-1.87	-4.0	-91.0	1.13	-.05	26.490	-1.152
27	-.08	-1.90	-3.8	-92.9	1.20	-.05	28.198	-1.150
28	-.09	-1.93	-4.3	-93.9	1.26	-.06	29.690	-1.362
29	-.10	-1.95	-4.8	-95.0	1.33	-.07	31.207	-1.586
30	-.11	-1.97	-5.3	-96.0	1.39	-.08	32.750	-1.824
31	-.12	-1.99	-5.9	-97.1	1.46	-.09	34.320	-2.075
32	-.15	-2.01	-7.3	-97.8	1.52	-.11	35.820	-2.679
33	-.21	-2.01	-10.0	-98.1	1.58	-.16	37.137	-3.801
34	-.26	-2.02	-12.8	-98.3	1.63	-.21	38.459	-4.991
35	-.32	-2.00	-15.8	-97.8	1.68	-.27	39.467	-6.360
36	-.39	-1.97	-19.1	-96.2	1.70	-.34	40.016	-7.933
37	-.45	-1.91	-22.1	-93.3	1.70	-.40	39.994	-9.452
38	-.51	-1.83	-24.8	-89.3	1.67	-.46	39.390	-10.921
39	-.51	-1.61	-24.8	-78.6	1.52	-.48	35.662	-11.243
40	-.46	-1.26	-22.5	-61.7	1.22	-.45	28.787	-10.502
41	-.39	.29	-19.2	14.3	-.29	-.39	-6.899	-9.242

TABLE 7 -
FLOOR FORCE AND MOMENT LOADS - ENERGY CENTER II -- DENVER , COLORADO

DATA FOR WIND DIR. 105 REF. PRESS.-28.PSF GUST FACTOR-1.320 REF. AREA- 1000.SQ FT REF. HEIGHT- 482.FT

FLOOR	CFX	CFY	FORCE(X) (KIPS)	FORCE(Y) (KIPS)	CMX	CMY	MOM(X) (1000-FT-KIPS)	MOM(Y)
1	-.72	-1.08	-35.2	-52.7	.03	-.02	.659	-.440
2	-.25	-1.70	-12.1	-82.7	.11	-.02	2.564	-.376
3	-.16	-.53	-7.9	-25.7	.05	-.01	1.074	-.330
4	-.16	-.57	-8.0	-27.9	.06	-.02	1.426	-.407
5	-.17	-.62	-8.1	-30.0	.08	-.02	1.819	-.489
6	-.17	-.66	-8.2	-32.2	.10	-.02	2.253	-.574
7	-.17	-.70	-8.3	-34.3	.12	-.03	2.727	-.661
8	-.17	-.70	-8.5	-34.3	.13	-.03	3.048	-.752
9	-.18	-.70	-8.6	-34.1	.14	-.04	3.349	-.846
10	-.18	-.69	-8.8	-33.9	.15	-.04	3.646	-.944
11	-.18	-.69	-8.9	-33.6	.17	-.04	3.938	-1.044
12	-.19	-.68	-9.1	-33.4	.18	-.05	4.226	-1.147
13	-.18	-.70	-9.0	-34.2	.20	-.05	4.646	-1.217
14	-.18	-.73	-8.7	-35.4	.22	-.05	5.145	-1.272
15	-.18	-.75	-8.5	-36.6	.24	-.06	5.666	-1.322
16	-.24	-1.07	-11.9	-52.1	.37	-.08	8.646	-1.979
17	-.36	-1.21	-17.4	-58.8	.45	-.13	10.611	-3.132
18	-.15	-.88	-7.2	-42.8	.35	-.06	8.255	-1.392
19	-.20	-1.21	-9.7	-59.2	.51	-.08	12.058	-1.968
20	-.19	-1.21	-9.3	-59.0	.54	-.08	12.741	-1.999
21	-.18	-1.20	-8.8	-58.7	.57	-.09	13.418	-2.020
22	-.17	-1.21	-8.5	-59.1	.61	-.09	14.239	-2.044
23	-.17	-1.24	-8.2	-60.3	.65	-.09	15.289	-2.075
24	-.16	-1.26	-7.9	-61.5	.70	-.09	16.370	-2.098
25	-.16	-1.29	-7.6	-62.7	.74	-.09	17.482	-2.113
26	-.15	-1.31	-7.3	-64.0	.79	-.09	18.624	-2.121
27	-.16	-1.33	-7.9	-65.0	.84	-.10	19.729	-2.384
28	-.20	-1.34	-9.6	-65.6	.88	-.13	20.735	-3.033
29	-.23	-1.36	-11.3	-66.2	.92	-.16	21.757	-3.727
30	-.27	-1.37	-13.1	-66.8	.97	-.19	22.794	-4.464
31	-.30	-1.38	-14.8	-67.4	1.01	-.22	23.847	-5.244
32	-.36	-1.39	-17.5	-68.0	1.06	-.27	24.887	-6.401
33	-.44	-1.40	-21.4	-68.4	1.10	-.34	25.886	-8.094
34	-.52	-1.41	-25.3	-68.8	1.14	-.42	26.895	-9.884
35	-.59	-1.40	-29.0	-68.4	1.17	-.50	27.601	-11.694
36	-.67	-1.37	-32.5	-67.0	1.18	-.57	27.862	-13.507
37	-.73	-1.34	-35.7	-65.3	1.19	-.65	27.979	-15.299
38	-.79	-1.30	-38.7	-63.4	1.19	-.73	27.948	-17.070
39	-.78	-1.18	-38.0	-57.7	1.11	-.73	26.159	-17.236
40	-.70	-1.01	-34.3	-49.5	.98	-.68	23.105	-16.021
41	-.50	-.48	-24.4	-23.3	.48	-.50	11.262	-11.774

TABLE 7 -
FLOOR FORCE AND MOMENT LOADS - ENERGY CENTER II -- DENVER , COLORADO

DATA FOR WIND DIR. 120 REF. PRESS.-28.PSF GUST FACTOR-1.320 REF. AREA- 1000.SQ FT REF. HEIGHT- 482.FT

FLOOR	CFX	CFY	FORCE(X) (KIPS)	FORCE(Y) (KIPS)	CMX	CMY	MOM(X) (1000-FT-KIPS)	MOM(Y) (1000-FT-KIPS)
1	-.52	-.71	-25.6	-34.8	.02	-.01	.435	-.320
2	-.18	-1.16	-8.8	-56.7	.07	-.01	1.758	-.273
3	-.13	-.35	-6.4	-17.1	.03	-.01	.714	-.265
4	-.13	-.39	-6.4	-18.9	.04	-.01	.968	-.329
5	-.13	-.42	-6.5	-20.7	.05	-.02	1.255	-.393
6	-.13	-.46	-6.6	-22.5	.07	-.02	1.576	-.459
7	-.14	-.50	-6.6	-24.3	.08	-.02	1.931	-.525
8	-.14	-.48	-6.7	-23.5	.09	-.03	2.087	-.596
9	-.14	-.46	-6.8	-22.4	.09	-.03	2.204	-.669
10	-.14	-.44	-6.9	-21.4	.10	-.03	2.301	-.744
11	-.14	-.42	-7.0	-20.3	.10	-.03	2.378	-.821
12	-.15	-.39	-7.1	-19.2	.10	-.04	2.435	-.899
13	-.15	-.39	-7.1	-19.1	.11	-.04	2.590	-.965
14	-.14	-.39	-7.0	-19.2	.12	-.04	2.797	-1.024
15	-.14	-.40	-7.0	-19.4	.13	-.05	3.008	-1.083
16	-.21	-.55	-10.9	-26.8	.19	-.07	4.443	-1.662
17	-.31	-.54	-15.2	-26.4	.20	-.12	4.767	-2.745
18	-.13	-.40	-6.3	-19.7	.16	-.05	3.790	-1.224
19	-.18	-.56	-8.7	-27.3	.24	-.08	5.560	-1.765
20	-.17	-.56	-8.5	-27.3	.25	-.08	5.903	-1.837
21	-.17	-.56	-8.3	-27.3	.27	-.08	6.247	-1.905
22	-.17	-.57	-8.4	-27.8	.29	-.09	6.712	-2.016
23	-.18	-.59	-8.7	-29.0	.31	-.09	7.362	-2.194
24	-.18	-.62	-8.9	-30.2	.34	-.10	8.042	-2.379
25	-.19	-.64	-9.2	-31.4	.37	-.11	8.752	-2.572
26	-.20	-.67	-9.5	-32.6	.40	-.12	9.491	-2.772
27	-.22	-.69	-10.5	-33.8	.44	-.14	10.251	-3.187
28	-.25	-.71	-12.4	-34.9	.47	-.17	11.022	-3.923
29	-.29	-.74	-14.3	-36.0	.50	-.20	11.821	-4.707
30	-.33	-.76	-16.2	-37.1	.54	-.24	12.647	-5.539
31	-.37	-.78	-18.2	-38.2	.57	-.27	13.501	-6.419
32	-.42	-.80	-20.4	-39.0	.61	-.32	14.285	-7.483
33	-.48	-.81	-23.2	-39.3	.63	-.37	14.898	-8.795
34	-.53	-.81	-26.0	-39.7	.66	-.43	15.519	-10.177
35	-.61	-.82	-29.8	-39.9	.68	-.51	16.092	-12.040
36	-.71	-.82	-34.8	-39.9	.70	-.62	16.588	-14.476
37	-.80	-.81	-38.9	-39.4	.72	-.71	16.907	-16.660
38	-.86	-.79	-42.1	-38.7	.72	-.79	17.054	-18.574
39	-.87	-.76	-42.5	-36.9	.71	-.82	16.751	-19.298
40	-.86	-.74	-42.0	-36.3	.72	-.83	16.954	-19.595
41	.03	-.55	1.7	-27.1	.55	.03	13.049	.820

TABLE 7 -
FLOOR FORCE AND MOMENT LOADS - ENERGY CENTER II -- DENVER , COLORADO

DATA FOR WIND DIR. 135 REF. PRESS.-28.PSF GUST FACTOR-1.320 REF. AREA- 1000.SQ FT REF. HEIGHT- 482.FT

FLOOR	CFX	CFY	FORCE(X) (KIPS)	FORCE(Y) (KIPS)	CMX	CMY	MOM(X) (1000-FT-KIPS)	MOM(Y) (1000-FT-KIPS)
1	.02	.27	1.0	13.1	-.01	.00	-.163	.013
2	-.00	-.06	-.1	-2.8	.00	-.00	.088	-.003
3	-.05	.14	-2.3	6.7	-.01	-.00	-.280	-.095
4	-.05	.11	-2.4	5.5	-.01	-.01	-.281	-.125
5	-.05	.09	-2.6	4.3	-.01	-.01	-.260	-.158
6	-.06	.06	-2.8	3.1	-.01	-.01	-.216	-.194
7	-.06	.04	-2.9	1.9	-.01	-.01	-.149	-.233
8	-.06	.05	-3.0	2.7	-.01	-.01	-.237	-.269
9	-.06	.07	-3.1	3.6	-.02	-.01	-.358	-.306
10	-.07	.09	-3.2	4.6	-.02	-.01	-.497	-.345
11	-.07	.11	-3.3	5.6	-.03	-.02	-.654	-.386
12	-.07	.13	-3.4	6.6	-.04	-.02	-.829	-.428
13	-.07	.14	-3.4	7.0	-.04	-.02	-.948	-.461
14	-.07	.15	-3.4	7.2	-.04	-.02	-1.040	-.490
15	-.07	.15	-3.3	7.3	-.05	-.02	-1.136	-.518
16	-.09	.21	-4.6	10.3	-.07	-.03	-1.706	-.761
17	-.11	.21	-5.5	10.2	-.08	-.04	-1.840	-1.001
18	-.12	.14	-6.0	6.6	-.05	-.05	-1.271	-1.164
19	-.16	.20	-7.9	9.9	-.09	-.07	-2.015	-1.607
20	-.15	.22	-7.3	10.8	-.10	-.07	-2.326	-1.582
21	-.14	.24	-6.8	11.6	-.11	-.07	-2.658	-1.543
22	-.13	.25	-6.3	12.2	-.12	-.06	-2.941	-1.511
23	-.12	.25	-5.9	12.4	-.13	-.06	-3.138	-1.497
24	-.11	.26	-5.5	12.5	-.14	-.06	-3.339	-1.473
25	-.11	.26	-5.2	12.7	-.15	-.06	-3.545	-1.439
26	-.10	.26	-4.8	12.9	-.16	-.06	-3.755	-1.397
27	-.09	.26	-4.4	12.7	-.16	-.06	-3.866	-1.334
28	-.08	.25	-3.9	12.0	-.16	-.05	-3.789	-1.245
29	-.07	.23	-3.5	11.2	-.16	-.05	-3.693	-1.145
30	-.06	.21	-3.0	10.5	-.15	-.04	-3.578	-1.033
31	-.05	.20	-2.6	9.7	-.15	-.04	-3.444	-.910
32	-.05	.18	-2.3	9.0	-.14	-.04	-3.291	-.845
33	-.05	.17	-2.3	8.2	-.13	-.04	-3.114	-.875
34	-.05	.15	-2.3	7.5	-.12	-.04	-2.918	-.906
35	-.06	.15	-3.1	7.1	-.12	-.05	-2.868	-1.250
36	-.10	.15	-4.7	7.3	-.13	-.08	-3.040	-1.976
37	-.18	.16	-8.8	7.6	-.14	-.16	-3.251	-3.776
38	-.31	.16	-15.1	7.9	-.15	-.28	-3.499	-6.681
39	-.47	.14	-22.8	7.0	-.14	-.44	-3.188	-10.351
40	-.73	.09	-35.4	4.4		-.70	-2.074	-16.521
41	-.18	.07	-8.7	3.5		-.18	-1.672	-4.180

TABLE 7 -
FLOOR FORCE AND MOMENT LOADS - ENERGY CENTER II -- DENVER , COLORADO

DATA FOR WIND DIR. 150 REF. PRESS.-28.PSF GUST FACTOR-1.320 REF. AREA- 1000.SQ FT REF. HEIGHT- 402.FT

FLOOR	CFX	CFY	FORCE(X) (KIPS)	FORCE(Y) (KIPS)	CMX	CMY	MOM(X) (1000-FT-KIPS)	MOM(Y)
1	.06	.85	2.8	41.7	-.02	.00	-.521	.035
2	.06	.18	2.7	.8	-.01	.00	-.272	.085
3	.03	.32	1.3	15.6	-.03	.00	-.650	.055
4	.03	.30	1.3	14.7	-.03	.00	-.750	.067
5	.03	.28	1.3	13.7	-.04	.00	-.833	.079
6	.03	.26	1.3	12.8	-.04	.00	-.898	.090
7	.03	.24	1.3	11.9	-.04	.00	-.945	.101
8	.03	.27	1.3	13.0	-.05	.01	-1.158	.118
9	.03	.29	1.4	14.4	-.06	.01	-1.410	.137
10	.03	.32	1.5	15.7	-.07	.01	-1.687	.157
11	.03	.35	1.5	17.0	-.08	.01	-1.990	.179
12	.03	.38	1.6	18.3	-.10	.01	-2.316	.201
13	.03	.39	1.5	18.9	-.11	.01	-2.565	.210
14	.03	.39	1.5	19.1	-.12	.01	-2.775	.211
15	.03	.40	1.4	19.3	-.13	.01	-2.989	.211
16	.04	.55	1.8	26.8	-.19	.01	-4.453	.301
17	.05	.61	2.5	29.9	-.23	.02	-5.388	.453
18	.02	.43	.8	21.2	-.17	.01	-4.090	.154
19	.02	.61	.9	29.9	-.26	.01	-6.088	.191
20	.02	.62	.7	30.4	-.28	.01	-6.575	.162
21	.01	.63	.6	30.9	-.30	.01	-7.075	.127
22	.01	.65	.4	31.5	-.32	.00	-7.596	.085
23	.00	.66	.1	32.1	-.35	.00	-8.143	.033
24	-.00	.67	-.1	32.7	-.37	-.00	-8.705	-.025
25	-.01	.68	-.3	33.3	-.39	-.00	-9.282	-.088
26	-.01	.70	-.5	33.9	-.42	-.01	-9.874	-.157
27	-.02	.71	-.9	34.5	-.44	-.01	-10.468	-.261
28	-.03	.72	-1.3	34.9	-.47	-.02	-11.043	-.410
29	-.04	.73	-1.7	35.4	-.49	-.02	-11.629	-.570
30	-.04	.73	-2.2	35.8	-.52	-.03	-12.228	-.741
31	-.05	.74	-2.6	36.3	-.55	-.04	-12.837	-.922
32	-.07	.75	-3.3	36.8	-.57	-.05	-13.471	-1.203
33	-.09	.77	-4.3	37.4	-.60	-.07	-14.149	-1.621
34	-.11	.78	-5.3	37.9	-.63	-.09	-14.841	-2.064
35	-.15	.78	-7.3	38.3	-.66	-.12	-15.446	-2.933
36	-.21	.78	-10.4	38.3	-.68	-.18	-15.919	-4.317
37	-.28	.80	-13.9	38.9	-.71	-.25	-16.662	-5.951
38	-.36	.82	-17.8	40.1	-.75	-.33	-17.668	-7.832
39	-.43	.82	-21.0	39.9	-.77	-.41	-18.088	-9.532
40	-.52	.83	-25.4	40.6	-.80	-.50	-18.925	-11.866
41	-.23	.30	-11.1	14.5	-.30	-.23	-6.998	-5.351

TABLE 7 -
FLOOR FORCE AND MOMENT LOADS - ENERGY CENTER II -- DENVER , COLORADO

DATA FOR WIND DIR. 165 REF. PRESS.-28.PSF GUST FACTOR-1.320 REF. AREA- 1000.SQ FT REF. HEIGHT- 482.FT

FLOOR	CFX	CFY	FORCE(X) (KIPS)	FORCE(Y) (KIPS)	CMX	CMY	MOM(X) (1000-FT-KIPS)	MOM(Y) (1000-FT-KIPS)
1	-.10	1.16	-4.7	56.4	-.03	-.00	-.705	-.058
2	-.02	.45	-1.1	21.8	-.03	-.00	-.675	-.036
3	.04	.64	1.9	31.2	-.06	.00	-1.299	.081
4	.04	.59	2.0	28.9	-.06	.00	-1.479	.101
5	.04	.55	2.0	26.7	-.07	.01	-1.616	.121
6	.04	.50	2.0	24.5	-.07	.01	-1.712	.142
7	.04	.46	2.1	22.2	-.08	.01	-1.765	.164
8	.05	.48	2.4	23.4	-.09	.01	-2.076	.209
9	.05	.51	2.7	24.8	-.10	.01	-2.439	.263
10	.06	.54	3.0	26.3	-.12	.01	-2.829	.323
11	.07	.57	3.3	27.7	-.14	.02	-3.246	.389
12	.07	.60	3.6	29.2	-.16	.02	-3.691	.461
13	.08	.62	3.7	30.4	-.18	.02	-4.135	.502
14	.07	.65	3.7	31.6	-.19	.02	-4.589	.531
15	.07	.67	3.6	32.7	-.22	.02	-5.065	.559
16	.09	.95	4.6	46.3	-.33	.03	-7.680	.762
17	.07	.92	3.2	45.0	-.35	.02	-8.122	.583
18	.05	.72	2.6	35.2	-.29	.02	-6.795	.511
19	.07	1.06	3.6	51.5	-.45	.03	-10.493	.731
20	.07	1.12	3.5	54.6	-.50	.03	-11.791	.754
21	.07	1.18	3.4	57.6	-.56	.03	-13.164	.774
22	.07	1.23	3.2	59.9	-.61	.03	-14.452	.769
23	.06	1.26	2.9	61.4	-.66	.03	-15.567	.728
24	.05	1.29	2.6	62.8	-.71	.03	-16.719	.679
25	.05	1.32	2.2	64.3	-.76	.03	-17.906	.622
26	.04	1.35	1.9	65.7	-.81	.02	-19.130	.558
27	.03	1.38	1.6	67.1	-.87	.02	-20.370	.498
28	.03	1.40	1.4	68.3	-.92	.02	-21.595	.456
29	.03	1.43	1.2	69.5	-.97	.02	-22.851	.410
30	.02	1.45	1.0	70.8	-1.03	.02	-24.137	.358
31	.02	1.48	.9	72.0	-1.08	.01	-25.454	.301
32	-.01	1.50	-.5	73.2	-1.14	-.01	-26.817	-.179
33	-.07	1.53	-3.4	74.6	-1.20	-.06	-28.226	-1.303
34	-.13	1.55	-6.4	75.9	-1.26	-.11	-29.668	-2.502
35	-.20	1.58	-9.8	77.0	-1.32	-.17	-31.072	-3.961
36	-.28	1.60	-13.8	77.9	-1.38	-.24	-32.407	-5.722
37	-.36	1.60	-17.3	78.3	-1.43	-.32	-33.546	-7.433
38	-.42	1.60	-20.6	78.2	-1.47	-.39	-34.487	-9.090
39	-.46	1.50	-22.6	73.0	-1.41	-.44	-33.101	-10.257
40	-.51	1.32	-24.7	64.4	-1.28	-.49	-30.035	-11.520
41	-.38	.40	-18.5	19.4	-.40	-.38	-9.365	-8.905

TABLE 7 -
FLOOR FORCE AND MOMENT LOADS - ENERGY CENTER II -- DENVER , COLORADO

DATA FOR WIND DIR. 180 REF. PRESS.-28.PSF GUST FACTOR-1.320 REF. AREA- 1000.SQ FT REF. HEIGHT- 482.FT

FLOOR	CFX	CFY	FORCE(X) (KIPS)	FORCE(Y) (KIPS)	CMX	CMY	MOM(X) (1000-FT-KIPS)	MOM(Y) (1000-FT-KIPS)
1	-.02	1.23	-1.0	59.9	-.03	-.00	-.748	-.012
2	.01	.39	.3	18.8	-.02	.00	-.584	.008
3	.06	.79	2.8	38.4	-.07	.01	-1.601	.118
4	.06	.72	3.0	35.2	-.08	.01	-1.800	.156
5	.07	.66	3.3	32.0	-.08	.01	-1.940	.199
6	.07	.59	3.5	28.9	-.09	.01	-2.019	.247
7	.08	.53	3.8	25.7	-.09	.01	-2.039	.300
8	.09	.56	4.2	27.3	-.10	.02	-2.427	.369
9	.09	.60	4.6	29.4	-.12	.02	-2.890	.447
10	.10	.65	5.0	31.5	-.14	.02	-3.393	.533
11	.11	.69	5.3	33.6	-.17	.03	-3.934	.626
12	.12	.73	5.7	35.7	-.19	.03	-4.515	.727
13	.13	.77	6.1	37.5	-.22	.04	-5.093	.833
14	.13	.80	6.5	39.1	-.24	.04	-5.685	.946
15	.14	.84	6.9	40.8	-.27	.05	-6.307	1.066
16	.20	1.19	9.8	57.9	-.41	.07	-9.603	1.619
17	.21	1.12	10.3	54.9	-.42	.08	-9.897	1.857
18	.14	.84	6.8	40.8	-.33	.06	-7.876	1.303
19	.20	1.23	9.7	60.1	-.52	.08	-12.233	1.979
20	.21	1.31	10.1	64.0	-.59	.09	-13.829	2.185
21	.22	1.39	10.5	67.9	-.66	.10	-15.522	2.400
22	.22	1.45	10.8	70.7	-.72	.11	-17.038	2.605
23	.23	1.47	11.0	71.9	-.77	.12	-18.225	2.791
24	.23	1.50	11.2	73.1	-.83	.13	-19.442	2.981
25	.23	1.52	11.4	74.3	-.88	.13	-20.689	3.177
26	.24	1.55	11.6	75.5	-.93	.14	-21.966	3.377
27	.24	1.57	11.6	76.4	-.99	.15	-23.183	3.525
28	.23	1.57	11.4	76.7	-1.03	.15	-24.259	3.591
29	.23	1.58	11.1	77.1	-1.08	.16	-25.344	3.650
30	.22	1.59	10.9	77.5	-1.12	.16	-26.439	3.702
31	.22	1.60	10.6	77.9	-1.17	.16	-27.543	3.749
32	.19	1.60	9.4	78.3	-1.22	.15	-28.651	3.436
33	.14	1.61	6.8	78.5	-1.26	.11	-29.739	2.576
34	.09	1.62	4.2	78.8	-1.31	.07	-30.834	1.652
35	.01	1.61	.3	78.5	-1.35	.01	-31.680	.128
36	-.10	1.58	-5.1	77.3	-1.37	-.09	-32.151	-2.114
37	-.20	1.58	-9.5	76.9	-1.40	-.17	-32.965	-4.091
38	-.27	1.59	-13.1	77.3	-1.45	-.25	-34.112	-5.782
39	-.33	1.45	-15.9	71.0	-1.37	-.31	-32.199	-7.198
40	-.39	1.19	-19.0	58.2	-1.15	-.38	-27.148	-8.858
41	-.36	-.36	-17.8	-17.6	.36	-.36	8.512	-8.564

TABLE 7 -
FLOOR FORCE AND MOMENT LOADS - ENERGY CENTER II -- DENVER , COLORADO

DATA FOR WIND DIR. 195 REF. PRESS.-28.PSF GUST FACTOR-1.320 REF. AREA- 1000.SQ FT REF. HEIGHT- 482.FT

FLOOR	CFX	CFY	FORCE(X) (KIPS)	FORCE(Y) (KIPS)	CMX	CMY	MOM(X) (1000-FT-KIPS)	MOM(Y) (1000-FT-KIPS)
1	-.21	1.30	-10.5	63.3	-.03	-.01	-.791	-.131
2	-.02	.25	-1.1	12.4	-.02	-.00	-.385	-.036
3	.01	.69	.4	33.6	-.06	.00	-1.402	.015
4	.01	.64	.7	31.0	-.07	.00	-1.584	.034
5	.02	.58	1.0	28.4	-.07	.00	-1.717	.061
6	.03	.53	1.3	25.7	-.08	.00	-1.801	.093
7	.03	.47	1.7	23.1	-.08	.01	-1.835	.133
8	.04	.50	2.1	24.5	-.09	.01	-2.172	.185
9	.05	.54	2.5	26.2	-.11	.01	-2.570	.245
10	.06	.57	2.9	27.9	-.13	.01	-2.999	.314
11	.07	.61	3.3	29.6	-.15	.02	-3.461	.390
12	.08	.64	3.7	31.3	-.17	.02	-3.954	.474
13	.08	.67	4.1	32.5	-.19	.02	-4.423	.556
14	.09	.69	4.4	33.7	-.21	.03	-4.890	.640
15	.10	.71	4.7	34.8	-.23	.03	-5.378	.730
16	.14	1.01	6.8	49.2	-.35	.05	-8.169	1.121
17	.15	1.08	7.2	52.8	-.40	.05	-9.518	1.291
18	.12	.71	5.9	34.5	-.28	.05	-6.657	1.133
19	.18	1.02	8.8	49.8	-.43	.08	-10.130	1.799
20	.20	1.06	9.6	51.9	-.48	.09	-11.208	2.079
21	.21	1.11	10.4	54.0	-.52	.10	-12.337	2.379
22	.22	1.14	11.0	55.9	-.57	.11	-13.469	2.643
23	.23	1.18	11.2	57.5	-.62	.12	-14.576	2.846
24	.24	1.21	11.5	59.1	-.67	.13	-15.724	3.055
25	.24	1.24	11.7	60.7	-.72	.14	-16.912	3.271
26	.25	1.28	12.0	62.3	-.77	.15	-18.140	3.494
27	.25	1.31	12.3	63.8	-.82	.16	-19.379	3.737
28	.26	1.34	12.7	65.2	-.88	.17	-20.602	4.006
29	.27	1.36	13.0	66.5	-.93	.18	-21.858	4.284
30	.27	1.39	13.4	67.9	-.98	.19	-23.149	4.571
31	.28	1.42	13.8	69.2	-1.04	.21	-24.472	4.867
32	.28	1.44	13.6	70.4	-1.10	.21	-25.784	4.976
33	.26	1.46	12.7	71.4	-1.15	.20	-27.017	4.802
34	.24	1.48	11.8	72.3	-1.20	.20	-28.273	4.605
35	.21	1.50	10.3	73.1	-1.25	.18	-29.486	4.144
36	.17	1.51	8.1	73.6	-1.30	.14	-30.628	3.361
37	.12	1.52	5.7	73.9	-1.35	.10	-31.692	2.439
38	.06	1.52	3.1	74.1	-1.39	.06	-32.683	1.370
39	.01	1.37	.6	66.7	-1.29	.01	-30.278	.261
40	-.04	1.05	-2.2	51.2	-1.02	-.04	-23.911	-1.012
41	-.08	-.70	-3.9	-34.3	.70	-.08	16.530	-1.872

TABLE 7 -
FLOOR FORCE AND MOMENT LOADS - ENERGY CENTER II -- DENVER , COLORADO

DATA FOR WIND DIR. 210 REF. PRESS.-28.PSF GUST FACTOR-1.320 REF. AREA- 1000.SQ FT REF. HEIGHT- 482.FT

FLOOR	CFX	CFY	FORCE(X) (KIPS)	FORCE(Y) (KIPS)	CMX	CMY	MOM(X) (1000-FT-KIPS)	MOM(Y)
1	-.31	1.25	-15.0	61.0	-.03	-.01	-.763	-.187
2	-.08	.20	-4.1	9.6	-.01	-.01	-.299	-.126
3	-.04	.65	-1.9	31.9	-.06	-.00	-1.331	-.078
4	-.03	.61	-1.6	29.8	-.06	-.00	-1.525	-.082
5	-.03	.57	-1.3	27.8	-.07	-.00	-1.681	-.076
6	-.02	.53	-.9	25.7	-.08	-.00	-1.797	-.065
7	-.01	.48	-.6	23.6	-.08	-.00	-1.875	-.047
8	-.01	.51	-.4	24.8	-.09	-.00	-2.198	-.032
9	-.00	.54	-.1	26.2	-.11	-.00	-2.572	-.013
10	.00	.57	.1	27.6	-.13	.00	-2.972	.010
11	.01	.60	.3	29.0	-.14	.00	-3.399	.037
12	.01	.62	.5	30.5	-.16	.00	-3.853	.068
13	.02	.64	.7	31.1	-.18	.00	-4.231	.102
14	.02	.65	1.0	31.5	-.19	.01	-4.575	.138
15	.02	.65	1.2	31.8	-.21	.01	-4.925	.179
16	.04	.91	1.9	44.2	-.31	.01	-7.339	.323
17	.06	1.02	3.0	50.0	-.38	.02	-9.020	.541
18	.07	.68	3.3	33.0	-.27	.03	-6.358	.635
19	.10	.96	4.9	47.0	-.41	.04	-9.564	.998
20	.11	.99	5.3	48.3	-.44	.05	-10.448	1.140
21	.12	1.02	5.7	49.7	-.48	.05	-11.367	1.292
22	.13	1.05	6.4	51.2	-.52	.07	-12.355	1.542
23	.16	1.09	7.6	53.0	-.57	.08	-13.432	1.933
24	.18	1.12	8.8	54.7	-.62	.10	-14.553	2.355
25	.21	1.16	10.1	56.4	-.67	.12	-15.716	2.808
26	.23	1.19	11.3	58.1	-.72	.14	-16.923	3.291
27	.25	1.23	12.1	60.1	-.78	.16	-18.239	3.688
28	.26	1.28	12.5	62.4	-.84	.17	-19.722	3.940
29	.26	1.33	12.8	64.7	-.90	.18	-21.262	4.200
30	.27	1.37	13.1	67.0	-.97	.19	-22.860	4.468
31	.28	1.42	13.4	69.3	-1.04	.20	-24.516	4.744
32	.28	1.47	13.5	71.8	-1.12	.21	-26.294	4.932
33	.27	1.53	13.2	74.7	-1.20	.21	-28.271	4.986
34	.26	1.59	12.9	77.5	-1.29	.21	-30.320	5.033
35	.25	1.64	12.2	80.2	-1.38	.21	-32.375	4.938
36	.23	1.70	11.2	82.7	-1.46	.20	-34.414	4.673
37	.20	1.71	9.7	83.7	-1.52	.18	-35.860	4.165
38	.16	1.71	7.7	83.2	-1.56	.14	-36.709	3.405
39	.13	1.55	6.2	75.8	-1.46	.12	-34.400	2.800
40	.12	1.27	5.6	62.0	-1.23	.11	-28.910	2.621
41	.00	-.81	.1	-39.4	.81	.00	18.995	.070

TABLE 7 -
FLOOR FORCE AND MOMENT LOADS - ENERGY CENTER II -- DENVER , COLORADO

DATA FOR WIND DIR. 225 REF. PRESS.-28.PSF GUST FACTOR-1.320 REF. AREA- 1000.SQ FT REF. HEIGHT- 482.FT

FLOOR	CFX	CFY	FORCE(X) (KIPS)	FORCE(Y) (KIPS)	CMX	CMY	MOM(X) (1000-FT-KIPS)	MOM(Y) (1000-FT-KIPS)
1	-.35	.95	-17.3	46.5	-.02	-.01	-.581	-.216
2	-.09	.08	-4.5	3.8	-.00	-.01	-.117	-.138
3	-.06	.57	-2.8	27.8	-.05	-.00	-1.158	-.116
4	-.05	.54	-2.5	26.2	-.06	-.01	-1.342	-.130
5	-.05	.51	-2.3	24.7	-.06	-.01	-1.497	-.138
6	-.04	.48	-2.0	23.2	-.07	-.01	-1.623	-.141
7	-.04	.44	-1.8	21.7	-.07	-.01	-1.720	-.139
8	-.03	.47	-1.5	23.0	-.09	-.01	-2.042	-.133
9	-.03	.50	-1.3	24.6	-.10	-.01	-2.413	-.123
10	-.02	.54	-1.0	26.1	-.12	-.00	-2.815	-.108
11	-.02	.57	-.7	27.7	-.14	-.00	-3.245	-.088
12	-.01	.60	-.5	29.3	-.16	-.00	-3.706	-.063
13	-.01	.62	-.4	30.0	-.17	-.00	-4.079	-.056
14	-.01	.62	-.4	30.4	-.19	-.00	-4.412	-.056
15	-.01	.63	-.4	30.7	-.20	-.00	-4.751	-.055
16	-.01	.88	-.3	42.8	-.30	-.00	-7.101	-.055
17	.01	1.04	.5	50.7	-.39	.00	-9.139	.089
18	.02	.69	.8	33.9	-.28	.01	-6.530	.149
19	.03	.96	1.3	46.8	-.40	.01	-9.522	.259
20	.03	.95	1.5	46.5	-.43	.01	-10.042	.326
21	.04	.95	1.7	46.2	-.45	.02	-10.553	.399
22	.04	.95	2.1	46.2	-.47	.02	-11.138	.513
23	.06	.96	2.7	46.7	-.50	.03	-11.846	.693
24	.07	.97	3.3	47.2	-.53	.04	-12.567	.887
25	.08	.98	3.9	47.7	-.57	.05	-13.301	1.096
26	.09	.99	4.5	48.3	-.60	.06	-14.047	1.321
27	.10	1.00	5.1	49.0	-.63	.07	-14.877	1.540
28	.11	1.03	5.5	50.1	-.67	.07	-15.847	1.745
29	.12	1.05	6.0	51.3	-.72	.08	-16.845	1.961
30	.13	1.07	6.4	52.4	-.76	.09	-17.871	2.188
31	.14	1.10	6.9	53.5	-.80	.10	-18.926	2.426
32	.14	1.13	6.6	55.3	-.86	.10	-20.238	2.432
33	.11	1.20	5.5	58.3	-.94	.09	-22.091	2.087
34	.09	1.26	4.4	61.4	-1.02	.07	-24.021	1.714
35	.08	1.34	3.7	65.5	-1.12	.06	-26.430	1.495
36	.07	1.45	3.5	70.9	-1.25	.06	-29.498	1.470
37	.06	1.54	3.1	75.0	-1.37	.06	-32.154	1.321
38	.05	1.60	2.3	78.0	-1.46	.04	-34.404	1.035
39	.05	1.51	2.3	73.5	-1.42	.04	-33.322	1.029
40	.07	1.26	3.4	61.7	-1.22	.07	-28.775	1.591
41	.03	-.93	1.5	-45.6	.93	.03	21.996	.743

TABLE 7 -
FLOOR FORCE AND MOMENT LOADS - ENERGY CENTER II -- DENVER , COLORADO

DATA FOR WIND DIR. 240 REF. PRESS.-28.PSF GUST FACTOR-1.320 REF. AREA-`1000.SQ FT REF. HEIGHT- 482.FT

FLOOR	CFX	CFY	FORCE(X) (KIPS)	FORCE(Y) (KIPS)	CMX	CMY	MOM(X) (1000-FT-KIPS)	MOM(Y) (1000-FT-KIPS)
1	.08	1.18	3.8	57.6	-.03	.00	-.719	.047
2	.04	.24	1.8	11.7	-.02	.00	-.362	.056
3	-.02	.56	-1.0	27.5	-.05	-.00	-1.149	-.043
4	-.02	.54	-1.0	26.1	-.06	-.00	-1.336	-.050
5	-.02	.51	-.9	24.7	-.06	-.00	-1.496	-.053
6	-.02	.48	-.8	23.3	-.07	-.00	-1.630	-.054
7	-.01	.45	-.7	21.9	-.07	-.00	-1.737	-.052
8	-.01	.47	-.5	22.8	-.09	-.00	-2.029	-.045
9	-.01	.49	-.3	24.0	-.10	-.00	-2.360	-.034
10	-.00	.52	-.2	25.2	-.12	-.00	-2.714	-.020
11	-.00	.54	-.0	26.4	-.13	-.00	-3.090	-.003
12	.00	.57	.1	27.6	-.15	.00	-3.488	.017
13	.01	.57	.2	27.6	-.16	.00	-3.752	.034
14	.01	.56	.3	27.1	-.17	.00	-3.945	.051
15	.01	.55	.5	26.7	-.18	.00	-4.129	.070
16	.01	.75	.5	36.4	-.26	.00	-6.038	.085
17	-.02	1.01	-1.0	49.5	-.38	-.01	-8.924	-.186
18	.04	.64	2.0	31.1	-.25	.02	-5.998	.382
19	.06	.86	3.0	42.2	-.37	.03	-8.590	.612
20	.07	.84	3.3	41.0	-.38	.03	-8.864	.714
21	.07	.82	3.6	39.8	-.39	.03	-9.109	.822
22	.09	.80	4.3	38.9	-.40	.04	-9.386	1.048
23	.12	.79	5.7	38.4	-.41	.06	-9.733	1.445
24	.14	.78	7.0	37.8	-.43	.08	-10.066	1.875
25	.17	.76	8.4	37.3	-.44	.10	-10.385	2.340
26	.20	.75	9.7	36.7	-.45	.12	-10.691	2.838
27	.24	.75	11.5	36.7	-.47	.15	-11.150	3.481
28	.28	.77	13.7	37.7	-.51	.18	-11.912	4.327
29	.33	.79	15.9	38.6	-.54	.22	-12.699	5.228
30	.37	.81	18.1	39.6	-.57	.26	-13.510	6.184
31	.42	.83	20.4	40.6	-.61	.31	-14.344	7.196
32	.45	.88	22.0	43.0	-.67	.34	-15.726	8.068
33	.47	.99	23.0	48.2	-.78	.37	-18.265	8.705
34	.49	1.10	23.9	53.5	-.89	.40	-20.936	9.366
35	.50	1.22	24.5	59.6	-1.02	.42	-24.073	9.897
36	.51	1.37	24.7	66.9	-1.18	.44	-27.829	10.260
37	.49	1.50	24.1	73.0	-1.33	.44	-31.305	10.345
38	.47	1.60	23.0	78.2	-1.47	.43	-34.501	10.137
39	.45	1.59	22.1	77.4	-1.49	.43	-35.111	10.030
40	.48	1.49	23.4	72.6	-1.44	.46	-33.895	10.896
41	.20	-.25	9.8	-12.3	.25	.20	5.920	4.704

TABLE 7 -
FLOOR FORCE AND MOMENT LOADS - ENERGY CENTER II -- DENVER , COLORADO

DATA FOR WIND DIR. 255 REF. PRESS.-28.PSF GUST FACTOR-1.320 REF. AREA- 1000.SQ FT REF. HEIGHT- 482.FT

FLOOR	CFX	CFY	FORCE(X) (KIPS)	FORCE(Y) (KIPS)	CMX	CMY	MOM(X) (1000-FT-KIPS)	MOM(Y) (1000-FT-KIPS)
1	-.09	.95	-4.2	46.3	-.02	-.00	-.579	-.053
2	-.02	.24	-.9	11.6	-.02	.00	-.358	.027
3	-.02	.49	-.8	24.1	-.04	-.00	-1.005	-.035
4	-.02	.46	-.9	22.5	-.05	-.00	-1.149	-.045
5	-.02	.43	-.9	20.8	-.05	-.00	-1.262	-.053
6	-.02	.39	-.9	19.2	-.06	-.00	-1.344	-.061
7	-.02	.36	-.9	17.6	-.06	-.00	-1.395	-.068
8	-.01	.37	-.4	18.2	-.07	-.00	-1.615	-.039
9	.00	.39	.0	19.0	-.08	.00	-1.867	.003
10	.01	.41	.5	19.8	-.09	.00	-2.134	.054
11	.02	.42	1.0	20.6	-.10	.00	-2.417	.114
12	.03	.44	1.4	21.5	-.12	.01	-2.715	.183
13	.04	.43	2.1	20.9	-.12	.01	-2.844	.292
14	.06	.41	2.9	19.8	-.12	.02	-2.876	.426
15	.08	.38	3.7	18.7	-.12	.02	-2.886	.574
16	.12	.49	6.1	23.8	-.17	.04	-3.944	1.008
17	.15	.49	7.1	24.0	-.18	.05	-4.339	1.282
18	.11	.39	5.6	19.1	-.16	.05	-3.692	1.077
19	.20	1.19	9.6	58.2	-.50	.08	-11.850	1.947
20	.24	1.95	11.7	95.0	-.87	.11	-20.521	2.521
21	.28	2.70	13.8	131.7	-1.28	.13	-30.111	3.147
22	.32	2.90	15.6	141.7	-1.45	.16	-34.171	3.766
23	.35	2.36	17.1	115.1	-1.24	.18	-29.198	4.349
24	.38	1.81	18.7	88.5	-1.00	.21	-23.561	4.970
25	.41	1.27	20.2	61.9	-.73	.24	-17.259	5.629
26	.45	.72	21.7	35.4	-.44	.27	-10.292	6.327
27	.48	.39	23.6	19.0	-.25	.30	-5.767	7.159
28	.53	.42	25.9	20.4	-.27	.35	-6.454	8.176
29	.58	.45	28.1	21.8	-.30	.39	-7.176	9.249
30	.62	.48	30.4	23.3	-.34	.44	-7.934	10.380
31	.67	.51	32.7	24.7	-.37	.49	-8.728	11.568
32	.71	.58	34.5	28.1	-.44	.54	-10.288	12.639
33	.73	.73	35.7	35.5	-.57	.57	-13.444	13.503
34	.75	.88	36.8	42.9	-.71	.61	-16.784	14.395
35	.77	1.03	37.8	50.3	-.86	.65	-20.284	15.252
36	.79	1.18	38.6	57.5	-1.02	.68	-23.939	16.057
37	.79	1.30	38.5	63.4	-1.16	.70	-27.194	16.507
38	.77	1.40	37.6	68.1	-1.28	.70	-30.061	16.578
39	.72	1.40	35.3	68.1	-1.31	.68	-30.875	15.990
40	.68	1.34	33.2	65.4	-1.30	.66	-30.495	15.488
41	.43	-.43	20.8	-21.2	.43	.43	10.220	10.053

TABLE 7 -
FLOOR FORCE AND MOMENT LOADS - ENERGY CENTER II -- DENVER , COLORADO

DATA FOR WIND DIR. 270 REF. PRESS.-28.PSF GUST FACTOR-1.320 REF. AREA- 1000.SQ FT REF. HEIGHT- 482.FT

FLOOR	CFX	CFY	FORCE(X) (KIPS)	FORCE(Y) (KIPS)	CMX	CMY	MOM(X) (1000-FT-KIPS)	MOM(Y)
1	.40	.75	19.5	36.8	-.02	.01	-.460	.244
2	.20	.32	9.7	15.6	-.02	.01	-.482	.300
3	.14	.39	6.8	18.8	-.03	.01	-.785	.282
4	.14	.35	6.8	17.1	-.04	.01	-.874	.347
5	.14	.31	6.8	15.4	-.04	.02	-.930	.414
6	.14	.28	6.9	13.6	-.04	.02	-.953	.482
7	.14	.24	6.9	11.9	-.04	.02	-.944	.551
8	.15	.27	7.4	13.1	-.05	.03	-1.167	.653
9	.16	.30	7.8	14.7	-.06	.03	-1.441	.767
10	.17	.33	8.3	16.2	-.07	.04	-1.743	.890
11	.18	.36	8.7	17.7	-.09	.04	-2.074	1.021
12	.19	.39	9.2	19.2	-.10	.05	-2.434	1.161
13	.20	.38	9.6	18.7	-.11	.06	-2.535	1.303
14	.20	.35	10.0	17.1	-.11	.06	-2.490	1.452
15	.21	.32	10.4	15.6	-.10	.07	-2.416	1.608
16	.31	.39	15.2	18.9	-.13	.11	-3.139	2.527
17	.44	.34	21.3	16.5	-.13	.16	-2.984	3.845
18	.23	.43	11.3	21.2	-.17	.09	-4.083	2.171
19	.36	.56	17.5	27.5	-.24	.15	-5.592	3.564
20	.40	.52	19.7	25.2	-.23	.18	-5.448	4.253
21	.45	.47	21.9	23.0	-.22	.21	-5.247	4.996
22	.50	.43	24.3	21.2	-.22	.25	-5.114	5.851
23	.55	.41	27.0	20.2	-.22	.29	-5.117	6.849
24	.61	.39	29.7	19.1	-.22	.34	-5.093	7.915
25	.67	.37	32.5	18.1	-.21	.38	-5.043	9.049
26	.72	.35	35.2	17.1	-.21	.44	-4.968	10.252
27	.77	.36	37.4	17.4	-.22	.48	-5.295	11.362
28	.80	.41	39.0	20.2	-.27	.52	-6.372	12.315
29	.83	.47	40.5	22.9	-.32	.57	-7.517	13.308
30	.86	.52	42.0	25.6	-.37	.61	-8.730	14.338
31	.89	.58	43.6	28.3	-.43	.65	-10.011	15.407
32	.91	.67	44.5	32.6	-.51	.69	-11.943	16.299
33	.92	.82	44.7	40.1	-.65	.72	-15.182	16.906
34	.92	.98	44.8	47.6	-.79	.74	-18.607	17.517
35	.92	1.12	44.9	54.9	-.94	.77	-22.138	18.110
36	.92	1.27	44.9	61.9	-1.09	.79	-25.743	18.681
37	.91	1.37	44.2	67.1	-1.22	.80	-28.742	18.939
38	.88	1.45	42.8	70.6	-1.32	.80	-31.127	18.875
39	.82	1.40	40.2	68.4	-1.32	.77	-31.047	18.237
40	.79	1.27	38.6	62.1	-1.23	.77	-28.960	18.005
41	.50	.46	24.2	22.5	-.46	.50	-10.854	11.689

TABLE 7 -
FLOOR FORCE AND MOMENT LOADS - ENERGY CENTER II -- DENVER , COLORADO

DATA FOR WIND DIR. 285 REF. PRESS.-28.PSF GUST FACTOR-1.320 REF. AREA- 1000.SQ FT REF. HEIGHT- 482.FT

FLOOR	CFX	CFY	FORCE(X) (KIPS)	FORCE(Y) (KIPS)	CMX	CMY	MOM(X) (1000-FT-KIPS)	MOM(Y)
1	.33	.42	16.3	20.3	-.01	.01	-.253	.204
2	.12	.17	6.0	8.2	-.01	.01	-.254	.186
3	.12	.15	6.0	7.3	-.01	.01	-.303	.250
4	.12	.12	6.0	5.9	-.01	.01	-.300	.306
5	.12	.09	6.0	4.5	-.01	.02	-.271	.364
6	.12	.06	6.0	3.1	-.01	.02	-.215	.423
7	.12	.03	6.1	1.7	-.01	.02	-.133	.482
8	.13	.06	6.5	2.7	-.01	.02	-.240	.575
9	.14	.08	6.9	3.9	-.02	.03	-.388	.681
10	.15	.11	7.4	5.2	-.02	.03	-.559	.796
11	.16	.13	7.8	6.4	-.03	.04	-.754	.919
12	.17	.16	8.3	7.7	-.04	.04	-.972	1.051
13	.18	.16	8.6	7.6	-.04	.05	-1.033	1.170
14	.18	.14	8.9	6.9	-.04	.05	-1.006	1.288
15	.19	.13	9.1	6.2	-.04	.06	-.966	1.410
16	.27	.15	13.1	7.5	-.05	.09	-1.244	2.174
17	.36	.15	17.5	7.3	-.06	.13	-1.323	3.155
18	.21	.25	10.0	12.0	-.10	.08	-2.308	1.933
19	.31	.31	14.9	15.3	-.13	.13	-3.112	3.038
20	.33	.28	16.1	13.7	-.13	.15	-2.967	3.476
21	.35	.25	17.2	12.2	-.12	.17	-2.783	3.943
22	.38	.23	18.6	11.2	-.12	.19	-2.710	4.478
23	.41	.23	20.1	11.2	-.12	.22	-2.833	5.098
24	.44	.23	21.6	11.1	-.13	.24	-2.954	5.756
25	.47	.23	23.2	11.0	-.13	.27	-3.073	6.453
26	.51	.22	24.7	11.0	-.14	.31	-3.190	7.188
27	.53	.24	25.7	11.5	-.15	.33	-3.490	7.791
28	.53	.27	25.9	13.0	-.17	.35	-4.118	8.184
29	.54	.30	26.1	14.6	-.20	.36	-4.784	8.582
30	.54	.33	26.3	16.1	-.23	.38	-5.489	8.987
31	.54	.36	26.6	17.6	-.26	.40	-6.233	9.397
32	.55	.40	26.8	19.4	-.30	.42	-7.102	9.822
33	.56	.44	27.1	21.7	-.35	.44	-8.199	10.267
34	.56	.49	27.4	23.9	-.40	.46	-9.351	10.718
35	.56	.53	27.3	26.0	-.45	.47	-10.513	11.003
36	.55	.57	26.6	28.0	-.50	.47	-11.666	11.081
37	.54	.60	26.4	29.1	-.53	.48	-12.455	11.298
38	.54	.60	26.4	29.2	-.55	.50	-12.882	11.652
39	.52	.58	25.4	28.5	-.55	.49	-12.912	11.502
40	.50	.58	24.4	28.4	-.56	.48	-13.264	11.394
41	.12	.30	6.0	14.7	-.30	.12	-7.070	2.907

TABLE 7 -
FLOOR FORCE AND MOMENT LOADS - ENERGY CENTER II -- DENVER , COLORADO

DATA FOR WIND DIR. 300 REF. PRESS.-28.PSF GUST FACTOR-1.320 REF. AREA- 1000.SQ FT REF. HEIGHT- 402.FT

FLOOR	CFX	CFY	FORCE(X) (KIPS)	FORCE(Y) (KIPS)	CMX	CMY	MOM(X) (1000-FT-KIPS)	MOM(Y) (1000-FT-KIPS)
1	.07	-.76	3.4	-37.2	.02	.00	.466	.042
2	.04	-.36	1.8	-17.5	.02	.00	.543	.057
3	.19	.14	9.4	6.8	-.01	.02	-.284	.394
4	.19	.09	9.2	4.4	-.01	.02	-.224	.469
5	.18	.04	8.8	1.9	-.01	.02	-.118	.535
6	.17	-.01	8.5	-.5	.00	.03	.034	.595
7	.17	-.06	8.2	-2.9	.01	.03	.232	.649
8	.17	-.03	8.5	-1.6	.01	.03	.141	.757
9	.18	.00	8.9	.1	-.00	.04	-.009	.878
10	.19	.04	9.4	1.8	-.01	.04	-.191	1.008
11	.20	.07	9.8	3.5	-.02	.05	-.405	1.146
12	.21	.11	10.2	5.1	-.03	.05	-.650	1.292
13	.22	.11	10.9	5.4	-.03	.06	-.734	1.480
14	.24	.10	11.7	5.0	-.03	.07	-.733	1.694
15	.25	.10	12.4	4.7	-.03	.08	-.725	1.922
16	.36	.12	17.4	5.9	-.04	.12	-.955	2.896
17	.34	.08	16.7	3.7	-.03	.13	-.669	3.005
18	.22	.18	10.9	9.0	-.07	.09	-1.731	2.108
19	.32	.25	15.4	12.1	-.10	.13	-2.454	3.144
20	.32	.24	15.7	11.6	-.11	.14	-2.501	3.402
21	.33	.23	16.0	11.1	-.11	.16	-2.536	3.668
22	.34	.22	16.6	10.8	-.11	.17	-2.594	3.991
23	.36	.22	17.4	10.6	-.11	.19	-2.698	4.402
24	.37	.22	18.2	10.5	-.12	.21	-2.798	4.834
25	.39	.21	19.0	10.4	-.12	.22	-2.895	5.285
26	.41	.21	19.8	10.3	-.13	.24	-2.989	5.757
27	.42	.21	20.5	10.3	-.13	.26	-3.141	6.234
28	.44	.22	21.2	10.7	-.14	.29	-3.394	6.716
29	.45	.23	22.0	11.1	-.16	.31	-3.657	7.215
30	.46	.24	22.7	11.5	-.17	.33	-3.930	7.733
31	.48	.24	23.4	11.9	-.18	.35	-4.212	8.268
32	.49	.25	23.9	12.2	-.19	.37	-4.469	8.741
33	.49	.25	24.1	12.3	-.20	.39	-4.654	9.112
34	.50	.25	24.3	12.4	-.21	.40	-4.842	9.488
35	.51	.26	24.9	12.6	-.22	.43	-5.089	10.034
36	.53	.27	25.9	13.0	-.23	.46	-5.419	10.787
37	.54	.28	26.3	13.8	-.25	.48	-5.911	11.274
38	.53	.31	26.0	14.9	-.28	.49	-6.574	11.480
39	.50	.33	24.3	16.3	-.31	.47	-7.393	11.009
40	.45	.40	21.9	19.6	-.39	.43	-9.163	10.217
41	-.12	.33	-6.0	16.3	-.33	-.12	-7.865	-2.880

TABLE 7 -
FLOOR FORCE AND MOMENT LOADS - ENERGY CENTER II -- DENVER , COLORADO

DATA FOR WIND DIR. 315 REF. PRESS.-28.PSF GUST FACTOR-1.320 REF. AREA- 1000.SQ FT REF. HEIGHT- 482.FT

FLOOR	CFX	CFY	FORCE(X) (KIPS)	FORCE(Y) (KIPS)	CMX	CMY	MOM(X) (1000-FT-KIPS)	MOM(Y)
1	.10	-.11	4.7	5.6	-.00	.00	-.070	.058
2	.01	-.16	.4	-8.0	-.01	.00	.249	.012
3	.21	.07	10.3	3.5	-.01	.02	-.147	.429
4	.20	.04	9.8	2.0	-.00	.02	-.103	.501
5	.19	.01	9.2	.5	-.00	.02	-.031	.557
6	.18	-.02	8.6	-1.0	.00	.03	.070	.602
7	.16	-.05	8.0	-2.5	.01	.03	.199	.635
8	.17	-.05	8.1	-2.4	.01	.03	.210	.723
9	.17	-.04	8.4	-2.1	.01	.03	.204	.821
10	.18	-.04	8.6	-1.8	.01	.04	.193	.923
11	.18	-.03	8.8	-1.5	.01	.04	.176	1.030
12	.18	-.02	9.0	-1.2	.01	.05	.154	1.141
13	.20	-.03	10.0	-1.4	.01	.06	.192	1.358
14	.23	-.04	11.2	-1.8	.01	.07	.266	1.633
15	.26	-.05	12.5	-2.2	.01	.08	.347	1.931
16	.36	-.08	17.4	-4.0	.03	.12	.659	2.880
17	.23	-.20	11.0	-9.6	.07	.08	1.725	1.992
18	.16	.03	7.7	1.3	-.01	.06	-.244	1.481
19	.23	.06	11.4	2.8	-.02	.10	-.577	2.317
20	.25	.08	12.2	4.1	-.04	.11	-.883	2.638
21	.27	.11	13.0	5.3	-.05	.13	-1.220	2.981
22	.29	.12	13.9	5.9	-.06	.14	-1.429	3.363
23	.31	.11	15.0	5.6	-.06	.16	-1.418	3.803
24	.33	.11	16.0	5.3	-.06	.18	-1.400	4.270
25	.35	.10	17.1	4.9	-.06	.20	-1.373	4.763
26	.37	.09	18.1	4.6	-.06	.22	-1.338	5.282
27	.39	.09	19.2	4.3	-.06	.25	-1.319	5.830
28	.42	.09	20.3	4.2	-.06	.27	-1.327	6.412
29	.44	.08	21.4	4.1	-.06	.30	-1.332	7.021
30	.46	.08	22.4	3.9	-.06	.33	-1.334	7.657
31	.48	.08	23.5	3.8	-.06	.35	-1.332	8.320
32	.50	.08	24.6	3.7	-.06	.38	-1.358	9.002
33	.53	.08	25.6	3.8	-.06	.41	-1.444	9.707
34	.55	.08	26.7	3.9	-.07	.44	-1.532	10.437
35	.58	.09	28.2	4.3	-.07	.48	-1.729	11.377
36	.62	.10	30.2	5.0	-.09	.53	-2.086	12.565
37	.63	.11	30.9	5.5	-.10	.56	-2.346	13.231
38	.62	.12	30.3	5.7	-.11	.57	-2.513	13.352
39	.55	.13	26.8	6.5	-.13	.52	-2.943	12.169
40	.42	.18	20.6	8.8	-.18	.41	-4.124	9.614
41	-.39	.07	-19.2	3.2	-.07	-.39	-1.557	-9.257

TABLE 7 -
FLOOR FORCE AND MOMENT LOADS - ENERGY CENTER II -- DENVER , COLORADO

DATA FOR WIND DIR. 330 REF. PRESS.-28.PSF GUST FACTOR-1.320 REF. AREA- 1000.SQ FT REF. HEIGHT- 402.FT

FLOOR	CFX	CFY	FORCE(X) (KIPS)	FORCE(Y) (KIPS)	CMX	CMY	MOM(X) (1000-FT-KIPS)	MOM(Y) (1000-FT-KIPS)
1	.21	-.21	10.0	-10.3	.01	.01	.129	.125
2	.09	-.31	4.5	-15.3	.02	.01	.474	.141
3	.13	-.12	6.4	-5.8	.01	.01	.242	.267
4	.12	-.16	6.1	-7.7	.02	.01	.393	.311
5	.12	-.20	5.8	-9.6	.02	.01	.580	.350
6	.11	-.24	5.5	-11.5	.03	.02	.802	.383
7	.11	-.27	5.2	-13.4	.05	.02	1.060	.410
8	.11	-.26	5.4	-12.8	.05	.02	1.140	.482
9	.12	-.25	5.8	-12.1	.05	.02	1.189	.566
10	.13	-.23	6.1	-11.4	.05	.03	1.224	.657
11	.13	-.22	6.4	-10.6	.05	.03	1.245	.753
12	.14	-.20	6.8	-9.9	.05	.04	1.253	.856
13	.14	-.20	7.0	-9.7	.06	.04	1.320	.954
14	.15	-.20	7.2	-9.8	.06	.04	1.418	1.052
15	.15	-.20	7.5	-9.8	.06	.05	1.517	1.155
16	.22	-.28	10.6	-13.5	.10	.07	2.239	1.763
17	.27	-.30	13.3	-14.7	.11	.10	2.645	2.406
18	.12	-.17	5.6	-8.5	.07	.05	1.641	1.083
19	.16	-.24	7.7	-11.8	.10	.07	2.408	1.562
20	.15	-.24	7.5	-11.8	.11	.07	2.558	1.624
21	.15	-.24	7.4	-11.8	.12	.07	2.708	1.683
22	.15	-.25	7.4	-12.2	.12	.08	2.940	1.774
23	.16	-.27	7.6	-13.0	.14	.08	3.298	1.918
24	.16	-.28	7.8	-13.8	.16	.09	3.676	2.068
25	.16	-.30	8.0	-14.6	.17	.09	4.075	2.222
26	.17	-.32	8.2	-15.4	.19	.10	4.494	2.382
27	.18	-.33	8.7	-16.3	.21	.11	4.952	2.627
28	.19	-.35	9.5	-17.3	.23	.13	5.465	2.997
29	.21	-.37	10.3	-18.3	.26	.14	6.002	3.387
30	.23	-.39	11.1	-19.2	.28	.16	6.563	3.799
31	.25	-.41	12.0	-20.2	.30	.18	7.149	4.231
32	.27	-.43	13.0	-21.1	.33	.20	7.722	4.759
33	.29	-.45	14.3	-21.8	.35	.23	8.240	5.422
34	.32	-.46	15.6	-22.4	.37	.26	8.774	6.118
35	.35	-.47	17.2	-23.1	.40	.29	9.319	6.936
36	.39	-.49	19.0	-23.7	.42	.34	9.871	7.894
37	.41	-.49	20.0	-24.0	.44	.36	10.280	8.560
38	.41	-.49	20.2	-23.9	.45	.38	10.541	8.921
39	.39	-.49	18.8	-23.8	.46	.36	10.774	8.542
40	.33	-.52	16.2	-25.4	.50	.32	11.840	7.559
41	-.06	-.48	-2.9	-23.6	.48	-.06	11.398	-1.382

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
0	1001	-.406	.097	-.132	-.975
0	1002	-.378	.098	-.136	-.979
0	1003	-.179	.077	.141	-.538
0	1004	-.097	.087	.250	-.464
0	1005	-.016	.103	.327	-.488
0	1006	.014	.117	.356	-.473
0	1007	.053	.133	.510	-.432
0	1008	.057	.153	.572	-.435
0	1009	.113	.187	.781	-.492
0	1010	.156	.240	.800	-.740
0	1011	-.395	.088	-.139	-.885
0	1012	-.394	.093	-.148	-1.138
0	1013	-.159	.075	.106	-.532
0	1014	-.025	.094	.266	-.421
0	1015	.121	.123	.594	-.338
0	1016	.183	.137	.646	-.294
0	1017	.223	.155	.677	-.335
0	1018	.254	.181	.712	-.333
0	1019	.307	.216	.917	-.848
0	1020	.292	.258	.998	-1.063
0	1021	-.390	.088	-.149	-.845
0	1022	-.379	.090	-.142	-.886
0	1023	-.170	.074	.093	-.532
0	1024	-.034	.092	.315	-.340
0	1025	.128	.126	.565	-.234
0	1026	.199	.146	.661	-.202
0	1027	.271	.155	.713	-.188
0	1028	.306	.179	.897	-.205
0	1029	.342	.207	1.020	-.383
0	1030	.309	.246	1.004	-.753
0	1031	-.399	.104	-.134	-1.019
0	1032	-.397	.108	-.121	-1.015
0	1033	-.175	.083	.086	-.556
0	1034	-.038	.091	.277	-.336
0	1035	.129	.119	.543	-.398
0	1036	.204	.137	.576	-.251
0	1037	.261	.151	.733	-.148
0	1038	.290	.174	.872	-.144
0	1039	.313	.196	.984	-.234
0	1040	.270	.223	.991	-.771
0	1041	-.418	.142	-.028	-1.154
0	1042	-.413	.152	-.077	-1.325
0	1043	-.186	.094	.188	-.622
0	1044	-.043	.092	.309	-.383
0	1045	.124	.115	.470	-.238
0	1046	.200	.137	.614	-.213
0	1047	.257	.148	.719	-.256
0	1048	.276	.168	.921	-.104
0	1049	.290	.183	1.026	-.205
0	1050	.238	.194	.964	-.572
0	1051	-.421	.189	-.005	-1.366
0	1052	-.431	.202	-.018	-1.447
0	1053	-.202	.104	.128	-.686
0	1054	-.056	.090	.304	-.342
0	1055	.097	.105	.483	-.191
0	1056	.162	.124	.590	-.159
0	1057	.216	.137	.651	-.097
0	1058	.231	.150	.775	-.079
0	1059	.236	.157	.873	-.118
0	1060	.186	.159	.821	-.327
0	1061	-.462	.242	-.051	-1.749
0	1062	-.478	.272	-.040	-2.074
0	1063	-.224	.127	.073	-.854
0	1064	-.073	.090	.257	-.480
0	1065	.073	.096	.474	-.249
0	1066	.127	.108	.549	-.211
0	1067	.179	.121	.691	-.106
0	1068	.187	.135	.660	-.191
0	1069	.201	.145	.761	-.189
0	1070	.165	.154	.796	-.352
0	1071	-.329	.117	-.023	-.975
0	1072	-.430	.175	-.094	-1.286
0	1073	-.215	.088	.095	-.574
0	1074	-.071	.070	.191	-.403
0	1075	.021	.078	.332	-.325
0	1076	.064	.091	.455	-.354
0	1077	.084	.098	.443	-.276
0	1078	.085	.110	.534	-.232
0	1079	.105	.119	.690	-.232
0	1080	.082	.122	.796	-.280
0	1081	.052	.097	.505	-.218
0	1082	.065	.111	.643	-.296
0	1083	-.023	.086	.283	-.323
0	1084	-.126	.075	.177	-.402
0	1085	.014	.086	.331	-.259
0	1086	.054	.100	.512	-.201
0	1087	.051	.120	.715	-.289
0	1088	.030	.114	.608	-.322
0	1089	-.158	.063	.086	-.478
0	1090	-.037	.077	.279	-.474
0	1091	.054	.094	.497	-.331
0	1092	.095	.102	.501	-.297
0	1093	.076	.097	.548	-.197
0	1094	.106	.105	.607	-.223
0	1095	.133	.122	.714	-.384
0	1096	.113	.123	.707	-.380
0	1097	-.164	.060	.053	-.441
0	1098	-.065	.057	.219	-.260
0	1099	.034	.065	.287	-.136
0	1100	.061	.069	.324	-.107
0	1101	.070	.076	.620	-.100
0	1102	.078	.081	.686	-.133
0	1103	.071	.092	.555	-.356
0	1104	.050	.098	.496	-.364
0	1105	-.176	.072	.074	-.537
0	1106	-.072	.060	.214	-.363
0	1107	.022	.062	.287	-.153
0	1108	.040	.065	.356	-.134
0	1109	.035	.057	.281	-.139
0	1110	.032	.057	.274	-.174
0	1111	.214	.008	.243	.187
0	1112	.141	.009	.168	.107
0	1113	-.184	.083	.070	-.692
0	1114	-.074	.059	.160	-.367
0	1115	.040	.059	.294	-.102
0	1116	.076	.067	.369	-.094
0	1117	.081	.063	.300	-.086
0	1118	.065	.055	.263	-.077
0	1119	.026	.054	.254	-.187
0	1120	.008	.066	.286	-.389
0	1121	-.123	.072	.125	-.522
0	1122	-.079	.058	.165	-.325
0	1123	-.032	.038	.108	-.126
0	1124	.115	.089	.560	-.115
0	1125	.097	.075	.404	-.212
0	1126	.002	.051	.223	-.212
0	1127	.012	.036	.153	-.112
0	1128	.008	.052	.347	-.211
0	1129	-.007	.055	.228	-.162
0	1130	.050	.070	.358	-.118
0	1131	.117	.071	.405	-.034
0	1132	.100	.079	.494	-.117
0	1133	.052	.061	.362	-.221
0	1134	.025	.054	.282	-.202
0	1135	.009	.055	.250	-.099
0	1136	.094	.089	.553	-.098
0	1137	.151	.098	.592	-.075
0	1138	.133	.091	.635	-.092
0	1139	.088	.051	.286	-.083
0	1140	.059	.061	.396	-.162
0	1141	.047	.054	.353	-.129
0	2001	.244	.232	.894	-.866
0	2002	.148	.224	.814	-.750
0	2003	-.112	.255	.742	-1.195
0	2004	-.027	.146	.548	-.727
0	2005	-.045	.136	.365	-.460
0	2006	-.057	.129	.342	-.479
0	2007	-.150	.108	.261	-.497
0	2008	-.439	.093	-.145	-.800
0	2009	.376	.255	1.043	-.541

APPENDIX A -- PRESSURE DATA: ENERGY CENTER II -- DENVER , COLORADO

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
0	2010	.263	.229	.932	-.502
0	2011	.032	.266	.823	-1.091
0	2012	.162	.183	.763	-.862
0	2013	.112	.150	.707	-.353
0	2014	.035	.127	.588	-.420
0	2015	-.135	.108	.335	-.581
0	2016	-.433	.092	-.105	-.816
0	2017	.317	.236	1.022	-.636
0	2018	.206	.200	.856	-.377
0	2019	.002	.263	.862	-1.169
0	2020	.131	.179	.787	-.796
0	2021	.107	.129	.583	-.274
0	2022	.035	.117	.484	-.286
0	2023	-.150	.096	.250	-.481
0	2024	-.446	.106	.007	-1.035
0	2025	.301	.225	.961	-.584
0	2026	.223	.182	.851	-.596
0	2027	.037	.238	.842	-.958
0	2028	.148	.164	.760	-.550
0	2029	.106	.123	.612	-.236
0	2030	.029	.113	.478	-.255
0	2031	-.154	.098	.284	-.469
0	2032	-.450	.106	-.097	-.897
0	2033	.257	.212	1.009	-.693
0	2034	.185	.163	.855	-.380
0	2035	-.002	.232	.828	-.787
0	2036	.114	.166	.769	-.621
0	2037	.089	.121	.633	-.342
0	2038	.014	.116	.522	-.311
0	2039	-.164	.105	.341	-.531
0	2040	-.494	.119	-.024	-.992
0	2041	.188	.153	.864	-.453
0	2042	.137	.127	.644	-.436
0	2043	.008	.202	.599	-.702
0	2044	.093	.135	.601	-.519
0	2045	.060	.093	.605	-.185
0	2046	-.001	.092	.461	-.206
0	2047	-.172	.100	.316	-.462
0	2048	-.528	.139	-.002	-1.025
0	2049	.154	.144	.767	-.314
0	2050	.090	.105	.503	-.239
0	2051	-.081	.179	.423	-.730
0	2052	.030	.105	.442	-.621
0	2053	.041	.075	.446	-.194
0	2054	-.011	.074	.357	-.202
0	2055	-.164	.090	.188	-.469
0	2056	-.526	.165	-.055	-1.326
0	2057	.069	.123	.628	-.610
0	2058	.042	.100	.538	-.427
0	2059	-.068	.138	.393	-.721
0	2060	.000	.083	.349	-.524
0	2061	.004	.069	.328	-.236
0	2062	-.017	.064	.308	-.253
0	2063	-.097	.065	.258	-.293
0	2064	-.328	.114	.115	-.782
0	2065	-.044	.104	.344	-.474
0	2066	-.061	.112	.424	-.561
0	2067	.027	.097	.496	-.380
0	2068	-.004	.081	.285	-.420
0	2069	-.131	.053	.121	-.317
0	2070	-.006	.082	.549	-.352
0	2071	-.008	.158	.396	-.789
0	2072	.025	.129	.627	-.585
0	2073	.035	.080	.333	-.513
0	2074	.030	.062	.283	-.366
0	2075	-.016	.056	.238	-.213
0	2076	-.083	.054	.137	-.287
0	2077	-.208	.064	.079	-.425
0	2078	-.042	.143	.480	-.698
0	2079	.004	.113	.389	-.574
0	2080	.020	.072	.340	-.384
0	2081	.007	.056	.229	-.222
0	2082	-.023	.052	.206	-.188
0	2083	-.096	.051	.121	-.274
0	2084	-.212	.063	.022	-.435
0	2085	-.011	.086	.316	-.437
0	2086	.008	.077	.285	-.385
0	2087	.025	.060	.254	-.428
0	2088	.016	.050	.241	-.221
0	2089	-.008	.049	.289	-.148
0	2090	-.096	.051	.213	-.250
0	2091	-.200	.062	.027	-.441
0	2092	.049	.076	.455	-.652
0	2093	.062	.076	.420	-.487
0	2094	.065	.064	.329	-.188
0	2095	.054	.058	.327	-.140
0	2096	.020	.053	.261	-.146
0	2097	-.069	.047	.215	-.243
0	2098	-.160	.050	.032	-.352
0	2099	-.002	.053	.264	-.202
0	2100	-.000	.051	.230	-.178
0	2101	.005	.046	.188	-.149
0	2102	-.022	.047	.132	-.204
0	2103	-.026	.042	.130	-.197
0	2104	-.041	.040	.106	-.202
0	2105	-.047	.039	.089	-.204
0	2106	-.097	.042	.050	-.243
0	2107	-.161	.050	.082	-.362
0	2108	-.159	.047	.130	-.312
0	2109	-.133	.048	.114	-.318
0	2110	-.090	.043	.180	-.276
0	2111	-.040	.037	.226	-.168
0	2112	-.045	.038	.233	-.170
0	2113	-.030	.041	.316	-.167
0	2114	-.042	.048	.187	-.183
0	2115	-.018	.050	.180	-.226
0	2116	-.029	.034	.115	-.130
0	3001	-.729	.168	-.328	-1.505
0	3002	-.594	.108	-.248	-1.094
0	3003	-.574	.122	-.254	-1.062
0	3004	-.572	.111	-.267	-1.110
0	3005	-.586	.114	-.256	-1.106
0	3006	-.551	.125	-.234	-1.286
0	3007	-.456	.153	-.035	-1.440
0	3008	-.351	.103	.043	-.948
0	3009	-.332	.092	.142	-.771
0	3010	-.350	.091	.029	-.806
0	3011	-.658	.144	-.354	-1.646
0	3012	-.623	.108	-.314	-1.106
0	3013	-.578	.106	-.263	-1.228
0	3014	-.592	.107	-.272	-1.092
0	3015	-.600	.107	-.286	-1.120
0	3016	-.547	.107	-.223	-.973
0	3017	-.447	.099	-.168	-.960
0	3018	-.381	.088	-.139	-.838
0	3019	-.369	.084	-.115	-.816
0	3020	-.395	.086	-.146	-.757
0	3021	-.687	.154	-.342	-1.543
0	3022	-.662	.118	-.307	-1.160
0	3023	-.582	.106	-.248	-1.104
0	3024	-.600	.108	-.303	-1.139
0	3025	-.607	.108	-.304	-1.023
0	3026	-.540	.103	-.239	-.894
0	3027	-.456	.097	-.181	-.867
0	3028	-.400	.085	-.121	-.759
0	3029	-.385	.080	-.090	-.720
0	3030	-.425	.100	-.092	-.890
0	3031	-.746	.191	-.360	-1.849
0	3032	-.686	.136	-.309	-1.592
0	3033	-.639	.126	-.294	-1.352
0	3034	-.656	.124	-.323	-1.269
0	3035	-.664	.133	-.216	-1.333
0	3036	-.569	.114	-.182	-1.120
0	3037	-.439	.101	-.168	-.801
0	3038	-.361	.082	-.115	-.717
0	3039	-.339	.083	-.031	-.711
0	3040	-.376	.110	-.083	-.840
0	3041	-.859	.235	-.396	-1.964
0	3042	-.728	.172	-.264	-1.440
0	3043	-.711	.152	-.272	-1.525

APPENDIX A -- PRESSURE DATA: ENERGY CENTER II -- DENVER , COLORADO

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
0	3044	-.726	.155	-.294	-1.460
0	3045	-.704	.163	-.254	-1.540
0	3046	-.551	.134	-.146	-1.142
0	3047	-.410	.102	-.113	-.836
0	3048	-.313	.081	-.047	-.683
0	3049	-.281	.091	.038	-.576
0	3050	-.313	.129	.061	-.838
0	3051	-1.004	.258	-.387	-2.261
0	3052	-.771	.208	-.354	-1.759
0	3053	-.753	.171	-.347	-1.741
0	3054	-.761	.178	-.362	-1.759
0	3055	-.673	.173	-.173	-1.675
0	3056	-.434	.134	-.063	-1.018
0	3057	-.291	.086	.024	-.710
0	3058	-.220	.083	.083	-.573
0	3059	-.187	.107	.166	-.587
0	3060	-.202	.132	.182	-.730
0	3061	-1.051	.261	-.314	-2.061
0	3062	-.765	.258	-.275	-2.093
0	3063	-.779	.216	-.217	-1.907
0	3064	-.761	.219	-.218	-2.150
0	3065	-.440	.134	-.088	-1.032
0	3066	-.312	.114	.101	-1.011
0	3067	-.257	.100	.077	-.779
0	3068	-.219	.096	.092	-.750
0	3069	-.188	.100	.160	-.715
0	3070	-.193	.114	.214	-.888
0	3071	-.562	.138	-.171	-1.333
0	3072	-.404	.095	-.176	-.933
0	3073	-.429	.108	-.175	-.909
0	3074	-.431	.115	-.151	-1.009
0	3075	-.416	.119	-.085	-.976
0	3076	-.362	.116	.005	-.928
0	3077	-.294	.101	.040	-.726
0	3078	-.250	.094	.106	-.779
0	3079	-.221	.091	.079	-.749
0	3080	-.222	.089	.052	-.615
0	3081	-.279	.087	-.007	-.726
0	3082	-.181	.066	.081	-.489
0	3083	-.351	.079	-.111	-.855
0	3084	-.383	.095	-.080	-.858
0	3085	-.376	.095	-.128	-.858
0	3086	-.240	.070	.007	-.563
0	3087	-.190	.067	.053	-.544
0	3088	-.202	.073	.081	-.595
0	3089	-.343	.074	-.140	-.758
0	3090	-.356	.080	-.136	-.810
0	3091	-.394	.093	-.110	-.887
0	3092	-.342	.081	.009	-.710
0	3093	-.291	.072	-.018	-.649
0	3094	-.239	.064	-.018	-.591
0	3095	-.207	.062	-.023	-.484
0	3096	-.213	.071	-.007	-.637
0	3097	-.345	.071	-.156	-.624
0	3098	-.355	.074	-.146	-.708
0	3099	-.391	.085	-.038	-.759
0	3100	-.353	.078	-.053	-.632
0	3101	-.301	.068	-.048	-.602
0	3102	-.245	.061	.075	-.594
0	3103	-.212	.060	-.002	-.500
0	3104	-.223	.072	.047	-.659
0	3105	-.396	.091	-.188	-.943
0	3106	-.404	.095	-.191	-1.076
0	3107	-.418	.109	-.142	-1.038
0	3108	-.346	.096	-.058	-.951
0	3109	-.275	.069	-.023	-.586
0	3110	-.213	.056	.007	-.496
0	3111	-.167	.057	.063	-.421
0	3112	-.169	.067	.067	-.456
0	3113	-.397	.117	-.140	-1.423
0	3114	-.404	.117	-.139	-1.078
0	3115	-.362	.092	-.077	-.754
0	3116	-.282	.077	-.038	-.737
0	3117	-.221	.059	-.011	-.572
0	3118	-.175	.051	.061	-.400
0	3119	-.164	.065	.083	-.572
0	3120	-.161	.072	.080	-.568
0	3122	-.091	.030	.000	-.182
0	3123	-.117	.037	.002	-.288
0	3124	-.101	.038	.049	-.256
0	3125	-.433	.128	-.118	-1.240
0	3126	-.442	.076	-.227	-.810
0	3127	-.337	.077	-.089	-.719
0	3128	-.267	.066	-.028	-.865
0	3129	-.286	.071	-.087	-.670
0	3130	-.227	.030	-.142	-.398
0	3131	-.188	.049	-.028	-.412
0	3132	-.218	.067	-.026	-.670
0	3133	-.261	.108	-.005	-.986
0	3134	-.178	.028	-.085	-.283
0	3135	-.191	.060	.030	-.691
0	3136	-.166	.057	.080	-.444
0	3137	-.190	.047	-.038	-.409
0	3138	-.183	.033	-.067	-.322
0	3139	-.184	.056	-.014	-.618
0	3140	-.408	.087	-.158	-.788
0	3141	-.298	.070	-.092	-.605
0	3142	-.253	.028	-.173	-.351
0	3143	-.155	.045	.009	-.349
0	3144	-.362	.118	.096	-.987
0	3145	-.272	.093	.021	-.677
0	3146	-.197	.025	-.117	-.288
0	3147	-.115	.052	.138	-.283
0	3148	-.091	.058	.216	-.261
0	3149	-.101	.062	.223	-.287
0	3150	-.158	.028	-.045	-.261
0	4001	-.387	.097	-.043	-.799
0	4002	-.401	.092	-.066	-.799
0	4003	-.421	.097	-.135	-.975
0	4004	-.404	.083	-.114	-.801
0	4005	-.423	.085	-.131	-.837
0	4006	-.404	.085	-.121	-.799
0	4007	-.368	.088	-.077	-.813
0	4008	-.359	.094	-.069	-.890
0	4009	-.449	.114	-.163	-.925
0	4010	-.438	.093	-.165	-.853
0	4011	-.468	.108	-.149	-1.007
0	4012	-.444	.087	-.212	-.822
0	4013	-.424	.085	-.189	-.917
0	4014	-.402	.087	-.186	-.826
0	4015	-.374	.085	-.134	-.826
0	4016	-.363	.085	-.109	-.788
0	4017	-.499	.153	-.084	-1.321
0	4018	-.486	.113	-.187	-.974
0	4019	-.521	.143	-.108	-1.196
0	4020	-.482	.114	-.107	-.997
0	4021	-.470	.110	-.201	-1.068
0	4022	-.430	.103	-.184	-1.099
0	4023	-.386	.086	-.164	-.860
0	4024	-.383	.096	-.080	-1.101
0	4025	-.461	.178	-.068	-1.344
0	4026	-.448	.132	-.057	-.901
0	4027	-.524	.176	-.043	-1.359
0	4028	-.478	.130	-.089	-1.081
0	4029	-.487	.140	-.104	-1.165
0	4030	-.447	.127	-.125	-1.118
0	4031	-.406	.106	-.043	-.922
0	4032	-.386	.107	-.013	-.905
0	4033	-.376	.202	.102	-1.362
0	4034	-.371	.162	.073	-.958
0	4035	-.448	.207	.068	-1.309
0	4036	-.418	.157	.063	-.996
0	4037	-.472	.172	.200	-1.151
0	4038	-.462	.164	.071	-1.211
0	4039	-.406	.125	-.025	-.997
0	4040	-.393	.123	.011	-.946
0	4041	-.235	.173	.159	-1.165
0	4042	-.241	.159	.193	-.876
0	4043	-.307	.215	.253	-1.667
0	4044	-.298	.177	.257	-1.101

APPENDIX A -- PRESSURE DATA: ENERGY CENTER II -- DENVER , COLORADO

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
0	4045	-.422	.193	.032	-1.237
0	4046	-.449	.189	.023	-1.407
0	4047	-.410	.164	.041	-1.339
0	4048	-.390	.157	.022	-1.192
0	4049	-.212	.127	.179	-.935
0	4050	-.216	.133	.180	-.917
0	4051	-.256	.182	.235	-1.619
0	4052	-.251	.163	.196	-1.284
0	4053	-.337	.180	.286	-1.312
0	4054	-.395	.183	.011	-1.573
0	4055	-.434	.218	-.027	-1.516
0	4056	-.423	.217	-.011	-1.519
0	4057	-.242	.105	.061	-.727
0	4058	-.241	.115	.091	-.824
0	4059	-.277	.147	.087	-1.195
0	4060	-.275	.137	.072	-1.092
0	4061	-.326	.145	.025	-1.106
0	4062	-.325	.128	-.027	-1.070
0	4063	-.329	.121	-.057	-.929
0	4064	-.327	.126	-.041	-1.020
0	4065	-.251	.103	.095	-.865
0	4066	-.258	.131	.214	-1.029
0	4067	-.247	.087	.068	-.610
0	4068	-.278	.097	.004	-.772
0	4069	-.303	.099	-.043	-.759
0	4070	-.253	.080	-.011	-.637
0	4071	-.270	.138	.084	-1.159
0	4072	-.251	.109	.139	-.818
0	4073	-.272	.095	.050	-.783
0	4074	-.280	.093	-.030	-.828
0	4075	-.281	.080	-.039	-.724
0	4076	-.253	.073	-.026	-.646
0	4077	-.261	.077	-.032	-.595
0	4078	-.282	.135	.043	-1.322
0	4079	-.277	.106	.018	-.990
0	4080	-.290	.106	.011	-.892
0	4081	-.309	.100	-.075	-.840
0	4082	-.295	.094	-.066	-.885
0	4083	-.283	.086	-.057	-.833
0	4084	-.265	.084	-.041	-.816
0	4085	-.210	.102	.257	-.797
0	4086	-.211	.096	.141	-.637
0	4087	-.280	.117	.000	-1.284
0	4088	-.317	.126	.011	-1.120
0	4089	-.338	.133	-.032	-1.199
0	4090	-.319	.123	-.046	-1.484
0	4091	-.322	.116	-.057	-1.254
0	4092	-.164	.084	.067	-.761
0	4093	-.167	.091	.104	-.899
0	4094	-.200	.110	.118	-1.379
0	4095	-.253	.120	.080	-1.409
0	4096	-.293	.123	.009	-1.099
0	4097	-.376	.177	-.023	-1.546
0	4098	-.362	.177	-.016	-1.782
0	4099	-.131	.053	.098	-.389
0	4100	-.158	.054	.079	-.437
0	4101	-.169	.050	.096	-.394
0	4102	-.189	.050	.048	-.451
0	4103	-.157	.047	.025	-.485
0	4104	-.147	.053	.199	-.647
0	4105	-.154	.053	.115	-.653
0	4106	-.168	.048	-.005	-.490
0	4107	-.173	.071	.069	-.680
0	4108	-.183	.079	.094	-.579
0	4109	-.237	.105	.082	-.778
0	4110	-.306	.151	.031	-1.397
0	4111	-.324	.141	.014	-1.282
0	4112	-.354	.164	-.019	-1.387
0	4113	-.346	.171	-.019	-1.980
0	4114	-.187	.055	.000	-.461
0	4115	-.242	.073	.002	-.522
0	5001	-.339	.102	.081	-.696
0	5002	-.278	.111	.146	-.883
0	5003	-.421	.097	-.018	-.875
0	5004	-.433	.089	-.207	-.800
0	5005	-.445	.075	-.238	-.741
0	5006	-.576	.101	-.292	-.991
0	5007	-.349	.160	-.018	-1.230
0	5008	-.440	.097	-.100	-.837
0	5009	-.464	.100	-.184	-.857
0	5010	-.376	.061	-.171	-.801
0	5011	-.443	.141	-.476	-.669
0	5012	-.486	.109	-.056	-1.000
0	5013	-.561	.162	.170	-1.125
0	5014	-.491	.241	.297	-1.298
0	5015	-.635	.300	-.052	-1.657
0	5016	-.092	.169	.343	-1.149
0	5017	-.444	.135	.020	-1.113
0	5018	-1.129	.316	.043	-2.085
0	5100	-.193	.058	-.035	-.475
0	5101	-.210	.066	-.044	-.517
0	5102	-.165	.050	-.018	-.516
0	5103	.012	.055	.319	-.133
0	5104	-.066	.054	.290	-.084
0	5105	-.026	.033	.118	-.124
0	5106	-.017	.030	.131	-.126
15	1001	-.626	.102	-.306	-1.366
15	1002	-.729	.222	-.294	-2.024
15	1003	-.218	.075	.011	-.534
15	1004	-.083	.084	.168	-.360
15	1005	-.008	.089	.288	-.320
15	1006	.003	.093	.326	-.267
15	1007	.059	.092	.394	-.242
15	1008	.125	.105	.501	-.364
15	1009	.244	.124	.709	-.212
15	1010	.321	.136	.898	-.181
15	1011	-.623	.134	-.303	-1.619
15	1012	-.639	.175	-.303	-1.825
15	1013	-.173	.097	.111	-.618
15	1014	.055	.104	.382	-.353
15	1015	.246	.118	.628	-.090
15	1016	.321	.123	.672	-.059
15	1017	.389	.120	.758	-.007
15	1018	.457	.132	.817	.032
15	1019	.529	.150	.970	.036
15	1020	.492	.165	.982	-.122
15	1021	-.637	.153	-.216	-1.312
15	1022	-.649	.207	-.216	-1.842
15	1023	-.176	.095	.153	-.576
15	1024	.059	.098	.435	-.262
15	1025	.294	.114	.687	-.095
15	1026	.399	.122	.824	.011
15	1027	.452	.135	.914	.104
15	1028	.513	.150	1.024	.059
15	1029	.555	.159	1.058	.063
15	1030	.481	.173	.975	-.109
15	1031	-.656	.174	-.235	-1.522
15	1032	-.689	.235	-.214	-2.231
15	1033	-.198	.108	.165	-.676
15	1034	.036	.101	.410	-.371
15	1035	.278	.116	.723	-.074
15	1036	.395	.125	.833	.038
15	1037	.476	.138	.920	.071
15	1038	.525	.146	.954	.121
15	1039	.543	.153	1.009	.133
15	1040	.447	.173	1.007	-.167
15	1041	-.742	.198	-.260	-1.502
15	1042	-.814	.291	-.225	-1.997
15	1043	-.223	.121	.182	-.691
15	1044	.032	.104	.446	-.319
15	1045	.282	.115	.655	-.052
15	1046	.406	.125	.810	.095
15	1047	.450	.133	1.038	.071
15	1048	.496	.144	.967	.073
15	1049	.512	.152	1.036	.092
15	1050	.423	.169	.964	-.342
15	1051	-.836	.275	-.118	-1.859
15	1052	-.990	.354	-.100	-2.082
15	1053	-.290	.145	.176	-.767
15	1054	-.016	.103	.385	-.314

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
15	1055	.231	.104	.693	-.025
15	1056	.351	.118	.796	.043
15	1057	.424	.131	.798	.127
15	1058	.463	.147	.899	.134
15	1059	.470	.155	.948	.029
15	1060	.380	.167	.910	-.274
15	1061	-.852	.314	-.083	-2.038
15	1062	-1.103	.362	-.084	-2.490
15	1063	-.336	.180	.147	-.892
15	1064	-.025	.101	.300	-.346
15	1065	.228	.097	.648	-.052
15	1066	.339	.111	.785	.027
15	1067	.388	.122	.814	.082
15	1068	.415	.137	.863	.039
15	1069	.417	.152	.907	.029
15	1070	.326	.177	.891	-.278
15	1071	-.332	.096	-.042	-.795
15	1072	-.618	.171	-.096	-1.270
15	1073	-.240	.100	.113	-.651
15	1074	.019	.069	.344	-.175
15	1075	.153	.082	.453	-.079
15	1076	.236	.103	.597	-.014
15	1077	.255	.113	.640	-.056
15	1078	.253	.132	.692	-.159
15	1079	.237	.138	.720	-.142
15	1080	.154	.152	.701	-.310
15	1081	.218	.101	.579	-.050
15	1082	.150	.126	.591	-.281
15	1083	.096	.086	.413	-.232
15	1084	-.051	.068	.230	-.262
15	1085	.165	.090	.473	-.115
15	1086	.209	.119	.593	-.100
15	1087	.113	.129	.540	-.307
15	1088	.119	.119	.533	-.232
15	1089	-.111	.063	.139	-.359
15	1090	.063	.072	.360	-.258
15	1091	.202	.090	.565	-.113
15	1092	.270	.106	.738	-.067
15	1093	.281	.127	.765	-.079
15	1094	.323	.151	.892	-.242
15	1095	.278	.159	.791	-.233
15	1096	.119	.157	.617	-.343
15	1097	-.120	.060	.070	-.352
15	1098	.028	.058	.265	-.149
15	1099	.180	.074	.519	-.016
15	1100	.228	.085	.666	.004
15	1101	.253	.088	.658	.005
15	1102	.246	.097	.664	-.012
15	1103	.161	.106	.602	-.136
15	1104	.026	.110	.497	-.283
15	1105	-.132	.070	.165	-.390
15	1106	.024	.060	.321	-.167
15	1107	.179	.067	.498	.000
15	1108	.222	.076	.582	.029
15	1109	.224	.084	.543	-.049
15	1110	.192	.084	.490	-.118
15	1111	.211	.087	.238	.182
15	1112	.228	.089	.254	.198
15	1113	-.155	.087	.095	-.587
15	1114	.010	.063	.279	-.211
15	1115	.192	.065	.484	.021
15	1116	.260	.080	.564	.058
15	1117	.258	.097	.626	.026
15	1118	.212	.083	.560	.012
15	1119	.087	.057	.399	-.062
15	1120	-.011	.068	.261	-.265
15	1121	-.069	.083	.230	-.367
15	1122	.012	.074	.278	-.228
15	1123	.093	.055	.294	-.046
15	1124	.346	.115	.812	.105
15	1125	.308	.112	.753	.053
15	1126	.024	.052	.250	-.161
15	1127	.019	.031	.138	-.080
15	1128	-.045	.055	.138	-.275
15	1129	.129	.062	.420	-.050
15	1130	.224	.077	.631	.014
15	1131	.341	.080	.603	.101
15	1132	.349	.118	.871	.069
15	1133	.189	.087	.552	-.010
15	1134	.108	.070	.422	-.065
15	1135	.171	.065	.378	-.007
15	1136	.261	.097	.645	.005
15	1137	.365	.127	.847	.086
15	1138	.341	.132	.883	.048
15	1139	.203	.081	.465	.028
15	1140	.113	.078	.456	-.103
15	1141	.230	.096	.729	-.007
15	2001	.153	.168	.603	-.450
15	2002	-.194	.142	.324	-.678
15	2003	-.720	.180	.012	-1.250
15	2004	-.325	.185	.018	-1.101
15	2005	-.239	.058	-.060	-.554
15	2006	-.220	.056	-.028	-.406
15	2007	-.267	.051	-.092	-.484
15	2008	-.417	.062	-.236	-.695
15	2009	-.252	.213	.828	-.809
15	2010	-.105	.164	.601	-.612
15	2011	-.552	.202	.143	-1.227
15	2012	-.298	.264	.302	-1.209
15	2013	-.094	.066	.167	-.468
15	2014	-.130	.056	.114	-.297
15	2015	-.240	.049	-.009	-.406
15	2016	-.412	.059	-.241	-.640
15	2017	-.153	.247	.798	-.740
15	2018	-.081	.158	.485	-.557
15	2019	-.516	.195	.072	-1.294
15	2020	-.348	.274	.290	-1.123
15	2021	-.068	.083	.257	-.545
15	2022	-.109	.057	.165	-.293
15	2023	-.243	.048	-.023	-.397
15	2024	-.416	.068	-.225	-.704
15	2025	-.157	.250	.831	-.770
15	2026	-.021	.148	.614	-.455
15	2027	-.498	.190	.278	-1.135
15	2028	-.348	.270	.349	-1.084
15	2029	-.057	.094	.210	-.765
15	2030	-.101	.059	.145	-.473
15	2031	-.234	.050	-.044	-.424
15	2032	-.413	.065	-.235	-.632
15	2033	-.110	.273	.751	-.994
15	2034	-.012	.155	.483	-.459
15	2035	-.460	.195	.287	-1.125
15	2036	-.310	.273	.333	-.985
15	2037	-.054	.112	.229	-.716
15	2038	-.089	.065	.162	-.464
15	2039	-.220	.056	.000	-.421
15	2040	-.418	.074	-.190	-.720
15	2041	-.106	.283	.866	-1.036
15	2042	-.016	.167	.597	-.679
15	2043	-.463	.201	.287	-1.174
15	2044	-.296	.267	.407	-.972
15	2045	-.063	.114	.275	-.642
15	2046	-.081	.065	.192	-.389
15	2047	-.199	.061	.007	-.456
15	2048	-.407	.092	-.183	-.934
15	2049	-.012	.279	.777	-1.227
15	2050	-.065	.166	.539	-.595
15	2051	-.432	.220	.315	-1.186
15	2052	-.278	.258	.373	-1.075
15	2053	-.082	.112	.245	-.810
15	2054	-.092	.067	.143	-.445
15	2055	-.197	.062	.032	-.438
15	2056	-.410	.110	-.132	-.954
15	2057	-.123	.240	.520	-1.111
15	2058	-.139	.160	.433	-.647
15	2059	-.431	.220	.313	-1.274
15	2060	-.272	.196	.261	-1.001
15	2061	-.157	.112	.219	-.779
15	2062	-.125	.085	.185	-.644
15	2063	-.183	.061	.051	-.496

APPENDIX A -- PRESSURE DATA: ENERGY CENTER II -- DENVER , COLORADO

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
15	2064	-.375	.097	-.058	-.798
15	2065	-.418	.189	.135	-1.211
15	2066	-.438	.180	.162	-1.099
15	2067	-.169	.176	.317	-.810
15	2068	-.131	.142	.248	-.742
15	2069	-.304	.058	-.147	-.564
15	2070	-.077	.113	.284	-.581
15	2071	-.475	.180	.382	-1.105
15	2072	-.423	.202	.237	-1.153
15	2073	-.258	.211	.355	-1.101
15	2074	-.098	.150	.319	-.865
15	2075	-.096	.078	.192	-.574
15	2076	-.152	.057	.112	-.483
15	2077	-.290	.068	-.114	-.548
15	2078	-.404	.136	.187	-1.277
15	2079	-.377	.149	.169	-1.102
15	2080	-.273	.176	.152	-.992
15	2081	-.179	.141	.177	-.971
15	2082	-.149	.090	.122	-.626
15	2083	-.210	.058	-.030	-.468
15	2084	-.335	.076	-.116	-.632
15	2085	-.297	.131	.138	-1.015
15	2086	-.292	.146	.150	-1.047
15	2087	-.213	.146	.130	-1.211
15	2088	-.145	.113	.118	-.664
15	2089	-.133	.084	.135	-.579
15	2090	-.205	.061	-.016	-.476
15	2091	-.320	.082	-.090	-.688
15	2092	-.271	.252	.547	-1.423
15	2093	-.112	.234	.457	-1.232
15	2094	-.008	.130	.398	-.705
15	2095	-.006	.089	.329	-.484
15	2096	-.038	.070	.335	-.337
15	2097	-.149	.058	.082	-.397
15	2098	-.250	.070	-.030	-.569
15	2099	-.182	.077	.145	-.516
15	2100	-.192	.082	.138	-.571
15	2101	-.176	.085	.085	-.538
15	2102	-.173	.077	.071	-.550
15	2103	-.124	.053	.044	-.351
15	2104	-.123	.051	.031	-.402
15	2105	-.116	.051	.039	-.351
15	2106	-.163	.067	.046	-.453
15	2107	-.211	.059	.029	-.448
15	2108	-.211	.066	.063	-.666
15	2109	-.195	.090	.226	-.743
15	2110	-.114	.052	.183	-.261
15	2111	-.083	.043	.126	-.269
15	2112	-.087	.048	.140	-.286
15	2113	-.047	.062	.212	-.222

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
15	2114	-.021	.075	.377	-.222
15	2115	-.120	.046	.065	-.274
15	2116	-.083	.035	.065	-.208
15	3001	-.493	.084	-.289	-.859
15	3002	-.521	.088	-.251	-.886
15	3003	-.473	.082	-.239	-.832
15	3004	-.495	.083	-.260	-.866
15	3005	-.501	.083	-.247	-.875
15	3006	-.533	.148	-.190	-1.750
15	3007	-.445	.131	-.117	-1.745
15	3008	-.452	.091	.013	-.741
15	3009	-.435	.099	-.063	-.735
15	3010	-.434	.101	-.058	-.780
15	3011	-.500	.080	-.292	-.835
15	3012	-.501	.080	-.288	-.837
15	3013	-.497	.079	-.250	-.818
15	3014	-.515	.080	-.254	-.839
15	3015	-.525	.081	-.252	-.839
15	3016	-.521	.082	-.276	-.795
15	3017	-.474	.082	-.212	-.825
15	3018	-.479	.083	-.251	-.790
15	3019	-.458	.085	-.164	-.774
15	3020	-.469	.088	-.161	-.869
15	3021	-.522	.087	-.289	-.799
15	3022	-.531	.088	-.295	-.817
15	3023	-.501	.085	-.283	-.803
15	3024	-.518	.086	-.298	-.808
15	3025	-.529	.086	-.317	-.884
15	3026	-.529	.081	-.302	-.851
15	3027	-.513	.077	-.250	-.820
15	3028	-.487	.084	-.222	-.875
15	3029	-.458	.084	-.191	-.837
15	3030	-.482	.096	-.175	-.894
15	3031	-.535	.093	-.297	-.890
15	3032	-.535	.092	-.279	-.878
15	3033	-.501	.082	-.272	-.803
15	3034	-.518	.082	-.296	-.790
15	3035	-.531	.084	-.301	-.828
15	3036	-.540	.083	-.305	-.907
15	3037	-.530	.088	-.274	-.854
15	3038	-.476	.089	-.164	-.824
15	3039	-.425	.096	-.103	-.821
15	3040	-.446	.111	-.069	-.941
15	3041	-.537	.092	-.302	-.900
15	3042	-.549	.095	-.262	-.903
15	3043	-.517	.093	-.226	-.832
15	3044	-.538	.094	-.240	-.895
15	3045	-.559	.098	-.279	-.929
15	3046	-.576	.100	-.285	-.903
15	3047	-.538	.103	-.190	-.984

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
15	3048	-.429	.102	-.088	-.859
15	3049	-.352	.111	.112	-.803
15	3050	-.362	.129	.096	-.872
15	3051	-.553	.137	-.223	-1.442
15	3052	-.556	.136	-.211	-1.377
15	3053	-.532	.132	-.219	-1.201
15	3054	-.557	.138	-.204	-1.382
15	3055	-.598	.145	-.092	-1.374
15	3056	-.590	.135	-.128	-1.046
15	3057	-.471	.143	-.004	-1.079
15	3058	-.325	.125	.242	-.770
15	3059	-.237	.142	.263	-.947
15	3060	-.253	.160	.280	-.889
15	3061	-.611	.249	-.173	-1.865
15	3062	-.614	.237	-.207	-1.762
15	3063	-.570	.228	-.188	-1.785
15	3064	-.598	.233	-.141	-2.175
15	3065	-.553	.176	-.025	-1.509
15	3066	-.495	.185	.128	-1.183
15	3067	-.417	.173	.157	-1.053
15	3068	-.293	.132	.278	-.983
15	3069	-.225	.126	.304	-.774
15	3070	-.235	.143	.217	-.932
15	3071	-.558	.156	-.221	-1.223
15	3072	-.471	.115	-.166	-.971
15	3073	-.443	.104	-.168	-.949
15	3074	-.484	.114	-.126	-.992
15	3075	-.517	.131	-.110	-1.176
15	3076	-.526	.164	.004	-1.187
15	3077	-.430	.156	-.004	-.977
15	3078	-.322	.132	.146	-.969
15	3079	-.262	.127	.121	-.965
15	3080	-.251	.115	.110	-.867
15	3081	-.309	.125	.027	-.805
15	3082	-.155	.075	.181	-.502
15	3083	-.405	.089	-.143	-1.034
15	3084	-.453	.104	-.179	-1.193
15	3085	-.443	.112	-.120	-1.005
15	3086	-.256	.083	.066	-.624
15	3087	-.168	.073	.088	-.548
15	3088	-.183	.076	.094	-.581
15	3089	-.412	.099	-.143	-1.067
15	3090	-.428	.100	-.162	-.831
15	3091	-.473	.107	-.177	-.920
15	3092	-.414	.095	-.113	-.812
15	3093	-.362	.096	.078	-.868
15	3094	-.256	.069	-.021	-.615
15	3095	-.207	.064	.018	-.492
15	3096	-.215	.075	.039	-.490
15	3097	-.467	.108	-.201	-.949

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
15	3098	-.475	.110	-.200	-1.007
15	3099	-.513	.120	-.232	-1.131
15	3100	-.457	.106	-.202	-.955
15	3101	-.379	.085	-.120	-.776
15	3102	-.271	.068	.037	-.587
15	3103	-.212	.071	.080	-.497
15	3104	-.232	.088	.052	-.594
15	3105	-.559	.134	-.224	-1.221
15	3106	-.556	.136	-.237	-1.244
15	3107	-.544	.139	-.237	-1.432
15	3108	-.405	.100	-.075	-.864
15	3109	-.291	.077	-.044	-.686
15	3110	-.202	.064	.042	-.511
15	3111	-.161	.074	.110	-.458
15	3112	-.169	.083	.109	-.658
15	3113	-.560	.189	-.155	-1.514
15	3114	-.557	.180	-.139	-1.553
15	3115	-.399	.102	-.060	-.862
15	3116	-.280	.081	.043	-.597
15	3117	-.242	.080	-.005	-.656
15	3118	-.163	.060	.097	-.376
15	3119	-.150	.082	.115	-.520
15	3120	-.148	.086	.134	-.631
15	3122	-.149	.038	-.037	-.273
15	3123	-.167	.045	.002	-.341
15	3124	-.128	.061	.257	-.324
15	3125	-.637	.215	-.132	-1.937
15	3126	-.615	.185	-.275	-1.385
15	3127	-.412	.106	-.064	-.864
15	3128	-.267	.085	.029	-.638
15	3129	-.339	.106	-.050	-.907
15	3130	-.275	.071	-.135	-.679
15	3131	-.203	.070	.014	-.602
15	3132	-.271	.117	.017	-.859
15	3133	-.350	.185	.038	-1.589
15	3134	-.184	.043	-.032	-.410
15	3135	-.216	.094	.086	-.738
15	3136	-.144	.090	.122	-.653
15	3137	-.180	.063	.070	-.605
15	3138	-.169	.044	-.011	-.367
15	3139	-.182	.081	.091	-.800
15	3140	-.452	.140	-.026	-.965
15	3141	-.339	.098	-.055	-.828
15	3142	-.281	.036	-.161	-.404
15	3143	-.110	.064	.105	-.375
15	3144	-.206	.231	.588	-1.032
15	3145	-.127	.118	.451	-.550
15	3146	-.129	.044	.028	-.236
15	3147	-.018	.084	.353	-.222
15	3148	.012	.094	.449	-.233
15	3149	.018	.104	.480	-.250
15	3150	-.115	.045	.007	-.337
15	4001	-.478	.113	-.106	-1.138
15	4002	-.507	.112	-.057	-.946
15	4003	-.538	.137	-.122	-1.173
15	4004	-.519	.119	-.014	-1.005
15	4005	-.589	.122	-.155	-1.108
15	4006	-.614	.134	-.156	-1.293
15	4007	-.595	.123	-.283	-1.182
15	4008	-.588	.124	-.272	-1.595
15	4009	-.536	.120	-.180	-1.099
15	4010	-.546	.117	-.199	-1.288
15	4011	-.609	.157	-.159	-1.267
15	4012	-.564	.113	-.209	-1.099
15	4013	-.574	.116	-.222	-1.193
15	4014	-.609	.123	-.247	-1.415
15	4015	-.581	.119	-.279	-1.305
15	4016	-.574	.114	-.268	-1.116
15	4017	-.556	.147	-.180	-1.177
15	4018	-.581	.131	-.158	-1.226
15	4019	-.646	.174	-.074	-1.421
15	4020	-.602	.140	-.045	-1.332
15	4021	-.628	.139	-.127	-1.193
15	4022	-.619	.138	-.209	-1.265
15	4023	-.590	.130	-.186	-1.407
15	4024	-.606	.143	-.239	-1.307
15	4025	-.514	.163	-.107	-1.353
15	4026	-.540	.155	-.059	-1.119
15	4027	-.639	.212	-.114	-1.655
15	4028	-.598	.163	-.100	-1.305
15	4029	-.656	.166	-.027	-1.563
15	4030	-.642	.158	-.107	-1.496
15	4031	-.614	.141	-.235	-1.269
15	4032	-.603	.142	-.220	-1.126
15	4033	-.432	.180	.059	-1.510
15	4034	-.474	.177	.135	-1.261
15	4035	-.573	.234	.112	-1.728
15	4036	-.561	.195	.048	-1.240
15	4037	-.691	.188	.032	-1.328
15	4038	-.710	.185	-.082	-1.599
15	4039	-.685	.165	-.176	-1.452
15	4040	-.676	.169	-.188	-1.467
15	4041	-.291	.174	.296	-1.192
15	4042	-.313	.188	.201	-1.122
15	4043	-.363	.211	.288	-1.513
15	4044	-.388	.195	.484	-1.176
15	4045	-.606	.215	.171	-1.360
15	4046	-.759	.227	-.046	-1.659
15	4047	-.771	.219	-.160	-1.644
15	4048	-.764	.215	-.159	-1.635
15	4049	-.253	.146	.346	-.910
15	4050	-.265	.173	.206	-1.092
15	4051	-.259	.155	.265	-1.093
15	4052	-.239	.146	.258	-1.004
15	4053	-.321	.173	.202	-1.237
15	4054	-.530	.200	.094	-1.400
15	4055	-.878	.301	-.139	-2.266
15	4056	-.885	.291	-.148	-2.078
15	4057	-.264	.123	.091	-.869
15	4058	-.265	.130	.103	-.875
15	4059	-.297	.152	.121	-1.033
15	4060	-.301	.151	.207	-.899
15	4061	-.357	.157	.052	-.976
15	4062	-.375	.149	.007	-1.193
15	4063	-.378	.128	.014	-1.020
15	4064	-.462	.214	.026	-1.665
15	4065	-.276	.129	.127	-.978
15	4066	-.287	.154	.391	-1.097
15	4067	-.275	.110	.094	-.848
15	4068	-.328	.124	-.009	-1.017
15	4069	-.341	.114	-.044	-1.091
15	4070	-.290	.096	.023	-.756
15	4071	-.325	.170	.126	-1.136
15	4072	-.299	.129	.055	-1.032
15	4073	-.321	.116	.093	-.901
15	4074	-.342	.114	-.039	-.944
15	4075	-.341	.103	-.055	-.789
15	4076	-.303	.093	-.041	-.659
15	4077	-.298	.088	-.018	-.637
15	4078	-.340	.162	.046	-1.019
15	4079	-.330	.122	.025	-.832
15	4080	-.344	.111	.048	-.805
15	4081	-.365	.112	.014	-.880
15	4082	-.345	.103	-.016	-.793
15	4083	-.328	.095	.002	-.748
15	4084	-.306	.095	.026	-.735
15	4085	-.215	.113	.136	-.964
15	4086	-.229	.114	.128	-.765
15	4087	-.328	.125	.018	-.965
15	4088	-.388	.137	-.020	-1.054
15	4089	-.420	.144	-.077	-1.124
15	4090	-.395	.131	-.055	-.950
15	4091	-.397	.127	-.087	-.901
15	4092	-.168	.098	.124	-1.050
15	4093	-.173	.110	.168	-.807
15	4094	-.222	.136	.169	-.969
15	4095	-.292	.138	.069	-.857
15	4096	-.356	.140	.089	-1.096
15	4097	-.484	.195	-.082	-1.722
15	4098	-.468	.194	-.055	-1.647

APPENDIX A -- PRESSURE DATA: ENERGY CENTER II -- DENVER , COLORADO

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
15	4099	-.081	.091	.226	-.621
15	4100	-.137	.079	.258	-.575
15	4101	-.166	.067	.104	-.623
15	4102	-.184	.064	.053	-.486
15	4103	-.144	.064	.127	-.609
15	4104	-.121	.071	.175	-.412
15	4105	-.142	.066	.119	-.485
15	4106	-.157	.062	.046	-.470
15	4107	-.179	.080	.083	-.845
15	4108	-.188	.082	.097	-.507
15	4109	-.268	.120	.107	-.831
15	4110	-.350	.153	.106	-1.181
15	4111	-.412	.161	.099	-1.239
15	4112	-.446	.166	-.078	-1.291
15	4113	-.435	.164	-.063	-1.432
15	4114	-.189	.070	.075	-.482
15	4115	-.268	.093	.023	-.641
15	5001	-.436	.140	.128	-.972
15	5002	-.352	.116	.138	-.760
15	5003	-.549	.128	-.094	-1.095
15	5004	-.579	.127	-.206	-1.145
15	5005	-.509	.089	-.238	-.898
15	5006	-.600	.109	-.325	-1.024
15	5007	-.411	.144	-.105	-1.011
15	5008	-.662	.150	.005	-1.391
15	5009	-.632	.121	-.175	-1.039
15	5010	-.623	.133	-.232	-1.056
15	5011	-.200	.263	.472	-.894
15	5012	-.735	.144	-.330	-1.302
15	5013	-.856	.123	-.434	-1.338
15	5014	-.902	.127	-.451	-1.464
15	5015	-.742	.167	-.152	-1.321
15	5016	-.656	.247	.070	-1.310
15	5017	-.647	.150	-.325	-1.787
15	5018	-1.019	.201	-.527	-1.946
15	5100	-.201	.087	.049	-.642
15	5101	-.268	.094	-.014	-.693
15	5102	-.147	.060	.058	-.380
15	5103	-.077	.074	.198	-.478
15	5104	-.026	.104	.344	-.502
15	5105	-.099	.041	.065	-.225
15	5106	-.086	.040	.076	-.211
30	1001	-.585	.111	-.289	-1.114
30	1002	-1.125	.272	-.362	-2.313
30	1003	-.160	.108	.257	-.602
30	1004	.046	.112	.476	-.396
30	1005	.111	.122	.549	-.380
30	1006	.103	.127	.551	-.363
30	1007	.114	.131	.484	-.366
30	1008	.147	.141	.642	-.349
30	1009	.207	.163	.671	-.495
30	1010	.099	.188	.654	-.794
30	1011	-.676	.179	-.209	-1.317
30	1012	-1.147	.271	-.327	-1.983
30	1013	-.167	.129	.462	-.723
30	1014	.144	.137	.697	-.344
30	1015	.326	.160	.841	-.201
30	1016	.372	.168	.885	-.166
30	1017	.414	.170	.868	-.085
30	1018	.434	.182	.877	-.128
30	1019	.394	.192	.895	-.249
30	1020	.140	.219	.799	-.692
30	1021	-.728	.198	-.266	-1.556
30	1022	-1.206	.287	-.326	-2.255
30	1023	-.179	.128	.330	-.596
30	1024	.169	.123	.613	-.282
30	1025	.416	.148	.929	-.120
30	1026	.491	.160	.937	-.070
30	1027	.481	.188	1.009	-.036
30	1028	.471	.192	1.077	-.116
30	1029	.372	.202	.936	-.206
30	1030	.030	.262	.826	-.878
30	1031	-.733	.206	-.239	-1.684
30	1032	-1.240	.305	-.427	-2.314
30	1033	-.192	.144	.301	-.707
30	1034	.140	.139	.542	-.289
30	1035	.386	.167	.956	-.111
30	1036	.459	.179	1.096	-.070
30	1037	.486	.176	1.009	.031
30	1038	.459	.180	.995	.005
30	1039	.330	.193	.920	-.298
30	1040	-.017	.253	.751	-.958
30	1041	-.733	.225	-.249	-1.719
30	1042	-1.222	.315	-.217	-2.374
30	1043	-.195	.158	.384	-.718
30	1044	.140	.143	.626	-.349
30	1045	.375	.162	.999	-.090
30	1046	.443	.172	1.030	-.016
30	1047	.459	.173	1.017	.029
30	1048	.415	.171	.979	-.011
30	1049	.280	.189	.925	-.249
30	1050	-.057	.261	.738	-1.008
30	1051	-.702	.240	-.090	-2.150
30	1052	-1.208	.334	-.340	-2.574
30	1053	-.181	.173	.303	-.741
30	1054	.121	.146	.601	-.344
30	1055	.314	.154	.900	-.106
30	1056	.357	.156	.858	-.043
30	1057	.354	.145	1.017	.018
30	1058	.296	.143	.759	-.043
30	1059	.166	.164	.784	-.323
30	1060	-.135	.247	.731	-.883
30	1061	-.624	.202	-.177	-1.601
30	1062	-1.051	.343	.054	-2.208
30	1063	-.156	.162	.397	-.739
30	1064	.089	.134	.583	-.346
30	1065	.239	.133	.685	-.088
30	1066	.271	.129	.722	-.011
30	1067	.258	.117	.868	-.027
30	1068	.217	.110	.743	-.052
30	1069	.128	.130	.638	-.240
30	1070	-.111	.233	.583	-.744
30	1071	-.382	.110	-.063	-.791
30	1072	-.744	.270	.114	-1.809
30	1073	-.141	.124	.254	-.589
30	1074	.039	.102	.403	-.241
30	1075	.132	.104	.579	-.165
30	1076	.163	.095	.556	-.082
30	1077	.157	.088	.594	-.109
30	1078	.131	.091	.526	-.153
30	1079	.091	.114	.671	-.303
30	1080	-.078	.187	.683	-.592
30	1081	.126	.090	.590	-.113
30	1082	.042	.126	.506	-.352
30	1083	.071	.109	.538	-.315
30	1084	-.010	.103	.389	-.392
30	1085	.141	.103	.661	-.125
30	1086	.143	.114	.698	-.195
30	1087	.011	.133	.658	-.390
30	1088	.042	.121	.490	-.319
30	1089	-.053	.105	.387	-.424
30	1090	.141	.119	.574	-.396
30	1091	.231	.134	.786	-.327
30	1092	.243	.139	.768	-.188
30	1093	.252	.137	.773	-.186
30	1094	.271	.146	.809	-.273
30	1095	.178	.132	.605	-.336
30	1096	-.024	.127	.486	-.441
30	1097	-.087	.082	.228	-.387
30	1098	.070	.082	.476	-.128
30	1099	.185	.088	.554	-.026
30	1100	.203	.093	.616	-.031
30	1101	.202	.085	.608	-.070
30	1102	.182	.087	.581	-.056
30	1103	.064	.097	.473	-.225
30	1104	-.109	.112	.490	-.439
30	1105	-.106	.081	.228	-.450
30	1106	.033	.070	.319	-.217
30	1107	.137	.066	.427	-.021
30	1108	.159	.069	.448	-.011

APPENDIX A -- PRESSURE DATA: ENERGY CENTER II -- DENVER , COLORADO

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
30	1109	.153	.073	.473	-.033
30	1110	.114	.072	.448	-.103
30	1111	.206	.008	.234	.179
30	1112	.337	.018	.380	.291
30	1113	-.133	.094	.345	-.510
30	1114	.006	.066	.350	-.235
30	1115	.156	.063	.415	-.005
30	1116	.211	.078	.539	.020
30	1117	.283	.074	.543	.007
30	1118	.171	.063	.408	-.019
30	1119	.019	.053	.204	-.155
30	1120	-.119	.086	.197	-.425
30	1121	-.089	.082	.206	-.392
30	1122	-.024	.067	.236	-.238
30	1123	.050	.039	.194	-.078
30	1124	.302	.110	.726	.043
30	1125	.238	.099	.636	-.024
30	1126	-.040	.052	.164	-.205
30	1127	-.038	.035	.080	-.137
30	1128	-.111	.057	.081	-.348
30	1129	.114	.068	.407	-.050
30	1130	.210	.085	.524	.012
30	1131	.307	.085	.582	.105
30	1132	.271	.105	.650	.050
30	1133	.104	.070	.414	-.069
30	1134	.025	.057	.267	-.131
30	1135	.180	.079	.470	-.023
30	1136	.262	.110	.722	-.002
30	1137	.344	.129	.887	.038
30	1138	.310	.119	.862	.040
30	1139	.155	.066	.365	-.023
30	1140	.038	.074	.369	-.195
30	1141	.201	.103	.739	-.110
30	2001	-.519	.274	.284	-1.482
30	2002	-.639	.155	-.135	-1.230
30	2003	-1.229	.341	-.526	-3.042
30	2004	-.898	.167	-.405	-1.444
30	2005	-.529	.137	-.252	-1.125
30	2006	-.380	.078	-.187	-1.021
30	2007	-.364	.057	-.181	-.853
30	2008	-.450	.067	-.237	-.824
30	2009	-.635	.323	.289	-1.789
30	2010	-.603	.144	-.110	-1.144
30	2011	-1.056	.213	-.506	-1.902
30	2012	-1.039	.222	-.165	-1.839
30	2013	-.568	.201	-.166	-1.267
30	2014	-.355	.097	-.147	-.960
30	2015	-.356	.056	-.191	-.793
30	2016	-.446	.062	-.266	-.721
30	2017	-.705	.347	.284	-2.232

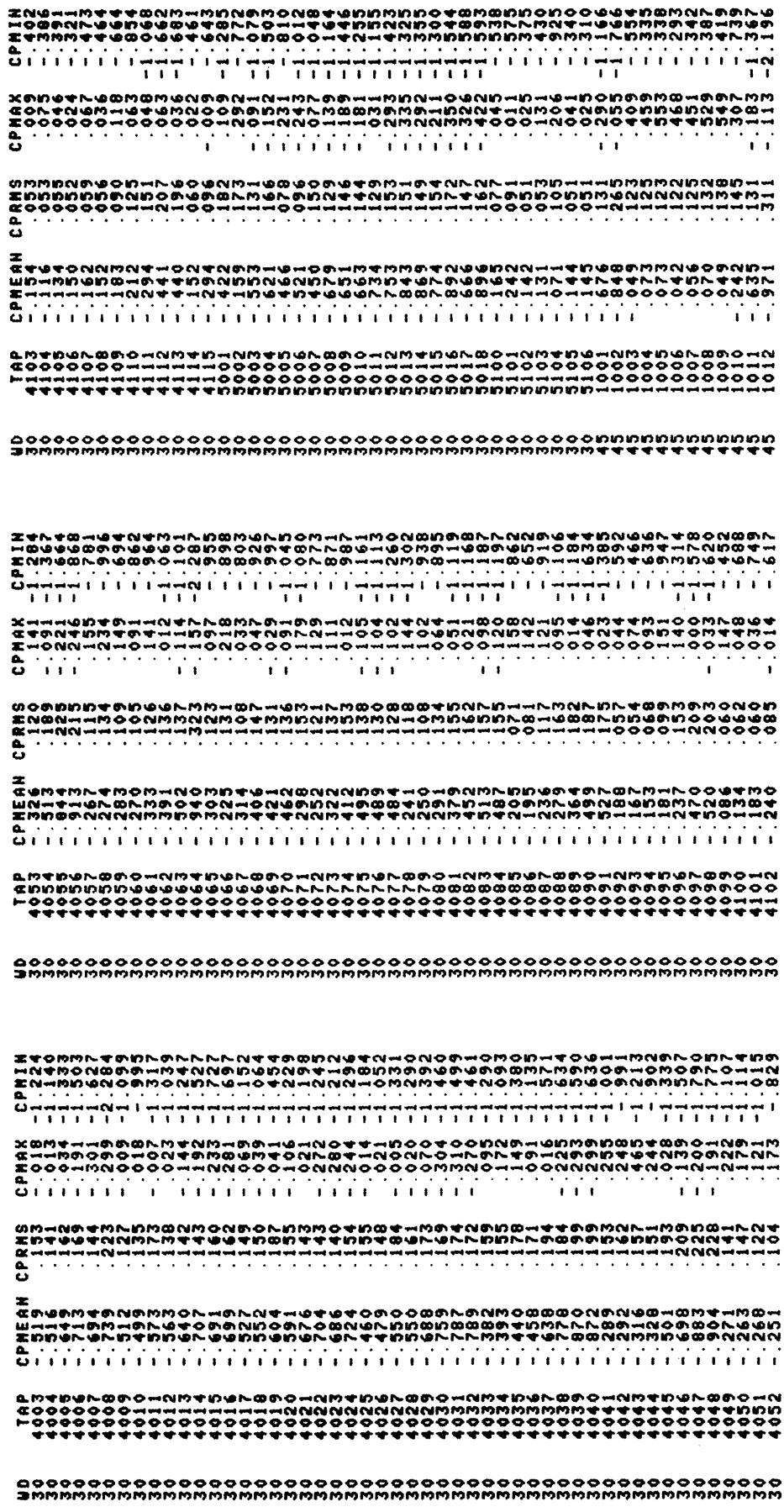
WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
30	2018	-.548	.121	-.072	-1.150
30	2019	-.986	.174	-.503	-1.728
30	2020	-.965	.185	-.266	-1.600
30	2021	-.656	.259	-.128	-1.337
30	2022	-.398	.153	-.133	-1.042
30	2023	-.382	.070	-.192	-.805
30	2024	-.452	.081	-.217	-.828
30	2025	-.771	.352	-.246	-1.886
30	2026	-.500	.126	-.127	-1.059
30	2027	-.945	.162	-.501	-1.645
30	2028	-.926	.175	-.246	-1.540
30	2029	-.621	.258	-.091	-1.301
30	2030	-.404	.176	-.115	-1.289
30	2031	-.379	.083	-.195	-.782
30	2032	-.468	.082	-.248	-.820
30	2033	-.826	.365	.484	-2.262
30	2034	-.500	.141	.052	-1.322
30	2035	-.931	.167	-.443	-1.731
30	2036	-.911	.177	-.143	-1.683
30	2037	-.624	.264	-.049	-1.343
30	2038	-.417	.193	-.094	-1.174
30	2039	-.379	.099	-.125	-.861
30	2040	-.475	.088	-.221	-.764
30	2041	-.813	.381	.304	-2.108
30	2042	-.496	.161	.049	-1.399
30	2043	-.864	.189	-.302	-1.701
30	2044	-.819	.207	-.080	-1.500
30	2045	-.597	.273	-.058	-1.465
30	2046	-.402	.207	-.070	-1.374
30	2047	-.357	.114	-.100	-1.028
30	2048	-.463	.102	-.203	-1.113
30	2049	-.804	.406	.459	-2.082
30	2050	-.493	.179	.155	-1.500
30	2051	-.854	.215	-.162	-1.657
30	2052	-.780	.248	.105	-1.553
30	2053	-.482	.237	-.002	-1.521
30	2054	-.312	.129	-.009	-1.075
30	2055	-.307	.075	-.046	-.805
30	2056	-.421	.095	-.168	-.905
30	2057	-.692	.375	.346	-2.003
30	2058	-.509	.190	.164	-1.207
30	2059	-1.006	.355	-.102	-2.353
30	2060	-.529	.160	.002	-1.156
30	2061	-.437	.177	.007	-1.284
30	2062	-.371	.169	-.023	-1.275
30	2063	-.330	.123	-.084	-1.044
30	2064	-.425	.101	-.154	-.970
30	2065	-.529	.133	-.063	-1.116
30	2066	-.516	.119	-.115	-1.024
30	2067	-.482	.156	.102	-1.009

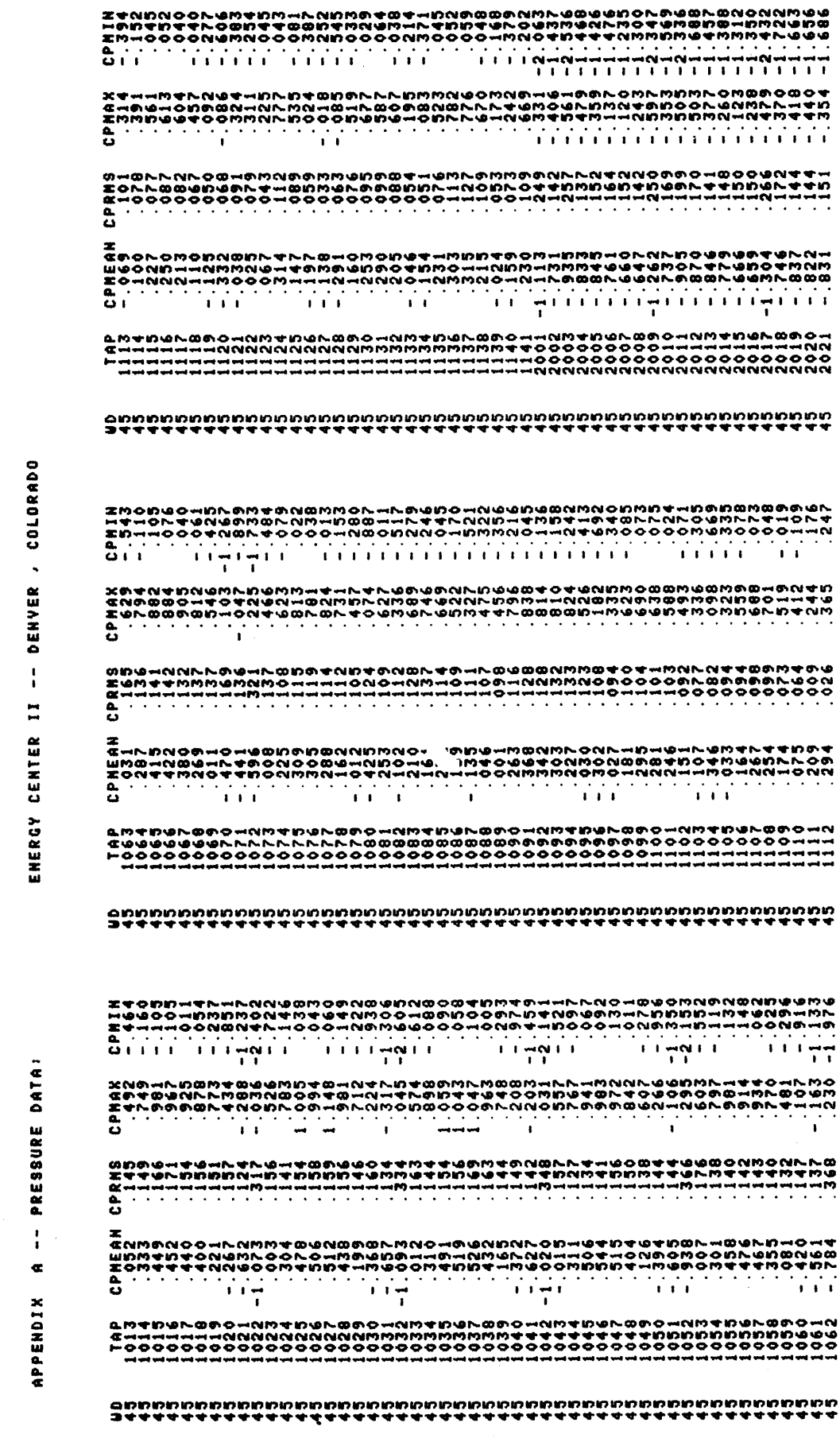
WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
30	2068	-.420	.191	.170	-1.077
30	2069	-.375	.115	-.139	-.738
30	2070	-.254	.178	.155	-1.108
30	2071	-.518	.114	-.110	-1.010
30	2072	-.538	.120	-.139	-1.030
30	2073	-.522	.169	.028	-1.235
30	2074	-.450	.205	.066	-1.132
30	2075	-.355	.181	.009	-1.084
30	2076	-.307	.139	-.036	-.950
30	2077	-.335	.100	-.019	-.929
30	2078	-.532	.126	-.129	-1.141
30	2079	-.535	.133	.000	-1.028
30	2080	-.493	.180	.022	-1.082
30	2081	-.427	.211	.058	-1.153
30	2082	-.343	.181	.005	-1.186
30	2083	-.298	.118	-.030	-.861
30	2084	-.333	.099	-.080	-1.104
30	2085	-.524	.184	-.047	-1.306
30	2086	-.523	.221	.056	-1.376
30	2087	-.446	.265	.063	-1.525
30	2088	-.305	.200	.049	-1.187
30	2089	-.232	.135	.087	-1.282
30	2090	-.228	.076	.164	-.768
30	2091	-.287	.064	.023	-.580
30	2092	-.568	.354	.275	-2.376
30	2093	-.360	.348	.374	-1.909
30	2094	-.124	.198	.326	-1.186
30	2095	-.090	.118	.306	-.931
30	2096	-.107	.078	.179	-.621
30	2097	-.187	.052	.049	-.641
30	2098	-.253	.055	-.052	-.681
30	2099	-.262	.084	.101	-.597
30	2100	-.274	.088	.104	-.629
30	2101	-.263	.097	.076	-.705
30	2102	-.259	.088	.077	-.700
30	2103	-.215	.067	.063	-.452
30	2104	-.202	.058	.017	-.473
30	2105	-.192	.051	-.025	-.402
30	2106	-.216	.047	-.034	-.379
30	2107	-.241	.048	-.092	-.471
30	2108	-.247	.052	-.070	-.639
30	2109	-.229	.064	.018	-.547
30	2110	-.161	.045	.034	-.304
30	2111	-.151	.044	.014	-.326
30	2112	-.152	.046	.024	-.330
30	2113	-.101	.052	.117	-.308
30	2114	-.062	.068	.188	-.471
30	2115	-.182	.053	.027	-.408
30	2116	-.160	.044	.024	-.408
30	3001	-.493	.079	-.256	-.875

APPENDIX A -- PRESSURE DATA: ENERGY CENTER II -- DENVER , COLORADO

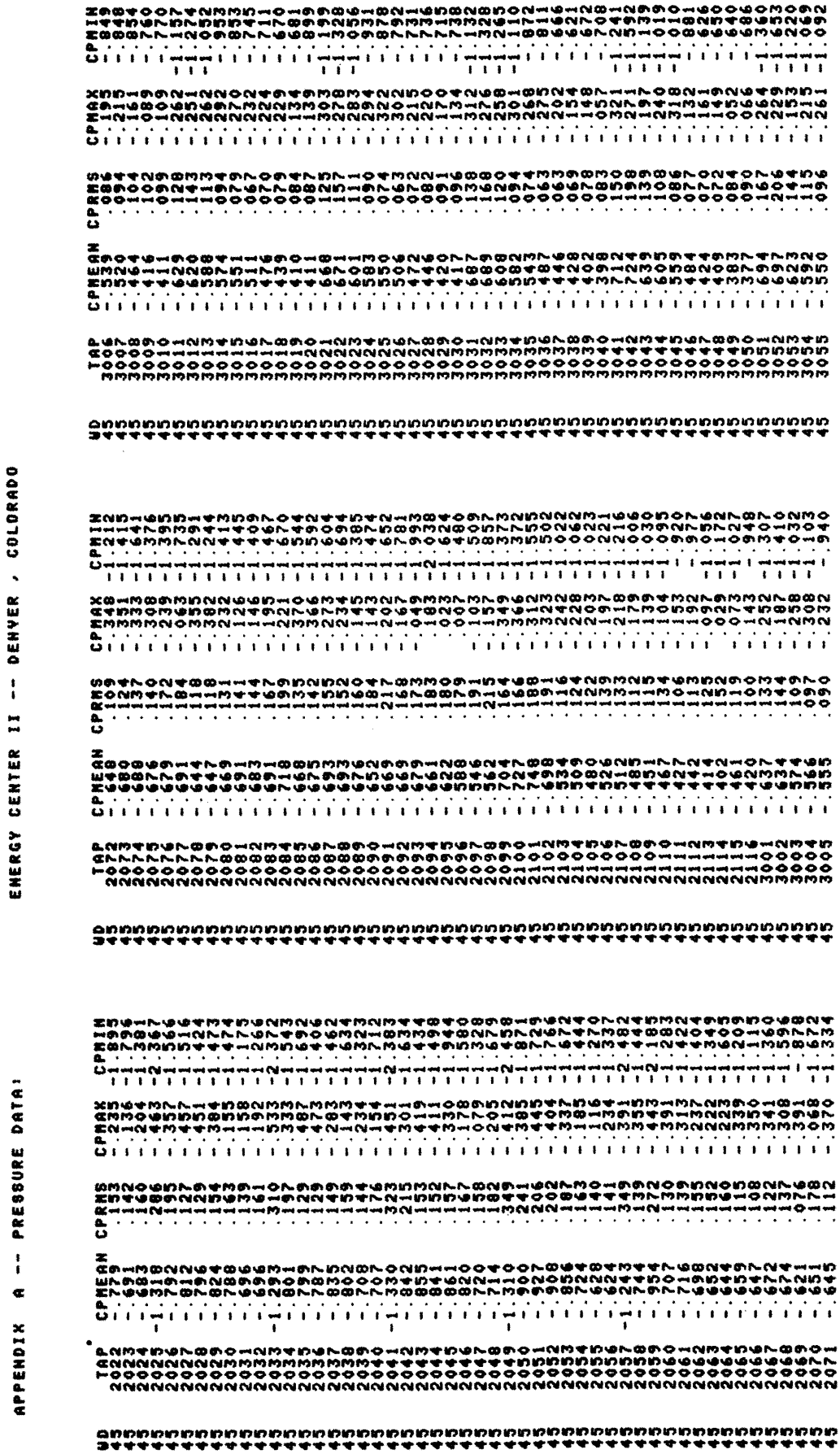
WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
30	3002	-.499	.084	-.239	-.836
30	3003	-.481	.079	-.207	-.855
30	3004	-.488	.078	-.216	-.876
30	3005	-.507	.102	-.216	-1.148
30	3006	-.476	.105	-.218	-1.437
30	3007	-.447	.086	-.164	-.751
30	3008	-.429	.099	-.045	-.749
30	3009	-.398	.114	-.011	-.781
30	3010	-.405	.116	.000	-.848
30	3011	-.499	.077	-.278	-.827
30	3012	-.495	.076	-.297	-.814
30	3013	-.482	.078	-.252	-.904
30	3014	-.485	.079	-.259	-.892
30	3015	-.490	.079	-.271	-.879
30	3016	-.470	.075	-.255	-.780
30	3017	-.461	.073	-.247	-.715
30	3018	-.431	.071	-.207	-.708
30	3019	-.404	.084	-.039	-.868
30	3020	-.418	.097	-.048	-1.149
30	3021	-.541	.095	-.316	-.971
30	3022	-.537	.094	-.283	-.985
30	3023	-.499	.092	-.283	-1.264
30	3024	-.502	.085	-.295	-.903
30	3025	-.505	.079	-.301	-.792
30	3026	-.501	.077	-.300	-.769
30	3027	-.498	.081	-.225	-.760
30	3028	-.451	.076	-.207	-.740
30	3029	-.414	.085	-.105	-.915
30	3030	-.430	.105	-.057	-.910
30	3031	-.565	.110	-.289	-1.148
30	3032	-.544	.102	-.285	-1.110
30	3033	-.523	.097	-.265	-.992
30	3034	-.526	.087	-.279	-.955
30	3035	-.537	.088	-.307	-1.002
30	3036	-.535	.088	-.252	-.869
30	3037	-.498	.077	-.223	-.841
30	3038	-.437	.074	-.161	-.744
30	3039	-.390	.085	-.123	-.820
30	3040	-.403	.105	-.014	-1.005
30	3041	-.581	.124	-.270	-1.090
30	3042	-.556	.110	-.251	-1.084
30	3043	-.542	.109	-.256	-1.125
30	3044	-.550	.103	-.259	-1.026
30	3045	-.575	.108	-.269	-1.086
30	3046	-.553	.103	-.257	-1.019
30	3047	-.491	.096	-.191	-.979
30	3048	-.393	.081	-.127	-.724
30	3049	-.326	.103	.064	-.956
30	3050	-.336	.128	.146	-.967
30	3051	-.562	.140	-.242	-1.394
30	3052	-.531	.129	-.229	-1.198
30	3053	-.348	.144	-.162	-1.455
30	3054	-.560	.144	-.204	-1.366
30	3055	-.605	.151	-.225	-1.232
30	3056	-.523	.148	-.057	-1.114
30	3057	-.405	.129	.049	-.902
30	3058	-.309	.097	.098	-.826
30	3059	-.263	.120	.118	-.981
30	3060	-.270	.133	.150	-.919
30	3061	-.521	.142	-.204	-1.250
30	3062	-.515	.139	-.184	-1.395
30	3063	-.523	.167	-.146	-1.606
30	3064	-.520	.159	-.177	-1.482
30	3065	-.468	.149	-.052	-1.275
30	3066	-.415	.148	.077	-1.158
30	3067	-.347	.119	.108	-.920
30	3068	-.282	.086	.075	-.738
30	3069	-.271	.112	.087	-.972
30	3070	-.284	.129	.116	-.985
30	3071	-.512	.121	-.191	-1.034
30	3072	-.453	.106	-.146	-.962
30	3073	-.392	.100	-.157	-.898
30	3074	-.417	.115	-.168	-1.039
30	3075	-.432	.117	-.102	-.943
30	3076	-.437	.128	-.077	-1.101
30	3077	-.405	.116	-.083	-.904
30	3078	-.341	.118	.030	-.890
30	3079	-.304	.129	.091	-.911
30	3080	-.290	.118	.071	-.826
30	3081	-.253	.095	.050	-.613
30	3082	-.172	.077	.114	-.503
30	3083	-.367	.077	-.131	-.749
30	3084	-.407	.092	-.173	-.932
30	3085	-.382	.082	-.141	-1.003
30	3086	-.249	.071	.036	-.650
30	3087	-.193	.077	.074	-.774
30	3088	-.190	.075	.166	-.477
30	3089	-.386	.093	-.160	-.992
30	3090	-.389	.089	-.154	-.826
30	3091	-.406	.079	-.191	-.993
30	3092	-.371	.074	-.045	-.748
30	3093	-.334	.075	.021	-.621
30	3094	-.238	.061	.037	-.486
30	3095	-.204	.073	.066	-.684
30	3096	-.210	.081	.047	-.641
30	3097	-.410	.082	-.204	-.927
30	3098	-.404	.080	-.184	-.845
30	3099	-.427	.077	-.205	-.786
30	3100	-.400	.076	-.157	-.825
30	3101	-.333	.068	-.062	-.618
30	3102	-.238	.059	.009	-.477
30	3103	-.204	.074	.082	-.513
30	3104	-.215	.088	.088	-.710
30	3105	-.452	.089	-.197	-.827
30	3106	-.452	.092	-.163	-.831
30	3107	-.469	.093	-.187	-.875
30	3108	-.371	.076	-.144	-.719
30	3109	-.271	.061	.005	-.501
30	3110	-.186	.050	.018	-.421
30	3111	-.166	.066	.057	-.476
30	3112	-.164	.071	.121	-.524
30	3113	-.474	.123	-.206	-1.317
30	3114	-.479	.123	-.184	-1.045
30	3115	-.400	.100	-.116	-.836
30	3116	-.309	.078	-.031	-.596
30	3117	-.235	.062	.046	-.490
30	3118	-.157	.059	.113	-.345
30	3119	-.166	.065	.098	-.447
30	3120	-.152	.065	.092	-.405
30	3122	-.223	.036	-.130	-.436
30	3123	-.205	.038	-.045	-.329
30	3124	-.181	.054	.089	-.371
30	3125	-.419	.106	-.119	-.900
30	3126	-.495	.103	-.276	-.870
30	3127	-.390	.098	-.119	-1.010
30	3128	-.373	.089	-.134	-.687
30	3129	-.422	.116	-.152	-1.112
30	3130	-.388	.070	-.201	-.728
30	3131	-.209	.075	.076	-.436
30	3132	-.326	.110	-.007	-.873
30	3133	-.506	.198	-.021	-1.644
30	3134	-.172	.047	.011	-.343
30	3135	-.208	.084	.040	-.631
30	3136	-.130	.067	.153	-.440
30	3137	-.215	.073	-.014	-.548
30	3138	-.212	.047	-.084	-.386
30	3139	-.200	.072	.081	-.529
30	3140	-.456	.118	-.096	-.871
30	3141	-.365	.074	-.150	-.646
30	3142	-.320	.044	-.162	-.461
30	3143	-.177	.058	.031	-.498
30	3144	-.228	.186	.419	-.897
30	3145	-.168	.081	.207	-.491
30	3146	-.183	.032	-.039	-.285
30	3147	-.068	.059	.210	-.276
30	3148	-.039	.066	.280	-.237
30	3149	-.006	.078	.391	-.214
30	3150	-.116	.032	-.014	-.231
30	4001	-.473	.124	-.062	-.955
30	4002	-.507	.137	-.070	-1.052

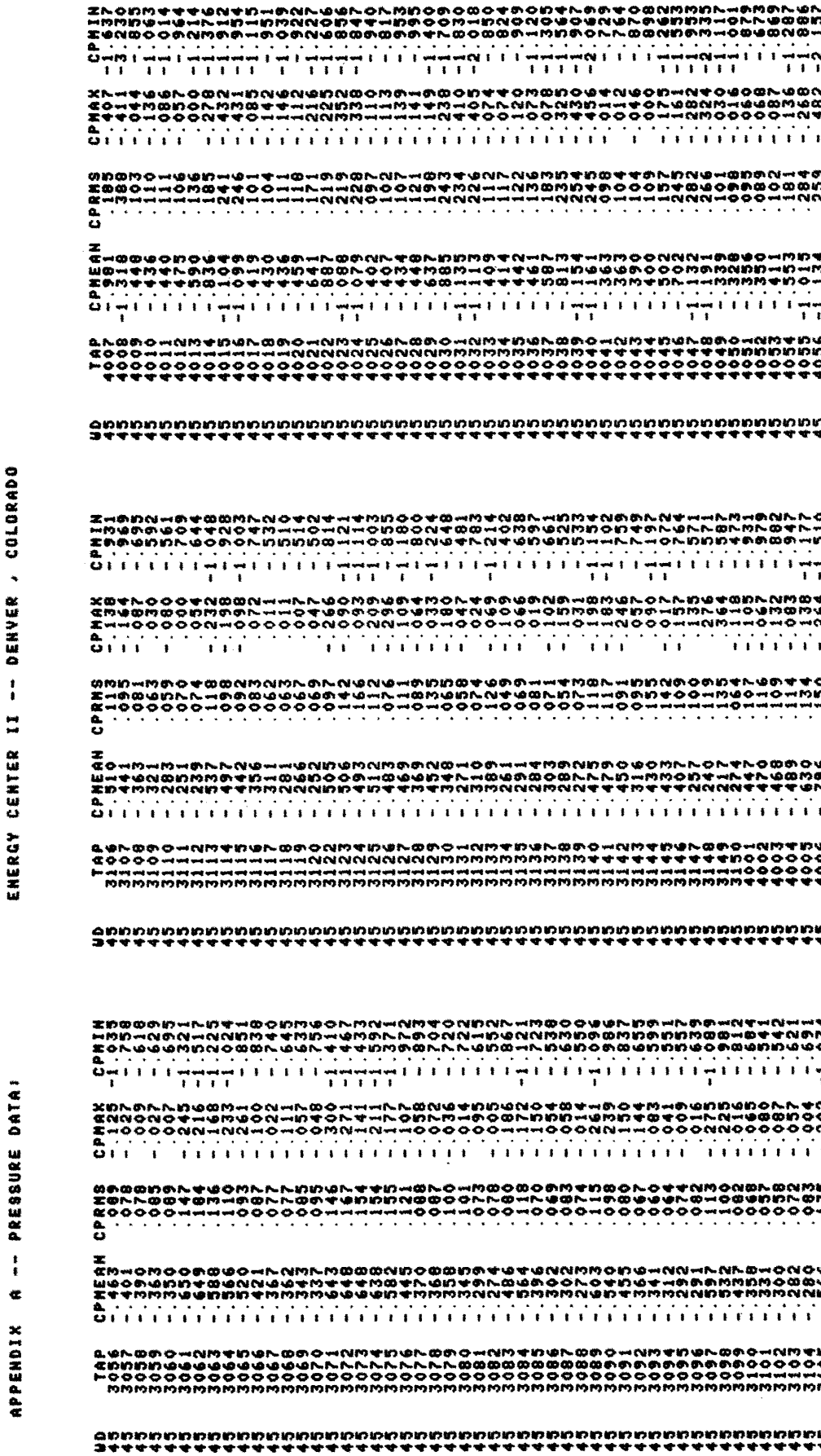
APPENDIX A -- PRESSURE DATA: EMERGY CENTER II -- DENVER , COLORADO

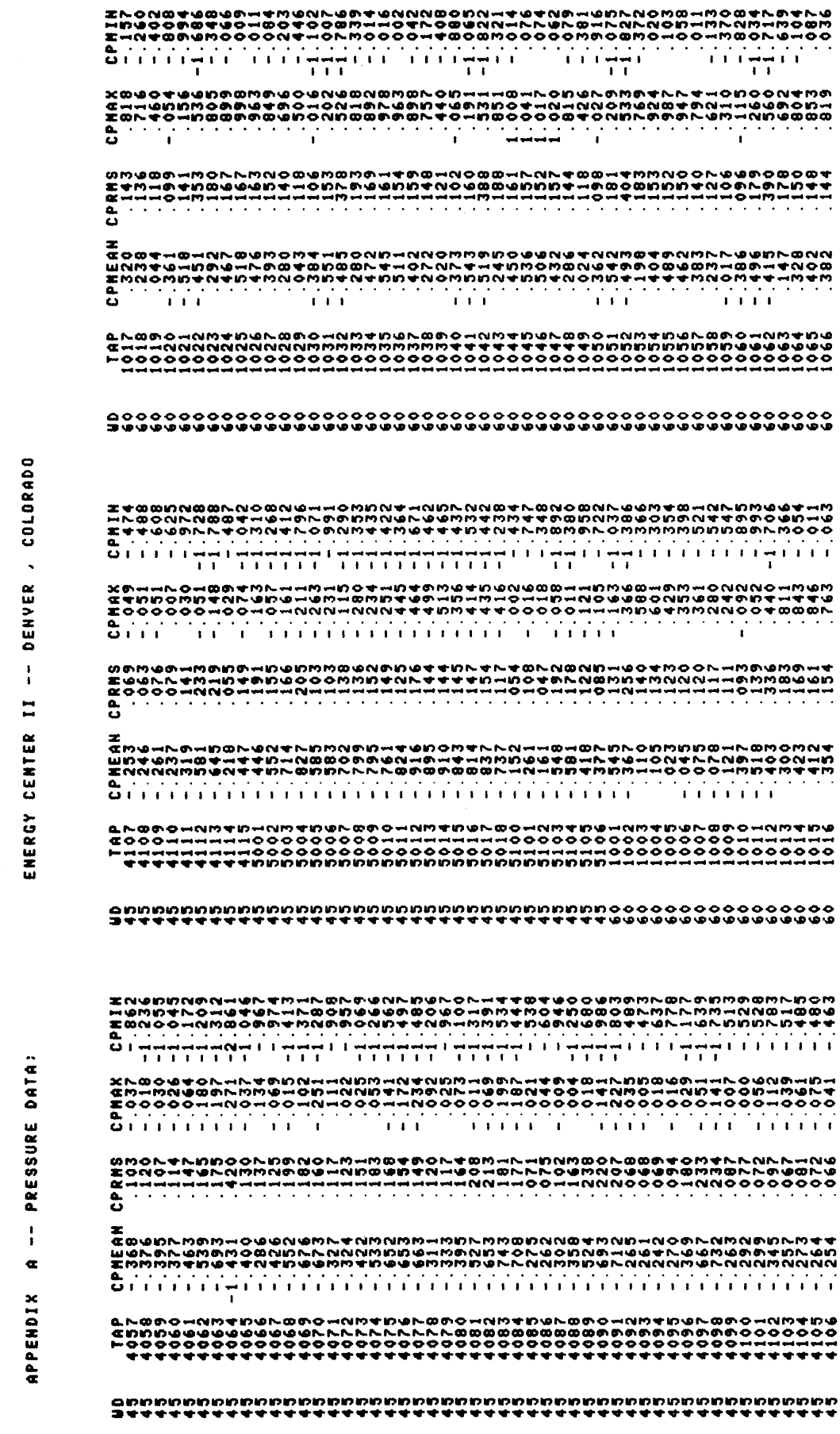




APPENDIX A -- PRESSURE DATA: ENERGY CENTER II -- DENVER , COLORADO


APPENDIX A -- PRESSURE DATA:
ENERGY CENTER II -- DENVER , COLORADO


APPENDIX A -- PRESSURE DATA:
ENERGY CENTER II -- DENVER , COLORADO


APPENDIX A -- PRESSURE DATA:
ENERGY CENTER II -- DENVER , COLORADO
CPMIN
CPMAX
CPRMS
CPMEAN
TAP
UD

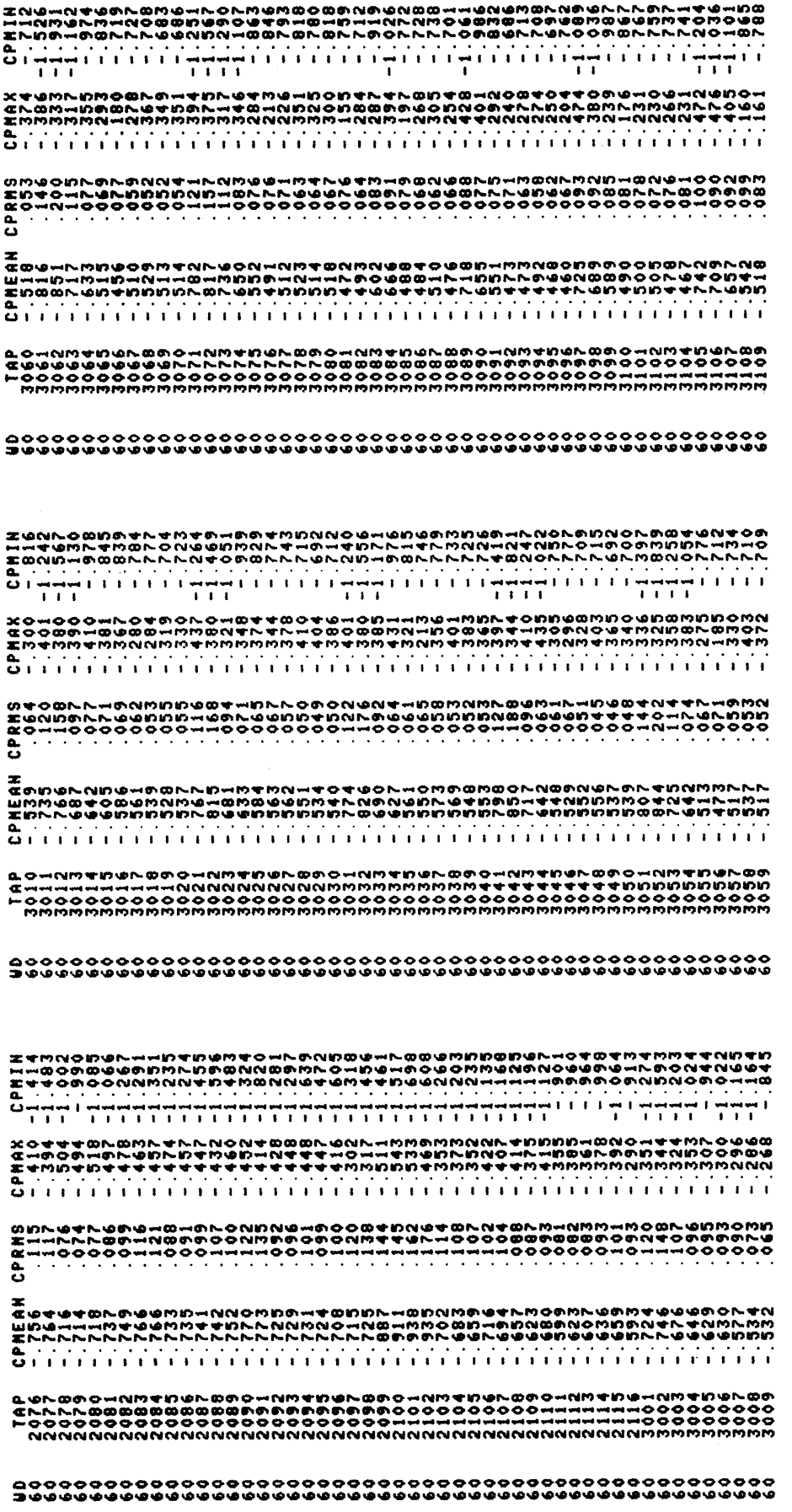
APPENDIX A -- PRESSURE DATA: ENERGY CENTER II -- DENVER , COLORADO

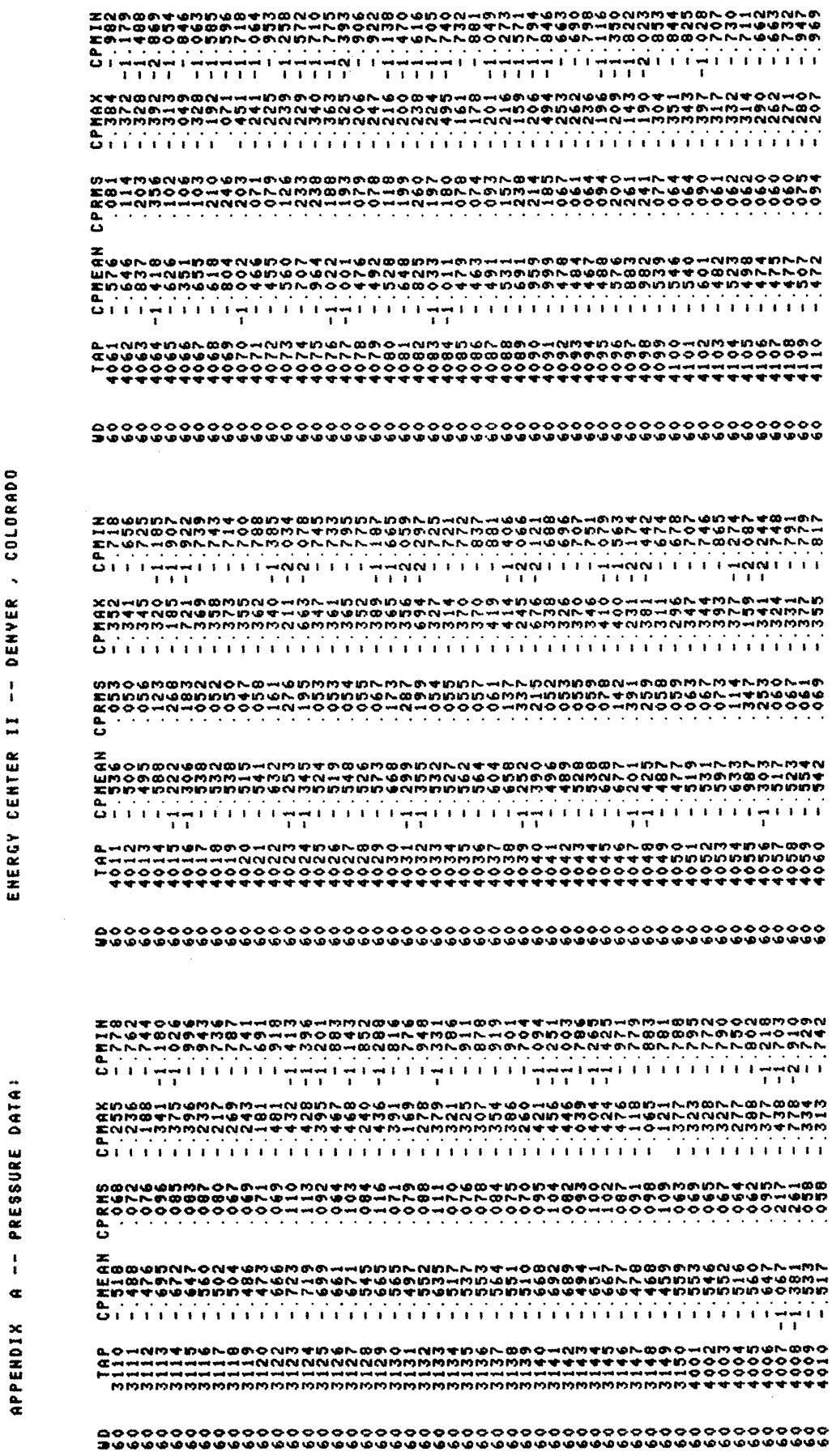
WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
60	1067	.321	.136	.791	.004
60	1068	.192	.125	.626	-.133
60	1069	-.050	.104	.381	-.379
60	1070	-.423	.104	-.110	-.972
60	1071	-.418	.174	.202	-.899
60	1072	-.383	.329	.408	-1.604
60	1073	.078	.163	.619	-.441
60	1074	.250	.127	.716	-.115
60	1075	.315	.124	.736	-.031
60	1076	.290	.122	.731	-.007
60	1077	.244	.111	.650	-.044
60	1078	.093	.105	.445	-.169
60	1079	-.089	.089	.238	-.384
60	1080	-.466	.083	-.198	-.875
60	1081	.191	.104	.595	-.132
60	1082	-.192	.102	.225	-.556
60	1083	.225	.137	.890	-.373
60	1084	.215	.168	.828	-.358
60	1085	.277	.118	.757	-.200
60	1086	.157	.106	.635	-.259
60	1087	-.225	.100	.226	-.592
60	1088	-.020	.102	.413	-.434
60	1089	-.031	.128	.439	-.494
60	1090	.266	.126	.759	-.135
60	1091	.358	.133	.908	-.047
60	1092	.315	.129	.883	-.177
60	1093	.284	.132	.829	-.085
60	1094	.174	.125	.638	-.228
60	1095	-.126	.092	.240	-.482
60	1096	-.411	.068	-.168	-.699
60	1097	-.064	.117	.522	-.458
60	1098	.187	.116	.697	-.135
60	1099	.303	.109	.722	.019
60	1100	.282	.106	.713	.041
60	1101	.202	.093	.581	-.035
60	1102	.100	.087	.574	-.107
60	1103	-.183	.070	.172	-.374
60	1104	-.432	.067	-.159	-.667
60	1105	-.070	.103	.281	-.468
60	1106	.141	.095	.576	-.164
60	1107	.229	.090	.557	.021
60	1108	.206	.088	.522	.005
60	1109	.157	.089	.463	-.061
60	1110	.049	.078	.382	-.173
60	1111	.219	.008	.249	.188
60	1112	-.038	.019	.007	-.079
60	1113	-.127	.107	.269	-.453
60	1114	.070	.092	.508	-.266
60	1115	.200	.089	.692	.007
60	1116	.216	.090	.740	.014

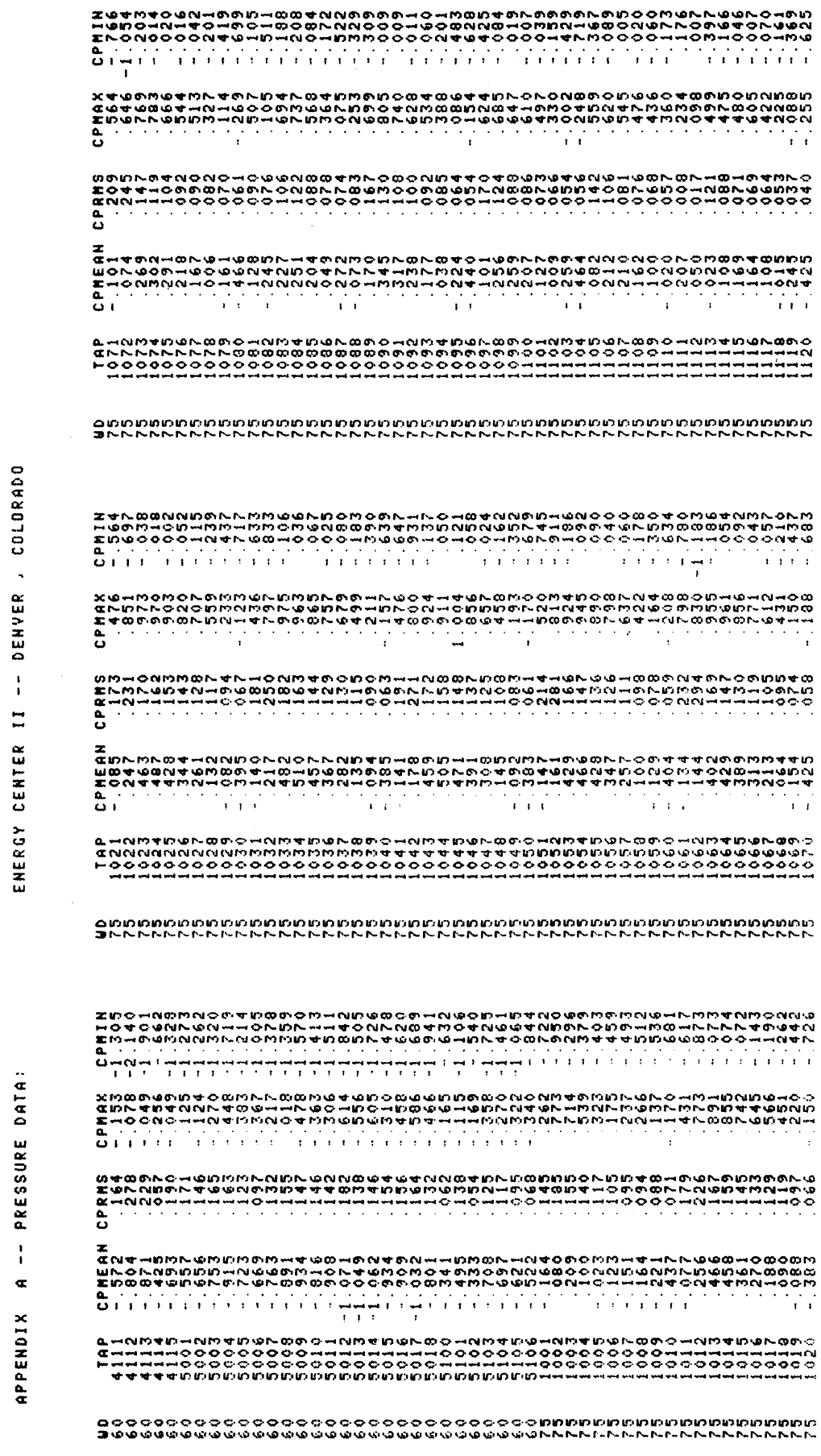
WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
60	1117	.155	.073	.531	-.092
60	1118	.042	.061	.315	-.171
60	1119	-.197	.047	-.021	-.414
60	1120	-.405	.055	-.202	-.688
60	1121	-.124	.118	.322	-.556
60	1122	-.036	.091	.304	-.362
60	1123	-.005	.046	.166	-.109
60	1124	.284	.103	.738	.063
60	1125	.099	.093	.469	-.087
60	1126	-.284	.068	-.048	-.523
60	1127	-.198	.045	-.018	-.354
60	1128	-.374	.067	-.142	-.612
60	1129	.092	.066	.334	-.082
60	1130	.207	.081	.492	-.036
60	1131	.256	.089	.497	.032
60	1132	.149	.099	.494	-.087
60	1133	-.122	.066	.123	-.293
60	1134	-.244	.058	-.022	-.427
60	1135	.136	.074	.444	-.049
60	1136	.277	.107	.692	.014
60	1137	.309	.120	.798	.048
60	1138	.190	.108	.622	-.084
60	1139	-.093	.066	.136	-.264
60	1140	-.278	.079	.014	-.521
60	1141	.217	.118	.697	-.099
60	2001	-.945	.202	-.541	-2.109
60	2002	-.770	.097	-.498	-1.233
60	2003	-.760	.094	-.452	-1.306
60	2004	-.759	.098	-.445	-1.357
60	2005	-.777	.146	-.368	-1.636
60	2006	-.743	.147	-.282	-1.622
60	2007	-.727	.139	-.226	-1.407
60	2008	-.751	.163	-.306	-1.566
60	2009	-.918	.227	-.527	-1.814
60	2010	-.779	.107	-.475	-1.497
60	2011	-.726	.102	-.454	-1.602
60	2012	-.724	.096	-.438	-1.376
60	2013	-.737	.116	-.422	-1.611
60	2014	-.727	.113	-.352	-1.301
60	2015	-.732	.123	-.337	-1.271
60	2016	-.764	.147	-.381	-1.563
60	2017	-.876	.249	-.470	-2.515
60	2018	-.778	.113	-.444	-1.516
60	2019	-.714	.090	-.409	-1.336
60	2020	-.706	.091	-.429	-1.321
60	2021	-.717	.103	-.442	-1.351
60	2022	-.717	.105	-.263	-1.276
60	2023	-.753	.118	-.353	-1.404
60	2024	-.767	.151	-.315	-1.468
60	2025	-.826	.217	-.469	-2.086

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
60	2026	-.778	.118	-.457	-1.463
60	2027	-.710	.090	-.480	-1.205
60	2028	-.700	.093	-.448	-1.216
60	2029	-.714	.095	-.448	-1.172
60	2030	-.728	.099	-.417	-1.298
60	2031	-.761	.109	-.433	-1.334
60	2032	-.779	.133	-.405	-1.416
60	2033	-.801	.217	-.453	-1.945
60	2034	-.757	.117	-.488	-1.421
60	2035	-.698	.090	-.428	-1.163
60	2036	-.690	.093	-.421	-1.234
60	2037	-.709	.105	-.415	-1.591
60	2038	-.728	.109	-.405	-1.343
60	2039	-.766	.122	-.363	-1.439
60	2040	-.781	.144	-.362	-1.718
60	2041	-.808	.209	-.533	-2.091
60	2042	-.765	.121	-.478	-1.556
60	2043	-.712	.096	-.461	-1.268
60	2044	-.705	.098	-.464	-1.299
60	2045	-.725	.113	-.467	-1.613
60	2046	-.737	.116	-.424	-1.643
60	2047	-.770	.129	-.353	-1.621
60	2048	-.784	.148	-.288	-1.828
60	2049	-.847	.208	-.514	-1.964
60	2050	-.802	.132	-.450	-1.523
60	2051	-.739	.103	-.475	-1.357
60	2052	-.732	.107	-.486	-1.409
60	2053	-.736	.117	-.389	-1.473
60	2054	-.736	.116	-.287	-1.499
60	2055	-.760	.126	-.241	-1.420
60	2056	-.779	.150	-.281	-1.580
60	2057	-.914	.232	-.545	-2.275
60	2058	-.781	.109	-.471	-1.281
60	2059	-.753	.107	-.491	-1.247
60	2060	-.732	.093	-.491	-1.238
60	2061	-.751	.097	-.479	-1.271
60	2062	-.756	.110	-.471	-1.499
60	2063	-.775	.122	-.393	-1.394
60	2064	-.790	.142	-.421	-1.519
60	2065	-.756	.086	-.538	-1.254
60	2066	-.743	.083	-.535	-1.099
60	2067	-.747	.085	-.515	-1.214
60	2068	-.743	.088	-.518	-1.162
60	2069	-.743	.072	-.562	-.996
60	2070	-.777	.120	-.379	-1.499
60	2071	-.728	.078	-.492	-1.025
60	2072	-.727	.077	-.464	-1.035
60	2073	-.729	.077	-.497	-1.092
60	2074	-.730	.082	-.469	-1.167
60	2075	-.740	.090	-.445	-1.088

APPENDIX A -- PRESSURE DATA: ENERGY CENTER II -- DENVER , COLORADO




APPENDIX A -- PRESSURE DATA: ENERGY CENTER II -- DENVER , COLORADO
CPMIN
CPMAX
CPRMS
CPMEAN
TAP
WD


APPENDIX A -- PRESSURE DATA:
ENERGY CENTER II -- DENVER , COLORADO
WD
TAP
CPMEAN
CPRMS
CPMAX
CPMIN

APPENDIX A -- PRESSURE DATA: ENERGY CENTER II -- DENVER , COLORADO

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
75	1121	-.032	.129	.403	-.465
75	1122	.005	.094	.358	-.325
75	1123	.006	.048	.169	-.137
75	1124	.206	.075	.547	.019
75	1125	-.015	.059	.194	-.194
75	1126	-.343	.052	-.158	-.561
75	1127	-.237	.030	-.147	-.355
75	1128	-.394	.057	-.223	-.602
75	1129	.108	.073	.511	-.101
75	1130	.196	.078	.554	-.005
75	1131	.198	.074	.415	.044
75	1132	.045	.071	.401	-.132
75	1133	-.215	.046	-.095	-.357
75	1134	-.329	.042	-.172	-.456
75	1135	.141	.078	.449	-.032
75	1136	.251	.102	.662	.010
75	1137	.219	.097	.623	-.014
75	1138	.070	.079	.420	-.124
75	1139	-.210	.042	-.062	-.311
75	1140	-.373	.063	-.103	-.602
75	1141	.193	.106	.614	-.139
75	2001	-.700	.081	-.441	-1.172
75	2002	-.719	.089	-.436	-1.098
75	2003	-.663	.075	-.383	-1.278
75	2004	-.662	.078	-.402	-1.392
75	2005	-.664	.094	-.353	-1.232
75	2006	-.647	.096	-.330	-1.254
75	2007	-.640	.103	-.304	-1.232
75	2008	-.647	.117	-.250	-1.343
75	2009	-.629	.078	-.392	-1.211
75	2010	-.659	.077	-.407	-1.053
75	2011	-.622	.069	-.404	-.995
75	2012	-.616	.066	-.385	-.870
75	2013	-.617	.066	-.344	-.911
75	2014	-.624	.071	-.397	-1.028
75	2015	-.631	.079	-.344	-1.017
75	2016	-.647	.097	-.317	-1.258
75	2017	-.604	.071	-.371	-1.063
75	2018	-.621	.072	-.386	-1.027
75	2019	-.605	.067	-.378	-.879
75	2020	-.599	.065	-.398	-.891
75	2021	-.605	.068	-.422	-1.230
75	2022	-.618	.071	-.414	-1.052
75	2023	-.635	.075	-.418	-1.139
75	2024	-.643	.096	-.374	-1.595
75	2025	-.615	.078	-.388	-1.537
75	2026	-.624	.069	-.401	-.958
75	2027	-.606	.064	-.403	-.877
75	2028	-.602	.064	-.402	-.876
75	2029	-.618	.063	-.390	-.929

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
75	2030	-.630	.068	-.415	-1.067
75	2031	-.646	.073	-.443	-1.199
75	2032	-.664	.093	-.413	-1.541
75	2033	-.599	.066	-.393	-1.164
75	2034	-.607	.065	-.404	-.980
75	2035	-.592	.061	-.399	-.844
75	2036	-.589	.061	-.393	-.865
75	2037	-.608	.063	-.388	-.917
75	2038	-.621	.065	-.425	-.909
75	2039	-.642	.071	-.448	-.914
75	2040	-.656	.080	-.429	-1.096
75	2041	-.615	.071	-.400	-1.241
75	2042	-.622	.067	-.399	-1.091
75	2043	-.603	.061	-.392	-.933
75	2044	-.601	.060	-.409	-.937
75	2045	-.620	.063	-.437	-1.053
75	2046	-.639	.067	-.441	-1.114
75	2047	-.664	.077	-.438	-1.019
75	2048	-.682	.089	-.373	-1.197
75	2049	-.635	.070	-.437	-1.185
75	2050	-.639	.067	-.434	-1.114
75	2051	-.622	.061	-.424	-.975
75	2052	-.618	.061	-.422	-.975
75	2053	-.636	.066	-.411	-1.074
75	2054	-.650	.070	-.460	-.977
75	2055	-.672	.078	-.455	-1.003
75	2056	-.687	.087	-.429	-1.119
75	2057	-.673	.085	-.393	-1.408
75	2058	-.661	.072	-.401	-1.079
75	2059	-.643	.067	-.389	-1.098
75	2060	-.649	.066	-.400	-1.029
75	2061	-.661	.061	-.475	-.910
75	2062	-.671	.065	-.492	-.961
75	2063	-.687	.074	-.457	-1.224
75	2064	-.695	.083	-.427	-1.292
75	2065	-.678	.064	-.473	-.926
75	2066	-.661	.065	-.451	-.899
75	2067	-.667	.063	-.469	-.942
75	2068	-.670	.062	-.469	-.930
75	2069	-.682	.048	-.513	-.859
75	2070	-.688	.074	-.463	-1.048
75	2071	-.654	.062	-.475	-.953
75	2072	-.651	.060	-.440	-.887
75	2073	-.658	.061	-.468	-.933
75	2074	-.661	.062	-.472	-.916
75	2075	-.676	.065	-.492	-.923
75	2076	-.684	.069	-.503	-1.042
75	2077	-.692	.068	-.505	-1.037
75	2078	-.657	.052	-.595	-.838
75	2079	-.656	.051	-.504	-.830

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
75	2080	-.659	.052	-.514	-.840
75	2081	-.666	.055	-.498	-.891
75	2082	-.673	.057	-.503	-.961
75	2083	-.672	.059	-.499	-.954
75	2084	-.669	.060	-.496	-.957
75	2085	-.664	.060	-.475	-.893
75	2086	-.663	.061	-.432	-.906
75	2087	-.664	.061	-.450	-.909
75	2088	-.664	.062	-.449	-.977
75	2089	-.666	.062	-.480	-.964
75	2090	-.669	.070	-.489	-1.100
75	2091	-.668	.070	-.499	-1.091
75	2092	-.642	.062	-.474	-.970
75	2093	-.649	.068	-.414	-.919
75	2094	-.650	.066	-.418	-.944
75	2095	-.652	.064	-.422	-.977
75	2096	-.654	.064	-.447	-1.020
75	2097	-.665	.075	-.458	-1.272
75	2098	-.667	.079	-.453	-1.329
75	2099	-.752	.115	-.433	-1.333
75	2100	-.774	.117	-.465	-1.348
75	2101	-.783	.132	-.489	-1.399
75	2102	-.739	.111	-.489	-1.272
75	2103	-.662	.083	-.341	-1.067
75	2104	-.661	.077	-.431	-1.116
75	2105	-.641	.074	-.399	-1.148
75	2106	-.667	.066	-.494	-.986
75	2107	-.643	.067	-.474	-.977
75	2108	-.639	.062	-.472	-1.019
75	2109	-.615	.061	-.449	-1.076
75	2110	-.649	.064	-.487	-.940
75	2111	-.613	.061	-.464	-.912
75	2112	-.632	.061	-.467	-.934
75	2113	-.611	.062	-.438	-.968
75	2114	-.633	.064	-.453	-.969
75	2115	-.690	.070	-.489	-.997
75	2116	-.631	.063	-.440	-.905
75	3001	-.634	.085	-.359	-1.065
75	3002	-.643	.096	-.298	-1.166
75	3003	-.638	.084	-.346	-1.105
75	3004	-.633	.077	-.397	-1.022
75	3005	-.629	.074	-.406	-1.052
75	3006	-.630	.087	-.358	-1.422
75	3007	-.591	.074	-.332	-1.392
75	3008	-.597	.064	-.353	-.864
75	3009	-.581	.063	-.362	-.821
75	3010	-.591	.062	-.379	-.834
75	3011	-.628	.072	-.351	-.925
75	3012	-.618	.074	-.380	-1.002
75	3013	-.631	.068	-.341	-1.056

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
75	3014	-.625	.062	-.413	-.937
75	3015	-.622	.060	-.468	-.871
75	3016	-.622	.058	-.432	-.864
75	3017	-.612	.052	-.418	-.818
75	3018	-.601	.051	-.420	-.768
75	3019	-.574	.052	-.390	-.743
75	3020	-.582	.052	-.411	-.765
75	3021	-.644	.072	-.377	-1.118
75	3022	-.642	.078	-.420	-1.087
75	3023	-.635	.067	-.416	-.929
75	3024	-.629	.063	-.447	-.912
75	3025	-.626	.062	-.449	-.830
75	3026	-.625	.060	-.432	-.857
75	3027	-.633	.050	-.468	-.796
75	3028	-.629	.046	-.474	-.809
75	3029	-.583	.047	-.424	-.754
75	3030	-.587	.049	-.425	-.751
75	3031	-.644	.072	-.397	-1.095
75	3032	-.641	.075	-.425	-1.096
75	3033	-.649	.061	-.445	-1.010
75	3034	-.642	.055	-.481	-.892
75	3035	-.635	.055	-.484	-.843
75	3036	-.614	.061	-.368	-.822
75	3037	-.633	.053	-.445	-.834
75	3038	-.627	.049	-.477	-.809
75	3039	-.584	.050	-.406	-.784
75	3040	-.586	.051	-.400	-.788
75	3041	-.654	.073	-.379	-1.074
75	3042	-.657	.079	-.365	-1.032
75	3043	-.645	.058	-.427	-.877
75	3044	-.636	.050	-.442	-.814
75	3045	-.612	.051	-.431	-.795
75	3046	-.567	.068	-.317	-.763
75	3047	-.617	.051	-.407	-.823
75	3048	-.623	.045	-.490	-.803
75	3049	-.575	.045	-.426	-.731
75	3050	-.572	.047	-.414	-.724
75	3051	-.672	.084	-.410	-1.120
75	3052	-.668	.090	-.367	-1.054
75	3053	-.673	.064	-.466	-.952
75	3054	-.650	.050	-.486	-.841
75	3055	-.568	.063	-.339	-.766
75	3056	-.688	.074	-.214	-.717
75	3057	-.595	.061	-.366	-.821
75	3058	-.623	.053	-.436	-.803
75	3059	-.575	.048	-.431	-.743
75	3060	-.567	.050	-.384	-.742
75	3061	-.702	.085	-.398	-1.122
75	3062	-.713	.103	-.388	-1.404
75	3063	-.679	.069	-.470	-1.051
75	3064	-.644	.056	-.481	-.848
75	3065	-.540	.069	-.300	-.770
75	3066	-.448	.078	-.115	-.694
75	3067	-.543	.066	-.287	-.771
75	3068	-.582	.054	-.390	-.828
75	3069	-.543	.050	-.367	-.738
75	3070	-.537	.053	-.347	-.781
75	3071	-.688	.072	-.419	-.993
75	3072	-.703	.091	-.479	-1.269
75	3073	-.687	.065	-.357	-.943
75	3074	-.650	.057	-.385	-.860
75	3075	-.560	.067	-.321	-.761
75	3076	-.476	.077	-.133	-.806
75	3077	-.539	.068	-.328	-.927
75	3078	-.573	.058	-.392	-.828
75	3079	-.555	.057	-.385	-.814
75	3080	-.555	.059	-.384	-.804
75	3081	-.507	.071	-.243	-.798
75	3082	-.546	.050	-.322	-.754
75	3083	-.600	.067	-.350	-.823
75	3084	-.667	.064	-.468	-.934
75	3085	-.467	.087	-.143	-.737
75	3086	-.537	.058	-.291	-.756
75	3087	-.566	.054	-.323	-.773
75	3088	-.521	.053	-.319	-.725
75	3089	-.664	.062	-.478	-.898
75	3090	-.631	.069	-.445	-.867
75	3091	-.536	.077	-.243	-.816
75	3092	-.463	.073	-.228	-.758
75	3093	-.514	.053	-.320	-.711
75	3094	-.553	.048	-.399	-.739
75	3095	-.514	.049	-.340	-.691
75	3096	-.496	.053	-.307	-.694
75	3097	-.666	.056	-.478	-.935
75	3098	-.653	.056	-.473	-.897
75	3099	-.587	.075	-.288	-.803
75	3100	-.516	.077	-.172	-.808
75	3101	-.542	.062	-.341	-.768
75	3102	-.556	.054	-.376	-.734
75	3103	-.514	.057	-.308	-.707
75	3104	-.496	.060	-.268	-.696
75	3105	-.667	.059	-.500	-.930
75	3106	-.659	.055	-.502	-.890
75	3107	-.635	.060	-.363	-.834
75	3108	-.578	.071	-.273	-.772
75	3109	-.573	.063	-.338	-.795
75	3110	-.574	.056	-.401	-.769
75	3111	-.539	.054	-.385	-.744
75	3112	-.523	.055	-.354	-.734
75	3113	-.648	.058	-.466	-.880
75	3114	-.635	.055	-.477	-.824
75	3115	-.614	.059	-.433	-.825
75	3116	-.574	.064	-.369	-.868
75	3117	-.565	.059	-.361	-.750
75	3118	-.564	.054	-.390	-.732
75	3119	-.550	.053	-.385	-.753
75	3120	-.537	.053	-.369	-.741
75	3122	-.640	.045	-.499	-.806
75	3123	-.677	.070	-.509	-1.046
75	3124	-.680	.075	-.475	-1.038
75	3125	-.652	.062	-.492	-.922
75	3126	-.637	.046	-.499	-.802
75	3127	-.660	.064	-.470	-1.024
75	3128	-.574	.077	-.218	-.803
75	3129	-.648	.076	-.413	-1.051
75	3130	-.605	.060	-.431	-.841
75	3131	-.568	.057	-.372	-.744
75	3132	-.606	.059	-.412	-.863
75	3133	-.639	.071	-.444	-.967
75	3134	-.570	.047	-.435	-.712
75	3135	-.605	.060	-.427	-.888
75	3136	-.611	.063	-.427	-.916
75	3137	-.607	.060	-.442	-.919
75	3138	-.590	.050	-.458	-.822
75	3139	-.555	.053	-.408	-.732
75	3140	-.641	.059	-.487	-.921
75	3141	-.657	.059	-.504	-.910
75	3142	-.650	.049	-.527	-.808
75	3143	-.598	.073	-.357	-.842
75	3144	-.658	.063	-.472	-.899
75	3145	-.671	.062	-.487	-.898
75	3146	-.668	.057	-.518	-.845
75	3147	-.574	.067	-.348	-.792
75	3148	-.561	.070	-.252	-.808
75	3149	-.559	.073	-.251	-.838
75	3150	-.608	.058	-.447	-.792
75	4001	-.591	.060	-.398	-.857
75	4002	-.594	.056	-.408	-.781
75	4003	-.534	.053	-.349	-.732
75	4004	-.432	.057	-.222	-.618
75	4005	-.426	.062	-.190	-.596
75	4006	-.448	.069	-.158	-.668
75	4007	-.484	.194	-.120	-1.236
75	4008	-.932	.186	-.262	-1.537
75	4009	-.562	.052	-.389	-.738
75	4010	-.557	.048	-.401	-.714
75	4011	-.531	.048	-.372	-.698
75	4012	-.425	.049	-.249	-.619
75	4013	-.357	.063	-.136	-.568
75	4014	-.350	.066	-.105	-.592

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
75	4015	-.495	.298	.069	-1.436
75	4016	-.896	.218	-.116	-1.564
75	4017	-.569	.050	-.389	-.768
75	4018	-.561	.051	-.381	-.762
75	4019	-.547	.048	-.392	-.725
75	4020	-.472	.047	-.280	-.631
75	4021	-.435	.048	-.251	-.644
75	4022	-.385	.062	-.161	-.652
75	4023	-.577	.304	.082	-1.623
75	4024	-.924	.220	-.089	-1.650
75	4025	-.561	.047	-.410	-.747
75	4026	-.554	.048	-.390	-.735
75	4027	-.577	.047	-.426	-.737
75	4028	-.521	.044	-.386	-.681
75	4029	-.503	.047	-.346	-.690
75	4030	-.452	.054	-.272	-.848
75	4031	-.670	.335	.009	-1.688
75	4032	-.981	.228	-.248	-1.779
75	4033	-.552	.046	-.401	-.722
75	4034	-.546	.047	-.373	-.701
75	4035	-.583	.047	-.426	-.735
75	4036	-.574	.046	-.438	-.732
75	4037	-.601	.056	-.412	-.786
75	4038	-.542	.047	-.403	-.818
75	4039	-.703	.319	-.108	-1.815
75	4040	-1.047	.217	-.230	-1.843
75	4041	-.527	.046	-.371	-.685
75	4042	-.518	.048	-.369	-.675
75	4043	-.570	.051	-.422	-.742
75	4044	-.597	.057	-.436	-.811
75	4045	-.658	.067	-.438	-.893
75	4046	-.582	.055	-.406	-.834
75	4047	-.589	.311	.000	-1.856
75	4048	-1.021	.287	.053	-1.788
75	4049	-.522	.051	-.346	-.687
75	4050	-.509	.053	-.341	-.671
75	4051	-.567	.058	-.373	-.758
75	4052	-.605	.065	-.397	-.795
75	4053	-.640	.064	-.456	-.907
75	4054	-.567	.066	-.360	-.869
75	4055	-.515	.280	.016	-1.700
75	4056	-.924	.333	.180	-1.928
75	4057	-.535	.055	-.337	-.763
75	4058	-.536	.060	-.323	-.823
75	4059	-.585	.059	-.382	-.834
75	4060	-.604	.064	-.408	-.927
75	4061	-.563	.050	-.389	-.765
75	4062	-.561	.067	-.350	-.956
75	4063	-.554	.196	-.076	-1.389
75	4064	-.923	.331	.033	-2.055
75	4065	-.753	.095	-.376	-1.106
75	4066	-.380	.081	-.069	-.698
75	4067	-.789	.103	-.479	-1.115
75	4068	-.410	.107	-.186	-1.098
75	4069	-.404	.226	.458	-1.352
75	4070	-.816	.223	-.005	-1.586
75	4071	-.510	.058	-.300	-.711
75	4072	-.510	.056	-.337	-.732
75	4073	-.573	.062	-.291	-.836
75	4074	-.481	.070	-.274	-.986
75	4075	-.585	.208	-.226	-1.456
75	4076	-.742	.304	.160	-1.692
75	4077	-.965	.285	.286	-2.105
75	4078	-.532	.063	-.309	-.740
75	4079	-.562	.055	-.392	-.774
75	4080	-.561	.055	-.359	-.984
75	4081	-.544	.067	-.346	-1.040
75	4082	-.515	.178	-.194	-1.466
75	4083	-.759	.359	.120	-1.626
75	4084	-.878	.260	.307	-1.898
75	4085	-.558	.053	-.385	-.717
75	4086	-.550	.047	-.327	-.698
75	4087	-.563	.048	-.341	-.838
75	4088	-.520	.062	-.359	-1.093
75	4089	-.507	.144	-.245	-1.232
75	4090	-.744	.314	.046	-1.747
75	4091	-.920	.225	.071	-1.921
75	4092	-.554	.052	-.405	-.743
75	4093	-.544	.046	-.408	-.719
75	4094	-.527	.048	-.392	-.733
75	4095	-.515	.056	-.343	-.799
75	4096	-.481	.114	-.215	-1.181
75	4097	-.699	.265	-.064	-1.938
75	4098	-.868	.235	-.085	-2.187
75	4099	-.593	.056	-.410	-.860
75	4100	-.591	.052	-.431	-.819
75	4101	-.573	.053	-.416	-.803
75	4102	-.613	.062	-.438	-.903
75	4103	-.569	.052	-.341	-.756
75	4104	-.573	.048	-.431	-.783
75	4105	-.542	.050	-.356	-.752
75	4106	-.515	.050	-.319	-.736
75	4107	-.525	.049	-.378	-.714
75	4108	-.517	.044	-.322	-.686
75	4109	-.545	.053	-.387	-.830
75	4110	-.471	.066	-.259	-.803
75	4111	-.499	.108	-.168	-1.016
75	4112	-.623	.248	-.034	-1.398
75	4113	-.774	.222	-.090	-1.534
75	4114	-.459	.046	-.298	-.610
75	4115	-.605	.184	-.016	-1.141
75	5001	-.670	.119	-.255	-1.096
75	5002	-.619	.118	-.046	-1.247
75	5003	-.745	.149	-.316	-1.178
75	5004	-.870	.117	-.524	-1.330
75	5005	-.820	.121	-.481	-1.284
75	5006	-.700	.084	-.432	-1.058
75	5007	-.730	.120	-.174	-1.252
75	5008	-.531	.247	.190	-1.166
75	5009	-.886	.134	-.488	-1.377
75	5010	-.813	.129	-.417	-1.231
75	5011	-.817	.139	-.319	-1.343
75	5012	-1.042	.158	-.347	-1.587
75	5013	-1.061	.133	-.570	-1.592
75	5014	-1.081	.145	-.605	-1.733
75	5015	-.935	.169	-.406	-1.528
75	5016	-.889	.141	-.428	-1.535
75	5017	-1.095	.184	-.597	-1.876
75	5018	-.799	.127	-.392	-1.649
75	5100	-.415	.054	-.175	-.630
75	5101	-.475	.150	-.085	-1.023
75	5102	-.415	.046	-.219	-.582
75	5103	-.669	.069	-.492	-1.032
75	5104	-.660	.072	-.452	-.998
75	5105	-.664	.080	-.412	-1.020
75	5106	-.597	.064	-.424	-.841
90	1001	.165	.166	.651	-.348
90	1002	.240	.165	.735	-.322
90	1003	.113	.155	.491	-.856
90	1004	-.002	.127	.325	-.420
90	1005	-.080	.099	.239	-.460
90	1006	-.142	.080	.173	-.387
90	1007	-.201	.074	.022	-.473
90	1008	-.238	.071	-.002	-.463
90	1009	-.299	.064	-.054	-.510
90	1010	-.463	.053	-.268	-.666
90	1011	.333	.193	.929	-.275
90	1012	.496	.175	.993	-.149
90	1013	.425	.168	.905	-.018
90	1014	.352	.143	.777	-.027
90	1015	.229	.119	.573	-.095
90	1016	.136	.102	.520	-.144
90	1017	.052	.091	.338	-.236
90	1018	-.049	.083	.218	-.318
90	1019	-.193	.065	.059	-.429
90	1020	-.405	.046	-.248	-.612
90	1021	.322	.195	.903	-.330
90	1022	.506	.172	1.006	-.111
90	1023	.499	.162	.965	-.029
90	1024	.443	.148	.888	.020

APPENDIX A -- PRESSURE DATA: ENERGY CENTER II -- DENVER , COLORADO

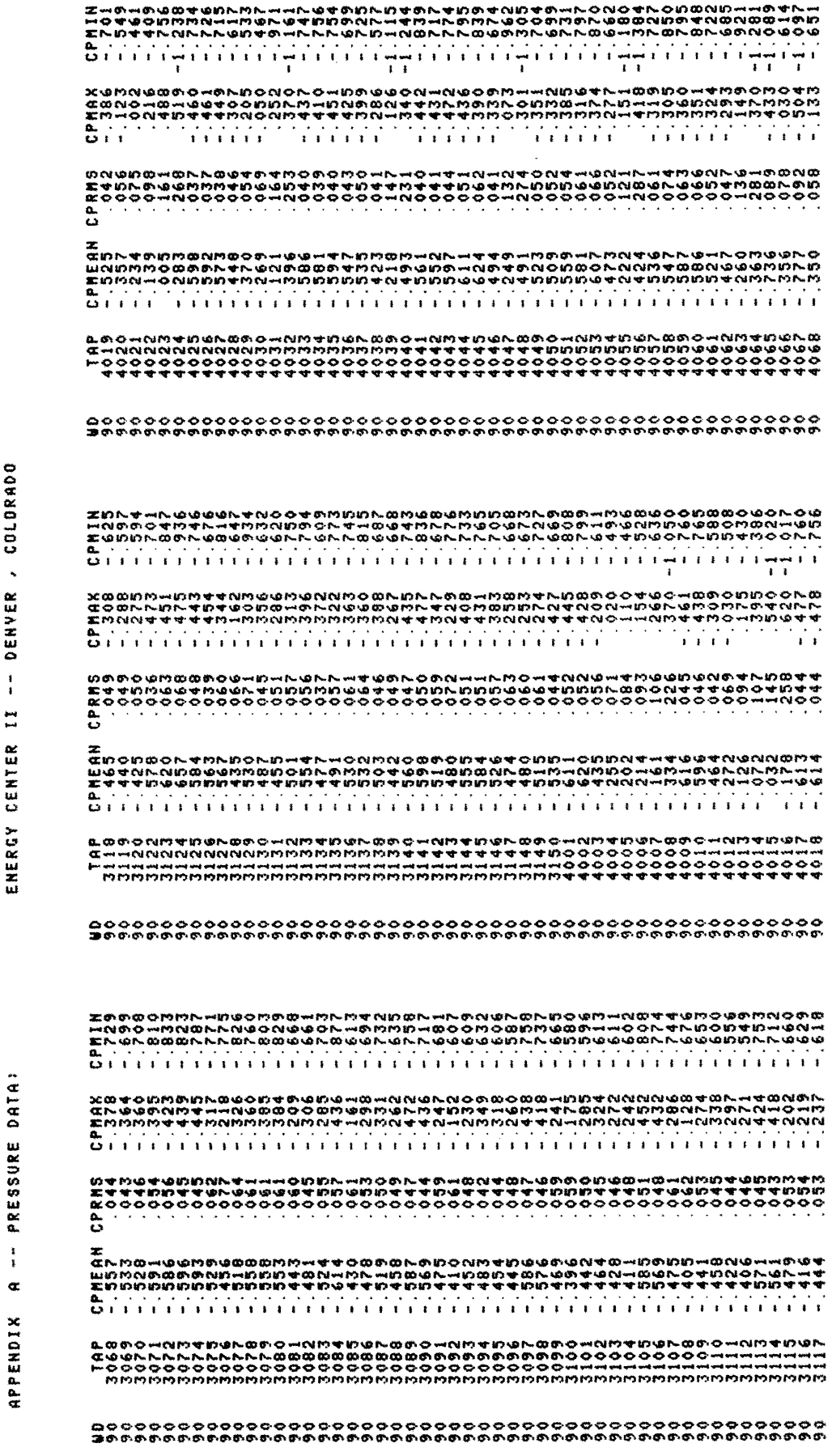
WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
90	1025	.325	.126	.722	-.023
90	1026	.222	.109	.576	-.068
90	1027	.119	.096	.431	-.196
90	1028	-.007	.085	.270	-.286
90	1029	-.181	.064	.036	-.381
90	1030	-.407	.047	-.250	-.561
90	1031	.256	.207	.902	-.449
90	1032	.494	.183	1.007	-.264
90	1033	.506	.150	1.002	.042
90	1034	.458	.138	.925	.064
90	1035	.351	.122	.774	.023
90	1036	.246	.107	.633	-.043
90	1037	.154	.097	.478	-.124
90	1038	.012	.083	.325	-.250
90	1039	-.177	.061	.081	-.383
90	1040	-.392	.045	-.227	-.556
90	1041	.218	.205	.920	-.534
90	1042	.457	.190	1.071	-.493
90	1043	.477	.149	.996	-.369
90	1044	.437	.136	.934	.084
90	1045	.343	.117	.783	.018
90	1046	.244	.102	.597	-.036
90	1047	.160	.103	.511	-.100
90	1048	.009	.086	.298	-.207
90	1049	-.179	.062	.059	-.343
90	1050	-.387	.046	-.241	-.554
90	1051	.193	.220	.993	-.429
90	1052	.425	.192	1.028	-.408
90	1053	.473	.136	.893	.113
90	1054	.435	.124	.854	.107
90	1055	.345	.107	.724	.047
90	1056	.246	.095	.579	-.014
90	1057	.143	.084	.427	-.100
90	1058	-.006	.071	.302	-.204
90	1059	-.193	.054	.113	-.361
90	1060	-.395	.043	-.203	-.552
90	1061	.179	.210	.867	-.372
90	1062	.388	.178	.952	-.343
90	1063	.391	.140	.858	-.129
90	1064	.361	.127	.791	.070
90	1065	.289	.110	.665	.043
90	1066	.208	.097	.536	-.016
90	1067	.112	.080	.398	-.073
90	1068	-.026	.071	.252	-.191
90	1069	-.205	.056	.032	-.350
90	1070	-.402	.047	-.218	-.538
90	1071	.148	.177	.708	-.355
90	1072	.269	.140	.708	-.290
90	1073	.294	.113	.720	-.116
90	1074	.282	.106	.722	-.030
90	1075	.238	.097	.643	-.014
90	1076	.152	.086	.538	-.108
90	1077	.093	.072	.491	-.116
90	1078	-.061	.062	.266	-.225
90	1079	-.209	.053	.011	-.359
90	1080	-.459	.050	-.297	-.639
90	1081	.074	.073	.415	-.113
90	1082	-.251	.060	-.036	-.455
90	1083	.253	.097	.588	-.029
90	1084	.286	.113	.742	-.052
90	1085	.163	.078	.520	-.017
90	1086	-.010	.062	.292	-.163
90	1087	-.279	.060	-.060	-.476
90	1088	-.115	.067	.134	-.350
90	1089	.334	.160	.925	-.137
90	1090	.374	.120	.802	.049
90	1091	.262	.093	.672	.044
90	1092	.170	.082	.578	-.009
90	1093	.107	.081	.443	-.081
90	1094	-.032	.069	.259	-.202
90	1095	-.254	.049	-.049	-.412
90	1096	-.426	.044	-.271	-.609
90	1097	.249	.151	.734	-.203
90	1098	.297	.110	.708	-.037
90	1099	.213	.082	.520	.005
90	1100	.144	.077	.458	-.050
90	1101	.067	.067	.362	-.086
90	1102	-.047	.057	.237	-.212
90	1103	-.287	.042	-.059	-.409
90	1104	-.457	.045	-.267	-.604
90	1105	.174	.138	.602	-.277
90	1106	.227	.096	.688	-.059
90	1107	.167	.070	.515	-.017
90	1108	.113	.068	.406	-.040
90	1109	.055	.064	.318	-.098
90	1110	-.056	.053	.143	-.183
90	1111	.211	.008	.238	.186
90	1112	.068	.012	.101	.035
90	1113	.061	.128	.458	-.311
90	1114	.128	.085	.437	-.123
90	1115	.134	.068	.456	-.012
90	1116	.114	.072	.422	-.052
90	1117	.056	.066	.345	-.115
90	1118	-.062	.051	.170	-.215
90	1119	-.265	.034	-.145	-.382
90	1120	-.416	.037	-.321	-.540
90	1121	.016	.144	.408	-.485
90	1122	.017	.099	.286	-.336
90	1123	.010	.052	.164	-.112
90	1124	.138	.071	.398	-.041
90	1125	-.065	.049	.124	-.191
90	1126	-.332	.046	-.167	-.527
90	1127	-.225	.024	-.144	-.310
90	1128	-.350	.038	-.265	-.508
90	1129	.099	.075	.456	-.074
90	1130	.135	.074	.581	-.045
90	1131	.114	.069	.374	-.011
90	1132	-.003	.062	.265	-.150
90	1133	-.235	.037	-.100	-.384
90	1134	-.341	.036	-.224	-.474
90	1135	.143	.072	.418	-.016
90	1136	.203	.090	.613	-.026
90	1137	.161	.093	.561	-.043
90	1138	.018	.076	.324	-.153
90	1139	-.234	.038	-.103	-.331
90	1140	-.386	.040	-.210	-.525
90	1141	.160	.107	.669	-.193
90	2001	-.591	.066	-.389	-.840
90	2002	-.596	.072	-.371	-.996
90	2003	-.564	.063	-.375	-.804
90	2004	-.562	.063	-.368	-.821
90	2005	-.558	.061	-.306	-.945
90	2006	-.546	.061	-.286	-.816
90	2007	-.547	.059	-.275	-1.012
90	2008	-.557	.060	-.314	-1.175
90	2009	-.534	.053	-.348	-.747
90	2010	-.543	.056	-.372	-.797
90	2011	-.538	.051	-.350	-.728
90	2012	-.539	.053	-.355	-.728
90	2013	-.538	.051	-.366	-.729
90	2014	-.537	.050	-.343	-.688
90	2015	-.549	.055	-.331	-.777
90	2016	-.567	.056	-.349	-.809
90	2017	-.506	.045	-.350	-.727
90	2018	-.516	.047	-.370	-.772
90	2019	-.517	.046	-.377	-.779
90	2020	-.512	.045	-.384	-.757
90	2021	-.518	.048	-.360	-.676
90	2022	-.529	.049	-.390	-.757
90	2023	-.549	.052	-.368	-.801
90	2024	-.571	.057	-.375	-.789
90	2025	-.518	.045	-.381	-.684
90	2026	-.524	.047	-.359	-.699
90	2027	-.517	.045	-.369	-.676
90	2028	-.515	.045	-.359	-.687
90	2029	-.526	.043	-.402	-.710
90	2030	-.532	.043	-.404	-.728
90	2031	-.541	.045	-.408	-.714
90	2032	-.560	.050	-.379	-.747
90	2033	-.504	.042	-.374	-.660

APPENDIX A -- PRESSURE DATA: ENERGY CENTER II -- DENVER , COLORADO

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
90	2034	-.511	.043	-.376	-.671
90	2035	-.503	.042	-.369	-.656
90	2036	-.501	.042	-.372	-.648
90	2037	-.518	.043	-.352	-.759
90	2038	-.524	.045	-.380	-.759
90	2039	-.525	.049	-.378	-.763
90	2040	-.540	.056	-.355	-.805
90	2041	-.507	.048	-.362	-.724
90	2042	-.514	.048	-.371	-.747
90	2043	-.503	.047	-.357	-.714
90	2044	-.503	.046	-.370	-.711
90	2045	-.521	.045	-.378	-.693
90	2046	-.532	.048	-.402	-.702
90	2047	-.538	.055	-.371	-.781
90	2048	-.549	.059	-.319	-.857
90	2049	-.533	.044	-.390	-.698
90	2050	-.539	.045	-.378	-.709
90	2051	-.531	.044	-.385	-.700
90	2052	-.529	.043	-.377	-.691
90	2053	-.543	.044	-.357	-.693
90	2054	-.554	.049	-.388	-.733
90	2055	-.562	.056	-.401	-.779
90	2056	-.568	.057	-.375	-.801
90	2057	-.556	.049	-.411	-.827
90	2058	-.553	.049	-.406	-.768
90	2059	-.545	.047	-.392	-.709
90	2060	-.557	.048	-.395	-.743
90	2061	-.581	.052	-.421	-.759
90	2062	-.591	.053	-.447	-.818
90	2063	-.597	.056	-.429	-.854
90	2064	-.598	.057	-.435	-.877
90	2065	-.601	.049	-.461	-.778
90	2066	-.586	.053	-.421	-.796
90	2067	-.591	.048	-.455	-.777
90	2068	-.593	.047	-.449	-.767
90	2069	-.596	.042	-.468	-.749
90	2070	-.614	.054	-.444	-.917
90	2071	-.577	.055	-.398	-.783
90	2072	-.579	.055	-.388	-.770
90	2073	-.572	.048	-.430	-.752
90	2074	-.576	.048	-.430	-.792
90	2075	-.586	.049	-.436	-.795
90	2076	-.595	.049	-.453	-.850
90	2077	-.605	.051	-.449	-.851
90	2078	-.582	.046	-.432	-.744
90	2079	-.580	.045	-.434	-.746
90	2080	-.583	.045	-.433	-.738
90	2081	-.598	.046	-.475	-.775
90	2082	-.602	.046	-.473	-.782
90	2083	-.598	.045	-.471	-.791

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
90	2084	-.593	.046	-.458	-.785
90	2085	-.591	.048	-.439	-.749
90	2086	-.592	.048	-.454	-.754
90	2087	-.590	.048	-.446	-.751
90	2088	-.590	.048	-.435	-.743
90	2089	-.598	.045	-.465	-.754
90	2090	-.596	.046	-.458	-.773
90	2091	-.592	.045	-.453	-.781
90	2092	-.567	.049	-.417	-.747
90	2093	-.571	.051	-.395	-.749
90	2094	-.575	.049	-.435	-.763
90	2095	-.578	.047	-.446	-.756
90	2096	-.579	.048	-.460	-.754
90	2097	-.590	.053	-.458	-.818
90	2098	-.588	.053	-.444	-.820
90	2099	-.600	.068	-.422	-.928
90	2100	-.617	.069	-.446	-.958
90	2101	-.612	.070	-.430	-.937
90	2102	-.608	.060	-.419	-1.016
90	2103	-.567	.058	-.420	-.883
90	2104	-.574	.056	-.432	-.838
90	2105	-.553	.055	-.405	-.848
90	2106	-.593	.053	-.440	-.847
90	2107	-.569	.049	-.429	-.813
90	2108	-.567	.046	-.434	-.710
90	2109	-.540	.046	-.418	-.743
90	2110	-.576	.048	-.443	-.770
90	2111	-.552	.048	-.396	-.753
90	2112	-.567	.048	-.430	-.785
90	2113	-.541	.048	-.407	-.759
90	2114	-.545	.050	-.397	-.840
90	2115	-.609	.055	-.465	-.792
90	2116	-.566	.047	-.413	-.737
90	3001	-.584	.065	-.390	-1.041
90	3002	-.581	.067	-.332	-1.098
90	3003	-.606	.072	-.371	-1.016
90	3004	-.603	.073	-.358	-1.239
90	3005	-.639	.109	-.344	-1.385
90	3006	-.639	.088	-.425	-1.367
90	3007	-.609	.049	-.435	-.806
90	3008	-.611	.048	-.454	-.816
90	3009	-.601	.047	-.448	-.803
90	3010	-.605	.048	-.452	-.829
90	3011	-.590	.058	-.386	-.799
90	3012	-.583	.051	-.430	-.867
90	3013	-.608	.061	-.437	-1.008
90	3014	-.597	.055	-.394	-.899
90	3015	-.612	.080	-.436	-1.520
90	3016	-.619	.055	-.483	-.996
90	3017	-.619	.047	-.457	-.772

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
90	3018	-.616	.045	-.481	-.774
90	3019	-.605	.046	-.457	-.769
90	3020	-.612	.045	-.463	-.766
90	3021	-.599	.060	-.399	-.972
90	3022	-.607	.049	-.462	-1.008
90	3023	-.629	.058	-.486	-.939
90	3024	-.612	.048	-.479	-.834
90	3025	-.606	.046	-.457	-.765
90	3026	-.626	.044	-.490	-.800
90	3027	-.625	.043	-.493	-.797
90	3028	-.618	.041	-.494	-.765
90	3029	-.604	.042	-.479	-.747
90	3030	-.610	.042	-.490	-.782
90	3031	-.591	.062	-.365	-.867
90	3032	-.598	.046	-.428	-.876
90	3033	-.632	.057	-.446	-.892
90	3034	-.619	.047	-.474	-.794
90	3035	-.614	.044	-.495	-.778
90	3036	-.635	.044	-.512	-.798
90	3037	-.628	.042	-.504	-.792
90	3038	-.618	.040	-.503	-.763
90	3039	-.600	.040	-.479	-.749
90	3040	-.605	.040	-.479	-.726
90	3041	-.588	.064	-.345	-.828
90	3042	-.609	.046	-.418	-.790
90	3043	-.623	.051	-.502	-.917
90	3044	-.613	.044	-.485	-.819
90	3045	-.617	.043	-.499	-.769
90	3046	-.626	.043	-.450	-.757
90	3047	-.630	.042	-.502	-.803
90	3048	-.625	.040	-.503	-.767
90	3049	-.601	.039	-.499	-.744
90	3050	-.603	.040	-.488	-.753
90	3051	-.578	.059	-.359	-.844
90	3052	-.575	.045	-.401	-.797
90	3053	-.598	.048	-.468	-.868
90	3054	-.602	.045	-.483	-.740
90	3055	-.608	.046	-.443	-.769
90	3056	-.569	.058	-.301	-.742
90	3057	-.588	.044	-.408	-.755
90	3058	-.600	.041	-.479	-.765
90	3059	-.571	.041	-.445	-.708
90	3060	-.570	.042	-.418	-.701
90	3061	-.578	.059	-.331	-.867
90	3062	-.580	.056	-.413	-.896
90	3063	-.579	.051	-.417	-.768
90	3064	-.582	.047	-.445	-.763
90	3065	-.544	.052	-.304	-.708
90	3066	-.468	.068	-.196	-.672
90	3067	-.526	.047	-.322	-.697


APPENDIX A -- PRESSURE DATA:
ENERGY CENTER II -- DENVER , COLORADO
WD
TAP
CPMEAN
CPRMS
CPMAX
CPMIN

APPENDIX A -- PRESSURE DATA: ENERGY CENTER II -- DENVER , COLORADO

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
90	4069	-.107	.203	.496	-.710
90	4070	-.484	.155	.179	-1.421
90	4071	-.460	.054	-.237	-.650
90	4072	-.485	.053	-.322	-.675
90	4073	-.562	.058	-.394	-.820
90	4074	-.421	.043	-.225	-.635
90	4075	-.371	.094	-.126	-1.074
90	4076	-.323	.280	.482	-1.349
90	4077	-.581	.365	.677	-1.622
90	4078	-.433	.051	-.227	-.616
90	4079	-.481	.047	-.309	-.685
90	4080	-.497	.046	-.331	-.678
90	4081	-.473	.046	-.335	-.656
90	4082	-.346	.065	-.085	-.823
90	4083	-.309	.280	.316	-1.175
90	4084	-.469	.316	.573	-1.689
90	4085	-.434	.047	-.283	-.608
90	4086	-.461	.044	-.330	-.639
90	4087	-.507	.044	-.362	-.676
90	4088	-.455	.040	-.322	-.610
90	4089	-.368	.059	-.150	-.672
90	4090	-.339	.249	.348	-1.363
90	4091	-.549	.292	.579	-1.539
90	4092	-.441	.048	-.285	-.606
90	4093	-.455	.042	-.287	-.613
90	4094	-.473	.041	-.305	-.642
90	4095	-.456	.044	-.307	-.637
90	4096	-.371	.071	-.166	-.726
90	4097	-.361	.201	.166	-1.201
90	4098	-.490	.259	.339	-1.457
90	4099	-.493	.054	-.306	-.670
90	4100	-.480	.045	-.339	-.645
90	4101	-.457	.045	-.317	-.602
90	4102	-.530	.064	-.350	-.792
90	4103	-.409	.043	-.240	-.585
90	4104	-.482	.045	-.325	-.659
90	4105	-.442	.045	-.288	-.604
90	4106	-.412	.045	-.254	-.564
90	4107	-.426	.046	-.256	-.592
90	4108	-.432	.042	-.262	-.604
90	4109	-.466	.047	-.314	-.698
90	4110	-.385	.061	-.204	-.638
90	4111	-.385	.111	-.080	-.828
90	4112	-.418	.222	.082	-1.059
90	4113	-.517	.241	.235	-1.106
90	4114	-.366	.043	-.218	-.518
90	4115	-.425	.192	.059	-1.018
90	5001	-.617	.089	-.292	-.980
90	5002	-.553	.082	-.049	-.880
90	5003	-.798	.140	-.270	-1.264
90	5004	-.923	.187	-.566	-1.771
90	5005	-.883	.145	-.523	-1.355
90	5006	-.648	.071	-.426	-.892
90	5007	-.645	.093	-.320	-1.018
90	5008	-.061	.197	.352	-.918
90	5009	-.655	.085	-.414	-1.107
90	5010	-.701	.103	-.334	-1.078
90	5011	-.669	.105	-.307	-1.073
90	5012	-.769	.276	.098	-1.411
90	5013	-.896	.161	-.304	-1.447
90	5014	-.917	.135	-.495	-1.431
90	5015	-.771	.130	-.218	-1.270
90	5016	-.743	.125	-.309	-1.238
90	5017	-1.151	.261	-.621	-2.222
90	5018	-.719	.115	-.403	-1.263
90	5100	-.361	.047	-.193	-.510
90	5101	-.390	.130	-.020	-.815
90	5102	-.361	.039	-.208	-.503
90	5103	-.621	.057	-.453	-.920
90	5104	-.594	.050	-.446	-.775
90	5105	-.628	.055	-.466	-.875
90	5106	-.594	.048	-.441	-.773
105	1001	.339	.137	.779	-.053
105	1002	.135	.130	.592	-.353
105	1003	-.316	.190	.210	-1.084
105	1004	-.162	.075	.132	-.407
105	1005	-.160	.069	.111	-.404
105	1006	-.150	.058	.029	-.386
105	1007	-.168	.056	.026	-.372
105	1008	-.205	.049	-.034	-.434
105	1009	-.237	.042	-.078	-.437
105	1010	-.360	.031	-.242	-.479
105	1011	.543	.149	1.061	.056
105	1012	.381	.123	.791	-.037
105	1013	.014	.205	.644	-.681
105	1014	.151	.098	.521	-.203
105	1015	.072	.080	.393	-.171
105	1016	.015	.069	.255	-.198
105	1017	-.033	.058	.127	-.206
105	1018	-.117	.050	.045	-.275
105	1019	-.220	.038	-.067	-.346
105	1020	-.371	.031	-.260	-.482
105	1021	.556	.163	1.014	.077
105	1022	.445	.136	.807	.042
105	1023	.152	.187	.624	-.510
105	1024	.227	.096	.554	-.226
105	1025	.135	.080	.410	-.087
105	1026	.059	.068	.304	-.142
105	1027	-.003	.062	.215	-.175
105	1028	-.107	.051	.105	-.250
105	1029	-.229	.036	-.067	-.337
105	1030	-.385	.031	-.286	-.495
105	1031	.520	.173	1.030	.010
105	1032	.480	.132	.856	.088
105	1033	.259	.163	.718	-.311
105	1034	.283	.098	.632	-.002
105	1035	.181	.081	.488	-.053
105	1036	.091	.068	.344	-.098
105	1037	.009	.064	.243	-.140
105	1038	-.105	.052	.139	-.237
105	1039	-.233	.038	-.042	-.339
105	1040	-.377	.032	-.257	-.486
105	1041	.481	.178	1.002	-.012
105	1042	.491	.133	.930	.130
105	1043	.285	.136	.672	-.212
105	1044	.277	.093	.563	-.002
105	1045	.179	.078	.428	-.035
105	1046	.089	.066	.293	-.082
105	1047	.004	.058	.232	-.153
105	1048	-.115	.047	.098	-.235
105	1049	-.238	.035	-.087	-.346
105	1050	-.375	.032	-.280	-.486
105	1051	.423	.185	1.100	-.117
105	1052	.460	.129	.886	.102
105	1053	.280	.133	.703	-.173
105	1054	.264	.096	.594	-.027
105	1055	.175	.080	.461	-.011
105	1056	.087	.066	.342	-.075
105	1057	.011	.051	.188	-.112
105	1058	-.108	.042	.110	-.232
105	1059	-.231	.033	-.029	-.324
105	1060	-.363	.030	-.206	-.484
105	1061	.377	.172	.968	-.080
105	1062	.390	.122	.849	.074
105	1063	.232	.127	.648	-.307
105	1064	.223	.090	.594	.042
105	1065	.149	.074	.455	-.002
105	1066	.073	.062	.377	-.071
105	1067	.007	.051	.182	-.120
105	1068	-.112	.043	-.049	-.239
105	1069	-.237	.034	-.091	-.342
105	1070	-.371	.033	-.251	-.504
105	1071	.307	.143	.883	.090
105	1072	.318	.111	.770	.012
105	1073	.211	.093	.558	-.134
105	1074	.205	.077	.521	-.016
105	1075	.144	.064	.439	-.027
105	1076	.053	.051	.322	-.080
105	1077	.000	.051	.228	-.204
105	1078	-.123	.042	.083	-.264

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
105	1079	-.228	.038	-.087	-.368
105	1080	-.391	.037	-.266	-.535
105	1081	-.018	.051	.233	-.184
105	1082	-.242	.042	-.042	-.444
105	1083	.175	.075	.452	-.063
105	1084	.256	.088	.574	-.020
105	1085	.061	.059	.309	-.114
105	1086	-.079	.045	.139	-.216
105	1087	-.270	.043	-.079	-.475
105	1088	-.162	.045	.038	-.286
105	1089	.335	.107	.675	.031
105	1090	.282	.088	.616	.074
105	1091	.135	.061	.433	-.019
105	1092	.054	.052	.272	-.074
105	1093	.007	.048	.281	-.121
105	1094	-.114	.040	.128	-.228
105	1095	-.267	.032	-.110	-.397
105	1096	-.358	.031	-.220	-.515
105	1097	.295	.101	.629	.012
105	1098	.247	.079	.542	.020
105	1099	.111	.053	.355	-.015
105	1100	.050	.045	.262	-.056
105	1101	-.021	.039	.165	-.119
105	1102	-.115	.033	.034	-.204
105	1103	-.286	.029	-.151	-.385
105	1104	-.385	.033	-.267	-.506
105	1105	.229	.107	.643	-.060
105	1106	.195	.082	.579	-.005
105	1107	.084	.054	.319	-.044
105	1108	.035	.046	.218	-.079
105	1109	-.026	.042	.179	-.143
105	1110	-.119	.035	.081	-.208
105	1111	.204	.008	.231	.175
105	1112	.053	.010	.086	.023
105	1113	.152	.101	.489	-.213
105	1114	.129	.072	.356	-.145
105	1115	.060	.044	.226	-.068
105	1116	.028	.039	.209	-.091
105	1117	-.024	.040	.155	-.116
105	1118	-.121	.032	.020	-.213
105	1119	-.264	.027	-.168	-.363
105	1120	-.352	.031	-.265	-.459
105	1121	.119	.089	.405	-.242
105	1122	.067	.067	.273	-.235
105	1123	.041	.051	.204	-.118
105	1124	.035	.049	.274	-.090
105	1125	-.123	.035	.005	-.237
105	1126	-.298	.035	-.168	-.455
105	1127	-.211	.020	-.136	-.270
105	1128	-.306	.030	-.208	-.421

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
105	1129	.100	.065	.334	-.071
105	1130	.074	.055	.337	-.078
105	1131	.015	.041	.163	-.070
105	1132	-.074	.044	.137	-.177
105	1133	-.236	.030	-.092	-.334
105	1134	-.311	.030	-.185	-.424
105	1135	.118	.062	.313	-.054
105	1136	.124	.068	.495	-.045
105	1137	.039	.059	.308	-.102
105	1138	-.071	.044	.135	-.190
105	1139	-.246	.023	-.161	-.320
105	1140	-.349	.033	-.194	-.461
105	1141	.122	.101	.507	-.171
105	2001	-.430	.036	-.293	-.561
105	2002	-.430	.039	-.307	-.602
105	2003	-.429	.036	-.307	-.572
105	2004	-.412	.034	-.297	-.538
105	2005	-.420	.034	-.293	-.568
105	2006	-.432	.036	-.294	-.571
105	2007	-.450	.040	-.297	-.616
105	2008	-.446	.044	-.274	-.640
105	2009	-.417	.031	-.290	-.535
105	2010	-.432	.035	-.324	-.610
105	2011	-.437	.033	-.299	-.557
105	2012	-.431	.031	-.294	-.567
105	2013	-.417	.030	-.288	-.536
105	2014	-.433	.032	-.307	-.547
105	2015	-.457	.037	-.321	-.628
105	2016	-.459	.043	-.297	-.654
105	2017	-.421	.032	-.314	-.532
105	2018	-.434	.033	-.321	-.549
105	2019	-.438	.033	-.336	-.555
105	2020	-.420	.032	-.323	-.536
105	2021	-.428	.028	-.351	-.535
105	2022	-.445	.029	-.358	-.549
105	2023	-.465	.033	-.360	-.616
105	2024	-.478	.044	-.341	-.672
105	2025	-.437	.030	-.337	-.551
105	2026	-.438	.030	-.344	-.575
105	2027	-.435	.029	-.348	-.560
105	2028	-.434	.029	-.339	-.550
105	2029	-.444	.029	-.349	-.565
105	2030	-.449	.029	-.362	-.549
105	2031	-.461	.032	-.360	-.567
105	2032	-.474	.038	-.359	-.619
105	2033	-.426	.030	-.309	-.523
105	2034	-.430	.029	-.325	-.528
105	2035	-.428	.029	-.323	-.530
105	2036	-.426	.028	-.331	-.528
105	2037	-.431	.029	-.340	-.547

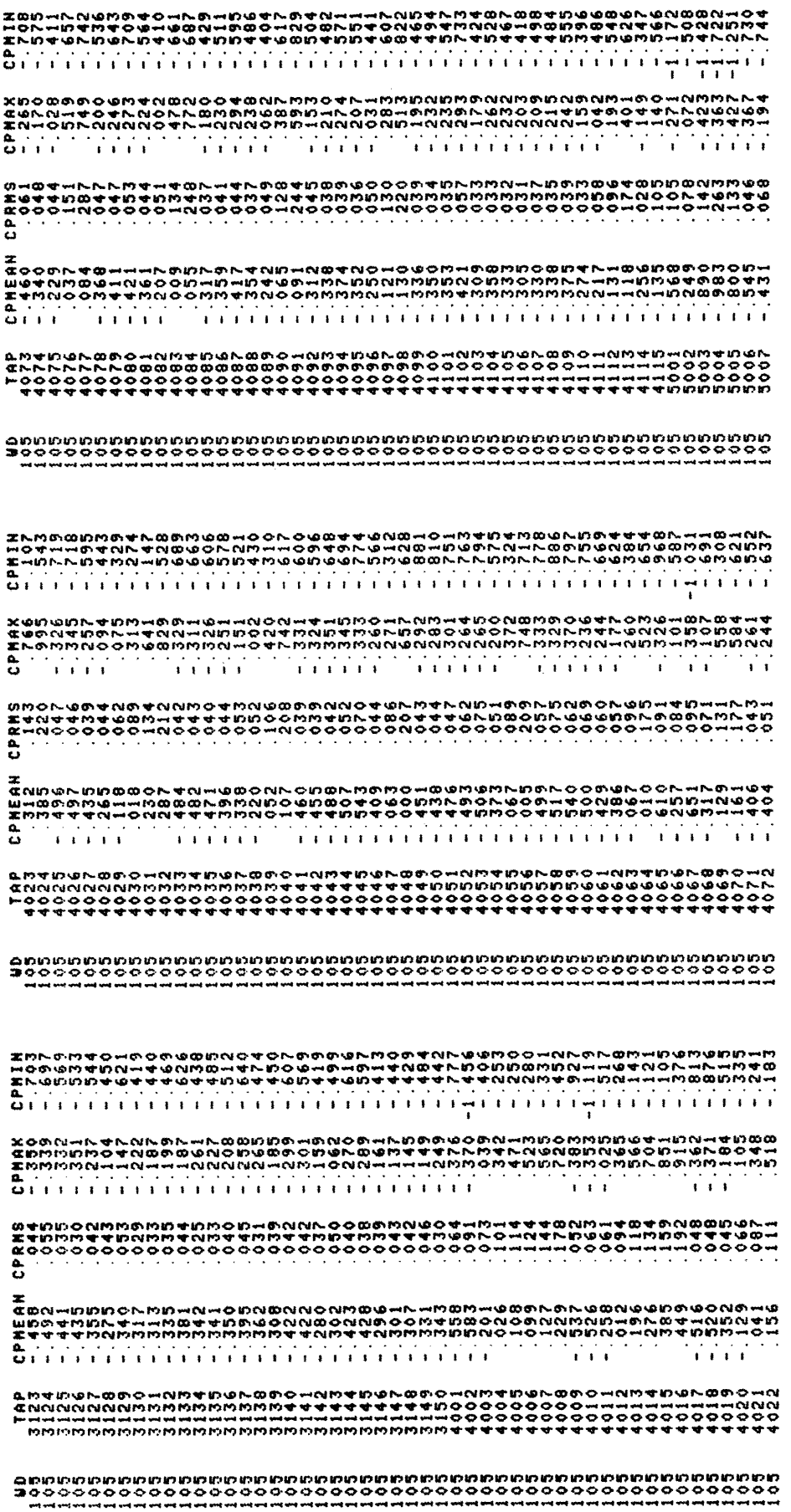
WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
105	2038	-.434	.030	-.344	-.549
105	2039	-.437	.033	-.321	-.560
105	2040	-.443	.040	-.326	-.623
105	2041	-.425	.033	-.295	-.588
105	2042	-.429	.033	-.313	-.589
105	2043	-.421	.032	-.307	-.570
105	2044	-.421	.031	-.324	-.575
105	2045	-.429	.030	-.333	-.516
105	2046	-.429	.030	-.318	-.523
105	2047	-.422	.032	-.297	-.523
105	2048	-.425	.037	-.306	-.546
105	2049	-.425	.032	-.316	-.523
105	2050	-.427	.032	-.311	-.523
105	2051	-.421	.032	-.302	-.512
105	2052	-.420	.031	-.313	-.515
105	2053	-.434	.032	-.321	-.544
105	2054	-.436	.032	-.325	-.547
105	2055	-.432	.036	-.302	-.586
105	2056	-.433	.041	-.291	-.577
105	2057	-.436	.034	-.328	-.549
105	2058	-.433	.033	-.327	-.533
105	2059	-.428	.033	-.321	-.535
105	2060	-.432	.032	-.326	-.550
105	2061	-.456	.032	-.344	-.561
105	2062	-.463	.034	-.358	-.570
105	2063	-.465	.038	-.330	-.636
105	2064	-.463	.039	-.329	-.637
105	2065	-.465	.038	-.351	-.630
105	2066	-.453	.042	-.320	-.622
105	2067	-.459	.038	-.350	-.632
105	2068	-.464	.039	-.348	-.604
105	2069	-.472	.038	-.363	-.569
105	2070	-.499	.045	-.374	-.703
105	2071	-.454	.037	-.310	-.641
105	2072	-.445	.037	-.335	-.561
105	2073	-.447	.034	-.328	-.561
105	2074	-.455	.035	-.339	-.580
105	2075	-.467	.036	-.348	-.606
105	2076	-.482	.040	-.373	-.666
105	2077	-.496	.048	-.326	-.814
105	2078	-.462	.039	-.353	-.633
105	2079	-.459	.038	-.355	-.618
105	2080	-.462	.038	-.362	-.628
105	2081	-.473	.038	-.370	-.600
105	2082	-.482	.039	-.369	-.619
105	2083	-.477	.040	-.374	-.630
105	2084	-.472	.040	-.375	-.615
105	2085	-.464	.035	-.356	-.598
105	2086	-.464	.036	-.362	-.610
105	2087	-.462	.035	-.355	-.606

APPENDIX A -- PRESSURE DATA: ENERGY CENTER II -- DENVER , COLORADO

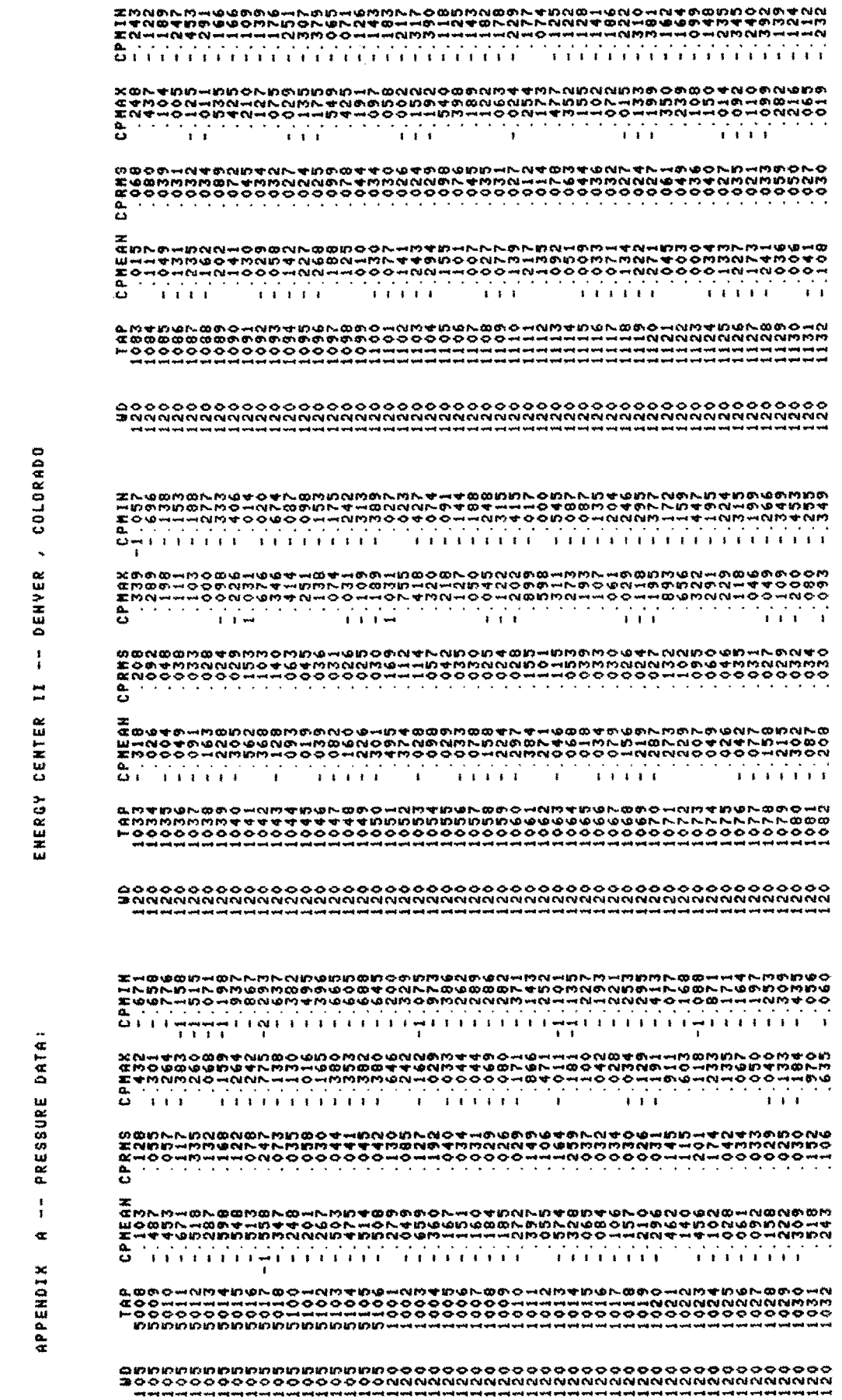
WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
105	2088	-.464	.036	-.359	-.610
105	2089	-.475	.036	-.365	-.612
105	2090	-.473	.037	-.367	-.612
105	2091	-.465	.037	-.344	-.593
105	2092	-.446	.039	-.300	-.590
105	2093	-.449	.039	-.328	-.595
105	2094	-.455	.038	-.337	-.601
105	2095	-.454	.037	-.350	-.588
105	2096	-.456	.037	-.353	-.586
105	2097	-.470	.041	-.360	-.621
105	2098	-.469	.041	-.344	-.636
105	2099	-.488	.044	-.374	-.672
105	2100	-.502	.044	-.386	-.689
105	2101	-.493	.045	-.375	-.689
105	2102	-.491	.045	-.360	-.702
105	2103	-.476	.048	-.298	-.699
105	2104	-.488	.049	-.344	-.706
105	2105	-.466	.048	-.298	-.696
105	2106	-.467	.036	-.352	-.609
105	2107	-.456	.036	-.342	-.589
105	2108	-.462	.038	-.339	-.635
105	2109	-.427	.039	-.312	-.621
105	2110	-.464	.037	-.345	-.599
105	2111	-.450	.037	-.325	-.596
105	2112	-.463	.038	-.339	-.603
105	2113	-.438	.038	-.307	-.570
105	2114	-.441	.041	-.325	-.594
105	2115	-.493	.042	-.327	-.648
105	2116	-.465	.036	-.354	-.608
105	3001	-.479	.052	-.294	-.786
105	3002	-.479	.056	-.301	-.775
105	3003	-.530	.091	-.294	-1.142
105	3004	-.550	.117	-.276	-1.370
105	3005	-.533	.105	-.242	-1.334
105	3006	-.532	.080	-.302	-.898
105	3007	-.543	.092	-.281	-1.102
105	3008	-.526	.063	-.337	-.896
105	3009	-.524	.059	-.335	-.931
105	3010	-.533	.060	-.357	-.874
105	3011	-.490	.053	-.329	-.791
105	3012	-.477	.053	-.288	-.695
105	3013	-.505	.067	-.272	-.802
105	3014	-.498	.067	-.272	-.855
105	3015	-.503	.077	-.267	-.992
105	3016	-.519	.067	-.321	-.876
105	3017	-.521	.055	-.354	-.824
105	3018	-.518	.046	-.379	-.714
105	3019	-.515	.048	-.357	-.721
105	3020	-.527	.048	-.363	-.725
105	3021	-.500	.051	-.360	-.706
105	3022	-.503	.050	-.351	-.731
105	3023	-.514	.058	-.314	-.728
105	3024	-.502	.052	-.330	-.692
105	3025	-.504	.051	-.323	-.748
105	3026	-.522	.050	-.359	-.770
105	3027	-.517	.047	-.365	-.793
105	3028	-.510	.045	-.335	-.700
105	3029	-.505	.046	-.305	-.735
105	3030	-.515	.047	-.312	-.738
105	3031	-.499	.051	-.363	-.703
105	3032	-.495	.046	-.360	-.678
105	3033	-.516	.051	-.336	-.741
105	3034	-.504	.043	-.337	-.665
105	3035	-.502	.042	-.350	-.667
105	3036	-.520	.044	-.393	-.682
105	3037	-.523	.043	-.383	-.681
105	3038	-.512	.041	-.355	-.640
105	3039	-.500	.044	-.350	-.692
105	3040	-.505	.044	-.350	-.770
105	3041	-.480	.043	-.335	-.649
105	3042	-.502	.037	-.371	-.635
105	3043	-.532	.054	-.385	-.730
105	3044	-.517	.046	-.391	-.685
105	3045	-.510	.041	-.355	-.665
105	3046	-.524	.048	-.350	-.689
105	3047	-.510	.041	-.374	-.639
105	3048	-.502	.038	-.364	-.615
105	3049	-.481	.040	-.335	-.624
105	3050	-.484	.040	-.341	-.655
105	3051	-.457	.044	-.322	-.628
105	3052	-.463	.035	-.353	-.590
105	3053	-.502	.047	-.385	-.717
105	3054	-.493	.038	-.375	-.662
105	3055	-.500	.043	-.362	-.649
105	3056	-.476	.055	-.280	-.729
105	3057	-.484	.040	-.338	-.617
105	3058	-.493	.038	-.384	-.810
105	3059	-.466	.037	-.362	-.617
105	3060	-.464	.038	-.359	-.777
105	3061	-.451	.041	-.307	-.608
105	3062	-.458	.036	-.321	-.582
105	3063	-.459	.037	-.338	-.608
105	3064	-.464	.035	-.341	-.586
105	3065	-.460	.039	-.301	-.601
105	3066	-.408	.053	-.156	-.562
105	3067	-.450	.036	-.334	-.563
105	3068	-.476	.037	-.352	-.613
105	3069	-.459	.038	-.330	-.608
105	3070	-.461	.041	-.339	-.673
105	3071	-.468	.040	-.338	-.601
105	3072	-.463	.040	-.344	-.669
105	3073	-.480	.043	-.363	-.641
105	3074	-.485	.044	-.348	-.707
105	3075	-.462	.054	-.303	-.698
105	3076	-.419	.064	-.214	-.763
105	3077	-.444	.054	-.281	-.764
105	3078	-.503	.058	-.321	-.716
105	3079	-.505	.057	-.348	-.719
105	3080	-.500	.057	-.314	-.756
105	3081	-.360	.043	-.160	-.536
105	3082	-.378	.038	-.260	-.508
105	3083	-.425	.041	-.248	-.572
105	3084	-.497	.047	-.353	-.686
105	3085	-.384	.041	-.200	-.544
105	3086	-.378	.038	-.230	-.519
105	3087	-.408	.042	-.272	-.581
105	3088	-.368	.038	-.233	-.492
105	3089	-.464	.034	-.362	-.601
105	3090	-.452	.033	-.328	-.559
105	3091	-.411	.042	-.211	-.592
105	3092	-.364	.044	-.132	-.510
105	3093	-.389	.036	-.241	-.517
105	3094	-.399	.033	-.300	-.516
105	3095	-.388	.036	-.252	-.508
105	3096	-.389	.040	-.244	-.528
105	3097	-.459	.033	-.364	-.581
105	3098	-.447	.036	-.307	-.575
105	3099	-.372	.050	-.179	-.542
105	3100	-.329	.051	-.168	-.496
105	3101	-.355	.040	-.189	-.487
105	3102	-.368	.034	-.271	-.548
105	3103	-.343	.038	-.222	-.506
105	3104	-.328	.041	-.206	-.499
105	3105	-.461	.036	-.344	-.622
105	3106	-.424	.037	-.259	-.550
105	3107	-.323	.050	-.122	-.497
105	3108	-.282	.049	-.087	-.443
105	3109	-.309	.039	-.153	-.430
105	3110	-.329	.033	-.183	-.440
105	3111	-.304	.036	-.186	-.422
105	3112	-.287	.037	-.159	-.416
105	3113	-.443	.033	-.339	-.558
105	3114	-.415	.036	-.289	-.530
105	3115	-.308	.045	-.113	-.458
105	3116	-.267	.044	-.087	-.398
105	3117	-.300	.033	-.182	-.421
105	3118	-.327	.031	-.193	-.440
105	3119	-.301	.034	-.190	-.444
105	3120	-.285	.035	-.168	-.411
105	3122	-.496	.034	-.392	-.612

APPENDIX A -- PRESSURE DATA:

ENERGY CENTER II -- DENVER , COLORADO



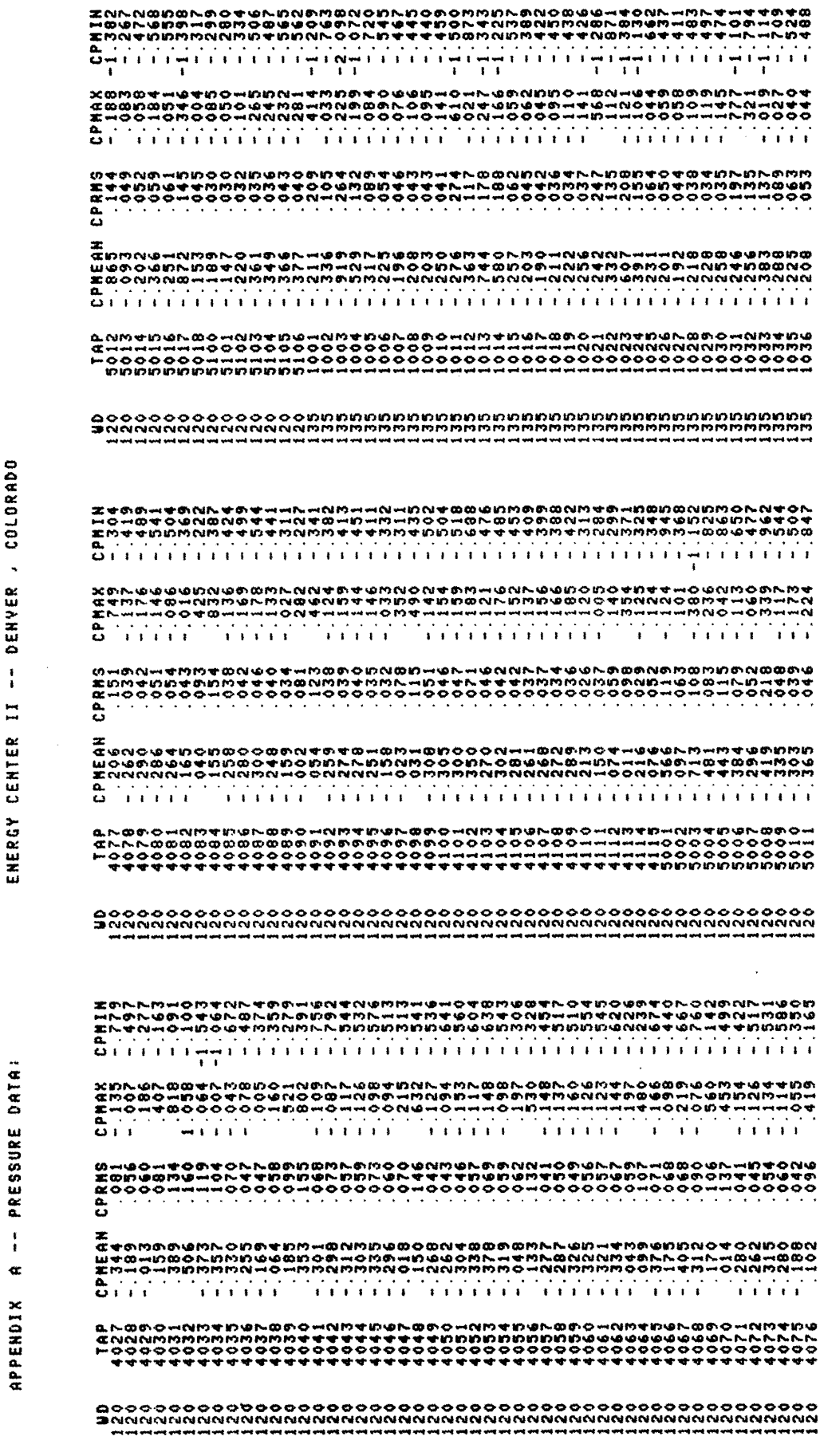
APPENDIX A -- PRESSURE DATA: ENERGY CENTER II -- DENVER , COLORADO



APPENDIX A -- PRESSURE DATA: ENERGY CENTER II -- DENVER , COLORADO

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
120	1133	-.206	.027	-.082	-.301
120	1134	-.254	.028	-.127	-.350
120	1135	.055	.051	.245	-.094
120	1136	.034	.055	.268	-.113
120	1137	-.034	.036	.143	-.129
120	1138	-.105	.028	.014	-.195
120	1139	-.207	.019	-.144	-.269
120	1140	-.276	.028	-.162	-.376
120	1141	.058	.077	.388	-.148
120	2001	-.314	.035	-.205	-.443
120	2002	-.316	.034	-.203	-.437
120	2003	-.313	.033	-.213	-.438
120	2004	-.301	.032	-.210	-.413
120	2005	-.308	.032	-.195	-.414
120	2006	-.329	.040	-.183	-.466
120	2007	-.350	.053	-.165	-.547
120	2008	-.352	.067	-.145	-.593
120	2009	-.309	.033	-.178	-.443
120	2010	-.316	.031	-.204	-.418
120	2011	-.323	.033	-.215	-.435
120	2012	-.321	.033	-.203	-.460
120	2013	-.311	.032	-.194	-.450
120	2014	-.324	.036	-.214	-.458
120	2015	-.351	.049	-.188	-.540
120	2016	-.351	.060	-.196	-.577
120	2017	-.310	.030	-.217	-.422
120	2018	-.324	.030	-.232	-.447
120	2019	-.325	.030	-.242	-.435
120	2020	-.311	.029	-.231	-.423
120	2021	-.321	.033	-.222	-.441
120	2022	-.344	.037	-.234	-.481
120	2023	-.363	.047	-.235	-.566
120	2024	-.379	.062	-.193	-.715
120	2025	-.322	.030	-.229	-.433
120	2026	-.326	.030	-.236	-.445
120	2027	-.326	.030	-.238	-.448
120	2028	-.321	.029	-.231	-.444
120	2029	-.332	.031	-.229	-.473
120	2030	-.346	.035	-.247	-.499
120	2031	-.363	.044	-.226	-.615
120	2032	-.364	.047	-.213	-.626
120	2033	-.316	.029	-.218	-.471
120	2034	-.320	.029	-.222	-.462
120	2035	-.321	.029	-.222	-.465
120	2036	-.317	.028	-.227	-.453
120	2037	-.327	.030	-.234	-.440
120	2038	-.339	.033	-.247	-.499
120	2039	-.356	.041	-.238	-.585
120	2040	-.359	.044	-.218	-.589
120	2041	-.305	.028	-.211	-.399
120	2042	-.310	.028	-.219	-.408
120	2043	-.309	.027	-.224	-.407
120	2044	-.306	.027	-.227	-.404
120	2045	-.317	.028	-.216	-.440
120	2046	-.328	.030	-.231	-.431
120	2047	-.337	.036	-.210	-.506
120	2048	-.338	.039	-.211	-.511
120	2049	-.306	.031	-.204	-.406
120	2050	-.310	.030	-.210	-.422
120	2051	-.307	.030	-.208	-.418
120	2052	-.304	.029	-.215	-.411
120	2053	-.316	.028	-.229	-.420
120	2054	-.329	.032	-.240	-.506
120	2055	-.338	.039	-.226	-.543
120	2056	-.342	.044	-.222	-.557
120	2057	-.319	.029	-.225	-.417
120	2058	-.319	.029	-.229	-.410
120	2059	-.316	.028	-.229	-.407
120	2060	-.315	.027	-.229	-.406
120	2061	-.326	.028	-.229	-.450
120	2062	-.340	.032	-.245	-.480
120	2063	-.351	.038	-.250	-.538
120	2064	-.348	.039	-.240	-.535
120	2065	-.330	.030	-.236	-.461
120	2066	-.320	.031	-.238	-.434
120	2067	-.329	.030	-.243	-.446
120	2068	-.334	.031	-.244	-.480
120	2069	-.349	.029	-.272	-.507
120	2070	-.352	.035	-.245	-.518
120	2071	-.318	.030	-.225	-.422
120	2072	-.309	.028	-.220	-.424
120	2073	-.326	.029	-.243	-.452
120	2074	-.337	.030	-.240	-.443
120	2075	-.350	.033	-.261	-.492
120	2076	-.350	.035	-.251	-.495
120	2077	-.347	.035	-.260	-.519
120	2078	-.327	.029	-.250	-.438
120	2079	-.326	.028	-.245	-.432
120	2080	-.326	.029	-.253	-.426
120	2081	-.339	.031	-.257	-.473
120	2082	-.346	.032	-.257	-.476
120	2083	-.343	.032	-.257	-.518
120	2084	-.335	.032	-.253	-.520
120	2085	-.330	.031	-.229	-.468
120	2086	-.330	.031	-.229	-.466
120	2087	-.333	.031	-.243	-.476
120	2088	-.331	.031	-.240	-.462
120	2089	-.340	.032	-.257	-.447
120	2090	-.339	.032	-.259	-.450
120	2091	-.338	.032	-.250	-.453
120	2092	-.319	.034	-.229	-.446
120	2093	-.324	.033	-.227	-.424
120	2094	-.329	.032	-.238	-.429
120	2095	-.332	.032	-.245	-.434
120	2096	-.328	.032	-.251	-.433
120	2097	-.337	.034	-.243	-.487
120	2098	-.339	.034	-.236	-.501
120	2099	-.363	.041	-.251	-.559
120	2100	-.374	.042	-.264	-.572
120	2101	-.359	.041	-.252	-.568
120	2102	-.369	.042	-.251	-.576
120	2103	-.358	.041	-.205	-.588
120	2104	-.363	.041	-.204	-.563
120	2105	-.344	.041	-.195	-.554
120	2106	-.358	.036	-.258	-.506
120	2107	-.344	.035	-.238	-.491
120	2108	-.346	.035	-.243	-.491
120	2109	-.324	.035	-.211	-.476
120	2110	-.354	.034	-.260	-.499
120	2111	-.340	.034	-.246	-.491
120	2112	-.349	.034	-.248	-.495
120	2113	-.327	.034	-.229	-.479
120	2114	-.339	.034	-.229	-.461
120	2115	-.371	.040	-.265	-.518
120	2116	-.352	.034	-.250	-.462
120	3001	-.376	.079	-.144	-.720
120	3002	-.396	.079	-.186	-.851
120	3003	-.391	.093	-.124	-.852
120	3004	-.396	.103	-.118	-.950
120	3005	-.400	.122	-.103	-.893
120	3006	-.418	.129	-.065	-1.066
120	3007	-.438	.131	-.080	-1.025
120	3008	-.481	.134	-.148	-1.125
120	3009	-.486	.143	-.142	-1.199
120	3010	-.529	.194	-.216	-2.359
120	3011	-.374	.072	-.167	-.722
120	3012	-.368	.068	-.177	-.685
120	3013	-.387	.081	-.169	-.748
120	3014	-.390	.089	-.150	-.852
120	3015	-.402	.110	-.092	-.954
120	3016	-.420	.107	-.090	-1.044
120	3017	-.427	.118	-.049	-.941
120	3018	-.453	.129	-.118	-1.178
120	3019	-.484	.166	-.135	-1.361
120	3020	-.516	.175	-.137	-1.349
120	3021	-.371	.061	-.205	-.868
120	3022	-.379	.067	-.192	-.939
120	3023	-.379	.068	-.180	-.657
120	3024	-.379	.071	-.170	-.673
120	3025	-.390	.084	-.065	-.754

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
120	3026	-.415	.094	-.076	-.765
120	3027	-.420	.098	-.058	-.805
120	3028	-.422	.110	.031	-.892
120	3029	-.422	.126	-.074	-1.361
120	3030	-.438	.135	-.110	-1.523
120	3031	-.372	.055	-.207	-.830
120	3032	-.377	.064	-.191	-.953
120	3033	-.369	.058	-.177	-.608
120	3034	-.364	.060	-.161	-.601
120	3035	-.371	.073	-.103	-.668
120	3036	-.407	.083	.007	-.679
120	3037	-.404	.091	-.067	-.732
120	3038	-.402	.095	-.034	-.923
120	3039	-.394	.112	-.081	-1.095
120	3040	-.408	.116	-.092	-1.311
120	3041	-.359	.052	-.214	-.740
120	3042	-.367	.063	-.226	-.724
120	3043	-.352	.048	-.184	-.632
120	3044	-.344	.049	-.132	-.550
120	3045	-.336	.060	-.083	-.529
120	3046	-.369	.068	-.115	-.619
120	3047	-.388	.070	-.140	-.619
120	3048	-.386	.071	-.143	-.733
120	3049	-.370	.083	-.151	-.756
120	3050	-.383	.100	-.056	-1.536
120	3051	-.343	.047	-.216	-.585
120	3052	-.341	.050	-.215	-.579
120	3053	-.342	.034	-.224	-.464
120	3054	-.335	.037	-.148	-.463
120	3055	-.308	.050	-.072	-.470
120	3056	-.304	.057	.079	-.504
120	3057	-.332	.056	-.104	-.510
120	3058	-.338	.052	-.174	-.514
120	3059	-.318	.058	-.151	-.661
120	3060	-.321	.065	-.153	-1.008
120	3061	-.340	.045	-.232	-.560
120	3062	-.342	.047	-.228	-.638
120	3063	-.339	.034	-.244	-.477
120	3064	-.322	.031	-.203	-.447
120	3065	-.276	.047	-.040	-.472
120	3066	-.250	.055	-.029	-.443
120	3067	-.281	.040	-.091	-.437
120	3068	-.296	.035	-.188	-.418
120	3069	-.280	.038	-.151	-.450
120	3070	-.283	.042	-.153	-.547
120	3071	-.345	.037	-.223	-.576
120	3072	-.343	.043	-.224	-.592
120	3073	-.352	.042	-.233	-.535
120	3074	-.329	.041	-.221	-.512
120	3075	-.274	.052	-.101	-.475
120	3076	-.255	.055	-.097	-.538
120	3077	-.287	.048	-.149	-.495
120	3078	-.298	.042	-.163	-.501
120	3079	-.287	.044	-.146	-.576
120	3080	-.289	.044	-.169	-.542
120	3081	-.255	.042	-.110	-.459
120	3082	-.272	.032	-.175	-.391
120	3083	-.271	.043	-.106	-.436
120	3084	-.316	.039	-.185	-.464
120	3085	-.220	.046	-.056	-.380
120	3086	-.269	.041	-.131	-.430
120	3087	-.281	.032	-.184	-.397
120	3088	-.262	.033	-.152	-.380
120	3089	-.322	.030	-.238	-.427
120	3090	-.295	.032	-.199	-.407
120	3091	-.244	.045	-.036	-.394
120	3092	-.219	.040	-.093	-.375
120	3093	-.262	.038	-.112	-.398
120	3094	-.271	.036	-.152	-.394
120	3095	-.259	.033	-.124	-.410
120	3096	-.246	.035	-.093	-.361
120	3097	-.326	.031	-.218	-.425
120	3098	-.306	.033	-.201	-.405
120	3099	-.249	.049	-.050	-.385
120	3100	-.230	.041	-.055	-.357
120	3101	-.271	.040	-.101	-.425
120	3102	-.269	.035	-.170	-.385
120	3103	-.251	.032	-.146	-.374
120	3104	-.235	.033	-.120	-.350
120	3105	-.321	.035	-.223	-.445
120	3106	-.296	.036	-.185	-.427
120	3107	-.242	.049	-.014	-.414
120	3108	-.224	.042	-.058	-.403
120	3109	-.276	.041	-.137	-.411
120	3110	-.275	.038	-.163	-.400
120	3111	-.256	.033	-.153	-.398
120	3112	-.240	.034	-.140	-.379
120	3113	-.317	.032	-.220	-.432
120	3114	-.295	.034	-.188	-.412
120	3115	-.236	.042	-.059	-.374
120	3116	-.222	.038	-.033	-.341
120	3117	-.266	.040	-.126	-.411
120	3118	-.277	.044	-.154	-.432
120	3119	-.258	.035	-.124	-.385
120	3120	-.242	.035	-.102	-.370
120	3122	-.340	.026	-.265	-.440
120	3123	-.340	.043	-.232	-.544
120	3124	-.351	.043	-.237	-.562
120	3125	-.326	.037	-.216	-.462
120	3126	-.315	.032	-.231	-.424
120	3127	-.295	.039	-.178	-.444
120	3128	-.242	.040	-.101	-.364
120	3129	-.340	.086	-.155	-.688
120	3130	-.302	.049	-.171	-.449
120	3131	-.291	.047	-.150	-.469
120	3132	-.316	.058	-.167	-.564
120	3133	-.340	.060	-.146	-.589
120	3134	-.305	.051	-.193	-.507
120	3135	-.298	.047	-.153	-.453
120	3136	-.314	.051	-.155	-.527
120	3137	-.341	.065	-.192	-.645
120	3138	-.321	.057	-.202	-.550
120	3139	-.269	.041	-.129	-.420
120	3140	-.315	.035	-.197	-.456
120	3141	-.328	.038	-.192	-.467
120	3142	-.225	.031	-.112	-.332
120	3143	-.257	.040	-.103	-.451
120	3144	-.314	.035	-.202	-.451
120	3145	-.321	.038	-.195	-.448
120	3146	-.205	.036	-.065	-.337
120	3147	-.236	.040	-.063	-.378
120	3148	-.254	.041	-.092	-.402
120	3149	-.296	.051	-.122	-.507
120	3150	-.308	.045	-.186	-.469
120	4001	-.420	.093	-.115	-.951
120	4002	-.846	.283	-.235	-2.087
120	4003	.034	.115	.540	-.333
120	4004	.297	.136	.732	-.098
120	4005	.359	.144	.816	-.090
120	4006	.375	.147	.814	-.090
120	4007	.404	.152	.799	-.074
120	4008	.437	.148	.860	-.053
120	4009	-.498	.125	-.135	-1.126
120	4010	-.752	.298	-.139	-2.044
120	4011	-.084	.109	.360	-.592
120	4012	.251	.127	.711	-.225
120	4013	.438	.147	.931	-.122
120	4014	.509	.157	.978	.016
120	4015	.584	.165	1.117	.054
120	4016	.573	.154	1.108	.075
120	4017	-.469	.143	-.137	-1.462
120	4018	-.546	.257	-.158	-1.911
120	4019	-.245	.098	.025	-.785
120	4020	.014	.079	.326	-.390
120	4021	.230	.095	.497	-.085
120	4022	.385	.124	.760	-.045
120	4023	.538	.153	1.085	.072
120	4024	.563	.165	1.020	-.136
120	4025	-.412	.128	-.064	-1.146
120	4026	-.420	.152	-.105	-1.559


APPENDIX A -- PRESSURE DATA:
ENERGY CENTER II -- DENVER , COLORADO
CPMIN
CPMAX
CPRMS
CPMEAN
TAP
WD

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
135	1037	-.189	.046	-.045	-.430
135	1038	-.218	.038	-.082	-.456
135	1039	-.227	.035	-.106	-.431
135	1040	-.255	.034	-.165	-.521
135	1041	-.205	.146	.636	-.645
135	1042	-.217	.125	.373	-.576
135	1043	-.274	.098	.076	-.824
135	1044	-.247	.084	.031	-.611
135	1045	-.216	.070	.004	-.557
135	1046	-.206	.055	-.009	-.474
135	1047	-.195	.047	-.054	-.413
135	1048	-.224	.038	-.097	-.379
135	1049	-.231	.034	-.106	-.387
135	1050	-.257	.032	-.145	-.420
135	1051	-.175	.130	.498	-.702
135	1052	-.178	.121	.360	-.840
135	1053	-.250	.089	.039	-.831
135	1054	-.226	.081	.104	-.645
135	1055	-.198	.067	.015	-.489
135	1056	-.188	.053	-.022	-.395
135	1057	-.191	.045	-.063	-.387
135	1058	-.224	.038	-.120	-.401
135	1059	-.232	.033	-.136	-.431
135	1060	-.255	.030	-.169	-.428
135	1061	-.146	.107	.342	-.511
135	1062	-.176	.104	.278	-.576
135	1063	-.245	.085	.048	-.727
135	1064	-.213	.067	.011	-.603
135	1065	-.183	.052	-.004	-.445
135	1066	-.177	.042	-.024	-.356
135	1067	-.175	.036	-.056	-.320
135	1068	-.210	.032	-.082	-.357
135	1069	-.225	.029	-.123	-.352
135	1070	-.251	.032	-.154	-.380
135	1071	-.153	.080	.227	-.462
135	1072	-.155	.075	.182	-.429
135	1073	-.202	.057	.000	-.619
135	1074	-.207	.059	-.020	-.643
135	1075	-.176	.051	-.011	-.473
135	1076	-.174	.043	-.013	-.384
135	1077	-.176	.041	-.039	-.413
135	1078	-.213	.034	-.109	-.414
135	1079	-.229	.033	-.139	-.409
135	1080	-.263	.034	-.149	-.448
135	1081	-.176	.033	-.048	-.321
135	1082	-.213	.026	-.116	-.334
135	1083	-.207	.047	.002	-.443
135	1084	-.181	.051	.051	-.407
135	1085	-.186	.037	-.027	-.387
135	1086	-.187	.031	-.051	-.323
135	1087	-.219	.026	-.134	-.348
135	1088	-.202	.031	-.058	-.348
135	1089	-.193	.058	.031	-.506
135	1090	-.198	.054	.046	-.510
135	1091	-.183	.041	-.031	-.380
135	1092	-.171	.035	-.014	-.282
135	1093	-.176	.033	-.067	-.352
135	1094	-.201	.029	-.073	-.378
135	1095	-.231	.026	-.143	-.344
135	1096	-.238	.028	-.150	-.346
135	1097	-.193	.047	.041	-.397
135	1098	-.194	.043	.005	-.393
135	1099	-.187	.036	-.048	-.344
135	1100	-.173	.034	-.030	-.325
135	1101	-.176	.031	-.041	-.289
135	1102	-.195	.028	-.088	-.312
135	1103	-.228	.024	-.140	-.327
135	1104	-.238	.028	-.141	-.369
135	1105	-.190	.034	-.055	-.323
135	1106	-.194	.034	-.061	-.303
135	1107	-.187	.032	-.060	-.285
135	1108	-.172	.030	-.055	-.263
135	1109	-.169	.030	-.034	-.330
135	1110	-.186	.026	-.085	-.322
135	1111	-.236	.007	.261	-.210
135	1112	-.036	.008	-.009	-.069
135	1113	-.185	.028	-.051	-.289
135	1114	-.191	.029	-.061	-.288
135	1115	-.187	.030	-.044	-.300
135	1116	-.170	.030	-.044	-.277
135	1117	-.162	.029	-.041	-.260
135	1118	-.173	.025	-.085	-.254
135	1119	-.196	.023	-.073	-.290
135	1120	-.203	.025	-.085	-.358
135	1121	-.181	.035	-.014	-.311
135	1122	-.186	.034	-.035	-.327
135	1123	-.172	.032	-.067	-.250
135	1124	-.166	.035	-.009	-.278
135	1125	-.160	.026	-.033	-.248
135	1126	-.178	.026	-.054	-.282
135	1127	-.169	.018	-.089	-.228
135	1128	-.184	.031	-.037	-.306
135	1129	-.170	.037	-.005	-.278
135	1130	-.176	.037	-.026	-.275
135	1131	-.157	.026	-.058	-.230
135	1132	-.159	.027	.019	-.252
135	1133	-.172	.023	-.065	-.259
135	1134	-.185	.022	-.093	-.282
135	1135	-.168	.027	-.069	-.228
135	1136	-.175	.037	-.014	-.271
135	1137	-.161	.031	-.040	-.248
135	1138	-.163	.031	.044	-.252
135	1139	-.171	.017	-.083	-.223
135	1140	-.184	.022	-.089	-.250
135	1141	-.138	.040	.023	-.248
135	2001	-.270	.043	-.147	-.460
135	2002	-.272	.040	-.159	-.425
135	2003	-.271	.040	-.152	-.494
135	2004	-.255	.037	-.150	-.457
135	2005	-.257	.035	-.132	-.482
135	2006	-.270	.041	-.139	-.451
135	2007	-.278	.050	-.131	-.585
135	2008	-.269	.056	-.122	-.665
135	2009	-.260	.039	-.154	-.460
135	2010	-.267	.037	-.166	-.424
135	2011	-.272	.040	-.165	-.491
135	2012	-.272	.038	-.169	-.455
135	2013	-.259	.034	-.152	-.399
135	2014	-.258	.034	-.152	-.412
135	2015	-.273	.043	-.134	-.464
135	2016	-.270	.045	-.139	-.464
135	2017	-.259	.039	-.149	-.491
135	2018	-.272	.041	-.163	-.576
135	2019	-.273	.038	-.172	-.503
135	2020	-.258	.035	-.157	-.432
135	2021	-.257	.031	-.171	-.407
135	2022	-.270	.032	-.173	-.403
135	2023	-.282	.038	-.167	-.491
135	2024	-.283	.042	-.144	-.512
135	2025	-.263	.037	-.162	-.495
135	2026	-.269	.038	-.156	-.509
135	2027	-.266	.035	-.154	-.517
135	2028	-.260	.033	-.144	-.502
135	2029	-.257	.030	-.159	-.358
135	2030	-.266	.029	-.163	-.407
135	2031	-.272	.033	-.170	-.418
135	2032	-.271	.037	-.161	-.455
135	2033	-.263	.036	-.173	-.545
135	2034	-.269	.038	-.179	-.591
135	2035	-.267	.036	-.182	-.522
135	2036	-.261	.033	-.177	-.449
135	2037	-.260	.029	-.180	-.377
135	2038	-.267	.030	-.177	-.460
135	2039	-.273	.035	-.179	-.480
135	2040	-.271	.038	-.144	-.486
135	2041	-.266	.031	-.159	-.550
135	2042	-.272	.032	-.181	-.498
135	2043	-.266	.030	-.170	-.441
135	2044	-.261	.028	-.168	-.407
135	2045	-.268	.028	-.176	-.393

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
135	2046	-.277	.033	-.184	-.460
135	2047	-.279	.043	-.159	-.598
135	2048	-.275	.045	-.161	-.570
135	2049	-.279	.042	-.157	-.499
135	2050	-.287	.043	-.167	-.547
135	2051	-.283	.041	-.168	-.526
135	2052	-.276	.036	-.179	-.444
135	2053	-.278	.032	-.180	-.404
135	2054	-.281	.036	-.174	-.484
135	2055	-.291	.057	-.166	-.726
135	2056	-.291	.063	-.152	-.729
135	2057	-.299	.044	-.183	-.557
135	2058	-.293	.040	-.177	-.535
135	2059	-.296	.042	-.175	-.513
135	2060	-.295	.043	-.186	-.517
135	2061	-.312	.045	-.180	-.508
135	2062	-.305	.053	-.165	-.665
135	2063	-.307	.059	-.154	-.559
135	2064	-.296	.057	-.135	-.535
135	2065	-.258	.045	-.111	-.476
135	2066	-.255	.032	-.151	-.428
135	2067	-.284	.046	-.156	-.501
135	2068	-.232	.031	-.146	-.371
135	2069	-.247	.034	-.161	-.380
135	2070	-.232	.042	-.107	-.407
135	2071	-.261	.034	-.161	-.394
135	2072	-.252	.032	-.157	-.418
135	2073	-.259	.032	-.164	-.418
135	2074	-.251	.029	-.165	-.400
135	2075	-.243	.040	-.145	-.536
135	2076	-.237	.045	-.128	-.530
135	2077	-.240	.048	-.111	-.492
135	2078	-.263	.041	-.140	-.537
135	2079	-.269	.041	-.156	-.543
135	2080	-.273	.039	-.157	-.513
135	2081	-.255	.035	-.141	-.423
135	2082	-.247	.050	-.123	-.528
135	2083	-.246	.056	-.126	-.628
135	2084	-.235	.054	-.117	-.683
135	2085	-.244	.037	-.118	-.391
135	2086	-.255	.039	-.137	-.433
135	2087	-.265	.044	-.101	-.409
135	2088	-.235	.037	-.093	-.402
135	2089	-.241	.056	-.086	-.638
135	2090	-.248	.062	-.079	-.609
135	2091	-.240	.058	-.074	-.658
135	2092	-.231	.043	-.115	-.391
135	2093	-.247	.049	-.116	-.495
135	2094	-.244	.044	-.102	-.437
135	2095	-.226	.036	-.051	-.377
135	2096	-.232	.050	-.110	-.568
135	2097	-.230	.057	-.095	-.719
135	2098	-.230	.058	-.091	-.630
135	2099	-.216	.042	-.099	-.375
135	2100	-.226	.042	-.108	-.393
135	2101	-.197	.039	-.091	-.381
135	2102	-.202	.037	-.094	-.409
135	2103	-.192	.035	-.072	-.452
135	2104	-.204	.037	-.101	-.451
135	2105	-.189	.036	-.075	-.402
135	2106	-.217	.027	-.132	-.315
135	2107	-.207	.027	-.132	-.315
135	2108	-.201	.024	-.125	-.283
135	2109	-.182	.023	-.091	-.274
135	2110	-.215	.027	-.130	-.322
135	2111	-.197	.024	-.115	-.296
135	2112	-.205	.024	-.127	-.302
135	2113	-.187	.025	-.119	-.285
135	2114	-.201	.026	-.101	-.296
135	2115	-.198	.024	-.120	-.301
135	2116	-.201	.024	-.113	-.295
135	3001	-.268	.056	-.134	-.662
135	3002	-.300	.063	-.161	-.671
135	3003	-.257	.063	-.098	-.720
135	3004	-.246	.073	-.058	-.715
135	3005	-.245	.093	.038	-.768
135	3006	-.231	.114	.091	-.970
135	3007	-.191	.129	.154	-.861
135	3008	-.192	.139	.205	-.929
135	3009	-.274	.170	.201	-1.044
135	3010	-.417	.221	.204	-1.788
135	3011	-.279	.048	-.152	-.589
135	3012	-.271	.046	-.127	-.662
135	3013	-.269	.051	-.120	-.678
135	3014	-.251	.066	-.065	-.785
135	3015	-.225	.086	.029	-.703
135	3016	-.202	.096	.091	-.607
135	3017	-.156	.108	.192	-.653
135	3018	-.146	.112	.200	-.589
135	3019	-.194	.144	.201	-.854
135	3020	-.267	.165	.190	-1.196
135	3021	-.279	.043	-.139	-.548
135	3022	-.283	.048	-.170	-.572
135	3023	-.259	.047	-.078	-.535
135	3024	-.234	.059	-.040	-.558
135	3025	-.191	.081	.111	-.583
135	3026	-.186	.087	.100	-.596
135	3027	-.159	.092	.189	-.593
135	3028	-.147	.092	.243	-.718
135	3029	-.151	.093	.269	-.669
135	3030	-.185	.097	.131	-.673
135	3031	-.277	.041	-.145	-.480
135	3032	-.270	.043	-.167	-.506
135	3033	-.249	.043	-.058	-.537
135	3034	-.216	.053	.031	-.481
135	3035	-.155	.079	.133	-.522
135	3036	-.157	.079	.086	-.503
135	3037	-.160	.075	.087	-.457
135	3038	-.162	.067	.108	-.459
135	3039	-.163	.065	.088	-.447
135	3040	-.190	.069	.045	-.530
135	3041	-.266	.036	-.154	-.461
135	3042	-.262	.037	-.166	-.520
135	3043	-.249	.037	-.091	-.408
135	3044	-.209	.047	.022	-.398
135	3045	-.097	.074	.513	-.382
135	3046	-.093	.064	.186	-.340
135	3047	-.131	.060	.172	-.381
135	3048	-.167	.052	.106	-.394
135	3049	-.185	.049	.043	-.409
135	3050	-.219	.060	.002	-.573
135	3051	-.275	.041	-.159	-.480
135	3052	-.259	.039	-.154	-.473
135	3053	-.244	.038	-.080	-.426
135	3054	-.190	.044	.007	-.371
135	3055	-.061	.072	.493	-.298
135	3056	-.036	.064	.270	-.238
135	3057	-.070	.056	.198	-.281
135	3058	-.126	.054	.106	-.292
135	3059	-.163	.047	.127	-.328
135	3060	-.199	.048	.063	-.383
135	3061	-.291	.065	-.152	-.642
135	3062	-.284	.065	-.130	-.704
135	3063	-.248	.045	-.091	-.515
135	3064	-.186	.041	.004	-.342
135	3065	-.069	.056	.235	-.206
135	3066	-.036	.052	.190	-.190
135	3067	-.063	.048	.207	-.218
135	3068	-.112	.050	.110	-.279
135	3069	-.146	.046	.122	-.303
135	3070	-.185	.041	-.011	-.344
135	3071	-.293	.055	-.154	-.627
135	3072	-.286	.062	-.147	-.666
135	3073	-.260	.043	-.138	-.446
135	3074	-.192	.035	-.038	-.322
135	3075	-.114	.043	.095	-.262
135	3076	-.079	.044	.127	-.240
135	3077	-.087	.040	.065	-.214
135	3078	-.121	.038	.085	-.263
135	3079	-.145	.037	.029	-.289

APPENDIX A -- PRESSURE DATA: ENERGY CENTER II -- DENVER , COLORADO

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
135	3080	-.181	.037	-.032	-.329
135	3081	-.090	.040	.090	-.215
135	3082	-.156	.034	.007	-.263
135	3083	-.141	.042	.058	-.264
135	3084	-.212	.036	-.022	-.343
135	3085	-.096	.046	.114	-.243
135	3086	-.089	.040	.057	-.222
135	3087	-.156	.036	.016	-.276
135	3088	-.137	.037	-.034	-.250
135	3089	-.213	.036	-.098	-.373
135	3090	-.168	.038	.056	-.298
135	3091	-.092	.049	.219	-.230
135	3092	-.056	.043	.119	-.180
135	3093	-.071	.041	.114	-.199
135	3094	-.099	.038	.083	-.233
135	3095	-.140	.030	.020	-.266
135	3096	-.148	.028	-.024	-.268
135	3097	-.204	.037	-.092	-.378
135	3098	-.174	.032	-.045	-.301
135	3099	-.105	.037	.083	-.226
135	3100	-.069	.037	.156	-.207
135	3101	-.082	.033	.103	-.197
135	3102	-.105	.028	.020	-.193
135	3103	-.144	.026	-.022	-.288
135	3104	-.150	.026	-.011	-.240
135	3105	-.198	.039	-.083	-.371
135	3106	-.165	.031	-.020	-.278
135	3107	-.107	.034	.112	-.208
135	3108	-.071	.034	.068	-.189
135	3109	-.087	.033	.087	-.188
135	3110	-.106	.028	.052	-.193
135	3111	-.145	.025	-.033	-.239
135	3112	-.153	.028	-.066	-.253
135	3113	-.184	.030	-.054	-.329
135	3114	-.152	.030	.007	-.269
135	3115	-.091	.040	.116	-.201
135	3116	-.058	.040	.189	-.165
135	3117	-.074	.033	.054	-.168
135	3118	-.104	.026	.009	-.188
135	3119	-.147	.028	-.029	-.270
135	3120	-.156	.027	-.070	-.257
135	3122	-.202	.020	-.127	-.270
135	3123	-.209	.027	-.131	-.303
135	3124	-.217	.030	-.135	-.313
135	3125	-.198	.028	-.030	-.306
135	3126	-.182	.016	-.127	-.246
135	3127	-.134	.042	.082	-.261
135	3128	-.083	.045	.142	-.201
135	3129	-.128	.056	.117	-.422
135	3130	-.106	.029	-.013	-.188

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
135	3131	-.100	.031	.058	-.184
135	3132	-.118	.030	-.014	-.264
135	3133	-.175	.053	-.049	-.539
135	3134	-.130	.017	-.060	-.176
135	3135	-.151	.024	-.042	-.236
135	3136	-.165	.033	-.049	-.341
135	3137	-.165	.025	-.075	-.271
135	3138	-.156	.018	-.078	-.212
135	3139	-.166	.030	-.068	-.280
135	3140	-.170	.026	-.054	-.280
135	3141	-.155	.035	.014	-.294
135	3142	-.072	.034	.054	-.174
135	3143	-.060	.042	.147	-.238
135	3144	-.166	.027	-.044	-.252
135	3145	-.141	.038	.093	-.252
135	3146	-.048	.041	.127	-.159
135	3147	-.047	.047	.170	-.184
135	3148	-.046	.048	.213	-.175
135	3149	-.056	.050	.182	-.222
135	3150	-.145	.025	-.051	-.234
135	4001	-.156	.130	.277	-.677
135	4002	-.180	.230	.545	-1.379
135	4003	.160	.228	.840	-.507
135	4004	.249	.237	.934	-.488
135	4005	.286	.227	.979	-.447
135	4006	.295	.221	1.014	-.417
135	4007	.317	.218	.982	-.339
135	4008	.213	.202	.800	-.481
135	4009	-.193	.124	.253	-.823
135	4010	-.275	.209	.457	-1.254
135	4011	-.081	.176	.717	-.748
135	4012	-.008	.170	.663	-.567
135	4013	.057	.168	.684	-.473
135	4014	.088	.162	.630	-.367
135	4015	.138	.210	.859	-.413
135	4016	.056	.231	.802	-.655
135	4017	-.184	.094	.110	-.807
135	4018	-.265	.146	.132	-1.243
135	4019	-.242	.100	.130	-.627
135	4020	-.217	.093	.152	-.622
135	4021	-.194	.093	.150	-.619
135	4022	-.162	.102	.262	-.579
135	4023	-.129	.146	.505	-.632
135	4024	-.124	.209	.612	-.884
135	4025	-.199	.078	.046	-.505
135	4026	-.217	.080	-.005	-.750
135	4027	-.242	.073	-.053	-.704
135	4028	-.241	.071	-.026	-.596
135	4029	-.247	.075	-.039	-.542
135	4030	-.234	.082	.060	-.568

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
135	4031	-.214	.104	.184	-.573
135	4032	-.200	.138	.380	-.640
135	4033	-.231	.072	.005	-.576
135	4034	-.238	.076	-.005	-.644
135	4035	-.249	.075	-.062	-.640
135	4036	-.217	.062	-.044	-.546
135	4037	-.232	.069	-.034	-.560
135	4038	-.237	.082	.012	-.646
135	4039	-.237	.090	.039	-.598
135	4040	-.223	.109	.194	-.601
135	4041	-.206	.065	.000	-.530
135	4042	-.211	.062	-.037	-.607
135	4043	-.217	.059	-.051	-.619
135	4044	-.196	.053	-.059	-.570
135	4045	-.199	.050	-.046	-.421
135	4046	-.210	.056	-.058	-.554
135	4047	-.213	.060	-.030	-.492
135	4048	-.198	.084	.142	-.645
135	4049	-.202	.057	-.075	-.489
135	4050	-.199	.044	-.081	-.459
135	4051	-.206	.042	-.087	-.442
135	4052	-.187	.040	-.072	-.417
135	4053	-.191	.038	-.066	-.380
135	4054	-.198	.042	-.078	-.466
135	4055	-.191	.049	-.044	-.516
135	4056	-.166	.071	.159	-.738
135	4057	-.200	.054	-.034	-.523
135	4058	-.192	.036	-.090	-.355
135	4059	-.203	.039	-.092	-.398
135	4060	-.183	.034	-.076	-.328
135	4061	-.185	.032	-.084	-.341
135	4062	-.194	.038	-.067	-.415
135	4063	-.179	.039	-.028	-.382
135	4064	-.150	.050	.125	-.365
135	4065	-.184	.032	-.096	-.344
135	4066	-.185	.032	-.106	-.355
135	4067	-.202	.032	-.104	-.361
135	4068	-.183	.034	-.072	-.385
135	4069	-.159	.041	.079	-.308
135	4070	-.159	.044	.134	-.374
135	4071	-.180	.031	-.094	-.305
135	4072	-.175	.032	-.096	-.315
135	4073	-.183	.031	-.086	-.309
135	4074	-.188	.032	-.067	-.314
135	4075	-.189	.032	-.062	-.331
135	4076	-.153	.037	.009	-.347
135	4077	-.144	.052	.198	-.360
135	4078	-.180	.031	-.078	-.328
135	4079	-.193	.031	-.094	-.348
135	4080	-.181	.030	-.092	-.293

APPENDIX A -- PRESSURE DATA: ENERGY CENTER II -- DENVER , COLORADO

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
135	4081	-.187	.033	-.080	-.323
135	4082	-.187	.034	-.072	-.337
135	4083	-.179	.035	-.025	-.366
135	4084	-.159	.040	.028	-.345
135	4085	-.177	.029	-.084	-.312
135	4086	-.186	.030	-.099	-.309
135	4087	-.200	.029	-.110	-.315
135	4088	-.181	.029	-.094	-.302
135	4089	-.176	.032	-.089	-.323
135	4090	-.169	.031	-.028	-.314
135	4091	-.179	.033	.039	-.352
135	4092	-.185	.032	-.094	-.332
135	4093	-.184	.034	-.057	-.296
135	4094	-.192	.033	-.072	-.302
135	4095	-.200	.032	-.092	-.311
135	4096	-.174	.031	-.070	-.275
135	4097	-.166	.033	-.041	-.323
135	4098	-.175	.034	.007	-.328
135	4099	-.187	.047	-.064	-.358
135	4100	-.183	.033	-.087	-.346
135	4101	-.169	.025	-.084	-.265
135	4102	-.171	.025	-.086	-.355
135	4103	-.158	.024	-.078	-.272
135	4104	-.168	.029	-.060	-.284
135	4105	-.155	.024	-.063	-.238
135	4106	-.170	.025	-.089	-.259
135	4107	-.184	.036	-.094	-.413
135	4108	-.206	.035	-.111	-.332
135	4109	-.198	.034	-.115	-.337
135	4110	-.203	.034	-.115	-.372
135	4111	-.179	.032	-.073	-.319
135	4112	-.180	.030	-.060	-.308
135	4113	-.173	.030	-.034	-.289
135	4114	-.183	.028	-.096	-.285
135	4115	-.163	.026	-.050	-.246
135	5001	-.396	.143	.177	-.974
135	5002	-.154	.074	.087	-.456
135	5003	-.429	.166	.106	-1.053
135	5004	-.327	.091	-.050	-.868
135	5005	-.173	.085	.070	-.522
135	5006	-.191	.090	.091	-.551
135	5007	-.189	.066	-.002	-.503
135	5008	.016	.208	.809	-.644
135	5009	-.283	.055	-.115	-.574
135	5010	-.211	.049	-.081	-.480
135	5011	-.259	.060	-.118	-.621
135	5012	-.504	.149	.079	-1.055
135	5013	-.220	.057	.100	-.500
135	5014	-.212	.044	-.031	-.399
135	5015	-.226	.045	-.105	-.472

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
135	5016	-.163	.053	.046	-.407
135	5017	-.436	.123	-.074	-1.028
135	5018	-.081	.058	.178	-.277
135	5100	-.131	.021	-.031	-.218
135	5101	-.128	.024	.004	-.210
135	5102	-.146	.021	-.066	-.246
135	5103	-.286	.057	-.142	-.703
135	5104	-.271	.059	-.157	-1.128
135	5105	-.196	.022	-.138	-.296
135	5106	-.212	.023	-.145	-.303
150	1001	-.555	.303	.244	-2.044
150	1002	-.470	.149	-.035	-1.080
150	1003	-1.000	.320	-.274	-2.294
150	1004	-.615	.188	-.195	-1.779
150	1005	-.523	.154	-.131	-1.210
150	1006	-.377	.101	-.091	-.781
150	1007	-.327	.088	-.071	-.691
150	1008	-.316	.071	-.081	-.669
150	1009	-.283	.061	-.098	-.617
150	1010	-.279	.052	-.144	-.511
150	1011	-.698	.322	-.183	-1.854
150	1012	-.558	.134	-.175	-1.225
150	1013	-.869	.201	-.334	-1.701
150	1014	-.755	.209	-.279	-1.711
150	1015	-.382	.088	-.126	-.854
150	1016	-.319	.083	-.004	-.828
150	1017	-.302	.084	-.032	-.732
150	1018	-.311	.073	-.059	-.654
150	1019	-.288	.058	-.078	-.551
150	1020	-.285	.048	-.130	-.522
150	1021	-.698	.275	-.083	-1.902
150	1022	-.548	.121	-.139	-1.189
150	1023	-.712	.180	-.154	-1.508
150	1024	-.644	.171	-.164	-1.379
150	1025	-.383	.102	-.081	-.950
150	1026	-.286	.061	-.080	-.676
150	1027	-.259	.055	-.058	-.524
150	1028	-.276	.054	-.099	-.529
150	1029	-.276	.050	-.096	-.527
150	1030	-.297	.048	-.159	-.507
150	1031	-.693	.227	-.005	-1.623
150	1032	-.529	.181	-.121	-1.375
150	1033	-.619	.175	-.193	-1.543
150	1034	-.556	.150	-.162	-1.180
150	1035	-.374	.104	-.035	-.905
150	1036	-.283	.065	-.057	-.574
150	1037	-.255	.054	-.064	-.520
150	1038	-.269	.049	-.077	-.524
150	1039	-.276	.051	-.094	-.532
150	1040	-.310	.059	-.113	-.637

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
150	1041	-.562	.177	.078	-1.295
150	1042	-.473	.121	-.012	-1.038
150	1043	-.432	.121	-.137	-1.078
150	1044	-.421	.107	-.143	-1.108
150	1045	-.340	.082	-.074	-.697
150	1046	-.288	.062	-.043	-.696
150	1047	-.257	.058	-.015	-.556
150	1048	-.269	.054	-.103	-.577
150	1049	-.272	.057	-.024	-.523
150	1050	-.311	.071	-.113	-.620
150	1051	-.383	.094	-.040	-.916
150	1052	-.356	.083	-.005	-.917
150	1053	-.332	.076	-.081	-.757
150	1054	-.341	.069	-.112	-.792
150	1055	-.304	.055	-.120	-.687
150	1056	-.280	.049	-.124	-.546
150	1057	-.257	.047	-.015	-.533
150	1058	-.264	.045	-.121	-.568
150	1059	-.251	.044	-.124	-.527
150	1060	-.265	.052	-.144	-.600
150	1061	-.317	.064	-.140	-.674
150	1062	-.316	.060	-.134	-.666
150	1063	-.298	.064	-.116	-.811
150	1064	-.312	.057	-.147	-.640
150	1065	-.282	.041	-.109	-.449
150	1066	-.269	.036	-.137	-.389
150	1067	-.262	.033	-.143	-.381
150	1068	-.271	.032	-.160	-.384
150	1069	-.250	.030	-.155	-.388
150	1070	-.251	.033	-.148	-.428
150	1071	-.305	.050	-.157	-.588
150	1072	-.278	.042	-.148	-.467
150	1073	-.268	.041	-.154	-.597
150	1074	-.291	.042	-.169	-.660
150	1075	-.278	.041	-.153	-.466
150	1076	-.279	.040	-.126	-.422
150	1077	-.274	.043	-.150	-.428
150	1078	-.294	.047	-.171	-.500
150	1079	-.271	.043	-.116	-.488
150	1080	-.261	.038	-.137	-.461
150	1081	-.238	.034	-.137	-.379
150	1082	-.208	.029	-.094	-.313
150	1083	-.256	.032	-.152	-.387
150	1084	-.269	.034	-.163	-.419
150	1085	-.271	.031	-.157	-.369
150	1086	-.237	.027	-.130	-.328
150	1087	-.213	.027	-.107	-.304
150	1088	-.233	.032	-.114	-.384
150	1089	-.259	.032	-.157	-.406
150	1090	-.273	.033	-.170	-.427

APPENDIX A -- PRESSURE DATA: ENERGY CENTER II -- DENVER , COLORADO

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
150	1091	-.274	.029	-.179	-.371
150	1092	-.266	.028	-.166	-.369
150	1093	-.258	.028	-.147	-.356
150	1094	-.242	.025	-.141	-.336
150	1095	-.234	.025	-.136	-.328
150	1096	-.229	.024	-.150	-.348
150	1097	-.270	.039	-.178	-.583
150	1098	-.275	.039	-.173	-.539
150	1099	-.278	.030	-.188	-.428
150	1100	-.280	.034	-.153	-.408
150	1101	-.262	.027	-.121	-.372
150	1102	-.238	.025	-.129	-.326
150	1103	-.231	.025	-.138	-.317
150	1104	-.230	.024	-.150	-.321
150	1105	-.246	.031	-.145	-.477
150	1106	-.251	.030	-.158	-.393
150	1107	-.271	.028	-.179	-.412
150	1108	-.273	.032	-.168	-.405
150	1109	-.238	.028	-.100	-.358
150	1110	-.205	.033	-.065	-.297
150	1111	.245	.007	.269	.217
150	1112	-.091	.014	-.055	-.127
150	1113	-.245	.030	-.147	-.375
150	1114	-.255	.030	-.146	-.448
150	1115	-.272	.031	-.157	-.383
150	1116	-.269	.032	-.155	-.389
150	1117	-.216	.030	-.092	-.320
150	1118	-.183	.038	-.038	-.292
150	1119	-.220	.030	-.088	-.321
150	1120	-.229	.026	-.134	-.319
150	1121	-.263	.033	-.163	-.455
150	1122	-.273	.034	-.179	-.417
150	1123	-.284	.033	-.194	-.389
150	1124	-.271	.033	-.161	-.400
150	1125	-.207	.044	-.014	-.322
150	1126	-.254	.033	-.142	-.372
150	1127	-.241	.029	-.151	-.329
150	1128	-.250	.033	-.123	-.377
150	1129	-.263	.028	-.184	-.385
150	1130	-.276	.029	-.191	-.407
150	1131	-.253	.025	-.182	-.345
150	1132	-.213	.041	-.061	-.337
150	1133	-.239	.031	-.112	-.359
150	1134	-.256	.030	-.154	-.372
150	1135	-.249	.021	-.191	-.334
150	1136	-.259	.029	-.170	-.396
150	1137	-.252	.032	-.145	-.410
150	1138	-.214	.040	-.067	-.333
150	1139	-.227	.027	-.145	-.312
150	1140	-.250	.029	-.179	-.372

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
150	1141	-.219	.043	-.044	-.343
150	2001	-.275	.047	-.145	-.486
150	2002	-.288	.050	-.129	-.551
150	2003	-.283	.045	-.155	-.507
150	2004	-.269	.042	-.123	-.460
150	2005	-.259	.039	-.116	-.420
150	2006	-.256	.040	-.125	-.448
150	2007	-.258	.042	-.136	-.478
150	2008	-.249	.044	-.125	-.496
150	2009	-.276	.045	-.126	-.674
150	2010	-.288	.048	-.149	-.468
150	2011	-.287	.044	-.148	-.462
150	2012	-.285	.041	-.159	-.562
150	2013	-.265	.037	-.130	-.430
150	2014	-.259	.038	-.130	-.413
150	2015	-.264	.041	-.141	-.434
150	2016	-.260	.042	-.139	-.439
150	2017	-.298	.049	-.166	-.564
150	2018	-.310	.050	-.158	-.570
150	2019	-.310	.048	-.155	-.536
150	2020	-.297	.045	-.134	-.471
150	2021	-.286	.042	-.157	-.465
150	2022	-.284	.041	-.149	-.451
150	2023	-.285	.045	-.136	-.497
150	2024	-.280	.050	-.129	-.474
150	2025	-.335	.069	-.166	-.788
150	2026	-.339	.071	-.175	-.735
150	2027	-.336	.069	-.177	-.759
150	2028	-.328	.061	-.182	-.783
150	2029	-.304	.050	-.185	-.529
150	2030	-.288	.046	-.170	-.501
150	2031	-.284	.055	-.156	-.734
150	2032	-.285	.060	-.138	-.700
150	2033	-.364	.093	-.144	-.850
150	2034	-.361	.095	-.147	-.831
150	2035	-.357	.094	-.159	-.899
150	2036	-.339	.081	-.162	-.820
150	2037	-.311	.056	-.180	-.688
150	2038	-.286	.044	-.168	-.615
150	2039	-.277	.048	-.165	-.539
150	2040	-.278	.054	-.160	-.669
150	2041	-.302	.079	-.125	-.652
150	2042	-.298	.070	-.122	-.620
150	2043	-.296	.071	-.138	-.648
150	2044	-.287	.063	-.147	-.807
150	2045	-.265	.042	-.130	-.517
150	2046	-.260	.036	-.161	-.425
150	2047	-.251	.040	-.143	-.483
150	2048	-.252	.044	-.107	-.488
150	2049	-.252	.031	-.166	-.597

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
150	2050	-.252	.028	-.147	-.475
150	2051	-.252	.030	-.165	-.444
150	2052	-.246	.026	-.162	-.429
150	2053	-.246	.025	-.178	-.349
150	2054	-.243	.026	-.170	-.356
150	2055	-.239	.030	-.159	-.374
150	2056	-.240	.033	-.142	-.523
150	2057	-.266	.037	-.157	-.442
150	2058	-.256	.031	-.140	-.393
150	2059	-.259	.030	-.172	-.392
150	2060	-.252	.027	-.177	-.374
150	2061	-.249	.025	-.159	-.349
150	2062	-.246	.027	-.161	-.370
150	2063	-.241	.030	-.156	-.467
150	2064	-.242	.032	-.158	-.431
150	2065	-.245	.028	-.144	-.378
150	2066	-.252	.028	-.168	-.445
150	2067	-.244	.026	-.165	-.372
150	2068	-.240	.024	-.164	-.346
150	2069	-.249	.023	-.176	-.327
150	2070	-.233	.026	-.154	-.347
150	2071	-.268	.040	-.133	-.507
150	2072	-.249	.027	-.166	-.374
150	2073	-.250	.023	-.175	-.349
150	2074	-.247	.022	-.175	-.326
150	2075	-.241	.022	-.154	-.333
150	2076	-.235	.024	-.140	-.330
150	2077	-.234	.025	-.150	-.333
150	2078	-.262	.036	-.177	-.445
150	2079	-.257	.031	-.181	-.396
150	2080	-.251	.025	-.175	-.409
150	2081	-.250	.024	-.166	-.339
150	2082	-.245	.024	-.172	-.333
150	2083	-.239	.024	-.163	-.351
150	2084	-.236	.025	-.164	-.389
150	2085	-.257	.027	-.187	-.374
150	2086	-.257	.026	-.188	-.363
150	2087	-.255	.023	-.193	-.349
150	2088	-.249	.022	-.168	-.354
150	2089	-.247	.022	-.178	-.333
150	2090	-.242	.023	-.172	-.335
150	2091	-.241	.023	-.170	-.338
150	2092	-.252	.026	-.173	-.341
150	2093	-.253	.025	-.175	-.380
150	2094	-.252	.022	-.186	-.335
150	2095	-.248	.021	-.181	-.331
150	2096	-.243	.021	-.175	-.337
150	2097	-.246	.026	-.150	-.358
150	2098	-.246	.026	-.142	-.347
150	2099	-.241	.041	-.115	-.485

APPENDIX A -- PRESSURE DATA: ENERGY CENTER II -- DENVER , COLORADO

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
150	2100	-.251	.037	-.159	-.388
150	2101	-.242	.036	-.129	-.401
150	2102	-.262	.033	-.157	-.413
150	2103	-.261	.034	-.158	-.415
150	2104	-.284	.038	-.181	-.491
150	2105	-.264	.038	-.159	-.448
150	2106	-.281	.036	-.172	-.429
150	2107	-.269	.034	-.158	-.425
150	2108	-.262	.032	-.148	-.402
150	2109	-.242	.032	-.118	-.392
150	2110	-.276	.033	-.181	-.405
150	2111	-.257	.030	-.169	-.363
150	2112	-.266	.031	-.167	-.376
150	2113	-.248	.031	-.165	-.358
150	2114	-.261	.031	-.153	-.377
150	2115	-.255	.025	-.177	-.344
150	2116	-.260	.027	-.171	-.364
150	3001	-.260	.047	-.130	-.503
150	3002	-.272	.052	-.134	-.510
150	3003	-.202	.044	-.048	-.370
150	3004	-.168	.056	.015	-.358
150	3005	-.138	.072	.111	-.361
150	3006	-.102	.080	.170	-.404
150	3007	-.067	.093	.342	-.710
150	3008	-.056	.109	.347	-.802
150	3009	-.079	.142	.438	-.956
150	3010	-.186	.238	.428	-1.701
150	3011	-.273	.049	-.141	-.536
150	3012	-.263	.047	-.137	-.518
150	3013	-.224	.041	-.076	-.373
150	3014	-.179	.053	.062	-.360
150	3015	-.114	.072	.188	-.370
150	3016	-.055	.083	.249	-.282
150	3017	-.005	.090	.368	-.301
150	3018	-.098	.102	.387	-.360
150	3019	-.030	.164	.562	-.843
150	3020	-.088	.194	.572	-1.167
150	3021	-.284	.053	-.130	-.777
150	3022	-.272	.050	-.126	-.573
150	3023	-.236	.043	-.087	-.444
150	3024	-.191	.050	.013	-.413
150	3025	-.111	.069	.217	-.356
150	3026	-.034	.080	.408	-.322
150	3027	.013	.094	.495	-.399
150	3028	-.022	.106	.420	-.510
150	3029	-.009	.144	.555	-.699
150	3030	-.057	.165	.640	-.872
150	3031	-.289	.059	-.116	-.748
150	3032	-.278	.054	-.141	-.743
150	3033	-.241	.044	-.033	-.551
150	3034	-.195	.046	.073	-.433
150	3035	-.102	.068	.193	-.447
150	3036	-.011	.083	.309	-.338
150	3037	.038	.087	.412	-.218
150	3038	.041	.094	.457	-.270
150	3039	.008	.109	.451	-.511
150	3040	-.038	.117	.333	-.671
150	3041	-.285	.058	-.153	-.620
150	3042	-.273	.055	-.146	-.706
150	3043	-.242	.044	-.068	-.462
150	3044	-.189	.054	.090	-.400
150	3045	-.064	.086	.502	-.412
150	3046	.028	.082	.457	-.256
150	3047	.050	.084	.410	-.231
150	3048	.033	.082	.545	-.347
150	3049	-.010	.084	.316	-.469
150	3050	-.083	.089	.247	-.474
150	3051	-.256	.047	-.150	-.762
150	3052	-.245	.045	-.137	-.752
150	3053	-.217	.042	-.074	-.477
150	3054	-.156	.059	.134	-.415
150	3055	-.003	.100	.500	-.394
150	3056	.075	.094	.441	-.221
150	3057	.067	.074	.451	-.181
150	3058	.021	.071	.413	-.253
150	3059	-.050	.069	.285	-.281
150	3060	-.167	.075	.212	-.448
150	3061	-.248	.036	-.142	-.483
150	3062	-.235	.036	-.139	-.470
150	3063	-.210	.034	-.083	-.741
150	3064	-.152	.049	.073	-.301
150	3065	-.010	.087	.432	-.237
150	3066	.059	.079	.432	-.558
150	3067	.056	.066	.327	-.133
150	3068	.001	.059	.294	-.330
150	3069	-.076	.055	.153	-.255
150	3070	-.201	.066	.073	-.459
150	3071	-.249	.032	-.156	-.409
150	3072	-.241	.033	-.163	-.399
150	3073	-.220	.034	-.091	-.425
150	3074	-.144	.047	.094	-.406
150	3075	-.035	.066	.266	-.363
150	3076	.027	.062	.349	-.192
150	3077	.024	.058	.257	-.139
150	3078	-.022	.054	.250	-.191
150	3079	-.081	.054	.179	-.323
150	3080	-.195	.067	.035	-.508
150	3081	.014	.059	.407	-.157
150	3082	-.084	.053	.130	-.289
150	3083	-.086	.063	.225	-.263
150	3084	-.180	.045	.052	-.342
150	3085	-.010	.058	.281	-.226
150	3086	.005	.052	.227	-.154
150	3087	-.091	.055	.152	-.292
150	3088	-.048	.056	.158	-.224
150	3089	-.204	.027	-.090	-.317
150	3090	-.129	.048	.124	-.304
150	3091	-.018	.069	.360	-.241
150	3092	.036	.058	.309	-.139
150	3093	.028	.053	.240	-.151
150	3094	.005	.051	.286	-.225
150	3095	-.085	.046	.132	-.297
150	3096	-.171	.046	.037	-.357
150	3097	-.216	.027	-.081	-.321
150	3098	-.162	.038	.083	-.279
150	3099	-.043	.051	.235	-.212
150	3100	.018	.051	.282	-.130
150	3101	.016	.049	.222	-.135
150	3102	-.003	.047	.193	-.162
150	3103	-.087	.046	.181	-.203
150	3104	-.161	.046	.073	-.289
150	3105	-.233	.025	-.126	-.344
150	3106	-.173	.030	.002	-.283
150	3107	-.062	.045	.201	-.188
150	3108	.003	.050	.256	-.141
150	3109	.007	.048	.218	-.133
150	3110	-.009	.048	.245	-.173
150	3111	-.088	.046	.123	-.244
150	3112	-.160	.046	.046	-.322
150	3113	-.221	.026	.045	-.310
150	3114	-.174	.033	.166	-.270
150	3115	-.059	.046	.235	-.201
150	3116	.002	.048	.214	-.137
150	3117	-.022	.051	.225	-.112
150	3118	-.016	.050	.238	-.133
150	3119	-.115	.064	.270	-.324
150	3120	-.174	.057	.212	-.382
150	3122	-.268	.026	-.196	-.363
150	3123	-.290	.042	-.165	-.479
150	3124	-.307	.044	-.175	-.487
150	3125	-.229	.035	-.033	-.333
150	3126	-.243	.026	-.145	-.332
150	3127	-.100	.060	.182	-.363
150	3128	-.017	.059	.387	-.147
150	3129	-.042	.062	.216	-.426
150	3130	.003	.037	.147	-.100
150	3131	.034	.059	.328	-.114
150	3132	-.008	.054	.224	-.196
150	3133	-.090	.079	.154	-.545
150	3134	-.018	.044	.134	-.127

APPENDIX A -- PRESSURE DATA: ENERGY CENTER II -- DENVER , COLORADO

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
150	3135	-.082	.050	.182	-.261
150	3136	-.118	.057	.089	-.378
150	3137	-.129	.060	.219	-.405
150	3138	-.132	.031	.000	-.249
150	3139	-.145	.078	.191	-.414
150	3140	-.216	.041	-.058	-.361
150	3141	-.161	.057	.107	-.333
150	3142	.005	.061	.274	-.162
150	3143	.058	.073	.349	-.170
150	3144	-.200	.042	.005	-.350
150	3145	-.119	.065	.179	-.321
150	3146	.077	.081	.363	-.096
150	3147	.080	.090	.526	-.140
150	3148	.076	.088	.539	-.135
150	3149	.069	.091	.524	-.140
150	3150	-.061	.054	.149	-.191
150	4001	-.008	.157	.618	-.539
150	4002	-.075	.211	.823	-1.017
150	4003	.086	.189	.809	-.668
150	4004	.130	.191	.856	-.324
150	4005	.152	.197	.894	-.294
150	4006	.174	.214	1.322	-.378
150	4007	.157	.221	1.121	-.409
150	4008	-.031	.215	.712	-.856
150	4009	.002	.151	.697	-.674
150	4010	-.087	.196	.661	-1.118
150	4011	.052	.167	.887	-.771
150	4012	.087	.166	.885	-.317
150	4013	.110	.185	.990	-.329
150	4014	.130	.200	.881	-.418
150	4015	.082	.217	.944	-.479
150	4016	-.146	.225	.565	-.931
150	4017	-.021	.135	.627	-.600
150	4018	-.065	.165	.542	-.940
150	4019	-.055	.140	.451	-.751
150	4020	-.023	.121	.483	-.651
150	4021	-.041	.130	.568	-.445
150	4022	-.057	.138	.670	-.524
150	4023	-.132	.153	.503	-.523
150	4024	-.315	.195	.425	-.931
150	4025	-.119	.115	.290	-.685
150	4026	-.152	.123	.323	-1.111
150	4027	-.182	.114	.182	-.755
150	4028	-.143	.086	.197	-.515
150	4029	-.156	.083	.247	-.503
150	4030	-.185	.084	.180	-.533
150	4031	-.249	.090	.152	-.619
150	4032	-.353	.125	.111	-.932
150	4033	-.210	.123	.120	-.763
150	4034	-.199	.088	.133	-.880
150	4035	-.246	.094	.101	-.657
150	4036	-.206	.077	.073	-.570
150	4037	-.215	.071	.051	-.503
150	4038	-.247	.076	-.026	-.557
150	4039	-.300	.077	.021	-.631
150	4040	-.363	.101	.082	-.732
150	4041	-.329	.131	-.018	-1.054
150	4042	-.258	.087	-.026	-.671
150	4043	-.292	.088	-.016	-.673
150	4044	-.240	.080	-.002	-.670
150	4045	-.206	.064	-.009	-.512
150	4046	-.224	.066	-.007	-.699
150	4047	-.273	.068	-.058	-.633
150	4048	-.308	.071	.020	-.595
150	4049	-.360	.135	.099	-1.155
150	4050	-.281	.089	-.068	-.819
150	4051	-.319	.088	-.070	-.825
150	4052	-.268	.078	-.036	-.666
150	4053	-.213	.059	-.025	-.516
150	4054	-.205	.044	-.019	-.433
150	4055	-.235	.042	-.075	-.411
150	4056	-.261	.047	-.058	-.508
150	4057	-.363	.136	-.016	-1.118
150	4058	-.280	.070	-.094	-.669
150	4059	-.353	.097	-.096	-.895
150	4060	-.285	.073	-.089	-.845
150	4061	-.241	.067	-.065	-.563
150	4062	-.227	.053	-.051	-.489
150	4063	-.232	.041	-.051	-.423
150	4064	-.240	.039	-.091	-.399
150	4065	-.316	.076	-.058	-.731
150	4066	-.336	.077	-.133	-.709
150	4067	-.312	.073	-.047	-.577
150	4068	-.259	.070	-.064	-.510
150	4069	-.254	.049	-.098	-.456
150	4070	-.214	.054	-.035	-.391
150	4071	-.352	.067	-.162	-.718
150	4072	-.326	.073	-.089	-.712
150	4073	-.306	.072	-.062	-.583
150	4074	-.264	.067	-.049	-.554
150	4075	-.236	.055	-.051	-.477
150	4076	-.207	.043	-.064	-.555
150	4077	-.222	.035	-.090	-.390
150	4078	-.310	.058	-.161	-.641
150	4079	-.328	.058	-.171	-.603
150	4080	-.314	.063	-.102	-.561
150	4081	-.286	.060	-.101	-.514
150	4082	-.260	.052	-.105	-.468
150	4083	-.246	.039	-.115	-.386
150	4084	-.229	.035	-.098	-.364
150	4085	-.292	.056	-.145	-.625
150	4086	-.306	.061	-.136	-.678
150	4087	-.321	.065	-.140	-.680
150	4088	-.281	.061	-.102	-.535
150	4089	-.248	.050	-.099	-.535
150	4090	-.232	.041	-.110	-.459
150	4091	-.245	.037	-.145	-.468
150	4092	-.306	.066	-.153	-.595
150	4093	-.311	.065	-.099	-.634
150	4094	-.309	.065	-.108	-.632
150	4095	-.289	.057	-.131	-.704
150	4096	-.243	.047	-.118	-.581
150	4097	-.228	.040	-.097	-.390
150	4098	-.238	.037	-.131	-.428
150	4099	-.224	.081	.016	-.550
150	4100	-.197	.057	-.041	-.420
150	4101	-.178	.046	-.026	-.396
150	4102	-.168	.046	.079	-.402
150	4103	-.193	.039	-.079	-.399
150	4104	-.107	.043	.038	-.286
150	4105	-.107	.041	.069	-.251
150	4106	-.175	.036	.019	-.329
150	4107	-.323	.073	-.134	-.668
150	4108	-.329	.067	-.141	-.897
150	4109	-.297	.062	-.134	-.621
150	4110	-.279	.057	-.133	-.514
150	4111	-.242	.052	-.109	-.480
150	4112	-.233	.041	-.095	-.403
150	4113	-.236	.037	-.110	-.363
150	4114	-.275	.049	-.150	-.491
150	4115	-.220	.026	-.140	-.313
150	5001	-.278	.209	.241	-1.053
150	5002	-.161	.081	.126	-.606
150	5003	-.156	.176	.401	-1.073
150	5004	-.292	.168	.000	-1.489
150	5005	-.127	.112	.275	-.736
150	5006	-.188	.117	.257	-.656
150	5007	-.221	.081	-.026	-.592
150	5008	.061	.201	.860	-.602
150	5009	-.225	.064	.011	-.673
150	5010	-.226	.058	-.059	-.501
150	5011	-.291	.063	-.118	-.656
150	5012	-.319	.170	.220	-1.028
150	5013	-.326	.091	-.077	-.663
150	5014	-.275	.052	-.092	-.555
150	5015	-.231	.050	-.059	-.444
150	5016	-.198	.059	.013	-.447
150	5017	-.286	.108	.061	-1.061
150	5018	-.095	.084	.189	-.389
150	5100	-.244	.043	-.123	-.402

APPENDIX A -- PRESSURE DATA: ENERGY CENTER II -- DENVER , COLORADO

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
150	5101	-.213	.030	-.106	-.321
150	5102	-.320	.064	-.154	-.552
150	5103	-.242	.028	-.161	-.513
150	5104	-.249	.029	-.162	-.480
150	5105	-.228	.029	-.148	-.354
150	5106	-.227	.027	-.152	-.348
165	1001	-.719	.303	-.033	-2.121
165	1002	-.453	.149	-.078	-1.102
165	1003	-.495	.179	-.127	-1.700
165	1004	-.472	.160	-.076	-1.563
165	1005	-.439	.142	-.089	-1.251
165	1006	-.407	.117	-.104	-.957
165	1007	-.386	.104	-.037	-1.080
165	1008	-.416	.125	-.067	-1.165
165	1009	-.403	.111	-.076	-1.425
165	1010	-.375	.085	-.133	-.973
165	1011	-.619	.246	-.041	-1.789
165	1012	-.520	.189	-.119	-1.398
165	1013	-.499	.184	-.138	-1.475
165	1014	-.498	.179	-.131	-1.972
165	1015	-.460	.154	-.074	-1.338
165	1016	-.421	.127	-.055	-1.041
165	1017	-.404	.099	-.044	-1.023
165	1018	-.406	.085	-.127	-.760
165	1019	-.392	.077	-.125	-.992
165	1020	-.385	.075	-.135	-.926
165	1021	-.564	.215	-.100	-1.498
165	1022	-.512	.173	-.108	-1.258
165	1023	-.479	.175	-.122	-1.537
165	1024	-.485	.174	-.109	-1.381
165	1025	-.462	.156	-.067	-1.257
165	1026	-.420	.120	-.071	-.891
165	1027	-.394	.093	-.092	-.804
165	1028	-.397	.078	-.171	-.691
165	1029	-.391	.070	-.178	-.653
165	1030	-.387	.072	-.186	-.670
165	1031	-.555	.214	-.174	-1.603
165	1032	-.508	.181	-.105	-1.320
165	1033	-.476	.169	-.072	-1.532
165	1034	-.479	.159	-.089	-1.345
165	1035	-.453	.142	-.056	-1.037
165	1036	-.412	.109	-.024	-.867
165	1037	-.402	.092	-.144	-.837
165	1038	-.409	.076	-.162	-.723
165	1039	-.409	.071	-.183	-.763
165	1040	-.406	.070	-.188	-.690
165	1041	-.489	.183	-.133	-1.448
165	1042	-.485	.163	-.089	-1.359
165	1043	-.447	.168	-.063	-1.534
165	1044	-.452	.158	-.120	-1.352
165	1045	-.431	.125	-.069	-1.255
165	1046	-.410	.088	-.071	-.765
165	1047	-.405	.079	-.129	-.678
165	1048	-.416	.070	-.091	-.636
165	1049	-.412	.065	-.176	-.649
165	1050	-.412	.066	-.214	-.743
165	1051	-.432	.121	-.136	-1.190
165	1052	-.436	.124	-.114	-1.160
165	1053	-.422	.138	-.157	-1.814
165	1054	-.418	.107	-.165	-1.354
165	1055	-.398	.075	-.118	-.729
165	1056	-.394	.067	-.060	-.637
165	1057	-.390	.062	-.190	-.636
165	1058	-.385	.057	-.180	-.660
165	1059	-.364	.057	-.140	-.751
165	1060	-.359	.059	-.130	-.705
165	1061	-.375	.068	-.200	-.787
165	1062	-.381	.069	-.204	-.763
165	1063	-.364	.080	-.192	-1.615
165	1064	-.373	.064	-.218	-.878
165	1065	-.372	.047	-.221	-.627
165	1066	-.390	.050	-.221	-.606
165	1067	-.378	.048	-.223	-.579
165	1068	-.349	.045	-.178	-.523
165	1069	-.314	.047	-.116	-.482
165	1070	-.308	.050	-.093	-.509
165	1071	-.379	.057	-.239	-.651
165	1072	-.364	.053	-.226	-.590
165	1073	-.363	.052	-.214	-.627
165	1074	-.383	.055	-.240	-.627
165	1075	-.392	.053	-.250	-.673
165	1076	-.417	.063	-.261	-.666
165	1077	-.399	.069	-.234	-.710
165	1078	-.348	.060	-.136	-.627
165	1079	-.306	.060	-.109	-.557
165	1080	-.292	.059	-.080	-.559
165	1081	-.348	.058	-.033	-.564
165	1082	-.267	.049	-.035	-.473
165	1083	-.317	.034	-.200	-.459
165	1084	-.334	.036	-.240	-.485
165	1085	-.378	.046	-.255	-.580
165	1086	-.331	.047	-.181	-.508
165	1087	-.265	.046	-.046	-.459
165	1088	-.290	.051	-.058	-.511
165	1089	-.308	.034	-.195	-.428
165	1090	-.325	.034	-.218	-.437
165	1091	-.355	.039	-.239	-.515
165	1092	-.363	.040	-.245	-.508
165	1093	-.349	.038	-.216	-.490
165	1094	-.313	.036	-.139	-.473
165	1095	-.288	.042	-.119	-.482
165	1096	-.284	.048	-.108	-.519
165	1097	-.314	.039	-.202	-.490
165	1098	-.323	.038	-.214	-.499
165	1099	-.358	.044	-.234	-.570
165	1100	-.380	.051	-.245	-.627
165	1101	-.342	.038	-.190	-.514
165	1102	-.306	.036	-.156	-.447
165	1103	-.289	.040	-.126	-.425
165	1104	-.289	.044	-.087	-.458
165	1105	-.319	.041	-.197	-.533
165	1106	-.325	.039	-.209	-.502
165	1107	-.366	.043	-.255	-.518
165	1108	-.394	.061	-.236	-.631
165	1109	-.318	.043	-.169	-.483
165	1110	-.284	.040	-.130	-.399
165	1111	-.211	.007	-.236	-.184
165	1112	-.151	.023	-.108	-.213
165	1113	-.337	.046	-.219	-.594
165	1114	-.344	.048	-.242	-.761
165	1115	-.368	.043	-.260	-.627
165	1116	-.394	.058	-.249	-.739
165	1117	-.318	.052	-.131	-.604
165	1118	-.272	.052	-.041	-.447
165	1119	-.310	.039	-.188	-.472
165	1120	-.313	.038	-.192	-.487
165	1121	-.355	.051	-.238	-.636
165	1122	-.363	.049	-.244	-.583
165	1123	-.371	.040	-.288	-.517
165	1124	-.419	.068	-.259	-.722
165	1125	-.288	.051	-.111	-.504
165	1126	-.323	.034	-.226	-.461
165	1127	-.323	.029	-.243	-.418
165	1128	-.329	.044	-.195	-.517
165	1129	-.359	.041	-.233	-.518
165	1130	-.376	.043	-.252	-.562
165	1131	-.391	.044	-.297	-.600
165	1132	-.291	.050	-.106	-.447
165	1133	-.292	.036	-.158	-.417
165	1134	-.301	.035	-.172	-.418
165	1135	-.344	.034	-.263	-.458
165	1136	-.369	.044	-.261	-.569
165	1137	-.405	.060	-.259	-.633
165	1138	-.302	.044	-.089	-.468
165	1139	-.282	.028	-.180	-.362
165	1140	-.292	.034	-.153	-.449
165	1141	-.323	.046	-.167	-.541
165	2001	-.357	.069	-.140	-.728
165	2002	-.393	.087	-.169	-1.131
165	2003	-.350	.058	-.155	-.618

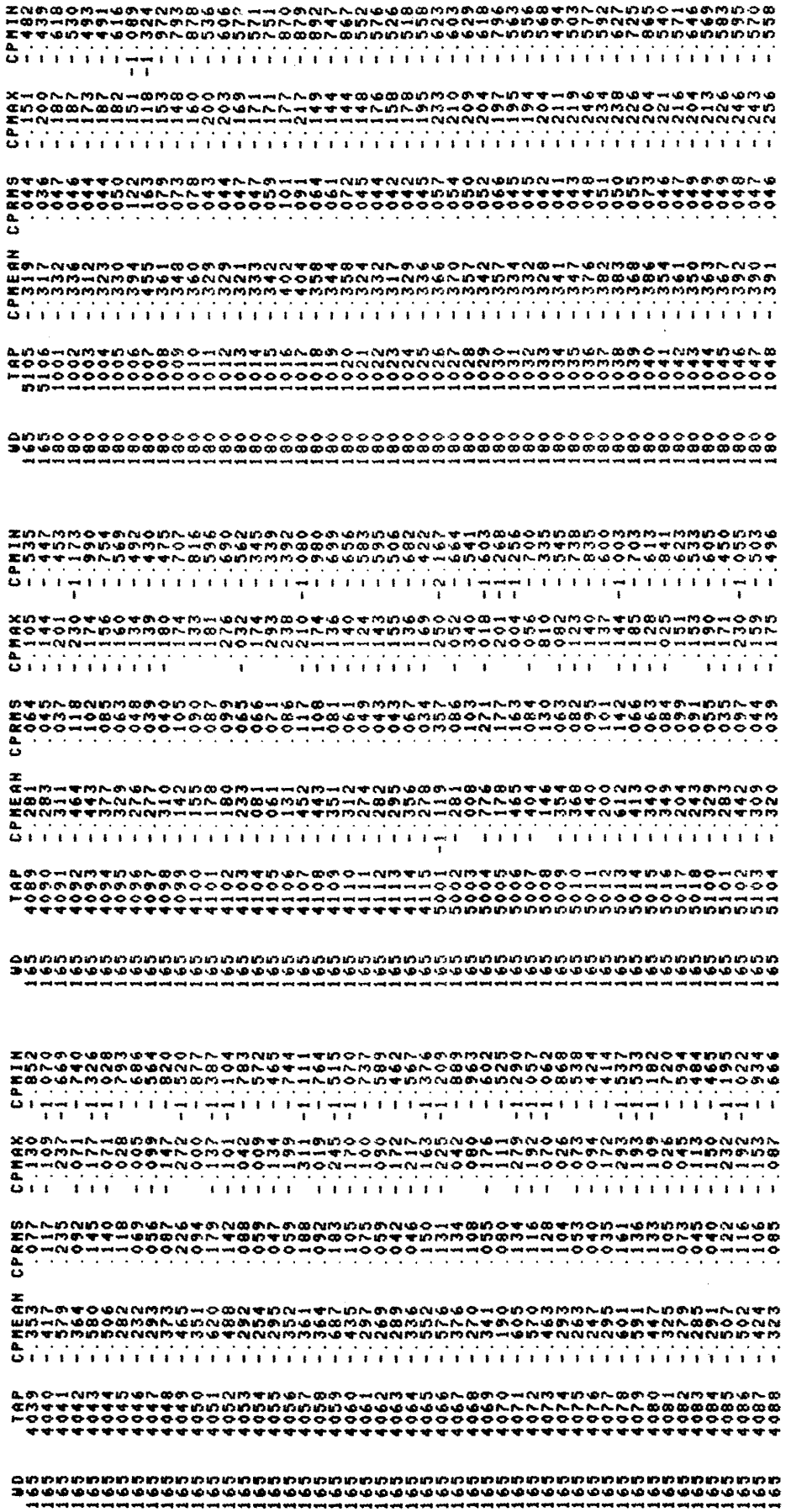
APPENDIX A -- PRESSURE DATA: ENERGY CENTER II -- DENVER , COLORADO

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
165	2004	-.327	.053	-.160	-.572
165	2005	-.309	.044	-.169	-.473
165	2006	-.314	.045	-.168	-.475
165	2007	-.307	.045	-.150	-.484
165	2008	-.295	.046	-.140	-.490
165	2009	-.371	.060	-.169	-.632
165	2010	-.395	.079	-.196	-1.082
165	2011	-.360	.057	-.188	-.620
165	2012	-.344	.047	-.184	-.541
165	2013	-.320	.042	-.176	-.469
165	2014	-.314	.044	-.188	-.471
165	2015	-.312	.044	-.182	-.461
165	2016	-.309	.044	-.188	-.460
165	2017	-.383	.066	-.183	-.704
165	2018	-.388	.069	-.182	-.708
165	2019	-.373	.057	-.205	-.670
165	2020	-.348	.050	-.206	-.606
165	2021	-.331	.045	-.183	-.587
165	2022	-.327	.042	-.192	-.511
165	2023	-.328	.041	-.210	-.546
165	2024	-.326	.051	-.168	-.672
165	2025	-.414	.065	-.232	-.739
165	2026	-.407	.068	-.234	-.766
165	2027	-.391	.060	-.235	-.834
165	2028	-.375	.057	-.229	-.811
165	2029	-.362	.052	-.209	-.529
165	2030	-.345	.048	-.185	-.518
165	2031	-.335	.047	-.185	-.555
165	2032	-.333	.048	-.181	-.656
165	2033	-.406	.062	-.244	-.654
165	2034	-.395	.060	-.236	-.636
165	2035	-.383	.053	-.226	-.571
165	2036	-.370	.052	-.225	-.630
165	2037	-.366	.046	-.239	-.580
165	2038	-.348	.046	-.234	-.823
165	2039	-.336	.047	-.203	-.798
165	2040	-.334	.049	-.185	-.817
165	2041	-.371	.057	-.175	-.702
165	2042	-.372	.053	-.201	-.588
165	2043	-.378	.057	-.231	-.597
165	2044	-.361	.050	-.220	-.562
165	2045	-.350	.042	-.230	-.513
165	2046	-.336	.045	-.215	-.564
165	2047	-.320	.048	-.158	-.571
165	2048	-.317	.052	-.152	-.692
165	2049	-.317	.054	-.127	-.552
165	2050	-.327	.048	-.167	-.488
165	2051	-.352	.056	-.190	-.597
165	2052	-.334	.046	-.196	-.606
165	2053	-.322	.041	-.198	-.550
165	2054	-.312	.045	-.183	-.574
165	2055	-.300	.049	-.165	-.583
165	2056	-.295	.053	-.141	-.670
165	2057	-.298	.057	-.060	-.578
165	2058	-.309	.050	-.146	-.502
165	2059	-.342	.061	-.171	-.734
165	2060	-.323	.045	-.194	-.520
165	2061	-.323	.041	-.175	-.513
165	2062	-.312	.045	-.171	-.562
165	2063	-.301	.049	-.144	-.663
165	2064	-.298	.052	-.141	-.698
165	2065	-.316	.045	-.170	-.515
165	2066	-.329	.049	-.180	-.534
165	2067	-.303	.042	-.153	-.485
165	2068	-.305	.039	-.178	-.454
165	2069	-.306	.029	-.229	-.418
165	2070	-.286	.042	-.116	-.530
165	2071	-.338	.060	-.150	-.592
165	2072	-.318	.047	-.172	-.555
165	2073	-.313	.038	-.212	-.518
165	2074	-.306	.036	-.210	-.465
165	2075	-.298	.036	-.197	-.473
165	2076	-.286	.038	-.174	-.474
165	2077	-.289	.042	-.138	-.486
165	2078	-.345	.061	-.178	-.650
165	2079	-.332	.047	-.208	-.558
165	2080	-.319	.038	-.205	-.469
165	2081	-.314	.038	-.189	-.433
165	2082	-.303	.037	-.187	-.419
165	2083	-.294	.037	-.167	-.423
165	2084	-.287	.038	-.154	-.427
165	2085	-.356	.052	-.223	-.610
165	2086	-.345	.048	-.185	-.629
165	2087	-.333	.041	-.222	-.521
165	2088	-.321	.039	-.214	-.465
165	2089	-.319	.042	-.203	-.467
165	2090	-.309	.041	-.183	-.444
165	2091	-.306	.041	-.165	-.441
165	2092	-.327	.045	-.194	-.582
165	2093	-.323	.042	-.189	-.499
165	2094	-.314	.039	-.192	-.467
165	2095	-.306	.038	-.201	-.464
165	2096	-.296	.039	-.176	-.445
165	2097	-.295	.043	-.161	-.442
165	2098	-.296	.042	-.162	-.453
165	2099	-.356	.051	-.184	-.627
165	2100	-.364	.048	-.233	-.571
165	2101	-.349	.051	-.208	-.594
165	2102	-.357	.053	-.176	-.557
165	2103	-.373	.062	-.165	-.630
165	2104	-.415	.070	-.193	-.678
165	2105	-.388	.067	-.176	-.637
165	2106	-.440	.064	-.245	-.695
165	2107	-.421	.059	-.250	-.670
165	2108	-.433	.062	-.250	-.678
165	2109	-.410	.062	-.226	-.795
165	2110	-.404	.053	-.236	-.638
165	2111	-.354	.054	-.172	-.563
165	2112	-.405	.062	-.183	-.651
165	2113	-.420	.068	-.217	-.689
165	2114	-.437	.076	-.247	-.787
165	2115	-.305	.038	-.172	-.439
165	2116	-.338	.049	-.157	-.523
165	3001	-.297	.049	-.156	-.548
165	3002	-.323	.050	-.150	-.557
165	3003	-.213	.042	-.086	-.366
165	3004	-.154	.052	.029	-.354
165	3005	-.094	.064	.122	-.394
165	3006	-.019	.077	.217	-.334
165	3007	.066	.088	.316	-.322
165	3008	.135	.102	.522	-.321
165	3009	.204	.119	.563	-.316
165	3010	.265	.149	.642	-.381
165	3011	-.309	.044	-.173	-.494
165	3012	-.299	.043	-.171	-.453
165	3013	-.231	.036	-.114	-.386
165	3014	-.137	.047	.055	-.321
165	3015	-.002	.070	.262	-.231
165	3016	.134	.086	.412	-.168
165	3017	.235	.105	.671	-.127
165	3018	.326	.123	.750	-.089
165	3019	.386	.151	.794	-.151
165	3020	.404	.177	.855	-.226
165	3021	-.324	.046	-.198	-.559
165	3022	-.316	.046	-.187	-.545
165	3023	-.255	.035	-.138	-.533
165	3024	-.160	.042	.020	-.520
165	3025	.006	.069	.318	-.309
165	3026	.173	.090	.518	-.148
165	3027	.284	.114	.629	-.072
165	3028	.358	.130	.783	-.100
165	3029	.373	.148	.928	-.165
165	3030	.343	.169	.943	-.354
165	3031	-.331	.049	-.208	-.789
165	3032	-.318	.047	-.188	-.630
165	3033	-.273	.036	-.151	-.454
165	3034	-.181	.038	-.035	-.336
165	3035	.006	.069	.254	-.347
165	3036	.202	.098	.567	-.204
165	3037	.317	.113	.917	-.015

APPENDIX A -- PRESSURE DATA: ENERGY CENTER II -- DENVER , COLORADO

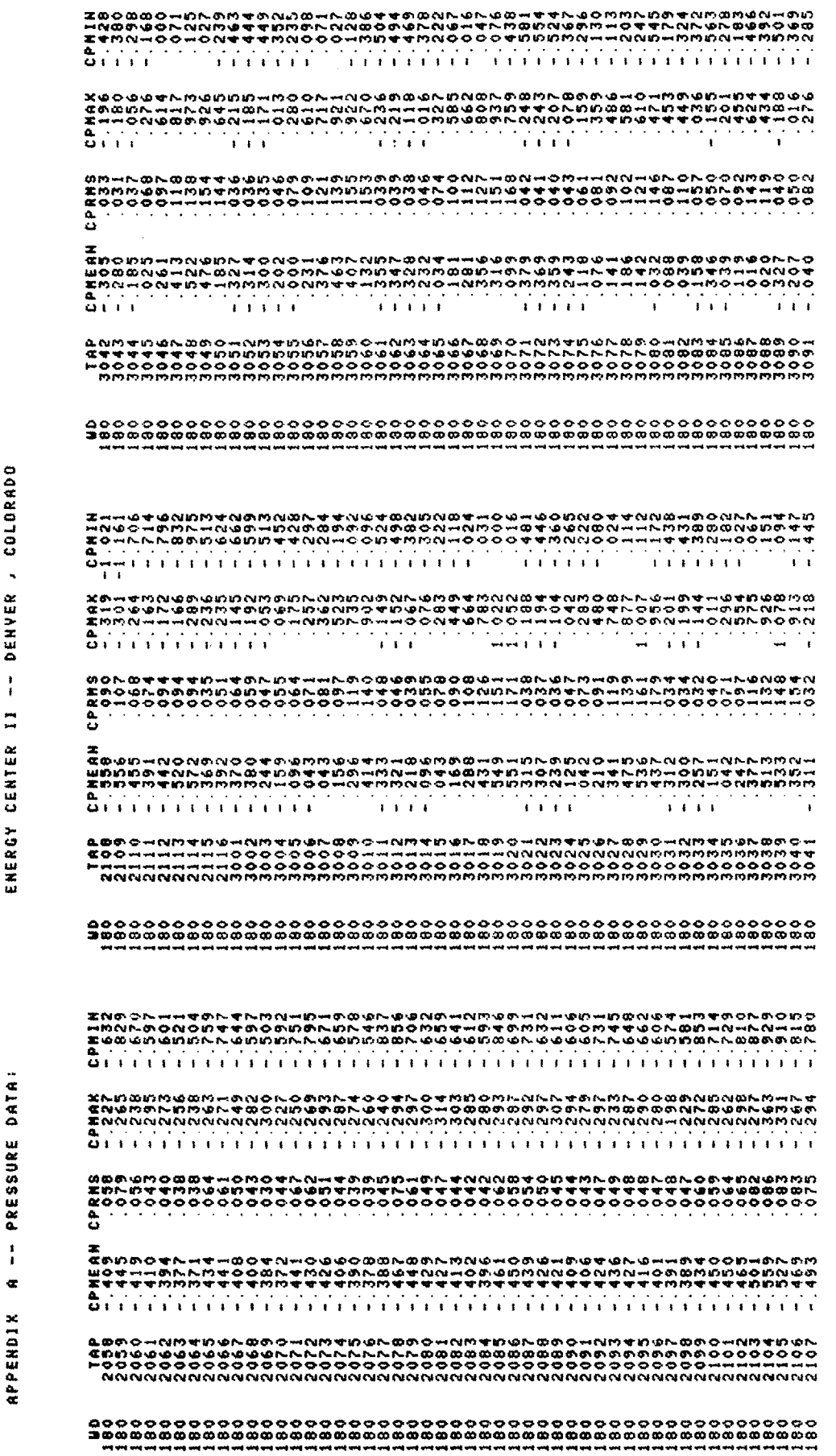
WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
165	3038	.362	.132	.863	-.033
165	3039	.298	.140	.863	-.198
165	3040	.169	.147	.677	-.398
165	3041	-.326	.049	-.180	-.748
165	3042	-.316	.048	-.179	-.634
165	3043	-.278	.040	-.099	-.493
165	3044	-.185	.046	.040	-.361
165	3045	.031	.075	.305	-.254
165	3046	.245	.102	.618	-.104
165	3047	.331	.118	.732	-.050
165	3048	.334	.129	.746	-.066
165	3049	.204	.129	.761	-.171
165	3050	-.040	.123	.562	-.472
165	3051	-.313	.054	-.182	-.747
165	3052	-.299	.050	-.164	-.597
165	3053	-.261	.047	-.077	-.574
165	3054	-.159	.060	.153	-.374
165	3055	.061	.098	.554	-.245
165	3056	.258	.118	.682	-.086
165	3057	.309	.121	.772	-.002
165	3058	.278	.119	.750	-.049
165	3059	.146	.122	.634	-.158
165	3060	-.092	.132	.427	-.620
165	3061	-.297	.050	-.147	-.559
165	3062	-.285	.049	-.134	-.589
165	3063	-.256	.049	.050	-.447
165	3064	-.159	.061	.312	-.354
165	3065	.051	.099	.498	-.222
165	3066	.217	.115	.631	-.093
165	3067	.234	.115	.686	-.068
165	3068	.211	.117	.684	-.071
165	3069	.121	.127	.670	-.236
165	3070	-.065	.145	.496	-.589
165	3071	-.300	.050	-.142	-.545
165	3072	-.291	.049	-.127	-.534
165	3073	-.271	.044	-.132	-.517
165	3074	-.170	.049	.031	-.389
165	3075	-.039	.069	.267	-.220
165	3076	.089	.080	.443	-.137
165	3077	.105	.082	.408	-.103
165	3078	.102	.095	.538	-.137
165	3079	.064	.117	.694	-.427
165	3080	-.063	.143	.472	-.503
165	3081	.061	.070	.432	-.156
165	3082	.002	.109	.507	-.323
165	3083	-.109	.064	.191	-.289
165	3084	-.256	.056	.000	-.495
165	3085	-.001	.079	.306	-.253
165	3086	.072	.088	.405	-.206
165	3087	-.006	.132	.623	-.460
165	3088	.009	.110	.602	-.330
165	3089	-.229	.040	-.073	-.387
165	3090	-.130	.060	.185	-.357
165	3091	.036	.100	.570	-.226
165	3092	.139	.099	.521	-.169
165	3093	.141	.100	.516	-.249
165	3094	.147	.105	.603	-.324
165	3095	.065	.120	.603	-.397
165	3096	-.078	.121	.374	-.462
165	3097	-.257	.035	-.131	-.394
165	3098	-.184	.039	-.004	-.326
165	3099	-.014	.065	.306	-.195
165	3100	.087	.071	.425	-.092
165	3101	.109	.067	.481	-.062
165	3102	.093	.072	.357	-.114
165	3103	-.017	.092	.472	-.288
165	3104	-.156	.100	.315	-.556
165	3105	-.277	.037	-.158	-.421
165	3106	-.194	.037	-.040	-.357
165	3107	-.038	.057	.279	-.204
165	3108	.060	.066	.357	-.120
165	3109	.083	.067	.436	-.127
165	3110	.050	.066	.460	-.141
165	3111	-.070	.081	.264	-.312
165	3112	-.186	.083	.210	-.481
165	3113	-.257	.039	-.071	-.394
165	3114	-.166	.047	.121	-.315
165	3115	.040	.077	.403	-.171
165	3116	.141	.084	.571	-.120
165	3117	.157	.082	.481	-.058
165	3118	.089	.074	.524	-.109
165	3119	-.147	.089	.286	-.348
165	3120	-.226	.085	.188	-.506
165	3122	-.288	.031	-.177	-.398
165	3123	-.408	.064	-.230	-.684
165	3124	-.420	.065	-.242	-.737
165	3125	-.271	.044	-.012	-.404
165	3126	-.289	.030	-.182	-.400
165	3127	-.022	.072	.242	-.306
165	3128	.129	.091	.532	-.104
165	3129	.035	.090	.341	-.348
165	3130	.123	.059	.371	-.065
165	3131	.143	.086	.576	-.082
165	3132	.037	.078	.365	-.254
165	3133	-.031	.068	.223	-.477
165	3134	.037	.045	.207	-.101
165	3135	-.059	.074	.334	-.303
165	3136	-.085	.070	.250	-.330
165	3137	-.149	.072	.176	-.428
165	3138	-.152	.031	-.007	-.249
165	3139	-.231	.090	.176	-.538
165	3140	-.274	.054	-.066	-.478
165	3141	-.190	.063	.089	-.418
165	3142	-.026	.070	.299	-.200
165	3143	.042	.105	.407	-.334
165	3144	-.253	.055	.016	-.508
165	3145	-.163	.065	.266	-.425
165	3146	.015	.076	.337	-.213
165	3147	.049	.102	.477	-.244
165	3148	.043	.102	.494	-.252
165	3149	.031	.114	.555	-.367
165	3150	-.060	.047	.139	-.202
165	4001	.397	.197	.893	-.603
165	4002	.333	.210	1.031	-.580
165	4003	.072	.201	.813	-.769
165	4004	.121	.131	.808	-.414
165	4005	.098	.132	.694	-.265
165	4006	.064	.136	.710	-.350
165	4007	-.031	.136	.612	-.439
165	4008	-.309	.168	.361	-1.002
165	4009	.456	.213	.990	-.674
165	4010	.345	.201	.956	-.344
165	4011	.040	.222	.767	-.840
165	4012	.160	.130	.632	-.372
165	4013	.111	.111	.622	-.252
165	4014	.040	.101	.507	-.327
165	4015	-.090	.108	.355	-.469
165	4016	-.326	.137	.197	-.908
165	4017	.264	.215	.824	-.759
165	4018	.103	.167	.663	-.435
165	4019	-.169	.219	.510	-.993
165	4020	.018	.109	.420	-.626
165	4021	-.009	.091	.349	-.374
165	4022	-.052	.089	.384	-.431
165	4023	-.175	.094	.317	-.521
165	4024	-.361	.127	.083	-.986
165	4025	.026	.216	.551	-1.006
165	4026	-.101	.141	.315	-.627
165	4027	-.435	.227	.217	-1.373
165	4028	-.136	.110	.159	-1.017
165	4029	-.123	.072	.088	-.400
165	4030	-.170	.070	.106	-.440
165	4031	-.272	.078	.106	-.578
165	4032	-.401	.125	.036	-1.019
165	4033	-.466	.250	.205	-1.420
165	4034	-.346	.122	.031	-.856
165	4035	-.649	.200	-.059	-1.621
165	4036	-.380	.207	.042	-1.468
165	4037	-.215	.081	.033	-.588
165	4038	-.266	.076	-.054	-.691

APPENDIX A -- PRESSURE DATA: ENERGY CENTER II -- DENVER , COLORADO



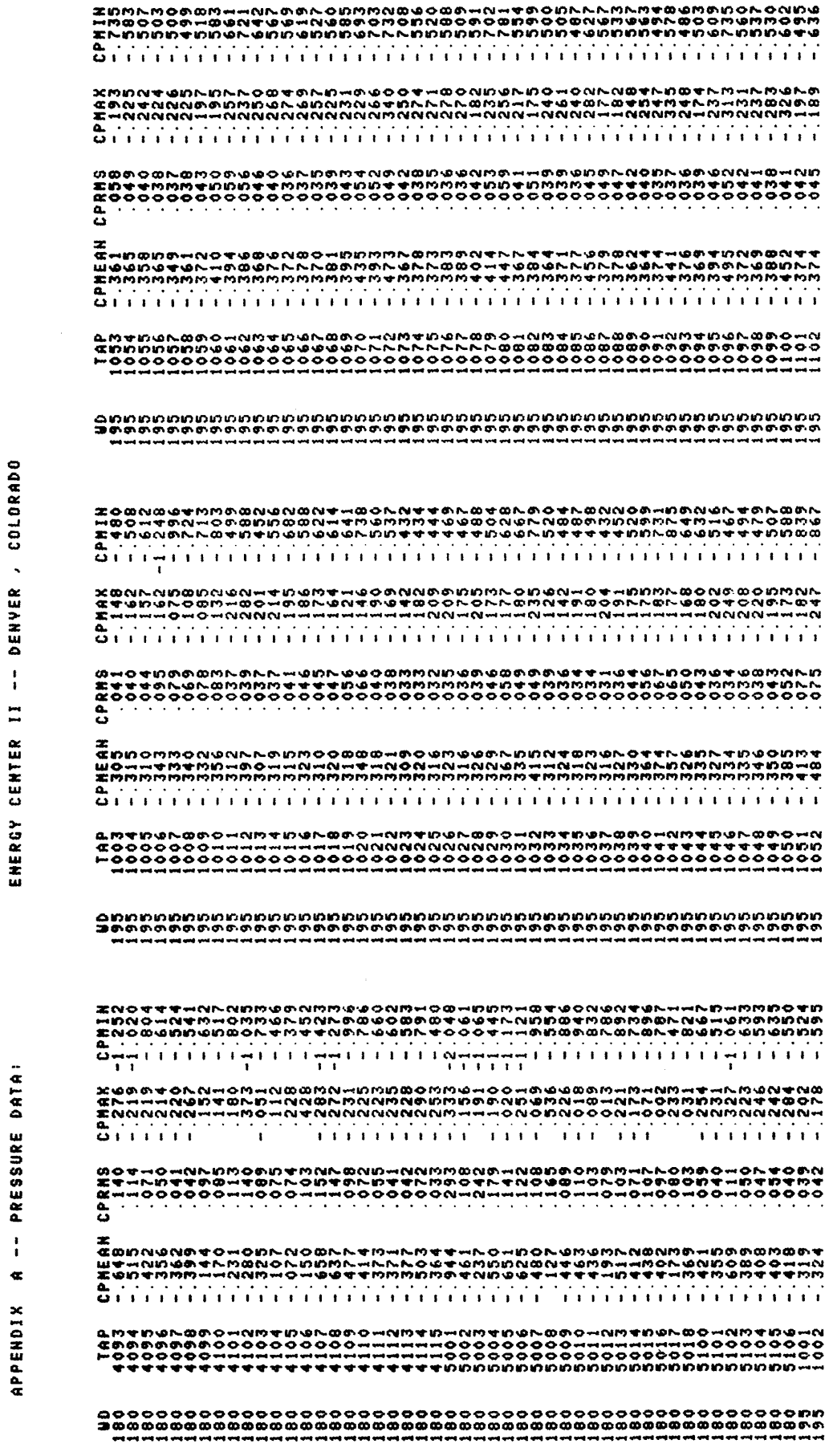
APPENDIX A -- PRESSURE DATA: ENERGY CENTER II -- DENVER , COLORADO

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
180	1049	-.368	.049	-.199	-.583
180	1050	-.384	.071	-.206	-.725
180	1051	-.434	.069	-.229	-.750
180	1052	-.413	.065	-.234	-.970
180	1053	-.384	.057	-.206	-.699
180	1054	-.394	.055	-.236	-.687
180	1055	-.393	.052	-.244	-.747
180	1056	-.419	.050	-.282	-.670
180	1057	-.418	.045	-.316	-.614
180	1058	-.413	.045	-.260	-.594
180	1059	-.379	.050	-.215	-.596
180	1060	-.389	.070	-.195	-.779
180	1061	-.442	.065	-.272	-.764
180	1062	-.438	.064	-.252	-.740
180	1063	-.414	.056	-.263	-.752
180	1064	-.421	.051	-.271	-.718
180	1065	-.418	.047	-.284	-.674
180	1066	-.434	.046	-.299	-.583
180	1067	-.432	.043	-.285	-.600
180	1068	-.417	.047	-.249	-.578
180	1069	-.373	.052	-.217	-.632
180	1070	-.371	.061	-.166	-.694
180	1071	-.445	.054	-.295	-.704
180	1072	-.430	.052	-.281	-.643
180	1073	-.414	.049	-.276	-.644
180	1074	-.426	.048	-.274	-.647
180	1075	-.424	.047	-.295	-.634
180	1076	-.450	.053	-.311	-.663
180	1077	-.470	.066	-.261	-.771
180	1078	-.440	.069	-.227	-.807
180	1079	-.388	.068	-.184	-.782
180	1080	-.378	.067	-.138	-.688
180	1081	-.411	.055	-.228	-.598
180	1082	-.355	.053	-.140	-.501
180	1083	-.409	.044	-.280	-.584
180	1084	-.422	.045	-.287	-.596
180	1085	-.449	.047	-.314	-.653
180	1086	-.398	.048	-.245	-.669
180	1087	-.356	.052	-.116	-.504
180	1088	-.376	.054	-.165	-.569
180	1089	-.399	.045	-.277	-.805
180	1090	-.408	.043	-.292	-.583
180	1091	-.431	.043	-.312	-.580
180	1092	-.431	.044	-.325	-.599
180	1093	-.439	.047	-.272	-.635
180	1094	-.404	.044	-.221	-.591
180	1095	-.388	.050	-.141	-.551
180	1096	-.388	.055	-.154	-.620
180	1097	-.416	.059	-.250	-.700
180	1098	-.419	.047	-.257	-.655
180	1099	-.457	.049	-.319	-.680
180	1100	-.467	.052	-.327	-.711
180	1101	-.428	.048	-.268	-.589
180	1102	-.395	.042	-.235	-.537
180	1103	-.396	.047	-.217	-.558
180	1104	-.405	.051	-.210	-.634
180	1105	-.410	.049	-.270	-.674
180	1106	-.415	.046	-.277	-.655
180	1107	-.461	.046	-.331	-.624
180	1108	-.466	.058	-.302	-.706
180	1109	-.401	.054	-.187	-.576
180	1110	-.370	.052	-.176	-.534
180	1111	.238	.008	.263	.207
180	1112	-.131	.010	-.103	-.164
180	1113	-.421	.044	-.302	-.700
180	1114	-.429	.046	-.304	-1.108
180	1115	-.461	.043	-.319	-.646
180	1116	-.466	.052	-.292	-.760
180	1117	-.392	.060	-.153	-.608
180	1118	-.377	.059	-.110	-.525
180	1119	-.425	.044	-.229	-.558
180	1120	-.427	.043	-.276	-.578
180	1121	-.417	.049	-.278	-.658
180	1122	-.429	.050	-.275	-.653
180	1123	-.448	.051	-.327	-.652
180	1124	-.472	.054	-.320	-.651
180	1125	-.381	.053	-.175	-.523
180	1126	-.436	.050	-.291	-.692
180	1127	-.428	.036	-.314	-.567
180	1128	-.429	.049	-.273	-.709
180	1129	-.446	.047	-.306	-.632
180	1130	-.460	.048	-.319	-.634
180	1131	-.452	.047	-.316	-.632
180	1132	-.385	.053	-.140	-.574
180	1133	-.388	.040	-.224	-.534
180	1134	-.392	.040	-.238	-.536
180	1135	-.429	.035	-.331	-.527
180	1136	-.443	.043	-.313	-.611
180	1137	-.452	.051	-.303	-.679
180	1138	-.390	.045	-.168	-.595
180	1139	-.368	.031	-.278	-.474
180	1140	-.377	.040	-.250	-.537
180	1141	-.434	.049	-.282	-.670
180	2001	-.342	.075	-.107	-.727
180	2002	-.336	.072	-.091	-1.021
180	2003	-.354	.077	-.080	-.780
180	2004	-.345	.070	-.101	-.720
180	2005	-.359	.069	-.085	-.671
180	2006	-.371	.069	-.093	-.799
180	2007	-.370	.061	-.151	-.709
180	2008	-.366	.058	-.147	-.620
180	2009	-.339	.060	-.141	-.676
180	2010	-.328	.059	-.123	-.868
180	2011	-.342	.060	-.139	-.706
180	2012	-.343	.055	-.149	-.621
180	2013	-.337	.050	-.159	-.582
180	2014	-.334	.044	-.146	-.552
180	2015	-.335	.045	-.127	-.522
180	2016	-.334	.045	-.152	-.566
180	2017	-.339	.055	-.168	-.652
180	2018	-.334	.050	-.145	-.601
180	2019	-.338	.049	-.144	-.565
180	2020	-.326	.043	-.152	-.519
180	2021	-.328	.038	-.209	-.443
180	2022	-.327	.037	-.206	-.451
180	2023	-.327	.038	-.197	-.463
180	2024	-.329	.043	-.157	-.527
180	2025	-.345	.050	-.196	-.627
180	2026	-.330	.046	-.199	-.595
180	2027	-.333	.042	-.212	-.534
180	2028	-.327	.035	-.207	-.489
180	2029	-.327	.034	-.212	-.480
180	2030	-.318	.034	-.206	-.451
180	2031	-.313	.035	-.203	-.459
180	2032	-.312	.035	-.203	-.478
180	2033	-.354	.055	-.168	-.678
180	2034	-.335	.052	-.192	-.712
180	2035	-.336	.040	-.219	-.546
180	2036	-.328	.034	-.231	-.478
180	2037	-.332	.032	-.217	-.454
180	2038	-.322	.032	-.201	-.449
180	2039	-.316	.032	-.210	-.477
180	2040	-.315	.033	-.207	-.480
180	2041	-.361	.051	-.203	-.569
180	2042	-.355	.047	-.201	-.564
180	2043	-.368	.048	-.221	-.564
180	2044	-.357	.036	-.233	-.478
180	2045	-.353	.036	-.249	-.500
180	2046	-.344	.035	-.234	-.490
180	2047	-.332	.036	-.185	-.475
180	2048	-.330	.037	-.194	-.482
180	2049	-.379	.056	-.182	-.609
180	2050	-.382	.053	-.204	-.655
180	2051	-.409	.062	-.210	-.664
180	2052	-.389	.046	-.220	-.593
180	2053	-.375	.036	-.274	-.505
180	2054	-.365	.035	-.271	-.516
180	2055	-.352	.036	-.256	-.527
180	2056	-.350	.037	-.247	-.526
180	2057	-.397	.067	-.113	-.659


APPENDIX A -- PRESSURE DATA:
ENERGY CENTER II -- DENVER , COLORADO
CPMIN
CPMAX
CPRMS
CPMEAN
TAP
MD

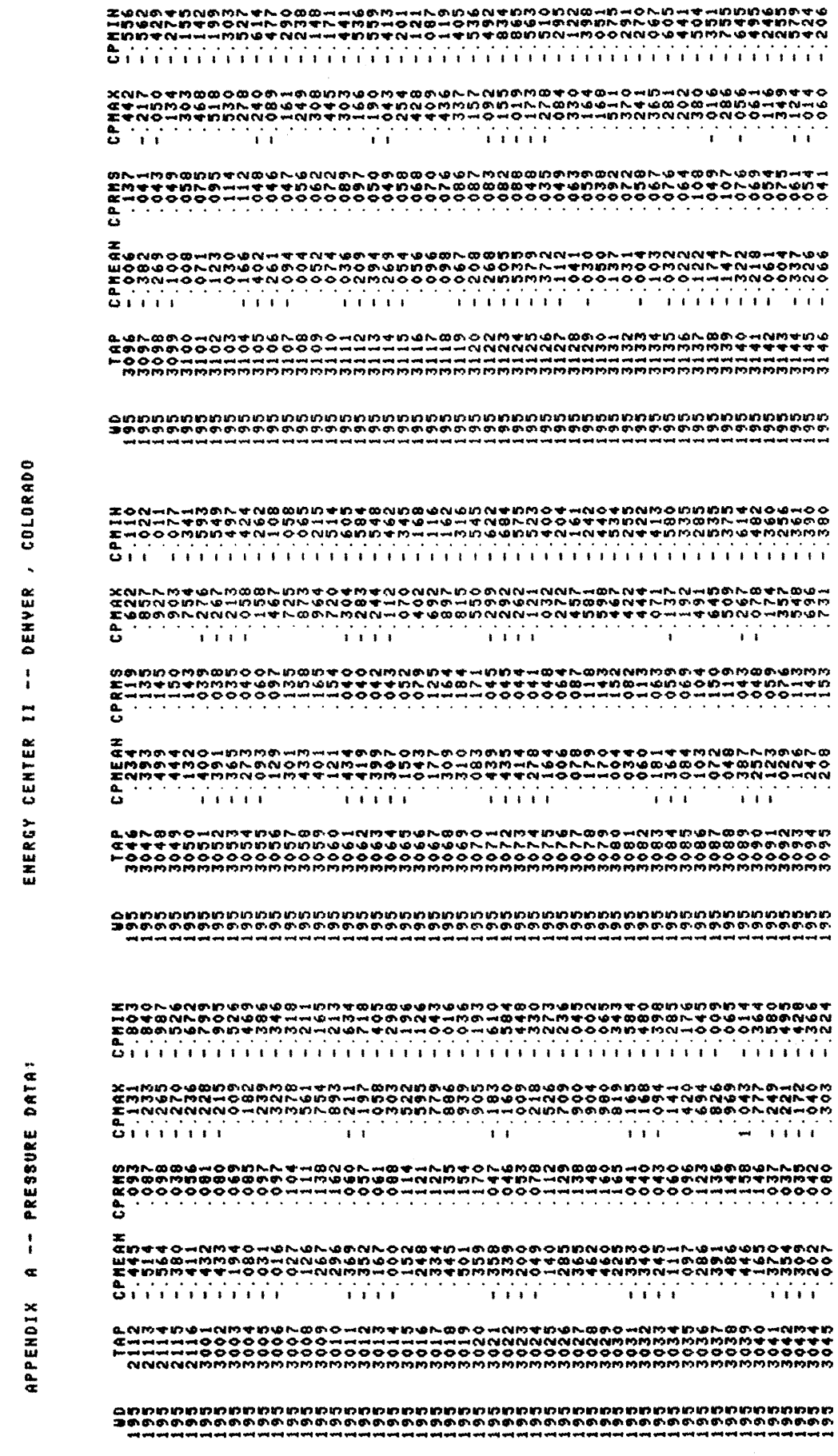
APPENDIX A -- PRESSURE DATA: ENERGY CENTER II -- DENVER , COLORADO

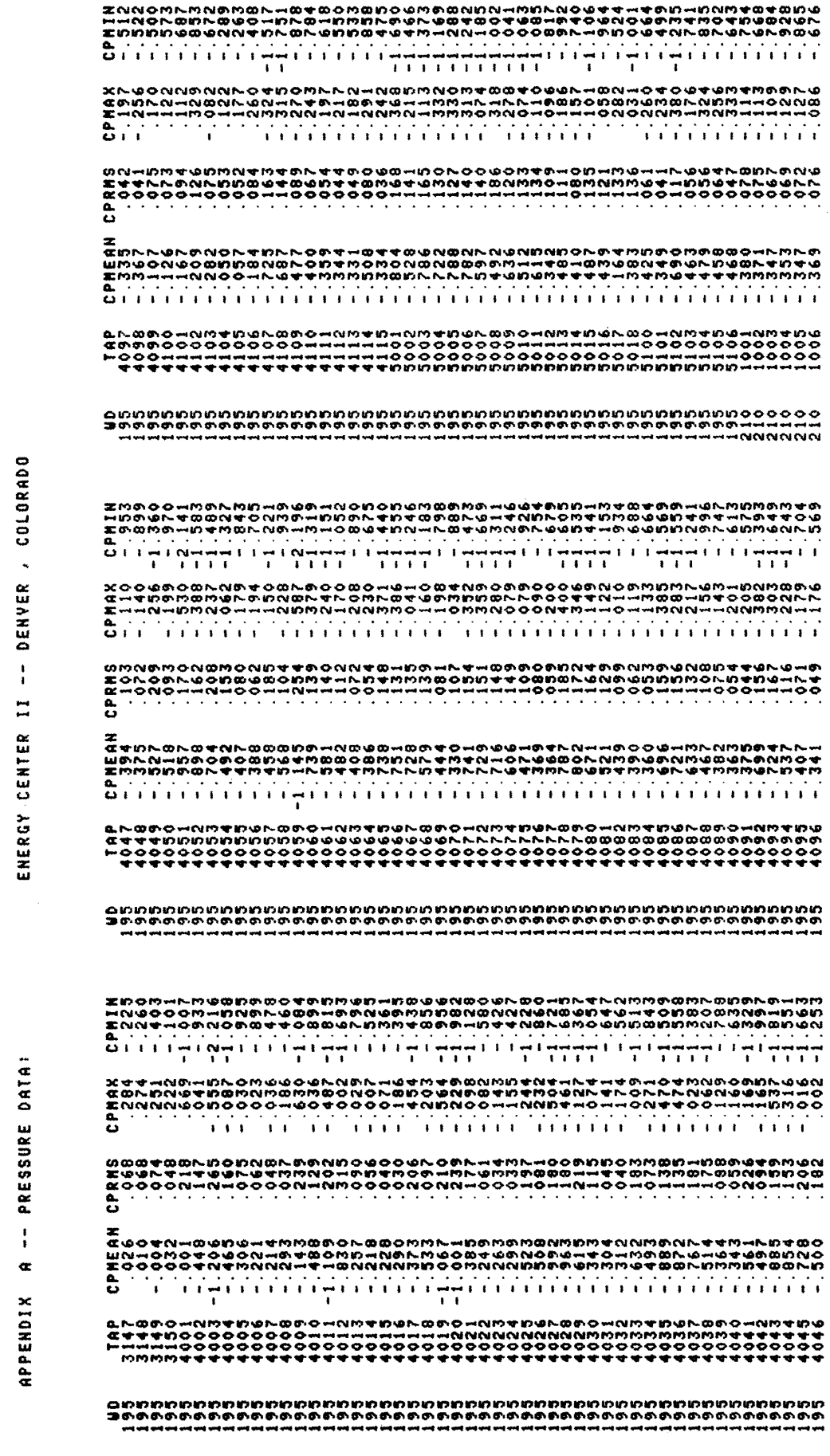
WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
180	3092	.131	.099	.518	-.190
180	3093	.190	.109	.565	-.184
180	3094	.264	.122	.706	-.328
180	3095	.173	.123	.644	-.280
180	3096	-.046	.120	.437	-.464
180	3097	-.348	.038	-.218	-.492
180	3098	-.256	.037	-.034	-.396
180	3099	-.070	.059	.169	-.237
180	3100	.059	.077	.362	-.158
180	3101	.112	.084	.433	-.143
180	3102	.135	.088	.469	-.123
180	3103	.010	.092	.413	-.296
180	3104	-.187	.095	.259	-.524
180	3105	-.372	.040	-.238	-.510
180	3106	-.266	.038	-.137	-.405
180	3107	-.107	.053	.129	-.375
180	3108	.003	.069	.241	-.234
180	3109	.071	.077	.454	-.231
180	3110	.080	.086	.399	-.212
180	3111	-.035	.093	.472	-.330
180	3112	-.210	.098	.466	-.513
180	3113	-.345	.042	-.188	-.524
180	3114	-.233	.049	-.032	-.385
180	3115	-.006	.084	.343	-.203
180	3116	.109	.098	.520	-.147
180	3117	.161	.103	.529	-.125
180	3118	.140	.093	.517	-.137
180	3119	-.085	.121	.398	-.495
180	3120	-.214	.113	.304	-.638
180	3122	-.367	.062	-.122	-.556
180	3123	-.470	.084	-.205	-.756
180	3124	-.492	.091	-.156	-.751
180	3125	-.335	.047	-.126	-.487
180	3126	-.374	.035	-.258	-.487
180	3127	-.061	.085	.310	-.429
180	3128	.106	.106	.544	-.201
180	3129	-.042	.075	.240	-.322
180	3130	.094	.074	.378	-.089
180	3131	.175	.108	.618	-.082
180	3132	.009	.089	.441	-.343
180	3133	-.057	.082	.217	-.743
180	3134	-.106	.059	.323	-.105
180	3135	-.063	.094	.313	-.378
180	3136	-.083	.088	.285	-.420
180	3137	-.174	.107	.305	-.606
180	3138	-.207	.045	-.044	-.371
180	3139	-.201	.126	.329	-.541
180	3140	-.333	.066	-.093	-.630
180	3141	-.240	.067	.091	-.489
180	3142	-.115	.060	.138	-.256
180	3143	-.038	.102	.324	-.413
180	3144	-.304	.059	-.042	-.651
180	3145	-.212	.057	.114	-.422
180	3146	-.065	.049	.133	-.200
180	3147	-.025	.094	.310	-.357
180	3148	-.038	.089	.266	-.331
180	3149	-.060	.107	.475	-.485
180	3150	-.045	.068	.185	-.220
180	4001	.354	.180	.878	-.290
180	4002	.058	.186	.542	-.611
180	4003	-.460	.255	.319	-1.432
180	4004	-.046	.108	.364	-.585
180	4005	-.016	.094	.290	-.284
180	4006	.008	.085	.330	-.251
180	4007	-.053	.068	.242	-.260
180	4008	-.228	.041	-.058	-.362
180	4009	.381	.220	1.037	-.692
180	4010	.037	.203	.681	-.601
180	4011	-.530	.269	.427	-1.423
180	4012	-.010	.175	.443	-1.087
180	4013	.023	.094	.451	-.239
180	4014	.001	.087	.334	-.261
180	4015	-.093	.066	.184	-.321
180	4016	-.247	.041	-.065	-.424
180	4017	.177	.258	.830	-.767
180	4018	-.145	.187	.430	-.702
180	4019	-.730	.250	.095	-1.649
180	4020	-.293	.265	.315	-1.466
180	4021	-.054	.077	.272	-.408
180	4022	-.071	.068	.262	-.296
180	4023	-.162	.052	.095	-.352
180	4024	-.283	.039	-.137	-.442
180	4025	-.168	.226	.491	-.861
180	4026	-.339	.125	.191	-.724
180	4027	-.979	.204	-.264	-1.898
180	4028	-.593	.333	.067	-1.633
180	4029	-.143	.068	.070	-.611
180	4030	-.172	.050	.026	-.424
180	4031	-.254	.041	-.086	-.409
180	4032	-.312	.039	-.162	-.506
180	4033	-.510	.175	.112	-1.170
180	4034	-.477	.082	-.233	-.827
180	4035	-.989	.189	-.490	-1.800
180	4036	-.943	.226	-.205	-1.759
180	4037	-.323	.189	.066	-1.160
180	4038	-.233	.058	-.021	-.624
180	4039	-.294	.039	-.138	-.480
180	4040	-.334	.043	-.191	-.486
180	4041	-.513	.198	.199	-1.219
180	4042	-.410	.074	-.160	-.746
180	4043	-.748	.119	-.459	-1.553
180	4044	-.727	.114	-.301	-1.415
180	4045	-.603	.157	-.023	-1.294
180	4046	-.405	.134	-.069	-1.063
180	4047	-.341	.079	-.100	-.682
180	4048	-.363	.057	-.178	-.650
180	4049	-.465	.218	.269	-1.387
180	4050	-.434	.091	-.124	-.793
180	4051	-.845	.166	-.359	-1.643
180	4052	-.780	.151	-.274	-1.433
180	4053	-.543	.166	-.145	-1.310
180	4054	-.391	.109	-.100	-.991
180	4055	-.377	.061	-.202	-.797
180	4056	-.403	.055	-.232	-.686
180	4057	-.452	.203	.255	-1.203
180	4058	-.504	.102	-.183	-.967
180	4059	-.977	.213	-.528	-2.028
180	4060	-.706	.131	-.281	-1.264
180	4061	-.517	.120	-.197	-1.123
180	4062	-.419	.091	-.181	-.848
180	4063	-.385	.057	-.235	-.832
180	4064	-.406	.045	-.281	-.697
180	4065	-.784	.156	-.388	-1.476
180	4066	-.791	.136	-.410	-1.425
180	4067	-.654	.147	-.088	-1.229
180	4068	-.492	.155	-.045	-1.080
180	4069	-.459	.076	-.129	-.914
180	4070	-.271	.107	.129	-.660
180	4071	-.788	.138	-.479	-1.424
180	4072	-.798	.139	-.412	-1.640
180	4073	-.705	.136	-.281	-1.205
180	4074	-.529	.150	-.088	-1.077
180	4075	-.411	.097	-.119	-.899
180	4076	-.342	.065	-.169	-.731
180	4077	-.366	.043	-.241	-.587
180	4078	-.752	.166	-.417	-1.792
180	4079	-.768	.148	-.373	-1.541
180	4080	-.645	.139	-.216	-1.183
180	4081	-.517	.116	-.159	-1.018
180	4082	-.428	.089	-.179	-.834
180	4083	-.394	.055	-.162	-.671
180	4084	-.378	.045	-.207	-.580
180	4085	-.681	.147	-.344	-1.626
180	4086	-.694	.145	-.284	-1.353
180	4087	-.604	.130	-.219	-1.084
180	4088	-.460	.105	-.182	-.933
180	4089	-.392	.074	-.182	-.760
180	4090	-.378	.052	-.222	-.655
180	4091	-.401	.044	-.262	-.571
180	4092	-.675	.154	-.277	-1.554


APPENDIX A -- PRESSURE DATA:
ENERGY CENTER II -- DENVER , COLORADO
CPMIN
CPMAX
CPRMS
CPMEAN
TAP
WD

APPENDIX A -- PRESSURE DATA: ENERGY CENTER II -- DENVER , COLORADO

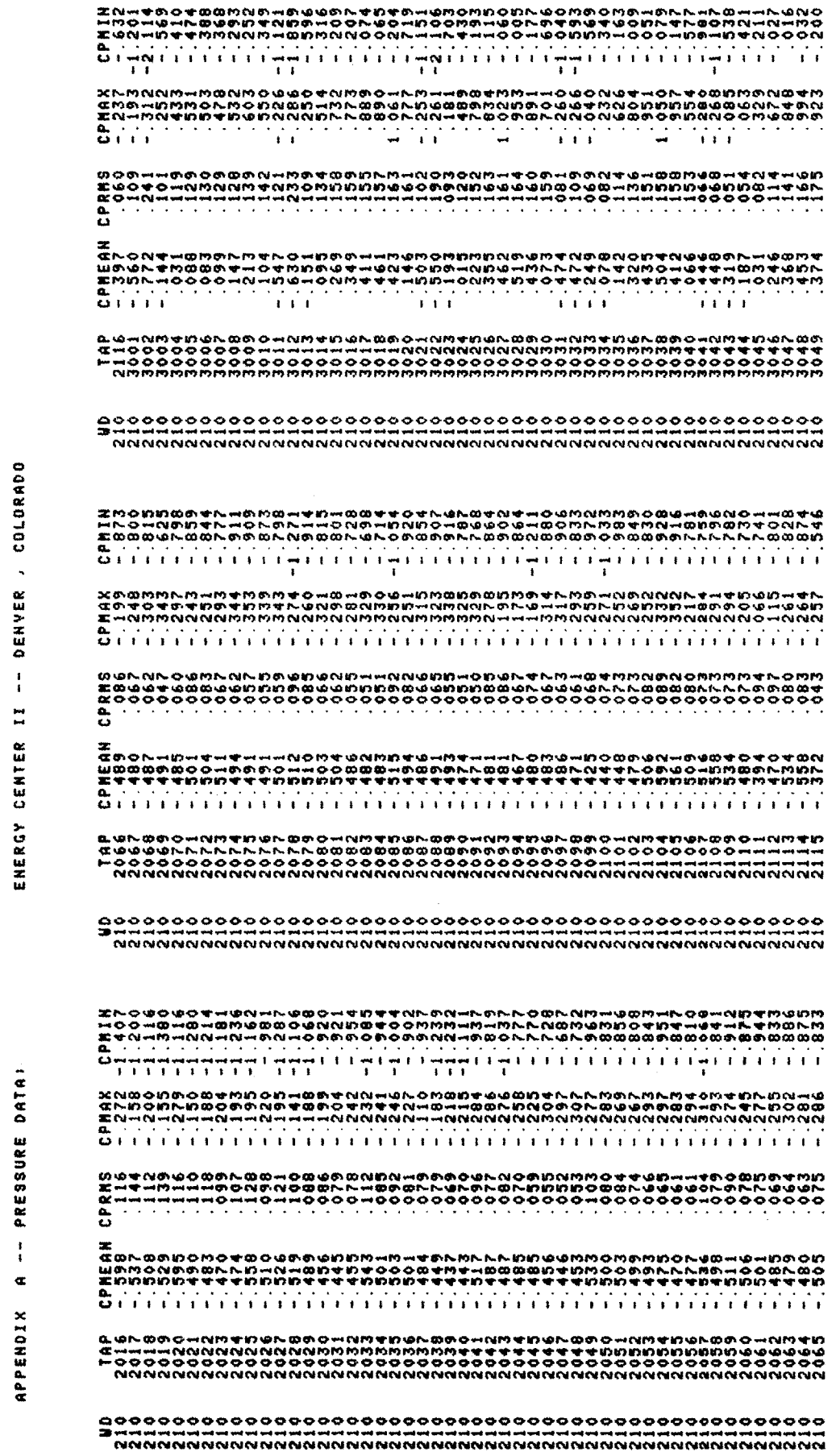
WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
195	1103	-.414	.056	-.223	-.611
195	1104	-.512	.059	-.289	-.720
195	1105	-.362	.045	-.183	-.610
195	1106	-.364	.043	-.201	-.561
195	1107	-.390	.042	-.283	-.537
195	1108	-.443	.048	-.299	-.617
195	1109	-.364	.043	-.216	-.560
195	1110	-.401	.046	-.249	-.590
195	1111	-.242	.007	.269	.216
195	1112	-.164	.019	-.125	-.215
195	1113	-.366	.040	-.233	-.498
195	1114	-.368	.039	-.239	-.520
195	1115	-.386	.038	-.245	-.518
195	1116	-.444	.047	-.279	-.597
195	1117	-.382	.043	-.171	-.522
195	1118	-.429	.044	-.283	-.619
195	1119	-.445	.039	-.321	-.580
195	1120	-.525	.046	-.380	-.720
195	1121	-.375	.037	-.267	-.537
195	1122	-.388	.037	-.277	-.532
195	1123	-.410	.043	-.307	-.562
195	1124	-.389	.044	-.248	-.569
195	1125	-.421	.042	-.302	-.581
195	1126	-.467	.054	-.305	-.691
195	1127	-.432	.036	-.327	-.569
195	1128	-.436	.051	-.281	-.635
195	1129	-.391	.041	-.244	-.532
195	1130	-.404	.041	-.272	-.539
195	1131	-.382	.036	-.284	-.513
195	1132	-.418	.041	-.277	-.565
195	1133	-.414	.036	-.312	-.553
195	1134	-.425	.036	-.312	-.560
195	1135	-.381	.034	-.287	-.481
195	1136	-.383	.042	-.234	-.513
195	1137	-.372	.041	-.218	-.490
195	1138	-.410	.038	-.284	-.556
195	1139	-.393	.027	-.316	-.475
195	1140	-.398	.037	-.279	-.530
195	1141	-.431	.050	-.293	-.663
195	2001	-.400	.095	-.115	-.923
195	2002	-.408	.100	-.117	-.947
195	2003	-.466	.123	-.129	-1.089
195	2004	-.507	.108	-.206	-1.195
195	2005	-.425	.098	-.111	-1.139
195	2006	-.416	.095	-.128	-1.170
195	2007	-.404	.085	-.187	-1.455
195	2008	-.471	.080	-.257	-1.315
195	2009	-.416	.100	-.127	-.947
195	2010	-.413	.085	-.142	-.989
195	2011	-.467	.119	-.209	-1.232
195	2012	-.436	.089	-.209	-.947
195	2013	-.467	.077	-.240	-.931
195	2014	-.377	.060	-.224	-.668
195	2015	-.361	.058	-.198	-.629
195	2016	-.432	.060	-.264	-.759
195	2017	-.420	.085	-.168	-.889
195	2018	-.418	.066	-.222	-.839
195	2019	-.456	.085	-.242	-1.062
195	2020	-.498	.074	-.309	-1.041
195	2021	-.392	.049	-.228	-.613
195	2022	-.366	.046	-.230	-.566
195	2023	-.353	.045	-.216	-.631
195	2024	-.354	.050	-.177	-.636
195	2025	-.443	.082	-.244	-.801
195	2026	-.425	.061	-.235	-.857
195	2027	-.459	.079	-.226	-1.357
195	2028	-.440	.067	-.218	-.947
195	2029	-.399	.049	-.242	-.612
195	2030	-.368	.042	-.212	-.548
195	2031	-.353	.040	-.223	-.534
195	2032	-.353	.041	-.233	-.545
195	2033	-.453	.071	-.223	-.717
195	2034	-.428	.049	-.273	-.606
195	2035	-.454	.057	-.297	-.716
195	2036	-.443	.052	-.298	-.667
195	2037	-.419	.046	-.291	-.617
195	2038	-.388	.039	-.254	-.557
195	2039	-.373	.037	-.247	-.493
195	2040	-.372	.038	-.247	-.516
195	2041	-.474	.073	-.286	-.777
195	2042	-.446	.050	-.303	-.648
195	2043	-.459	.056	-.306	-.728
195	2044	-.451	.053	-.305	-.687
195	2045	-.443	.047	-.300	-.654
195	2046	-.420	.039	-.308	-.592
195	2047	-.406	.035	-.306	-.585
195	2048	-.402	.035	-.282	-.569
195	2049	-.498	.081	-.275	-1.041
195	2050	-.468	.057	-.298	-.757
195	2051	-.479	.062	-.325	-.797
195	2052	-.469	.059	-.316	-.840
195	2053	-.462	.048	-.333	-.668
195	2054	-.443	.045	-.315	-.701
195	2055	-.433	.043	-.302	-.622
195	2056	-.433	.044	-.302	-.645
195	2057	-.505	.079	-.314	-.899
195	2058	-.479	.057	-.277	-.734
195	2059	-.495	.068	-.300	-.795
195	2060	-.481	.058	-.316	-.785
195	2061	-.476	.054	-.328	-.670
195	2062	-.461	.050	-.329	-.671
195	2063	-.451	.049	-.297	-.705
195	2064	-.448	.049	-.307	-.625
195	2065	-.499	.063	-.291	-.750
195	2066	-.498	.065	-.301	-.769
195	2067	-.479	.059	-.281	-.730
195	2068	-.472	.056	-.329	-.678
195	2069	-.464	.038	-.381	-.620
195	2070	-.467	.061	-.273	-.846
195	2071	-.494	.060	-.335	-.801
195	2072	-.493	.062	-.298	-.747
195	2073	-.493	.056	-.307	-.722
195	2074	-.466	.050	-.333	-.722
195	2075	-.458	.047	-.339	-.698
195	2076	-.460	.054	-.322	-.827
195	2077	-.464	.054	-.328	-.922
195	2078	-.491	.063	-.336	-.834
195	2079	-.487	.058	-.350	-.760
195	2080	-.481	.052	-.342	-.689
195	2081	-.495	.047	-.352	-.661
195	2082	-.480	.045	-.333	-.645
195	2083	-.475	.043	-.341	-.631
195	2084	-.471	.044	-.345	-.627
195	2085	-.495	.062	-.358	-.819
195	2086	-.485	.061	-.349	-.818
195	2087	-.476	.050	-.343	-.668
195	2088	-.474	.048	-.349	-.691
195	2089	-.492	.051	-.326	-.691
195	2090	-.481	.051	-.319	-.659
195	2091	-.480	.050	-.316	-.647
195	2092	-.486	.064	-.289	-.829
195	2093	-.486	.061	-.314	-.722
195	2094	-.473	.054	-.317	-.762
195	2095	-.472	.053	-.313	-.947
195	2096	-.468	.053	-.313	-.776
195	2097	-.460	.053	-.289	-.894
195	2098	-.452	.052	-.301	-.846
195	2099	-.425	.059	-.282	-.820
195	2100	-.444	.062	-.291	-.849
195	2101	-.448	.064	-.238	-.743
195	2102	-.474	.064	-.277	-.865
195	2103	-.501	.076	-.282	-.897
195	2104	-.583	.085	-.281	-.980
195	2105	-.558	.078	-.310	-.969
195	2106	-.513	.081	-.237	-.791
195	2107	-.517	.076	-.275	-.811
195	2108	-.554	.085	-.322	-.877
195	2109	-.532	.088	-.285	-.849
195	2110	-.482	.071	-.194	-.719
195	2111	-.379	.087	-.103	-.753


APPENDIX A -- PRESSURE DATA:
ENERGY CENTER II -- DENVER , COLORADO
CPMIN
CPMAX
CPRMS
CPMEAN
TAP
WD


APPENDIX A -- PRESSURE DATA:
ENERGY CENTER II -- DENVER , COLORADO

APPENDIX A -- PRESSURE DATA: ENERGY CENTER II -- DENVER , COLORADO

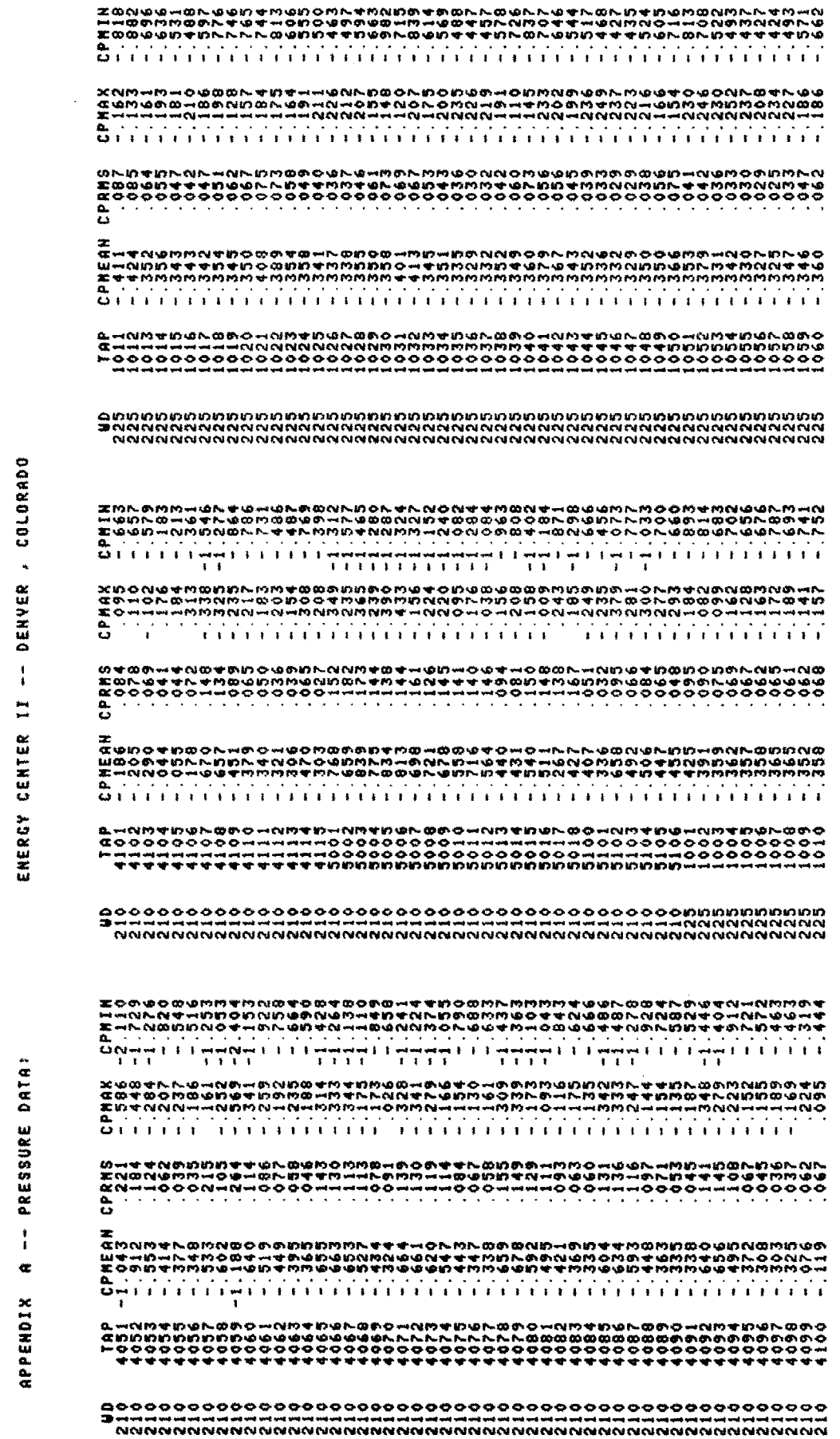
WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
210	1007	-.373	.075	-.109	-.659
210	1008	-.389	.079	-.145	-.722
210	1009	-.397	.094	-.140	-.868
210	1010	-.441	.114	-.127	-.995
210	1011	-.373	.074	-.136	-.704
210	1012	-.395	.072	-.161	-.753
210	1013	-.343	.061	-.156	-.570
210	1014	-.346	.058	-.161	-.555
210	1015	-.334	.057	-.160	-.574
210	1016	-.340	.053	-.161	-.561
210	1017	-.346	.056	-.168	-.574
210	1018	-.369	.060	-.188	-.582
210	1019	-.390	.077	-.136	-.736
210	1020	-.447	.106	-.081	-.940
210	1021	-.386	.077	-.150	-.771
210	1022	-.370	.071	-.117	-.794
210	1023	-.350	.066	-.141	-.699
210	1024	-.353	.061	-.154	-.638
210	1025	-.340	.055	-.167	-.628
210	1026	-.340	.048	-.194	-.606
210	1027	-.347	.047	-.185	-.541
210	1028	-.372	.050	-.208	-.609
210	1029	-.395	.065	-.176	-.736
210	1030	-.456	.096	-.140	-.882
210	1031	-.398	.081	-.158	-.798
210	1032	-.407	.077	-.168	-.907
210	1033	-.349	.062	-.170	-.650
210	1034	-.352	.053	-.211	-.584
210	1035	-.339	.047	-.217	-.556
210	1036	-.338	.041	-.219	-.504
210	1037	-.344	.041	-.219	-.518
210	1038	-.372	.043	-.244	-.527
210	1039	-.397	.056	-.185	-.660
210	1040	-.450	.080	-.154	-.848
210	1041	-.392	.071	-.184	-.710
210	1042	-.374	.068	-.178	-.711
210	1043	-.349	.058	-.170	-.645
210	1044	-.351	.050	-.192	-.600
210	1045	-.338	.042	-.215	-.549
210	1046	-.338	.036	-.217	-.468
210	1047	-.350	.034	-.239	-.467
210	1048	-.384	.038	-.242	-.550
210	1049	-.411	.050	-.251	-.626
210	1050	-.461	.072	-.237	-.766
210	1051	-.374	.054	-.226	-.718
210	1052	-.397	.054	-.233	-.666
210	1053	-.352	.046	-.183	-.599
210	1054	-.357	.041	-.177	-.584
210	1055	-.348	.035	-.212	-.486
210	1056	-.350	.032	-.233	-.479
210	1057	-.356	.031	-.237	-.471
210	1058	-.390	.036	-.269	-.543
210	1059	-.416	.046	-.246	-.610
210	1060	-.458	.062	-.253	-.678
210	1061	-.356	.038	-.240	-.548
210	1062	-.357	.041	-.217	-.559
210	1063	-.348	.035	-.230	-.525
210	1064	-.357	.033	-.235	-.503
210	1065	-.348	.031	-.255	-.465
210	1066	-.351	.030	-.260	-.484
210	1067	-.362	.030	-.255	-.451
210	1068	-.405	.038	-.281	-.561
210	1069	-.436	.049	-.287	-.601
210	1070	-.478	.069	-.296	-.782
210	1071	-.384	.050	-.226	-.623
210	1072	-.416	.051	-.257	-.623
210	1073	-.356	.046	-.226	-.603
210	1074	-.366	.042	-.244	-.593
210	1075	-.355	.038	-.244	-.544
210	1076	-.360	.043	-.213	-.583
210	1077	-.377	.048	-.228	-.574
210	1078	-.416	.053	-.258	-.632
210	1079	-.443	.058	-.287	-.746
210	1080	-.474	.069	-.283	-.927
210	1081	-.324	.041	-.154	-.470
210	1082	-.430	.053	-.213	-.606
210	1083	-.333	.037	-.199	-.468
210	1084	-.350	.037	-.237	-.503
210	1085	-.336	.037	-.216	-.492
210	1086	-.401	.048	-.228	-.582
210	1087	-.437	.055	-.226	-.657
210	1088	-.410	.049	-.233	-.577
210	1089	-.328	.040	-.194	-.490
210	1090	-.332	.038	-.203	-.496
210	1091	-.337	.033	-.243	-.480
210	1092	-.370	.034	-.236	-.515
210	1093	-.347	.037	-.211	-.468
210	1094	-.395	.047	-.234	-.586
210	1095	-.444	.052	-.257	-.687
210	1096	-.509	.065	-.289	-.765
210	1097	-.334	.044	-.196	-.512
210	1098	-.334	.040	-.200	-.486
210	1099	-.344	.035	-.223	-.461
210	1100	-.371	.037	-.204	-.505
210	1101	-.355	.044	-.187	-.504
210	1102	-.419	.057	-.230	-.674
210	1103	-.464	.057	-.315	-.679
210	1104	-.519	.067	-.332	-.806
210	1105	-.326	.038	-.150	-.483
210	1106	-.331	.036	-.178	-.498
210	1107	-.346	.037	-.240	-.541
210	1108	-.369	.045	-.240	-.563
210	1109	-.387	.058	-.187	-.623
210	1110	-.457	.055	-.288	-.676
210	1111	-.240	.008	-.269	-.213
210	1112	-.302	.011	-.264	-.329
210	1113	-.329	.041	-.162	-.470
210	1114	-.335	.039	-.181	-.488
210	1115	-.352	.043	-.194	-.490
210	1116	-.382	.056	-.180	-.582
210	1117	-.407	.053	-.213	-.652
210	1118	-.462	.052	-.313	-.850
210	1119	-.449	.047	-.277	-.701
210	1120	-.491	.056	-.308	-.729
210	1121	-.337	.036	-.226	-.465
210	1122	-.353	.037	-.245	-.498
210	1123	-.367	.039	-.253	-.528
210	1124	-.346	.051	-.116	-.503
210	1125	-.442	.054	-.302	-.717
210	1126	-.460	.065	-.290	-.814
210	1127	-.424	.035	-.327	-.555
210	1128	-.428	.061	-.276	-.694
210	1129	-.339	.043	-.182	-.491
210	1130	-.354	.044	-.184	-.493
210	1131	-.358	.040	-.248	-.530
210	1132	-.442	.044	-.321	-.609
210	1133	-.412	.040	-.293	-.578
210	1134	-.424	.041	-.297	-.571
210	1135	-.332	.031	-.228	-.442
210	1136	-.332	.039	-.189	-.451
210	1137	-.347	.046	-.149	-.536
210	1138	-.430	.048	-.314	-.682
210	1139	-.390	.030	-.309	-.516
210	1140	-.397	.041	-.267	-.581
210	1141	-.419	.059	-.269	-.745
210	2001	-.508	.150	-.104	-1.409
210	2002	-.495	.141	-.107	-1.083
210	2003	-.539	.175	-.104	-1.475
210	2004	-.564	.166	-.096	-1.472
210	2005	-.540	.165	-.032	-2.020
210	2006	-.558	.159	-.056	-1.731
210	2007	-.543	.120	-.216	-1.242
210	2008	-.610	.119	-.310	-1.219
210	2009	-.521	.157	-.121	-1.363
210	2010	-.507	.131	-.146	-1.160
210	2011	-.551	.183	-.017	-1.443
210	2012	-.507	.133	-.034	-1.177
210	2013	-.601	.147	-.190	-1.505
210	2014	-.529	.145	-.133	-1.523
210	2015	-.507	.121	-.156	-1.253


APPENDIX A -- PRESSURE DATA:
ENERGY CENTER II -- DENVER , COLORADO
WD
TAP
CPMEAN
CPRMS
CPMAX
CPMIN

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
210	3050	.049	.167	.696	-.559
210	3051	-.461	.057	-.296	-.845
210	3052	-.449	.054	-.284	-.853
210	3053	-.357	.048	-.179	-.594
210	3054	-.247	.048	-.036	-.421
210	3055	-.067	.061	.229	-.313
210	3056	.122	.080	.451	-.101
210	3057	.244	.102	.688	-.063
210	3058	.336	.145	.827	-.032
210	3059	.300	.185	.830	-.265
210	3060	.040	.192	.631	-.721
210	3061	-.489	.063	-.296	-.804
210	3062	-.494	.064	-.324	-.885
210	3063	-.375	.052	-.174	-.603
210	3064	-.259	.053	-.011	-.451
210	3065	-.099	.063	.342	-.308
210	3066	.054	.070	.457	-.142
210	3067	.150	.081	.451	-.092
210	3068	.209	.119	.730	-.151
210	3069	.160	.167	.878	-.322
210	3070	-.070	.193	.548	-.719
210	3071	-.499	.066	-.278	-.865
210	3072	-.505	.072	-.328	-.948
210	3073	-.392	.048	-.217	-.598
210	3074	-.235	.048	-.002	-.410
210	3075	-.111	.061	.297	-.311
210	3076	.028	.065	.471	-.171
210	3077	.074	.069	.380	-.147
210	3078	.113	.096	.602	-.185
210	3079	.071	.133	.567	-.385
210	3080	-.101	.162	.455	-.617
210	3081	.042	.072	.347	-.188
210	3082	.016	.112	.464	-.297
210	3083	-.139	.072	.318	-.379
210	3084	-.323	.071	.011	-.622
210	3085	-.045	.076	.347	-.318
210	3086	.070	.095	.414	-.288
210	3087	.013	.145	.717	-.442
210	3088	.015	.123	.654	-.401
210	3089	-.377	.050	-.204	-.589
210	3090	-.242	.064	.052	-.531
210	3091	-.075	.077	.258	-.372
210	3092	.053	.079	.350	-.268
210	3093	.097	.091	.423	-.287
210	3094	.151	.115	.542	-.254
210	3095	.089	.142	.666	-.408
210	3096	-.096	.134	.423	-.516
210	3097	-.359	.046	-.208	-.538
210	3098	-.253	.048	.002	-.415
210	3099	-.068	.053	.347	-.217

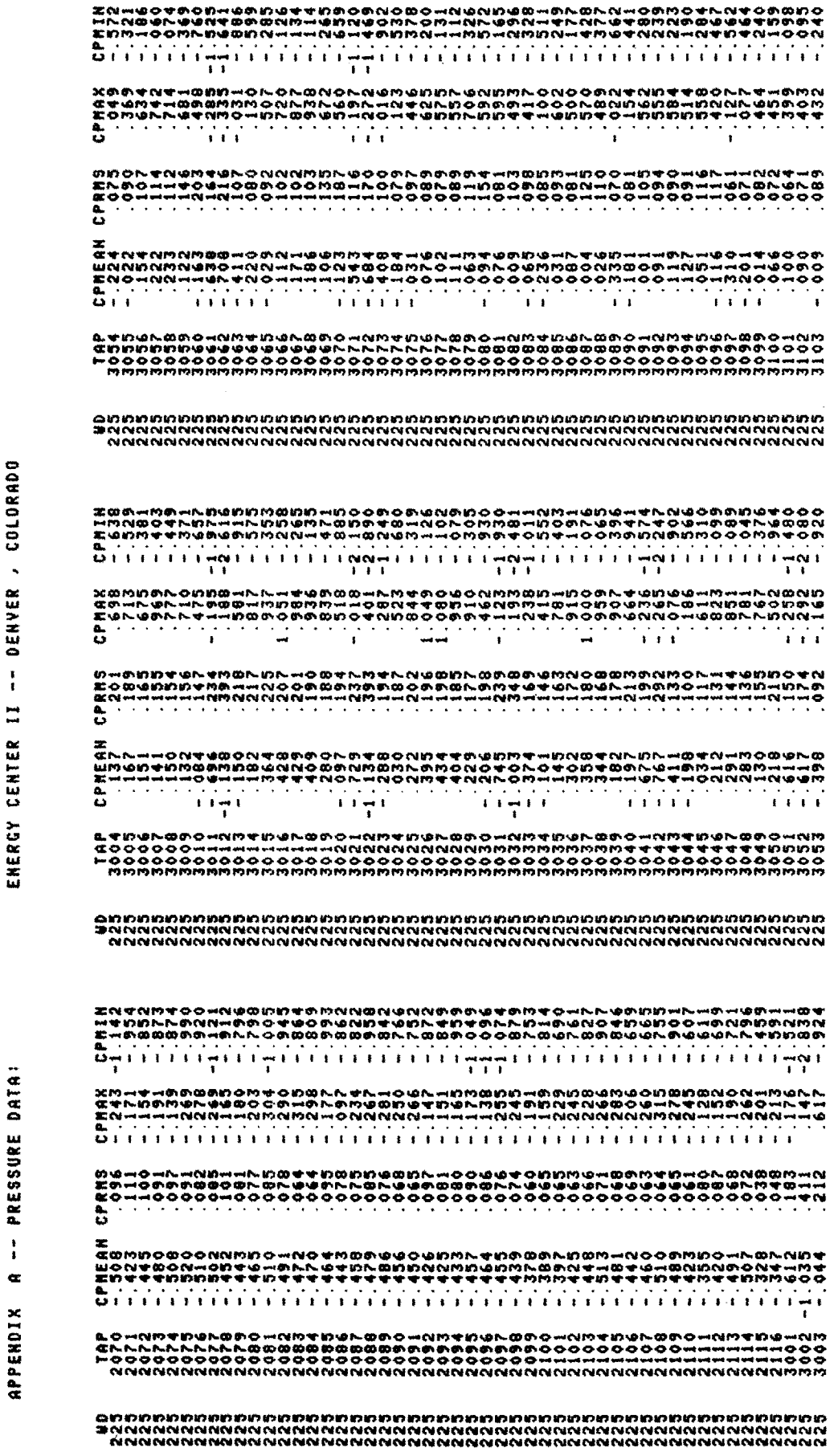
WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
210	3100	.031	.058	.332	-.126
210	3101	.090	.064	.336	-.094
210	3102	.102	.079	.477	-.157
210	3103	.001	.105	.587	-.318
210	3104	-.182	.108	.332	-.494
210	3105	-.386	.052	-.188	-.596
210	3106	-.260	.050	-.027	-.452
210	3107	-.073	.049	.186	-.247
210	3108	.027	.056	.312	-.142
210	3109	.070	.061	.338	-.168
210	3110	.064	.071	.393	-.159
210	3111	-.045	.079	.325	-.256
210	3112	-.206	.078	.204	-.487
210	3113	-.384	.047	-.226	-.585
210	3114	-.275	.043	-.095	-.470
210	3115	-.048	.044	.148	-.179
210	3116	.054	.054	.273	-.100
210	3117	.103	.061	.352	-.045
210	3118	.079	.068	.415	-.086
210	3119	-.083	.078	.229	-.327
210	3120	-.219	.080	.058	-.596
210	3122	-.272	.059	-.041	-.417
210	3123	-.486	.077	-.276	-.788
210	3124	-.519	.081	-.252	-.835
210	3125	-.367	.047	-.217	-.564
210	3126	-.359	.038	-.257	-.485
210	3127	-.093	.043	.125	-.229
210	3128	.059	.059	.340	-.080
210	3129	-.024	.055	.269	-.219
210	3130	.068	.040	.221	-.029
210	3131	.124	.069	.441	-.031
210	3132	.045	.060	.314	-.165
210	3133	.007	.052	.226	-.201
210	3134	.069	.051	.257	-.056
210	3135	-.019	.059	.255	-.307
210	3136	-.005	.047	.236	-.193
210	3137	-.128	.077	.212	-.370
210	3138	-.151	.032	.000	-.280
210	3139	-.162	.083	.118	-.484
210	3140	-.325	.067	-.087	-.559
210	3141	-.228	.063	.106	-.453
210	3142	-.081	.048	.088	-.205
210	3143	-.005	.070	.342	-.186
210	3144	-.322	.060	-.094	-.578
210	3145	-.220	.048	.028	-.415
210	3146	-.073	.039	.074	-.174
210	3147	.027	.064	.271	-.215
210	3148	.011	.063	.241	-.224
210	3149	-.001	.066	.255	-.288
210	3150	.020	.036	.156	-.079

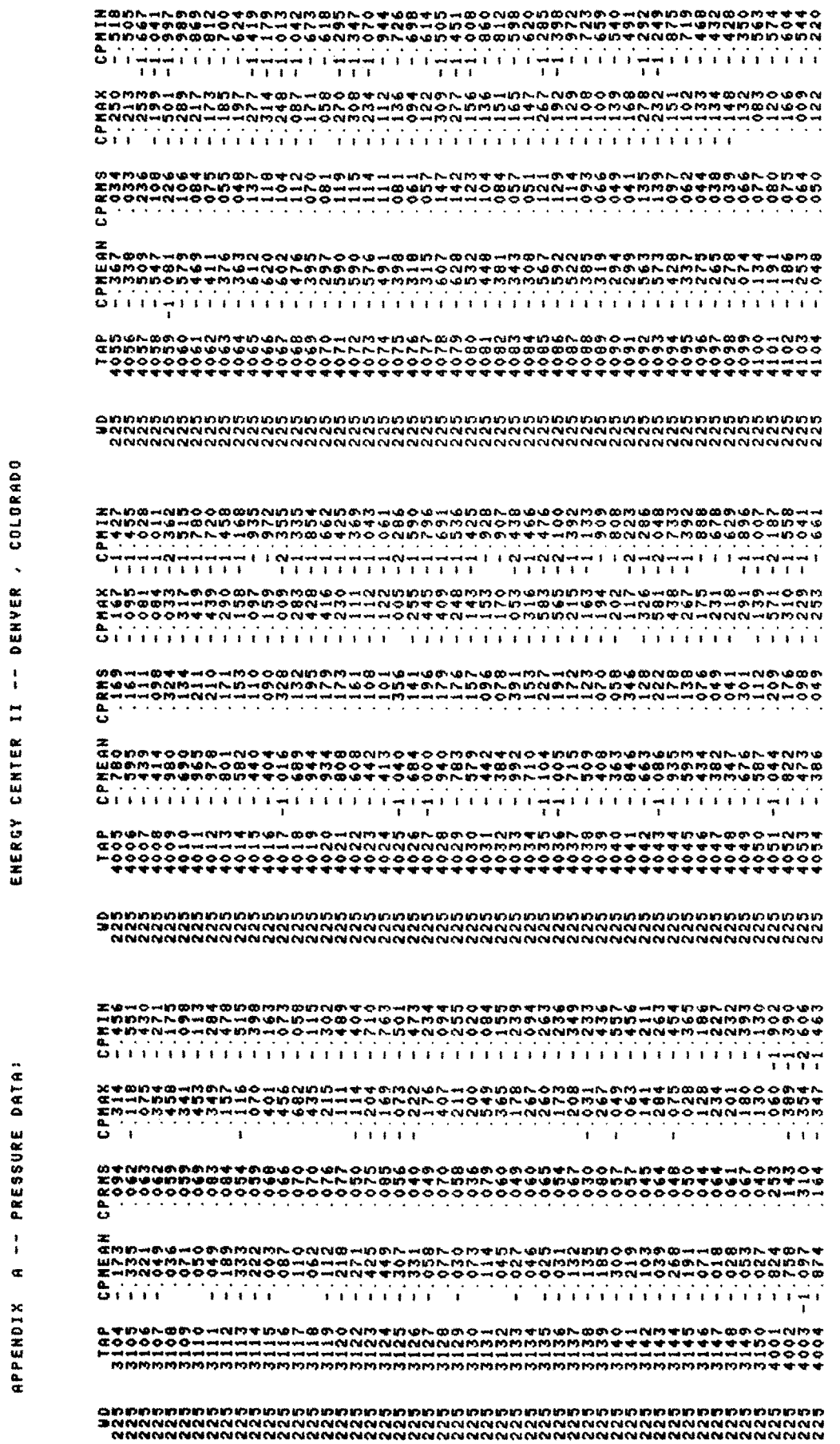
WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
210	4001	-.471	.217	.206	-1.241
210	4002	-.696	.115	-.308	-1.249
210	4003	-1.251	.288	-.596	-2.582
210	4004	-.894	.179	-.412	-1.518
210	4005	-.646	.136	-.260	-1.218
210	4006	-.464	.095	-.175	-.933
210	4007	-.362	.060	-.152	-.652
210	4008	-.369	.059	-.184	-.605
210	4009	-.590	.235	.188	-1.664
210	4010	-.652	.107	-.278	-1.070
210	4011	-1.119	.214	-.585	-1.968
210	4012	-1.104	.194	-.565	-1.962
210	4013	-.695	.171	-.315	-1.292
210	4014	-.438	.108	-.199	-.968
210	4015	-.360	.065	-.159	-.812
210	4016	-.353	.058	-.175	-.636
210	4017	-.681	.220	.128	-1.570
210	4018	-.609	.085	-.281	-.996
210	4019	-.981	.158	-.480	-1.625
210	4020	-.986	.157	-.454	-1.606
210	4021	-.814	.173	-.273	-1.393
210	4022	-.525	.145	-.163	-1.175
210	4023	-.381	.079	-.105	-.852
210	4024	-.376	.070	-.118	-.701
210	4025	-.724	.213	-.005	-1.705
210	4026	-.559	.089	-.311	-1.076
210	4027	-.974	.150	-.536	-1.662
210	4028	-.948	.142	-.522	-1.626
210	4029	-.824	.169	-.238	-1.407
210	4030	-.571	.162	-.093	-1.238
210	4031	-.411	.092	-.126	-.939
210	4032	-.366	.069	-.135	-.726
210	4033	-.721	.225	.198	-1.574
210	4034	-.558	.098	-.235	-.962
210	4035	-.989	.161	-.581	-1.702
210	4036	-.959	.152	-.574	-1.650
210	4037	-.815	.171	-.168	-1.355
210	4038	-.566	.169	-.036	-1.416
210	4039	-.416	.096	-.007	-.856
210	4040	-.371	.073	-.114	-.715
210	4041	-.653	.239	.179	-1.565
210	4042	-.593	.107	-.261	-1.053
210	4043	-1.055	.206	-.612	-1.996
210	4044	-.995	.180	-.525	-1.706
210	4045	-.726	.190	-.135	-1.444
210	4046	-.494	.140	-.024	-1.245
210	4047	-.393	.076	-.185	-.880
210	4048	-.361	.056	-.222	-.803
210	4049	-.642	.243	.063	-1.765
210	4050	-.592	.105	-.280	-1.107


APPENDIX A -- PRESSURE DATA:
ENERGY CENTER II -- DENVER , COLORADO
WD
TAP
CPMEAN
CPRMS
CPMAX
CPMIN

APPENDIX A -- PRESSURE DATA: ENERGY CENTER II -- DENVER , COLORADO

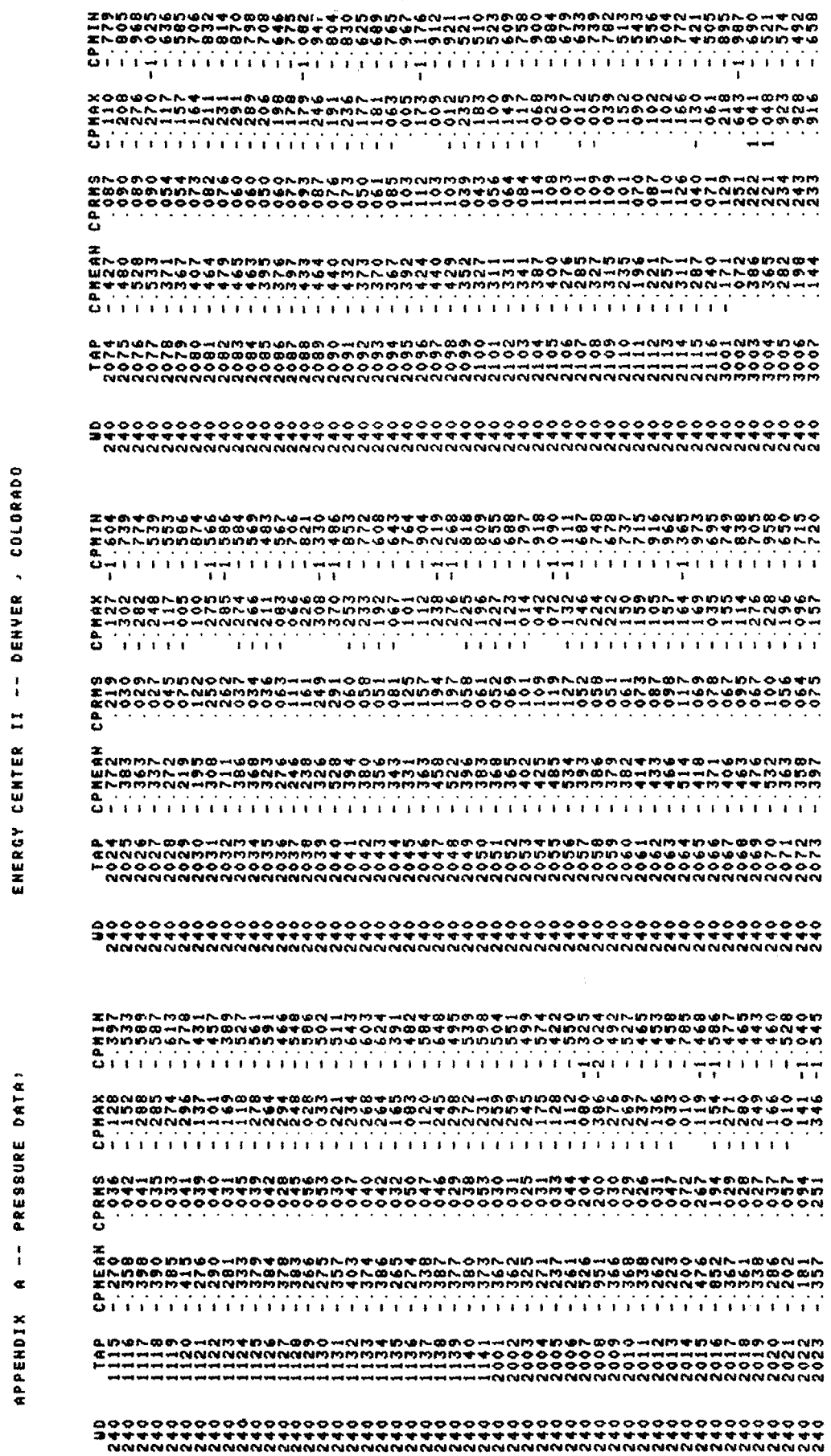
WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
225	1061	-.348	.037	-.216	-.518
225	1062	-.347	.041	-.197	-.562
225	1063	-.324	.034	-.212	-.683
225	1064	-.334	.031	-.236	-.546
225	1065	-.322	.028	-.228	-.435
225	1066	-.320	.025	-.233	-.436
225	1067	-.329	.029	-.250	-.429
225	1068	-.353	.036	-.236	-.493
225	1069	-.348	.047	-.222	-.515
225	1070	-.356	.060	-.190	-.586
225	1071	-.386	.055	-.223	-.686
225	1072	-.414	.057	-.229	-.708
225	1073	-.369	.053	-.206	-.619
225	1074	-.388	.053	-.225	-.609
225	1075	-.373	.046	-.244	-.571
225	1076	-.368	.050	-.226	-.608
225	1077	-.361	.047	-.239	-.559
225	1078	-.369	.041	-.270	-.614
225	1079	-.356	.049	-.217	-.607
225	1080	-.363	.060	-.215	-.615
225	1081	-.298	.040	-.141	-.459
225	1082	-.361	.048	-.206	-.564
225	1083	-.295	.032	-.135	-.422
225	1084	-.313	.037	-.187	-.488
225	1085	-.294	.025	-.191	-.409
225	1086	-.378	.035	-.263	-.540
225	1087	-.363	.048	-.212	-.557
225	1088	-.359	.045	-.196	-.578
225	1089	-.308	.036	-.184	-.452
225	1090	-.306	.034	-.182	-.446
225	1091	-.306	.028	-.220	-.409
225	1092	-.338	.026	-.227	-.441
225	1093	-.333	.026	-.248	-.432
225	1094	-.361	.031	-.251	-.508
225	1095	-.367	.043	-.225	-.534
225	1096	-.407	.059	-.243	-.689
225	1097	-.310	.040	-.172	-.537
225	1098	-.305	.037	-.172	-.453
225	1099	-.307	.028	-.186	-.434
225	1100	-.339	.029	-.234	-.439
225	1101	-.355	.032	-.191	-.471
225	1102	-.379	.037	-.283	-.589
225	1103	-.382	.044	-.255	-.544
225	1104	-.427	.059	-.253	-.677
225	1105	-.277	.037	-.125	-.412
225	1106	-.277	.035	-.136	-.453
225	1107	-.285	.029	-.184	-.397
225	1108	-.331	.038	-.169	-.489
225	1109	-.365	.040	-.209	-.547
225	1110	-.390	.046	-.273	-.599
225	1111	-.213	.008	-.240	-.181
225	1112	-.382	.013	-.345	-.419
225	1113	-.264	.040	-.115	-.388
225	1114	-.271	.037	-.133	-.397
225	1115	-.277	.032	-.154	-.380
225	1116	-.322	.040	-.133	-.525
225	1117	-.365	.045	-.218	-.559
225	1118	-.393	.043	-.269	-.581
225	1119	-.381	.040	-.257	-.551
225	1120	-.419	.048	-.277	-.624
225	1121	-.269	.031	-.145	-.389
225	1122	-.286	.033	-.178	-.405
225	1123	-.288	.030	-.195	-.397
225	1124	-.284	.038	-.134	-.471
225	1125	-.375	.047	-.251	-.677
225	1126	-.387	.056	-.250	-.629
225	1127	-.368	.033	-.274	-.476
225	1128	-.381	.054	-.237	-.635
225	1129	-.255	.040	-.077	-.417
225	1130	-.266	.040	-.084	-.398
225	1131	-.300	.030	-.195	-.411
225	1132	-.383	.049	-.263	-.579
225	1133	-.363	.041	-.253	-.560
225	1134	-.372	.040	-.271	-.580
225	1135	-.262	.026	-.173	-.350
225	1136	-.265	.035	-.131	-.413
225	1137	-.300	.039	-.176	-.454
225	1138	-.378	.044	-.260	-.589
225	1139	-.354	.025	-.285	-.442
225	1140	-.354	.035	-.244	-.513
225	1141	-.361	.054	-.229	-.623
225	2001	-.385	.077	-.152	-.829
225	2002	-.393	.087	-.170	-.916
225	2003	-.385	.085	-.118	-.948
225	2004	-.418	.111	-.072	-.974
225	2005	-.474	.140	-.079	-1.097
225	2006	-.658	.184	-.212	-1.311
225	2007	-.917	.215	-.314	-1.849
225	2008	-1.233	.466	-.504	-3.514
225	2009	-.383	.081	-.135	-.827
225	2010	-.391	.082	-.172	-.775
225	2011	-.378	.084	-.140	-.923
225	2012	-.400	.110	-.061	-.999
225	2013	-.537	.168	-.029	-1.342
225	2014	-.677	.196	-.238	-1.659
225	2015	-.985	.271	-.224	-2.163
225	2016	-1.080	.304	-.318	-2.646
225	2017	-.388	.083	-.101	-.842
225	2018	-.396	.083	-.153	-.887
225	2019	-.398	.091	-.086	-1.097
225	2020	-.448	.113	-.048	-.990
225	2021	-.535	.167	-.012	-1.247
225	2022	-.705	.208	-.062	-1.616
225	2023	-.875	.231	-.250	-1.888
225	2024	-.960	.257	-.237	-2.205
225	2025	-.417	.103	-.149	-1.244
225	2026	-.411	.095	-.165	-.890
225	2027	-.422	.117	-.124	-1.044
225	2028	-.441	.126	-.023	-1.058
225	2029	-.548	.170	-.047	-1.130
225	2030	-.686	.209	-.016	-1.496
225	2031	-.815	.227	-.238	-1.717
225	2032	-.878	.249	-.233	-1.928
225	2033	-.424	.106	-.172	-1.010
225	2034	-.418	.094	-.144	-.898
225	2035	-.433	.114	-.077	-1.009
225	2036	-.450	.115	-.075	-1.051
225	2037	-.544	.144	-.031	-1.291
225	2038	-.621	.171	-.038	-1.322
225	2039	-.658	.191	-.220	-1.504
225	2040	-.686	.212	-.255	-1.745
225	2041	-.412	.089	-.196	-.934
225	2042	-.407	.082	-.184	-.723
225	2043	-.426	.104	-.131	-1.039
225	2044	-.440	.099	-.136	-.911
225	2045	-.532	.121	-.163	-1.185
225	2046	-.599	.141	-.163	-1.418
225	2047	-.614	.151	-.215	-1.511
225	2048	-.619	.150	-.260	-1.566
225	2049	-.393	.072	-.210	-.753
225	2050	-.389	.066	-.219	-.676
225	2051	-.396	.079	-.180	-.831
225	2052	-.409	.086	-.133	-.744
225	2053	-.467	.112	-.144	-1.081
225	2054	-.539	.131	-.188	-1.260
225	2055	-.613	.149	-.255	-1.429
225	2056	-.639	.154	-.269	-1.440
225	2057	-.403	.075	-.196	-.783
225	2058	-.396	.068	-.188	-.735
225	2059	-.407	.082	-.180	-.834
225	2060	-.428	.092	-.131	-.800
225	2061	-.496	.112	-.196	-.975
225	2062	-.528	.122	-.158	-1.039
225	2063	-.559	.119	-.156	-1.149
225	2064	-.599	.128	-.285	-1.116
225	2065	-.465	.092	-.127	-.868
225	2066	-.418	.113	-.078	-.836
225	2067	-.438	.076	-.163	-.773
225	2068	-.512	.105	-.147	-1.073
225	2069	-.507	.054	-.339	-.805

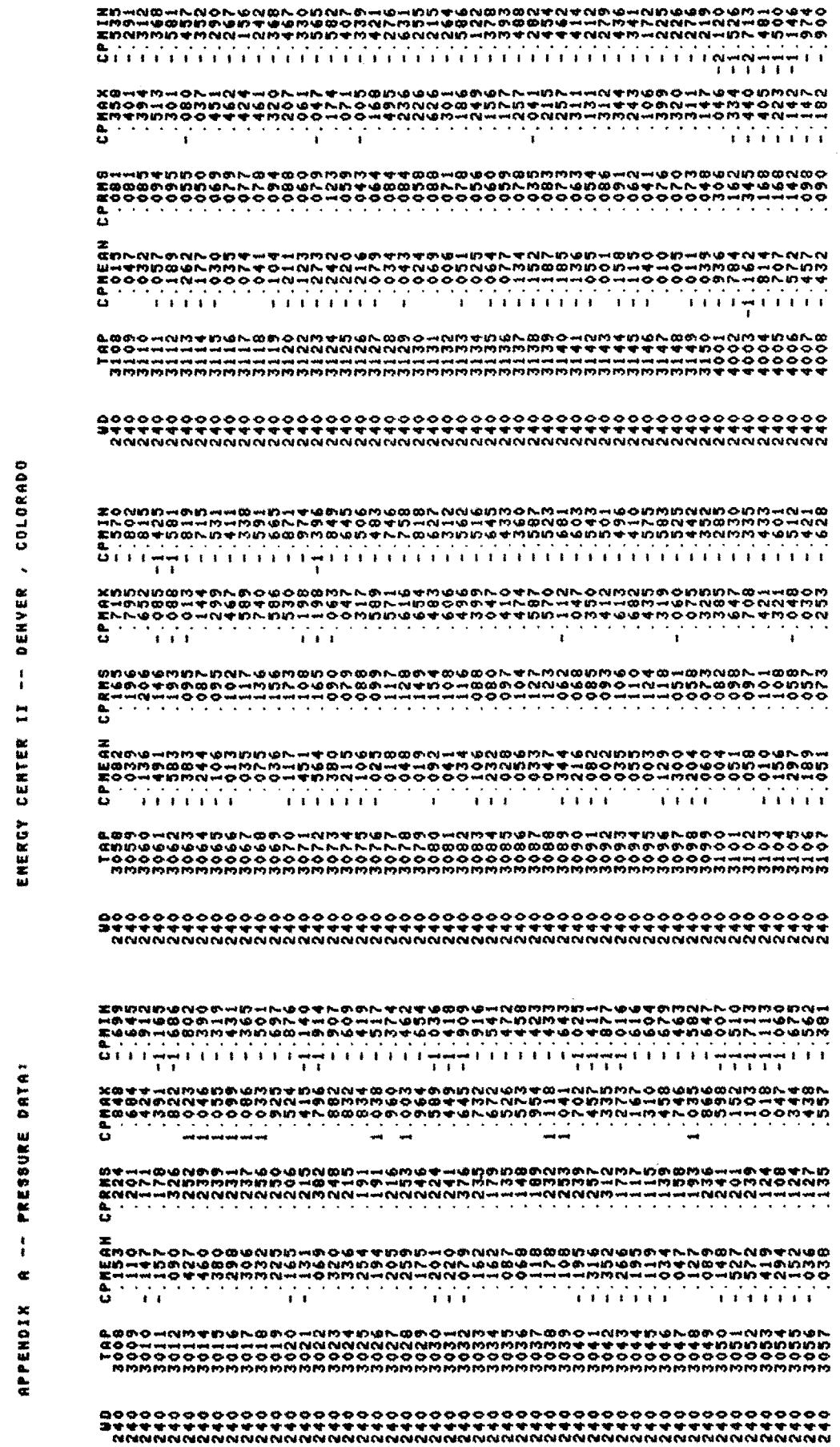

APPENDIX A -- PRESSURE DATA:
ENERGY CENTER II -- DENVER , COLORADO
CPMIN
CPMAX
CPRMS
CPMEAN
TAP
DATE


APPENDIX A -- PRESSURE DATA:
ENERGY CENTER II -- DENVER , COLORADO
CPMIN
CPMAX
CPMEAN
CPRMS
TAP
WD

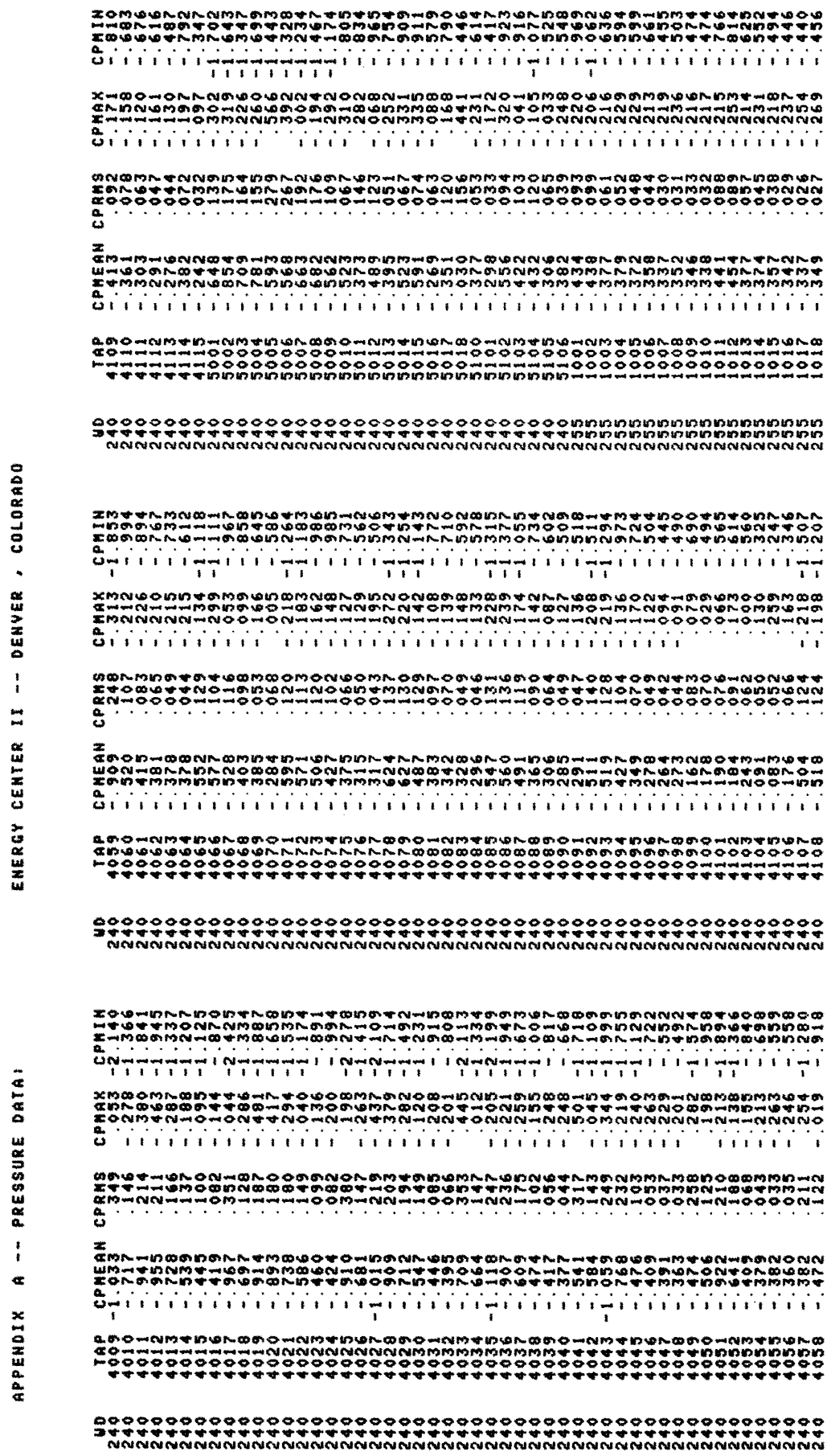
APPENDIX A -- PRESSURE DATA: ENERGY CENTER II -- DENVER , COLORADO

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
225	4105	-.040	.060	.307	-.204
225	4106	-.142	.078	.342	-.347
225	4107	-.550	.135	-.264	-1.151
225	4108	-.547	.122	-.262	-1.097
225	4109	-.383	.074	-.196	-.773
225	4110	-.327	.057	-.186	-.699
225	4111	-.286	.044	-.155	-.528
225	4112	-.281	.038	-.164	-.495
225	4113	-.266	.038	-.142	-.437
225	4114	-.372	.056	-.188	-.643
225	4115	-.248	.029	-.144	-.338
225	5001	-.699	.142	-.338	-1.762
225	5002	-.822	.174	-.407	-1.642
225	5003	-.811	.158	-.376	-1.552
225	5004	-.797	.176	-.271	-1.513
225	5005	-.875	.151	-.222	-1.544
225	5006	-.866	.163	-.276	-1.510
225	5007	-.813	.181	-.227	-1.527
225	5008	-.744	.146	-.250	-1.286
225	5009	-.617	.139	-.226	-1.188
225	5010	-.568	.137	-.164	-1.248
225	5011	-.696	.152	-.195	-1.318
225	5012	-.543	.136	-.020	-1.120
225	5013	-.410	.075	-.199	-.738
225	5014	-.433	.080	-.216	-.832
225	5015	-.523	.129	-.143	-1.145
225	5016	-.439	.148	.004	-.997
225	5017	-.339	.132	.183	-.962
225	5018	-.186	.154	.298	-.904
225	5100	-.367	.047	-.224	-.599
225	5101	-.300	.032	-.194	-.419
225	5102	-.539	.081	-.285	-.919
225	5103	-.461	.085	-.152	-.841
225	5104	-.491	.121	-.237	-1.573
225	5105	-.393	.057	-.243	-.630
225	5106	-.395	.044	-.274	-.533
240	1001	-.427	.080	-.167	-.788
240	1002	-.419	.077	-.213	-.768
240	1003	-.385	.059	-.156	-.676
240	1004	-.386	.050	-.197	-.653
240	1005	-.374	.045	-.219	-.599
240	1006	-.376	.040	-.228	-.593
240	1007	-.362	.037	-.227	-.751
240	1008	-.368	.028	-.272	-.476
240	1009	-.359	.029	-.265	-.477
240	1010	-.355	.030	-.265	-.473
240	1011	-.426	.077	-.208	-.809
240	1012	-.433	.074	-.194	-.858
240	1013	-.382	.052	-.192	-.655
240	1014	-.383	.041	-.229	-.537
240	1015	-.367	.032	-.233	-.504
240	1016	-.364	.028	-.260	-.507
240	1017	-.361	.027	-.268	-.470
240	1018	-.372	.026	-.286	-.463
240	1019	-.361	.028	-.274	-.502
240	1020	-.363	.029	-.269	-.543
240	1021	-.426	.072	-.257	-.853
240	1022	-.410	.070	-.246	-.784
240	1023	-.387	.052	-.205	-.747
240	1024	-.391	.040	-.231	-.578
240	1025	-.374	.030	-.269	-.497
240	1026	-.371	.027	-.258	-.475
240	1027	-.362	.026	-.279	-.461
240	1028	-.375	.026	-.295	-.497
240	1029	-.362	.028	-.283	-.527
240	1030	-.366	.029	-.271	-.561
240	1031	-.411	.062	-.230	-.746
240	1032	-.423	.061	-.270	-.856
240	1033	-.378	.046	-.192	-.593
240	1034	-.386	.036	-.272	-.526
240	1035	-.370	.028	-.285	-.484
240	1036	-.368	.025	-.289	-.477
240	1037	-.358	.025	-.288	-.453
240	1038	-.371	.026	-.293	-.501
240	1039	-.361	.028	-.274	-.511
240	1040	-.364	.030	-.262	-.572
240	1041	-.387	.044	-.276	-.703
240	1042	-.381	.044	-.248	-.777
240	1043	-.370	.039	-.198	-.602
240	1044	-.379	.033	-.240	-.565
240	1045	-.367	.028	-.253	-.534
240	1046	-.366	.024	-.285	-.498
240	1047	-.353	.023	-.279	-.441
240	1048	-.368	.025	-.288	-.465
240	1049	-.361	.032	-.265	-.568
240	1050	-.367	.035	-.256	-.597
240	1051	-.367	.033	-.262	-.574
240	1052	-.388	.036	-.280	-.621
240	1053	-.356	.032	-.245	-.540
240	1054	-.367	.030	-.259	-.540
240	1055	-.356	.026	-.274	-.488
240	1056	-.356	.023	-.287	-.446
240	1057	-.351	.024	-.274	-.428
240	1058	-.369	.031	-.259	-.551
240	1059	-.364	.046	-.197	-.606
240	1060	-.372	.053	-.240	-.776
240	1061	-.375	.042	-.247	-.603
240	1062	-.379	.048	-.219	-.694
240	1063	-.365	.042	-.232	-.702
240	1064	-.370	.035	-.247	-.594
240	1065	-.351	.027	-.260	-.479
240	1066	-.352	.024	-.276	-.441
240	1067	-.353	.026	-.279	-.479
240	1068	-.372	.032	-.272	-.569
240	1069	-.363	.041	-.201	-.579
240	1070	-.373	.050	-.233	-.703
240	1071	-.419	.053	-.247	-.681
240	1072	-.443	.056	-.270	-.721
240	1073	-.410	.053	-.252	-.604
240	1074	-.427	.052	-.277	-.653
240	1075	-.418	.049	-.285	-.647
240	1076	-.393	.045	-.271	-.629
240	1077	-.381	.037	-.274	-.582
240	1078	-.384	.033	-.297	-.581
240	1079	-.371	.041	-.253	-.656
240	1080	-.379	.048	-.262	-.703
240	1081	-.333	.040	-.138	-.500
240	1082	-.361	.034	-.265	-.522
240	1083	-.293	.033	-.172	-.424
240	1084	-.311	.041	-.187	-.487
240	1085	-.305	.028	-.199	-.412
240	1086	-.400	.035	-.289	-.578
240	1087	-.359	.034	-.259	-.560
240	1088	-.361	.033	-.252	-.517
240	1089	-.310	.035	-.177	-.451
240	1090	-.310	.034	-.168	-.477
240	1091	-.310	.026	-.218	-.436
240	1092	-.353	.028	-.249	-.455
240	1093	-.365	.027	-.257	-.475
240	1094	-.376	.030	-.285	-.484
240	1095	-.367	.036	-.249	-.538
240	1096	-.389	.041	-.261	-.621
240	1097	-.312	.045	-.165	-.637
240	1098	-.309	.041	-.168	-.484
240	1099	-.316	.030	-.148	-.414
240	1100	-.369	.035	-.211	-.505
240	1101	-.385	.029	-.269	-.514
240	1102	-.384	.029	-.290	-.506
240	1103	-.371	.036	-.249	-.538
240	1104	-.393	.042	-.254	-.590
240	1105	-.274	.045	-.116	-.560
240	1106	-.273	.042	-.117	-.480
240	1107	-.293	.032	-.155	-.429
240	1108	-.374	.039	-.225	-.500
240	1109	-.403	.036	-.301	-.572
240	1110	-.394	.033	-.285	-.533
240	1111	-.248	.008	-.276	-.225
240	1112	-.321	.023	-.270	-.377
240	1113	-.262	.048	-.092	-.485
240	1114	-.263	.045	-.090	-.514

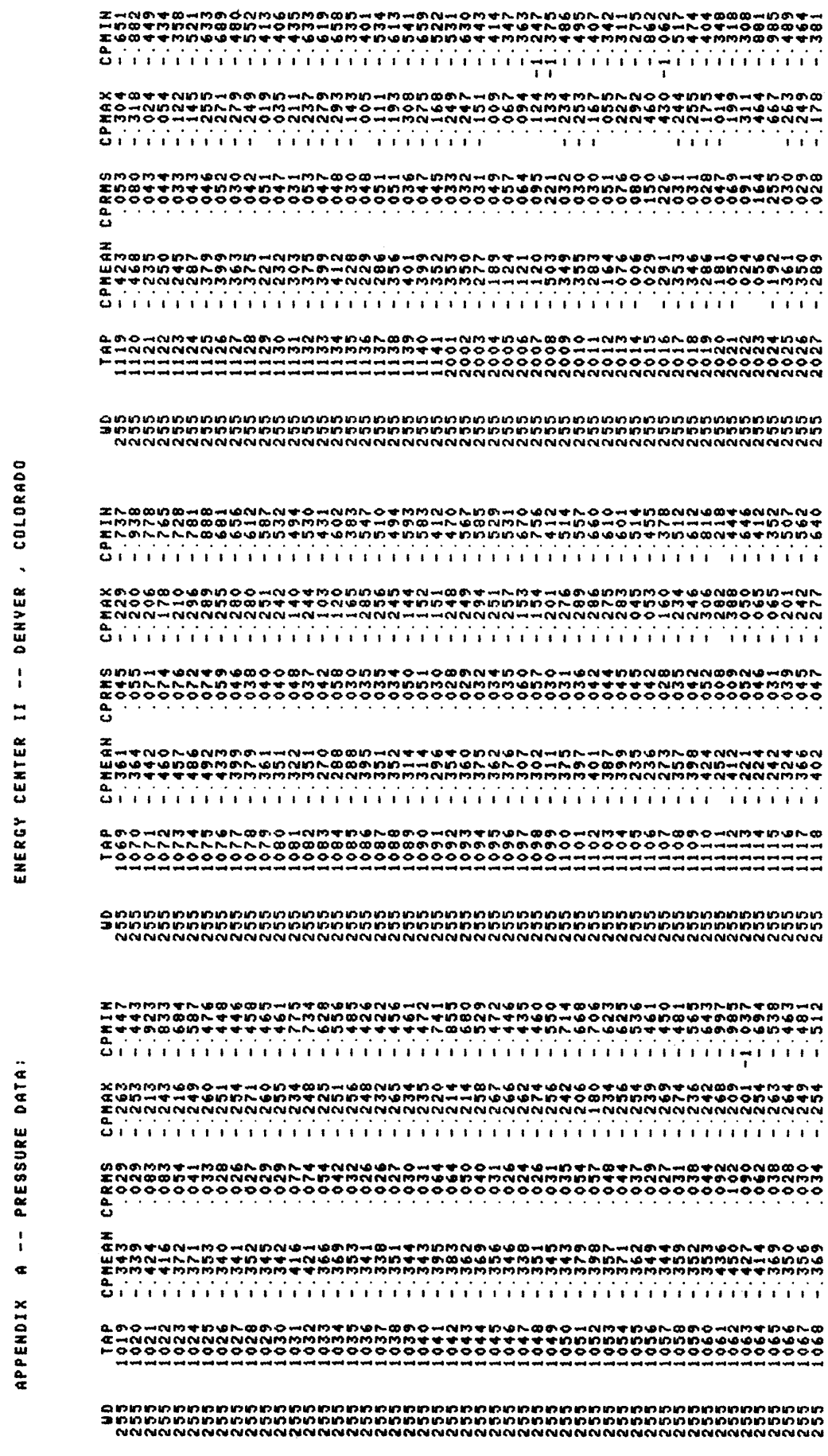

APPENDIX A -- PRESSURE DATA
ENERGY CENTER II -- DENVER , COLORADO
CPMIN
CPMAX
CPRMS
CPMEAN
TAP
UD

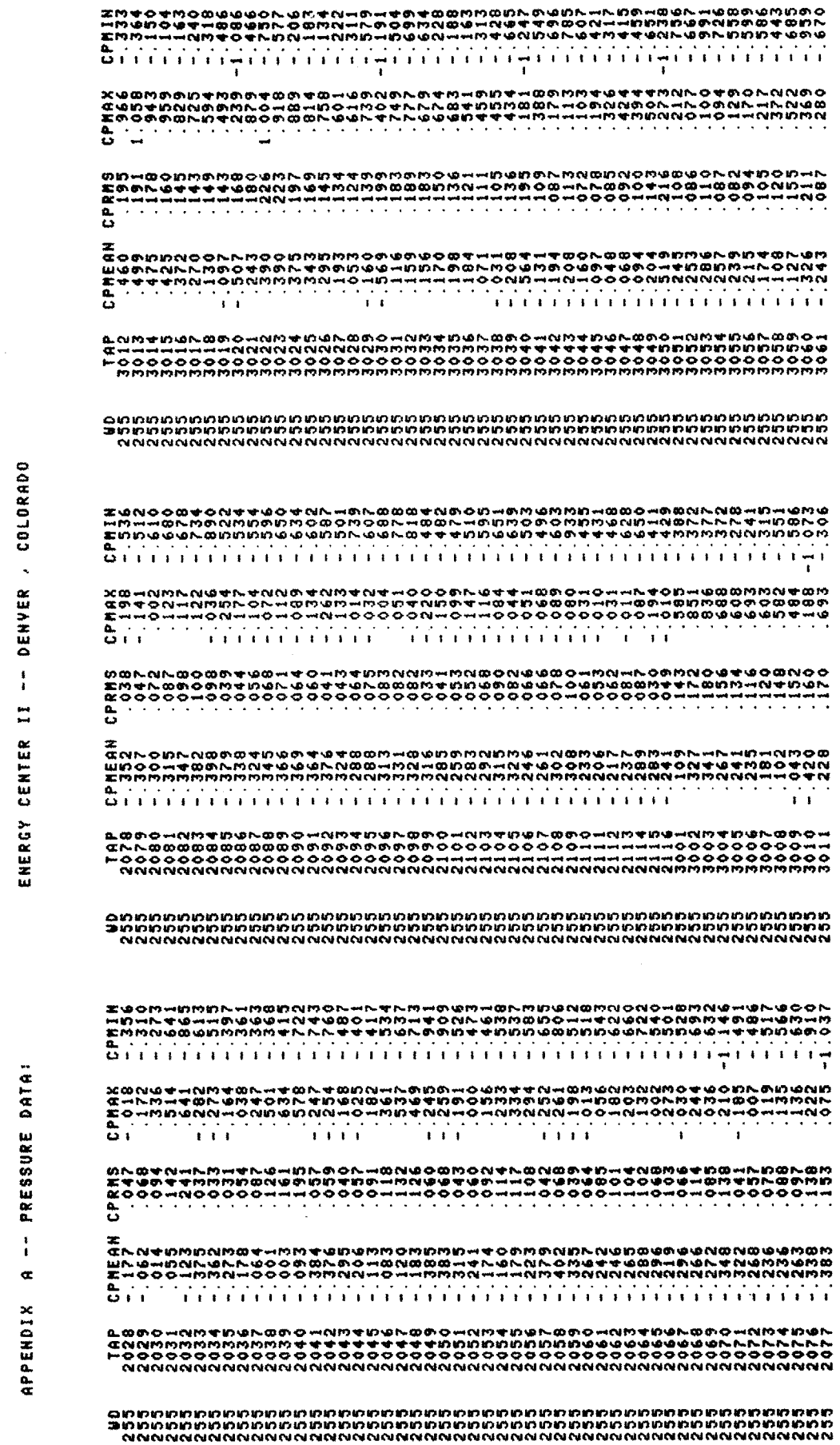


APPENDIX A -- PRESSURE DATA: ENERGY CENTER II -- DENVER , COLORADO


APPENDIX A -- PRESSURE DATA:
ENERGY CENTER II -- DENVER , COLORADO
CPMIN
CPMAX
CPRMS
CPMEAN
TAP
WD

APPENDIX A -- PRESSURE DATA: ENERGY CENTER II -- DENVER , COLORADO

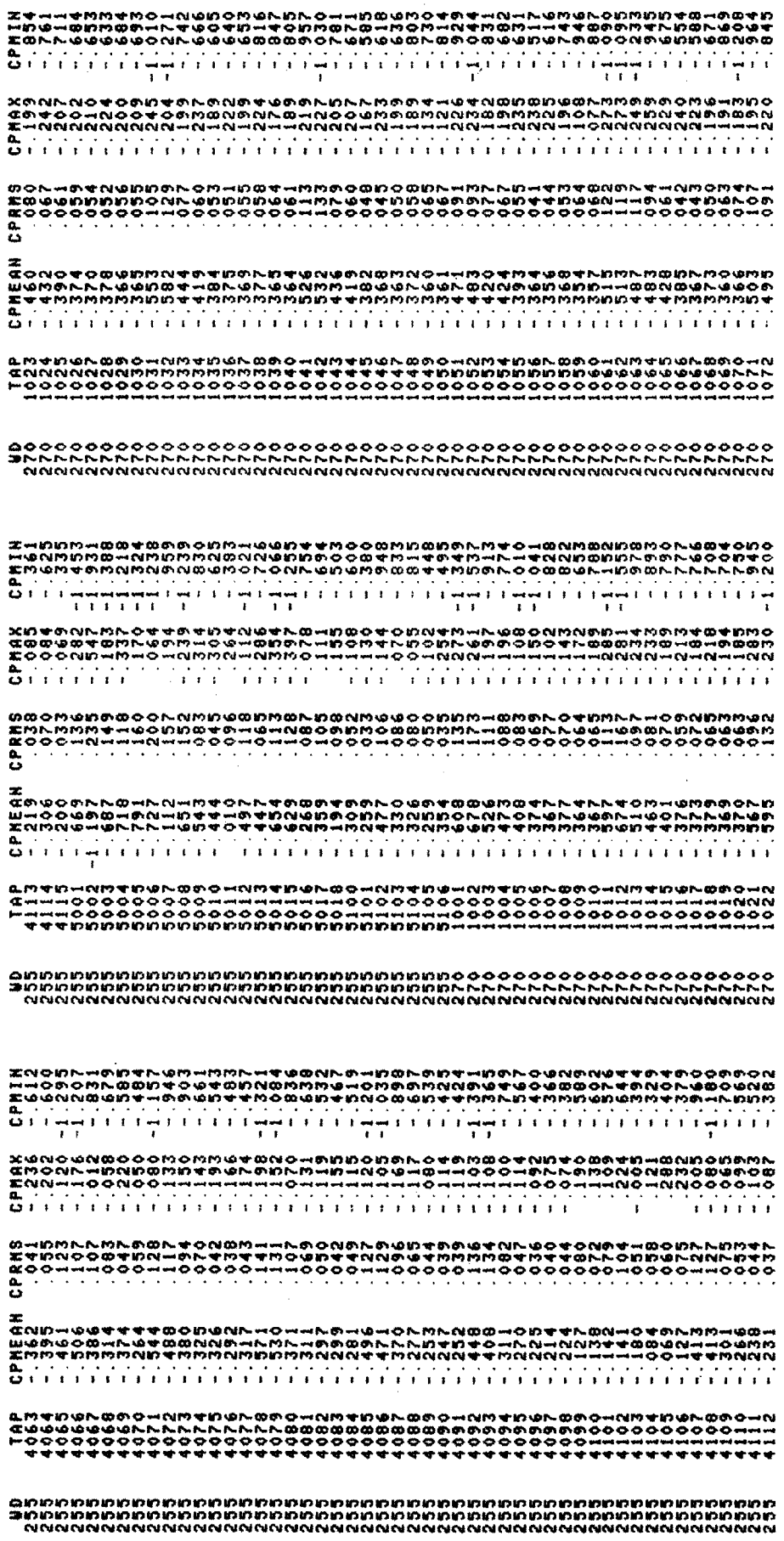


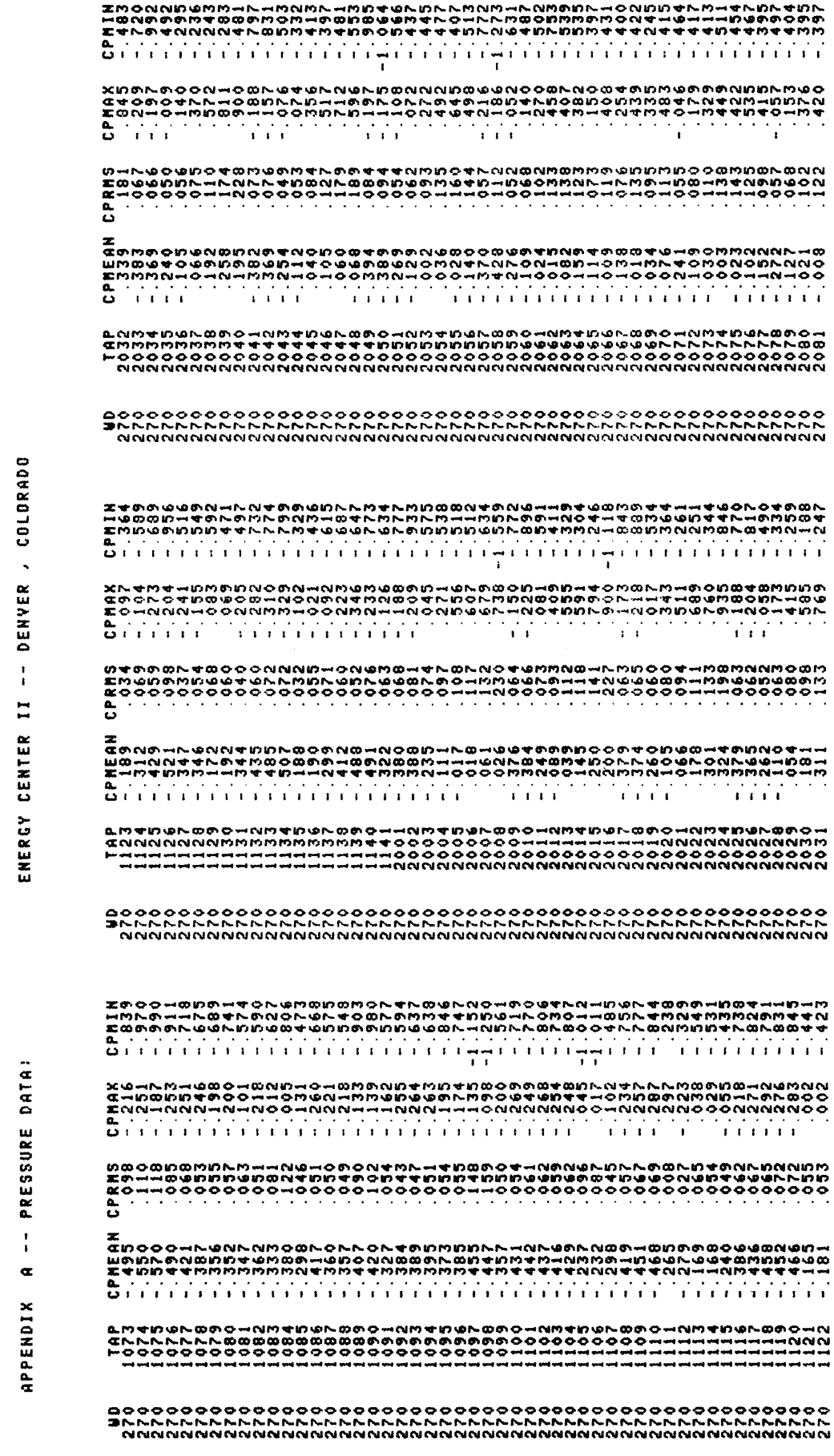

APPENDIX A -- PRESSURE DATA:
ENERGY CENTER II -- DENVER , COLORADO
CPMIN
CPMAX
CPRMS
CPMEAN
TAP
WD

APPENDIX A -- PRESSURE DATA: ENERGY CENTER II -- DENVER , COLORADO

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
255	3062	-.267	.076	.070	-.608
255	3063	.978	.120	1.122	.852
255	3064	.988	.121	1.133	.860
255	3065	.998	.122	1.142	.868
255	3066	.987	.121	1.129	.858
255	3067	.757	.459	1.315	-.457
255	3068	.774	.444	1.131	-.334
255	3069	.781	.452	1.140	-.375
255	3070	.751	.489	1.126	-.641
255	3071	-.270	.081	.283	-.633
255	3072	-.281	.080	-.014	-.784
255	3073	-.271	.070	-.082	-.610
255	3074	-.248	.068	-.011	-.553
255	3075	-.220	.083	.070	-.631
255	3076	-.156	.095	.170	-.523
255	3077	-.133	.104	.224	-.435
255	3078	-.089	.108	.296	-.470
255	3079	-.089	.133	.475	-.624
255	3080	-.161	.155	.429	-.675
255	3081	-.131	.117	.269	-.579
255	3082	-.090	.128	.362	-.510
255	3083	-.222	.089	.087	-.565
255	3084	-.262	.081	-.028	-.710
255	3085	-.207	.110	.207	-.608
255	3086	-.114	.130	.333	-.581
255	3087	-.111	.146	.390	-.661
255	3088	-.101	.138	.338	-.609
255	3089	-.281	.077	-.021	-.650
255	3090	-.237	.067	.086	-.606
255	3091	-.192	.092	.097	-.735
255	3092	-.138	.104	.194	-.622
255	3093	-.113	.114	.232	-.572
255	3094	-.080	.131	.433	-.652
255	3095	-.075	.154	.488	-.728
255	3096	-.157	.147	.456	-.752
255	3097	-.285	.064	-.078	-.549
255	3098	-.236	.059	-.051	-.550
255	3099	-.156	.074	.198	-.546
255	3100	-.097	.078	.191	-.467
255	3101	-.061	.076	.223	-.386
255	3102	-.038	.090	.310	-.349
255	3103	-.064	.118	.348	-.553
255	3104	-.162	.121	.216	-.585
255	3105	-.268	.054	-.039	-.496
255	3106	-.207	.051	.021	-.510
255	3107	-.121	.056	.085	-.401
255	3108	-.066	.065	.207	-.378
255	3109	-.036	.073	.225	-.308
255	3110	-.026	.088	.370	-.345
255	3111	-.054	.107	.352	-.440
255	3112	-.144	.108	.278	-.631
255	3113	-.227	.047	-.007	-.409
255	3114	-.180	.047	.100	-.349
255	3115	-.079	.054	.223	-.279
255	3116	-.026	.063	.257	-.264
255	3117	.012	.070	.381	-.204
255	3118	.014	.082	.440	-.345
255	3119	-.077	.105	.398	-.502
255	3120	-.153	.097	.212	-.649
255	3122	-.160	.069	-.018	-.344
255	3123	-.247	.062	-.073	-.526
255	3124	-.223	.084	.000	-.560
255	3125	-.213	.050	-.026	-.385
255	3126	-.207	.036	-.100	-.337
255	3127	-.091	.072	.358	-.287
255	3128	-.013	.073	.366	-.227
255	3129	-.077	.067	.309	-.370
255	3130	-.001	.057	.220	-.168
255	3131	.031	.087	.510	-.216
255	3132	-.026	.078	.498	-.295
255	3133	-.086	.071	.260	-.413
255	3134	-.016	.056	.274	-.143
255	3135	-.061	.074	.289	-.500
255	3136	-.089	.075	.170	-.390
255	3137	-.076	.096	.285	-.418
255	3138	-.124	.043	.043	-.249
255	3139	-.135	.097	.218	-.450
255	3140	-.179	.056	.035	-.399
255	3141	-.137	.050	.047	-.333
255	3142	-.080	.045	.061	-.208
255	3143	-.055	.083	.344	-.341
255	3144	-.156	.063	.099	-.371
255	3145	-.121	.051	.151	-.309
255	3146	-.067	.035	.052	-.168
255	3147	-.053	.075	.251	-.287
255	3148	-.057	.067	.201	-.302
255	3149	-.079	.071	.219	-.354
255	3150	-.056	.067	.215	-.211
255	4001	-1.189	.393	-.209	-2.663
255	4002	-.761	.181	-.269	-1.598
255	4003	-.863	.280	-.327	-2.186
255	4004	-.712	.161	-.307	-1.339
255	4005	-.658	.164	-.225	-1.435
255	4006	-.575	.153	-.163	-1.442
255	4007	-.489	.130	-.159	-1.327
255	4008	-.476	.139	-.178	-1.198
255	4009	-1.196	.377	-.218	-2.468
255	4010	-.814	.224	-.319	-2.025
255	4011	-.847	.246	-.270	-1.870
255	4012	-.811	.208	-.272	-1.815
255	4013	-.668	.154	-.207	-1.314
255	4014	-.553	.130	-.177	-1.272
255	4015	-.477	.110	-.168	-.953
255	4016	-.461	.120	-.194	-1.059
255	4017	-1.155	.368	-.301	-2.374
255	4018	-.875	.242	-.303	-1.959
255	4019	-.851	.211	-.362	-2.041
255	4020	-.816	.199	-.264	-1.779
255	4021	-.689	.164	-.220	-1.318
255	4022	-.563	.142	-.116	-1.323
255	4023	-.463	.113	-.147	-.963
255	4024	-.458	.116	-.184	-1.095
255	4025	-1.061	.318	-.073	-2.282
255	4026	-.832	.237	-.207	-1.801
255	4027	-.851	.187	-.374	-1.624
255	4028	-.787	.186	-.292	-1.636
255	4029	-.680	.186	-.127	-1.543
255	4030	-.553	.155	-.126	-1.185
255	4031	-.464	.114	-.131	-1.062
255	4032	-.414	.104	-.146	-1.007
255	4033	-1.062	.327	-.129	-2.120
255	4034	-.812	.259	-.145	-2.106
255	4035	-.937	.214	-.407	-1.948
255	4036	-.819	.207	-.267	-1.659
255	4037	-.611	.182	-.174	-1.468
255	4038	-.481	.131	-.072	-1.169
255	4039	-.421	.080	-.198	-.836
255	4040	-.380	.065	-.211	-.719
255	4041	-.728	.335	.291	-1.987
255	4042	-.579	.176	.000	-1.533
255	4043	-.895	.193	-.405	-1.812
255	4044	-.640	.168	-.225	-1.546
255	4045	-.434	.108	-.169	-.985
255	4046	-.386	.069	-.186	-.854
255	4047	-.380	.048	-.236	-.662
255	4048	-.358	.046	-.238	-.602
255	4049	-.456	.248	.192	-1.466
255	4050	-.437	.129	.050	-1.025
255	4051	-.748	.169	-.252	-1.558
255	4052	-.480	.126	-.173	-1.020
255	4053	-.364	.069	-.176	-.673
255	4054	-.360	.048	-.207	-.646
255	4055	-.389	.041	-.248	-.572
255	4056	-.397	.058	-.261	-.695
255	4057	-.340	.189	.359	-1.093
255	4058	-.377	.113	.095	-.847
255	4059	-.632	.166	-.245	-1.655
255	4060	-.407	.090	-.103	-.796
255	4061	-.345	.063	-.143	-.833
255	4062	-.339	.051	-.174	-.594

APPENDIX A -- PRESSURE DATA: ENERGY CENTER II -- DENVER , COLORADO




APPENDIX A -- PRESSURE DATA:
ENERGY CENTER II -- DENVER , COLORADO
WD
TAP
CPMEAN
CPRMS
CPMAX
CPMIN

APPENDIX A -- PRESSURE DATA: ENERGY CENTER II -- DENVER , COLORADO

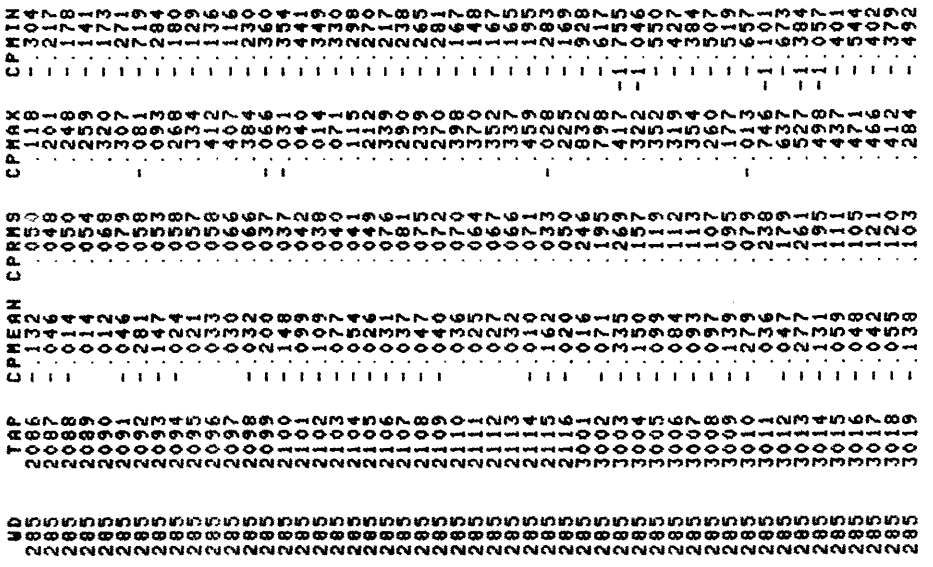
WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
270	2082	-.026	.134	.418	-.386
270	2083	-.089	.118	.461	-.366
270	2084	-.149	.091	.295	-.450
270	2085	-.299	.051	-.141	-.522
270	2086	-.147	.057	.091	-.433
270	2087	-.030	.075	.225	-.339
270	2088	.006	.099	.378	-.336
270	2089	.010	.117	.463	-.350
270	2090	-.037	.117	.399	-.427
270	2091	-.090	.092	.319	-.533
270	2092	-.328	.049	-.155	-.513
270	2093	-.174	.046	.025	-.345
270	2094	-.011	.069	.254	-.338
270	2095	.049	.089	.461	-.427
270	2096	.057	.110	.500	-.400
270	2097	.032	.116	.452	-.404
270	2098	-.012	.089	.424	-.363
270	2099	-.223	.045	-.064	-.402
270	2100	-.124	.036	.014	-.262
270	2101	-.052	.041	.103	-.238
270	2102	-.071	.038	.061	-.206
270	2103	-.025	.052	.158	-.237
270	2104	.003	.066	.257	-.222
270	2105	.047	.096	.493	-.305
270	2106	.011	.095	.421	-.265
270	2107	-.005	.087	.416	-.284
270	2108	-.053	.072	.363	-.252
270	2109	-.066	.065	.278	-.233
270	2110	.104	.129	.662	-.239
270	2111	.106	.121	.544	-.215
270	2112	.086	.123	.550	-.238
270	2113	.049	.120	.484	-.271
270	2114	-.031	.107	.352	-.293
270	2115	-.176	.046	-.009	-.352
270	2116	.060	.098	.356	-.257
270	3001	.339	.175	.806	-.447
270	3002	.365	.178	.905	-.475
270	3003	.149	.181	.689	-.684
270	3004	.122	.116	.561	-.366
270	3005	.124	.100	.540	-.295
270	3006	.120	.090	.434	-.280
270	3007	.081	.084	.385	-.284
270	3008	.039	.073	.322	-.294
270	3009	-.053	.067	.198	-.328
270	3010	-.304	.069	-.088	-.654
270	3011	.484	.186	1.030	-.288
270	3012	.511	.191	1.258	-.215
270	3013	.329	.212	.888	-1.039
270	3014	.324	.153	.759	-.873
270	3015	.273	.126	.681	-.370
270	3016	.259	.113	.643	-.269
270	3017	.215	.115	.579	-.286
270	3018	.147	.100	.456	-.256
270	3019	-.032	.083	.251	-.403
270	3020	-.317	.071	-.068	-.636
270	3021	.516	.176	1.048	-.177
270	3022	.449	.188	1.099	-.163
270	3023	.186	.210	.798	-.678
270	3024	.214	.135	.737	-.375
270	3025	.185	.119	.628	-.134
270	3026	.206	.120	.659	-.216
270	3027	.198	.110	.579	-.131
270	3028	.125	.093	.434	-.191
270	3029	-.062	.077	.187	-.370
270	3030	-.353	.076	-.086	-.760
270	3031	.364	.200	1.037	-.208
270	3032	.137	.164	.803	-.308
270	3033	-.169	.205	.411	-1.054
270	3034	-.013	.084	.307	-.406
270	3035	.026	.079	.353	-.251
270	3036	.098	.099	.487	-.236
270	3037	.132	.102	.488	-.160
270	3038	.081	.086	.403	-.199
270	3039	-.095	.076	.183	-.377
270	3040	-.367	.085	-.086	-.819
270	3041	-.022	.210	.638	-.601
270	3042	-.226	.100	.201	-.602
270	3043	-.515	.190	.066	-1.202
270	3044	-.260	.098	.083	-.702
270	3045	-.153	.058	.071	-.366
270	3046	-.081	.062	.253	-.289
270	3047	-.039	.073	.251	-.240
270	3048	-.040	.078	.213	-.265
270	3049	-.159	.087	.156	-.480
270	3050	-.420	.109	-.035	-.899
270	3051	-.285	.170	.449	-.924
270	3052	-.272	.071	-.005	-.574
270	3053	-.368	.140	-.063	-1.189
270	3054	-.303	.098	-.064	-.691
270	3055	-.221	.059	-.051	-.489
270	3056	-.203	.059	.007	-.454
270	3057	-.196	.061	.044	-.468
270	3058	-.178	.063	.072	-.399
270	3059	-.223	.095	.112	-.584
270	3060	-.436	.140	.018	-1.033
270	3061	-.295	.137	.314	-.920
270	3062	-.260	.065	-.028	-.595
270	3063	-.274	.097	-.072	-1.045
270	3064	-.255	.076	-.075	-.811
270	3065	-.219	.056	.051	-.694
270	3066	-.214	.067	.022	-.564
270	3067	-.212	.065	.035	-.457
270	3068	-.189	.062	.035	-.419
270	3069	-.201	.092	.165	-.509
270	3070	-.324	.147	.145	-.855
270	3071	-.253	.107	.262	-.737
270	3072	-.237	.059	-.005	-.585
270	3073	-.254	.075	-.074	-.794
270	3074	-.244	.062	-.092	-.627
270	3075	-.228	.062	-.037	-.564
270	3076	-.224	.068	.000	-.645
270	3077	-.225	.068	-.007	-.595
270	3078	-.225	.074	.053	-.640
270	3079	-.223	.088	.137	-.628
270	3080	-.281	.110	.139	-.617
270	3081	-.232	.075	.121	-.778
270	3082	-.269	.104	.194	-.663
270	3083	-.204	.060	-.030	-.638
270	3084	-.228	.056	-.017	-.658
270	3085	-.217	.054	-.040	-.513
270	3086	-.248	.087	.049	-.578
270	3087	-.302	.109	.243	-.691
270	3088	-.277	.103	.171	-.596
270	3089	-.222	.068	-.063	-.671
270	3090	-.234	.067	-.059	-.677
270	3091	-.220	.047	-.051	-.548
270	3092	-.218	.068	-.007	-.645
270	3093	-.217	.079	.068	-.601
270	3094	-.236	.099	.133	-.734
270	3095	-.224	.133	.335	-.896
270	3096	-.248	.141	.333	-.657
270	3097	-.229	.079	-.042	-.759
270	3098	-.243	.081	-.043	-.855
270	3099	-.221	.050	.002	-.590
270	3100	-.205	.057	.016	-.585
270	3101	-.191	.067	.091	-.531
270	3102	-.184	.079	.099	-.661
270	3103	-.169	.102	.187	-.742
270	3104	-.203	.119	.319	-.907
270	3105	-.240	.123	-.014	-.903
270	3106	-.240	.113	-.019	-.850
270	3107	-.193	.056	-.012	-.456
270	3108	-.182	.055	.016	-.481
270	3109	-.173	.058	.033	-.589
270	3110	-.160	.064	.133	-.516
270	3111	-.133	.089	.232	-.672
270	3112	-.148	.105	.245	-.657
270	3113	-.222	.155	.026	-1.169
270	3114	-.180	.101	.014	-.741
270	3115	-.167	.050	-.005	-.426

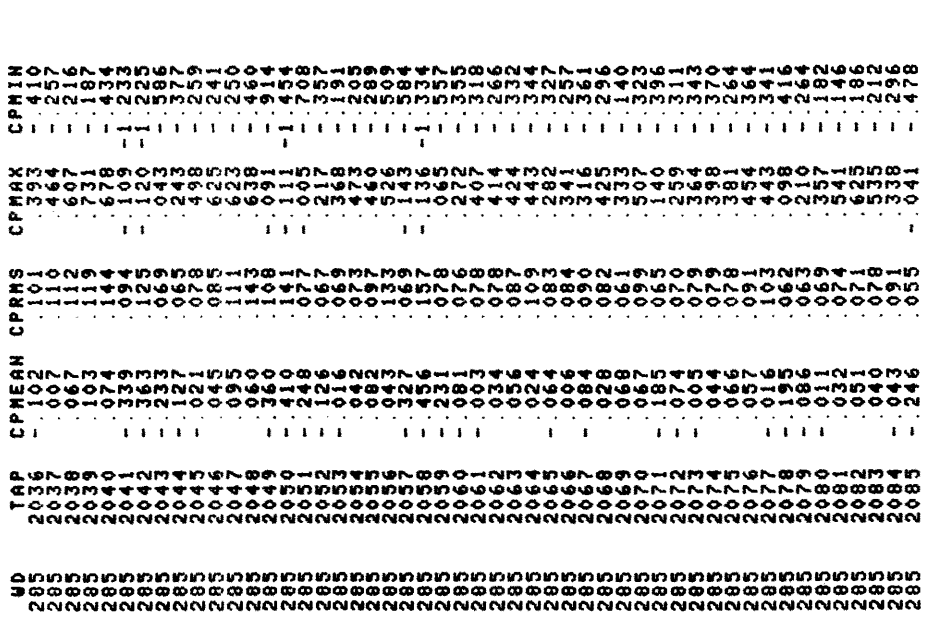
APPENDIX A -- PRESSURE DATA: ENERGY CENTER II -- DENVER , COLORADO

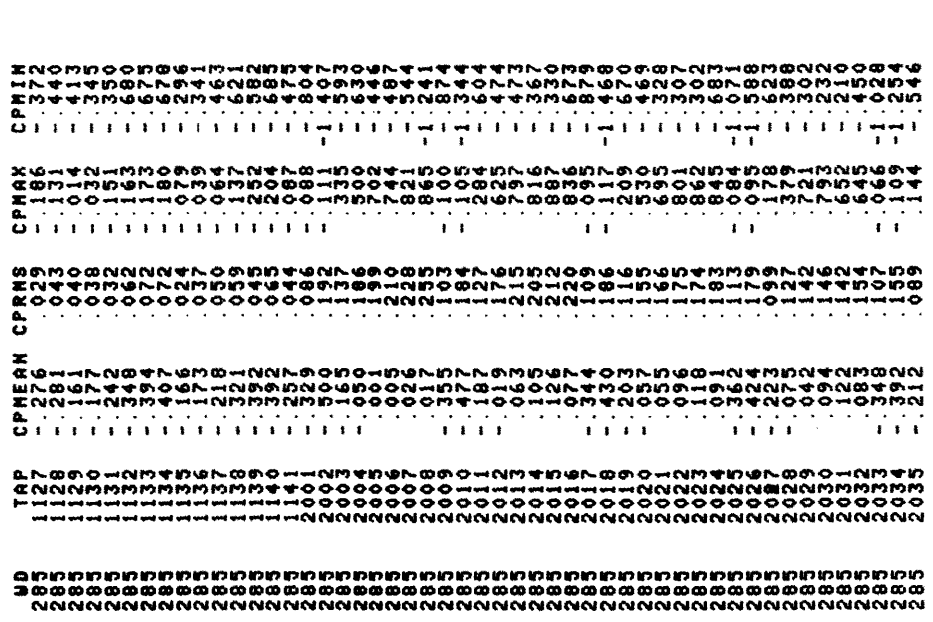
WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
270	3116	-.153	.049	.125	-.412
270	3117	-.127	.061	.249	-.361
270	3118	-.106	.075	.256	-.450
270	3119	-.126	.077	.124	-.566
270	3120	-.138	.088	.116	-.525
270	3122	.010	.068	.201	-.203
270	3123	.008	.077	.325	-.392
270	3124	.109	.119	.707	-.257
270	3125	-.215	.137	.011	-1.077
270	3126	-.196	.083	-.077	-.594
270	3127	-.172	.055	.042	-.439
270	3128	-.145	.047	.186	-.347
270	3129	-.175	.042	.032	-.358
270	3130	-.136	.047	.104	-.234
270	3131	-.111	.071	.291	-.316
270	3132	-.126	.070	.390	-.361
270	3133	-.181	.055	-.011	-.487
270	3134	-.098	.067	.166	-.388
270	3135	-.150	.099	.360	-.630
270	3136	-.175	.070	.094	-.586
270	3137	-.112	.065	.129	-.487
270	3138	-.111	.039	.004	-.241
270	3139	-.125	.086	.217	-.464
270	3140	-.174	.077	.021	-.914
270	3141	-.183	.066	-.044	-.623
270	3142	-.171	.024	-.106	-.274
270	3143	-.176	.041	.051	-.312
270	3144	-.186	.087	-.014	-.804
270	3145	-.189	.075	-.025	-.827
270	3146	-.157	.026	-.082	-.269
270	3147	-.178	.041	.000	-.353
270	3148	-.172	.039	-.044	-.347
270	3149	-.196	.046	-.053	-.402
270	3150	-.172	.050	-.022	-.357
270	4001	-.630	.139	-.286	-1.544
270	4002	-.559	.092	-.292	-.968
270	4003	-.538	.097	-.290	-.932
270	4004	-.522	.087	-.284	-.837
270	4005	-.531	.092	-.305	-.959
270	4006	-.565	.100	-.284	-1.000
270	4007	-.579	.104	-.300	-1.081
270	4008	-.612	.137	-.271	-1.358
270	4009	-.548	.105	-.245	-1.311
270	4010	-.556	.098	-.282	-1.318
270	4011	-.538	.094	-.300	-1.140
270	4012	-.536	.092	-.232	-.967
270	4013	-.539	.091	-.160	-1.142
270	4014	-.543	.086	-.249	-.962
270	4015	-.592	.107	-.251	-1.161
270	4016	-.615	.129	-.266	-1.210
270	4017	-.562	.115	-.231	-1.460
270	4018	-.589	.104	-.242	-1.210
270	4019	-.556	.097	-.236	-1.135
270	4020	-.549	.101	-.243	-1.254
270	4021	-.563	.100	-.147	-1.150
270	4022	-.582	.100	-.211	-1.097
270	4023	-.592	.109	-.194	-1.130
270	4024	-.644	.144	-.232	-1.293
270	4025	-.590	.114	-.333	-1.451
270	4026	-.608	.106	-.302	-1.234
270	4027	-.591	.101	-.317	-1.139
270	4028	-.564	.106	-.251	-1.164
270	4029	-.583	.126	-.149	-1.150
270	4030	-.591	.125	-.178	-1.129
270	4031	-.598	.116	-.219	-1.006
270	4032	-.607	.152	-.203	-1.325
270	4033	-.722	.186	-.218	-1.690
270	4034	-.700	.161	-.147	-1.494
270	4035	-.677	.155	-.271	-1.414
270	4036	-.649	.163	-.179	-1.495
270	4037	-.641	.167	-.195	-1.559
270	4038	-.609	.155	-.175	-1.297
270	4039	-.564	.136	-.170	-1.129
270	4040	-.545	.159	-.154	-1.204
270	4041	-.839	.225	-.094	-1.920
270	4042	-.681	.207	-.168	-1.648
270	4043	-.805	.195	-.310	-1.841
270	4044	-.698	.194	-.271	-1.757
270	4045	-.598	.208	-.129	-1.504
270	4046	-.527	.169	-.042	-1.141
270	4047	-.473	.118	-.049	-.973
270	4048	-.439	.095	-.168	-.961
270	4049	-.561	.231	.071	-1.382
270	4050	-.456	.159	.047	-1.103
270	4051	-.650	.161	-.198	-1.321
270	4052	-.451	.142	-.139	-1.078
270	4053	-.357	.110	-.147	-1.150
270	4054	-.361	.086	-.178	-.916
270	4055	-.405	.065	-.215	-.782
270	4056	-.445	.079	-.225	-.752
270	4057	-.393	.151	.140	-.909
270	4058	-.355	.105	.044	-.713
270	4059	-.464	.107	-.124	-.863
270	4060	-.345	.086	-.095	-.734
270	4061	-.302	.070	-.122	-.799
270	4062	-.307	.061	-.138	-.781
270	4063	-.349	.050	-.177	-.609
270	4064	-.413	.066	-.185	-.701
270	4065	-.339	.103	.007	-.746
270	4066	-.393	.099	-.086	-.858
270	4067	-.315	.109	.065	-.754
270	4068	-.278	.088	-.033	-.646
270	4069	-.368	.072	-.139	-.654
270	4070	-.261	.074	.016	-.570
270	4071	-.418	.131	.130	-.904
270	4072	-.353	.121	-.011	-.796
270	4073	-.280	.084	-.037	-.693
270	4074	-.269	.076	-.019	-.727
270	4075	-.296	.058	-.075	-.572
270	4076	-.295	.054	-.104	-.542
270	4077	-.349	.063	-.096	-.730
270	4078	-.388	.148	.047	-1.440
270	4079	-.345	.115	-.047	-.912
270	4080	-.255	.076	-.055	-.675
270	4081	-.234	.060	-.037	-.553
270	4082	-.252	.053	-.077	-.472
270	4083	-.294	.055	-.091	-.481
270	4084	-.323	.083	-.044	-.679
270	4085	-.291	.133	.028	-1.318
270	4086	-.256	.103	-.016	-.739
270	4087	-.234	.065	-.049	-.518
270	4088	-.193	.050	-.042	-.461
270	4089	-.190	.043	-.053	-.418
270	4090	-.199	.047	-.012	-.365
270	4091	-.217	.059	-.009	-.464
270	4092	-.238	.103	.040	-.933
270	4093	-.212	.082	.041	-.719
270	4094	-.195	.057	-.026	-.587
270	4095	-.194	.046	-.016	-.443
270	4096	-.160	.042	.044	-.403
270	4097	-.155	.045	-.025	-.349
270	4098	-.164	.053	-.016	-.369
270	4099	-.142	.071	.168	-.448
270	4100	-.155	.070	.170	-.610
270	4101	-.151	.071	.109	-.672
270	4102	-.129	.095	.210	-.729
270	4103	-.122	.057	.130	-.356
270	4104	-.119	.072	.220	-.319
270	4105	-.085	.076	.438	-.251
270	4106	-.098	.071	.264	-.307
270	4107	-.226	.088	.085	-.699
270	4108	-.208	.072	-.014	-.614
270	4109	-.182	.053	.019	-.513
270	4110	-.179	.045	-.024	-.359
270	4111	-.161	.043	-.007	-.352
270	4112	-.163	.040	-.031	-.383
270	4113	-.154	.041	-.014	-.322
270	4114	-.181	.058	.007	-.512
270	4115	-.141	.034	.004	-.253
270	5001	-.424	.093	-.134	-.841

APPENDIX A -- PRESSURE DATA: EMERGY CENTER II -- DENVER , COLORADO

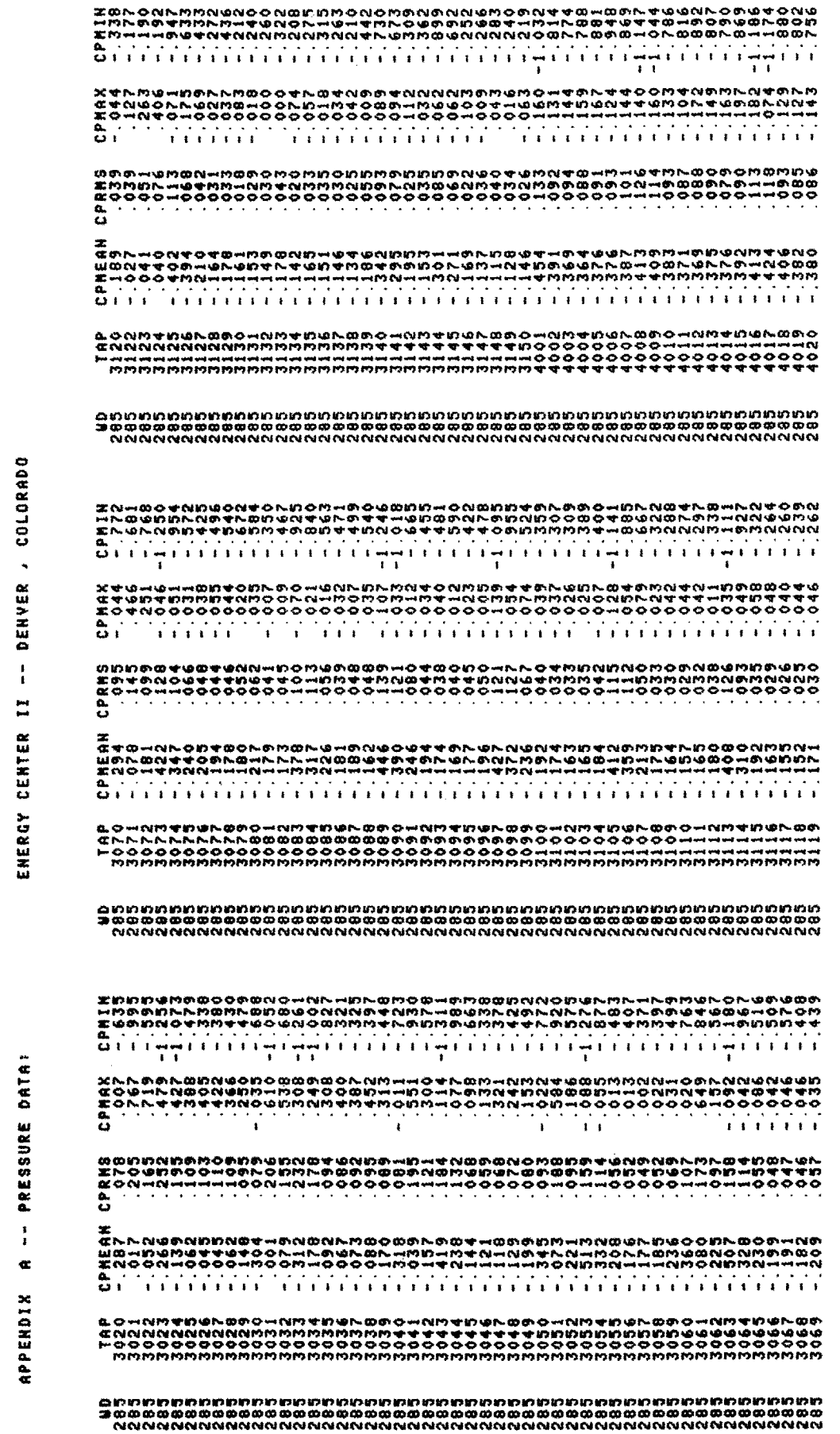
WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
270	5002	-1.329	.269	-.214	-2.191
270	5003	-.578	.104	-.196	-1.005
270	5004	-.611	.114	-.244	-1.062
270	5005	-.634	.197	.123	-1.182
270	5006	-.242	.172	.164	-1.030
270	5007	-.012	.132	.339	-.891
270	5008	-.692	.134	-.315	-1.228
270	5009	-.485	.079	-.227	-.754
270	5010	-.464	.064	-.242	-.684
270	5011	-.077	.114	.394	-.575
270	5012	-.470	.092	-.072	-.846
270	5013	-.494	.067	-.298	-.798
270	5014	-.824	.152	-.310	-1.253
270	5015	-1.028	.253	-.288	-1.819
270	5016	-.426	.147	-.040	-1.029
270	5017	-.380	.100	-.028	-.741
270	5018	-.325	.087	.062	-.812
270	5100	-.191	.046	-.028	-.381
270	5101	-.175	.036	-.050	-.303
270	5102	-.258	.065	-.048	-.507
270	5103	-.034	.113	.361	-.574
270	5104	-.046	.079	.226	-.398
270	5105	-.061	.071	.193	-.310
270	5106	-.308	.047	-.191	-.509
285	1001	-.388	.112	-.088	-.992
285	1002	-.441	.153	-.147	-1.241
285	1003	-.344	.109	-.045	-1.036
285	1004	-.321	.098	-.013	-.899
285	1005	-.303	.108	-.022	-1.176
285	1006	-.310	.114	-.028	-1.085
285	1007	-.314	.104	-.026	-.927
285	1008	-.330	.094	-.030	-.884
285	1009	-.327	.098	-.050	-1.109
285	1010	-.338	.097	-.070	-.882
285	1011	-.385	.096	-.119	-.849
285	1012	-.420	.123	-.093	-1.144
285	1013	-.339	.097	-.066	-.786
285	1014	-.362	.092	-.052	-.790
285	1015	-.296	.089	-.007	-.863
285	1016	-.301	.083	-.026	-.882
285	1017	-.306	.077	-.081	-.833
285	1018	-.322	.080	-.083	-.712
285	1019	-.316	.088	-.041	-.741
285	1020	-.323	.087	-.076	-.717
285	1021	-.363	.083	-.137	-.758
285	1022	-.369	.095	-.136	-.817
285	1023	-.328	.070	-.133	-.664
285	1024	-.319	.067	-.135	-.673
285	1025	-.299	.070	-.089	-.773
285	1026	-.305	.068	-.094	-.708
285	1027	-.315	.071	-.058	-.814
285	1028	-.330	.082	-.072	-.738
285	1029	-.323	.089	-.039	-.841
285	1030	-.328	.090	-.057	-.850
285	1031	-.357	.081	-.149	-.646
285	1032	-.370	.089	-.138	-.756
285	1033	-.322	.071	-.133	-.702
285	1034	-.316	.063	-.146	-.668
285	1035	-.298	.056	-.120	-.588
285	1036	-.307	.058	-.159	-.636
285	1037	-.314	.068	-.148	-.674
285	1038	-.323	.079	-.135	-.801
285	1039	-.314	.088	-.065	-.861
285	1040	-.318	.087	-.105	-.878
285	1041	-.355	.084	-.130	-.709
285	1042	-.356	.092	-.136	-.833
285	1043	-.320	.069	-.126	-.636
285	1044	-.315	.058	-.152	-.583
285	1045	-.292	.048	-.139	-.490
285	1046	-.299	.051	-.137	-.512
285	1047	-.311	.067	-.060	-.760
285	1048	-.327	.085	-.052	-.904
285	1049	-.315	.095	.039	-1.065
285	1050	-.318	.095	.017	-1.015
285	1051	-.354	.089	-.065	-.816
285	1052	-.357	.083	-.086	-.722
285	1053	-.327	.079	-.111	-.749
285	1054	-.325	.074	-.137	-.825
285	1055	-.289	.048	-.105	-.505
285	1056	-.296	.052	-.098	-.586
285	1057	-.313	.070	-.113	-.659
285	1058	-.326	.086	-.098	-.893
285	1059	-.312	.091	-.057	-1.011
285	1060	-.313	.088	-.063	-.775
285	1061	-.335	.107	-.035	-.827
285	1062	-.312	.087	-.002	-.698
285	1063	-.312	.084	-.079	-.713
285	1064	-.302	.066	-.085	-.655
285	1065	-.282	.047	-.129	-.499
285	1066	-.297	.053	-.115	-.597
285	1067	-.309	.067	-.107	-.756
285	1068	-.330	.085	-.074	-1.204
285	1069	-.332	.095	-.100	-1.098
285	1070	-.336	.097	-.124	-1.067
285	1071	-.308	.083	-.093	-.772
285	1072	-.323	.080	-.100	-.709
285	1073	-.320	.082	-.118	-.649
285	1074	-.357	.093	-.124	-.808
285	1075	-.363	.095	-.126	-.830
285	1076	-.354	.085	-.126	-.967
285	1077	-.329	.072	-.047	-.614
285	1078	-.332	.075	-.124	-.766
285	1079	-.323	.075	-.129	-.763
285	1080	-.319	.072	-.122	-.673
285	1081	-.303	.064	-.076	-.538
285	1082	-.313	.068	-.126	-.621
285	1083	-.216	.056	.005	-.502
285	1084	-.210	.056	.021	-.442
285	1085	-.248	.044	-.079	-.474
285	1086	-.340	.065	-.113	-.616
285	1087	-.311	.067	-.101	-.636
285	1088	-.310	.065	-.098	-.655
285	1089	-.235	.053	-.044	-.470
285	1090	-.239	.053	-.059	-.466
285	1091	-.244	.039	-.072	-.416
285	1092	-.310	.048	-.136	-.496
285	1093	-.323	.055	-.114	-.681
285	1094	-.333	.064	-.145	-.651
285	1095	-.319	.060	-.149	-.658
285	1096	-.325	.059	-.125	-.670
285	1097	-.234	.066	-.072	-.628
285	1098	-.229	.060	-.044	-.634
285	1099	-.264	.045	-.081	-.432
285	1100	-.339	.055	-.149	-.630
285	1101	-.356	.067	-.132	-.807
285	1102	-.358	.069	-.169	-.721
285	1103	-.338	.056	-.181	-.572
285	1104	-.346	.056	-.177	-.559
285	1105	-.176	.044	-.046	-.418
285	1106	-.179	.041	-.026	-.358
285	1107	-.227	.045	-.065	-.421
285	1108	-.316	.057	-.113	-.539
285	1109	-.366	.068	-.146	-.658
285	1110	-.396	.077	-.162	-.892
285	1111	-.261	.008	.291	-.225
285	1112	-.009	.014	.025	-.043
285	1113	-.153	.039	-.030	-.323
285	1114	-.155	.037	-.047	-.297
285	1115	-.188	.039	-.051	-.377
285	1116	-.267	.047	-.059	-.496
285	1117	-.330	.058	-.165	-.560
285	1118	-.367	.057	-.213	-.632
285	1119	-.384	.071	-.200	-.725
285	1120	-.398	.079	-.222	-1.173
285	1121	-.155	.037	.021	-.356
285	1122	-.168	.037	-.021	-.361
285	1123	-.171	.024	-.072	-.271
285	1124	-.227	.043	-.092	-.444
285	1125	-.345	.052	-.196	-.600
285	1126	-.415	.081	-.192	-.737







APPENDIX A -- PRESSURE DATA: ENERGY CENTER II -- DENVER , COLORADO

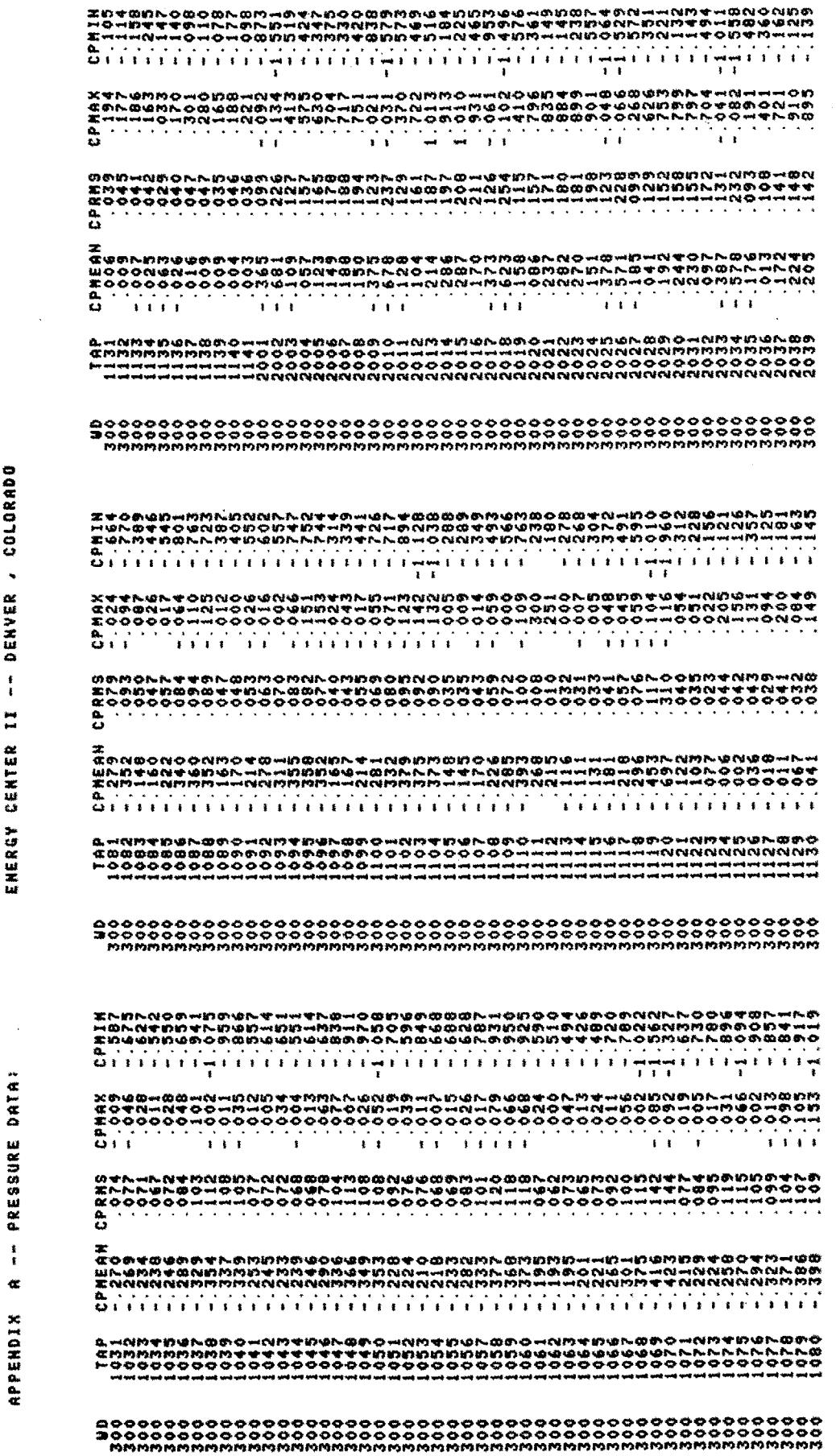

APPENDIX A -- PRESSURE DATA:
ENERGY CENTER II -- DENVER , COLORADO
CPMIN
CPMAX
CPMEAN
CPRMS
TAP
WD

APPENDIX A -- PRESSURE DATA: ENERGY CENTER II -- DENVER , COLORADO

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
285	4021	-.390	.090	-.139	-.825
285	4022	-.388	.089	-.140	-.824
285	4023	-.386	.089	-.155	-.774
285	4024	-.412	.109	-.115	-.864
285	4025	-.441	.115	-.175	-1.230
285	4026	-.438	.098	-.153	-1.039
285	4027	-.425	.091	-.164	-.959
285	4028	-.397	.090	-.157	-.872
285	4029	-.412	.095	-.159	-.814
285	4030	-.425	.095	-.192	-.857
285	4031	-.426	.092	-.159	-.759
285	4032	-.419	.112	-.133	-.989
285	4033	-.485	.137	-.164	-1.282
285	4034	-.465	.116	-.178	-1.174
285	4035	-.451	.109	-.203	-1.054
285	4036	-.424	.110	-.146	-1.094
285	4037	-.436	.118	-.136	-.993
285	4038	-.426	.110	-.116	-.914
285	4039	-.407	.097	-.141	-.798
285	4040	-.387	.107	-.140	-.965
285	4041	-.527	.173	-.132	-1.439
285	4042	-.486	.154	-.164	-1.396
285	4043	-.501	.154	-.166	-1.344
285	4044	-.458	.148	-.166	-1.302
285	4045	-.436	.151	-.107	-1.139
285	4046	-.404	.128	-.051	-1.042
285	4047	-.379	.104	-.106	-.848
285	4048	-.355	.094	-.092	-.756
285	4049	-.428	.162	-.014	-1.439
285	4050	-.392	.140	-.049	-1.218
285	4051	-.417	.140	-.138	-1.250
285	4052	-.356	.133	-.070	-1.131
285	4053	-.281	.093	-.002	-1.080
285	4054	-.275	.077	-.012	-.759
285	4055	-.289	.069	-.053	-.733
285	4056	-.299	.075	-.083	-.614
285	4057	-.283	.096	-.057	-.761
285	4058	-.260	.072	-.032	-.678
285	4059	-.286	.078	-.048	-.673
285	4060	-.257	.081	-.044	-.660
285	4061	-.238	.075	.014	-.773
285	4062	-.254	.078	.000	-.905
285	4063	-.272	.077	.000	-.689
285	4064	-.268	.072	-.061	-.666
285	4065	-.195	.053	-.023	-.443
285	4066	-.227	.054	-.067	-.465
285	4067	-.227	.058	.000	-.514
285	4068	-.188	.047	-.015	-.411
285	4069	-.207	.046	-.075	-.438
285	4070	-.187	.047	.005	-.451

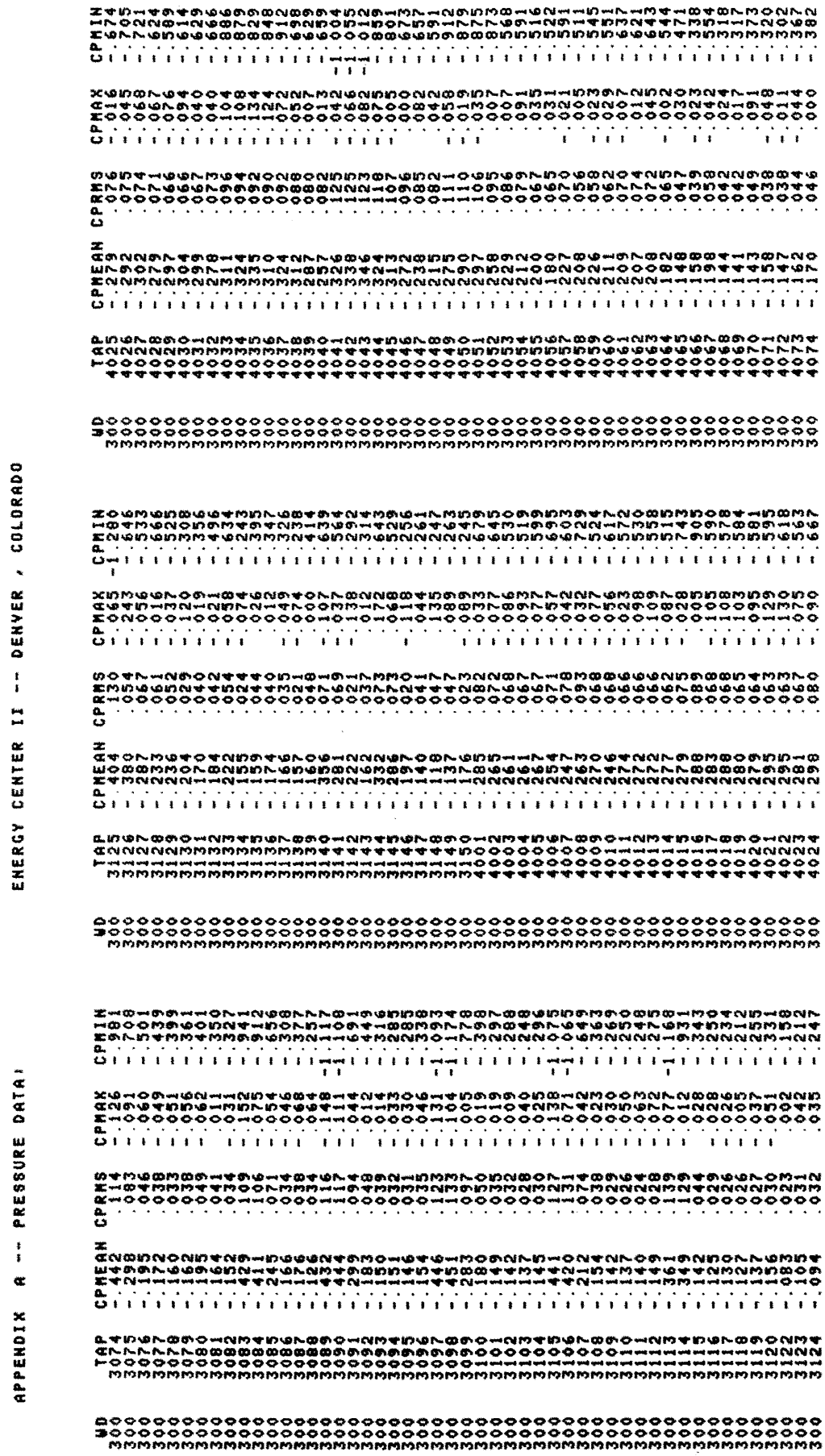
WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
285	4071	-.235	.065	-.007	-.673
285	4072	-.218	.058	-.022	-.518
285	4073	-.212	.048	-.057	-.432
285	4074	-.217	.043	-.030	-.424
285	4075	-.214	.041	-.081	-.738
285	4076	-.192	.038	-.042	-.354
285	4077	-.203	.042	-.073	-.393
285	4078	-.234	.065	-.002	-.780
285	4079	-.236	.059	-.028	-.636
285	4080	-.200	.050	-.004	-.437
285	4081	-.196	.047	-.000	-.484
285	4082	-.201	.041	-.049	-.449
285	4083	-.203	.037	-.058	-.424
285	4084	-.189	.040	-.037	-.356
285	4085	-.213	.054	-.002	-.455
285	4086	-.226	.055	-.037	-.509
285	4087	-.215	.049	-.035	-.470
285	4088	-.174	.041	-.017	-.341
285	4089	-.167	.037	-.007	-.311
285	4090	-.173	.035	-.021	-.331
285	4091	-.178	.035	-.023	-.348
285	4092	-.217	.075	-.028	-.725
285	4093	-.200	.060	-.011	-.539
285	4094	-.190	.043	-.016	-.370
285	4095	-.181	.036	-.021	-.376
285	4096	-.149	.031	-.035	-.308
285	4097	-.144	.035	-.011	-.318
285	4098	-.158	.038	-.019	-.313
285	4099	-.147	.052	.002	-.392
285	4100	-.171	.046	.007	-.370
285	4101	-.159	.036	-.014	-.304
285	4102	-.155	.033	-.026	-.284
285	4103	-.138	.033	.022	-.254
285	4104	-.153	.036	.012	-.278
285	4105	-.152	.035	.049	-.257
285	4106	-.160	.032	.014	-.263
285	4107	-.204	.067	.038	-.546
285	4108	-.212	.062	-.033	-.521
285	4109	-.192	.053	-.019	-.426
285	4110	-.189	.048	-.038	-.432
285	4111	-.158	.038	-.029	-.312
285	4112	-.159	.037	.002	-.349
285	4113	-.152	.037	.002	-.313
285	4114	-.168	.028	-.056	-.263
285	4115	-.144	.026	-.056	-.245
285	5001	-.260	.116	.095	-.995
285	5002	-.600	.209	.105	-1.563
285	5003	-.293	.105	-.031	-.949
285	5004	-.365	.087	-.161	-.940
285	5005	-.243	.153	.253	-.943

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
285	5006	-.178	.160	.310	-.767
285	5007	-.400	.215	.298	-1.228
285	5008	-.377	.087	-.124	-.896
285	5009	-.301	.061	-.129	-.632
285	5010	-.281	.069	-.048	-.597
285	5011	-.186	.237	.553	-.919
285	5012	-.279	.072	-.066	-.612
285	5013	-.320	.065	-.026	-.559
285	5014	-.390	.106	-.024	-.875
285	5015	-.412	.126	-.107	-1.052
285	5016	-.454	.137	.057	-1.000
285	5017	-.192	.093	.136	-.569
285	5018	-.321	.128	.020	-1.085
285	5100	-.136	.035	.002	-.236
285	5101	-.136	.033	-.013	-.246
285	5102	-.164	.046	.000	-.362
285	5103	.014	.065	.280	-.169
285	5104	-.031	.046	.196	-.170
285	5105	-.038	.039	.118	-.163
285	5106	-.240	.038	-.116	-.398
300	1001	-.263	.102	-.028	-.814
300	1002	-.230	.065	-.070	-.533
300	1003	-.241	.110	.077	-.720
300	1004	-.245	.114	.070	-.743
300	1005	-.263	.130	.162	-1.037
300	1006	-.308	.143	.131	-1.152
300	1007	-.354	.148	.092	-1.087
300	1008	-.408	.135	.033	-1.011
300	1009	-.396	.118	-.041	-1.260
300	1010	-.401	.110	-.098	-.890
300	1011	-.275	.089	-.050	-.802
300	1012	-.286	.103	-.043	-.869
300	1013	-.239	.096	.017	-.776
300	1014	-.239	.097	.011	-.749
300	1015	-.249	.103	.109	-.902
300	1016	-.287	.106	.127	-.949
300	1017	-.340	.122	.084	-.890
300	1018	-.380	.120	.000	-.957
300	1019	-.360	.107	-.057	-.854
300	1020	-.362	.106	-.089	-.842
300	1021	-.270	.073	-.045	-.727
300	1022	-.268	.081	-.026	-.782
300	1023	-.236	.084	.058	-.765
300	1024	-.239	.082	.079	-.747
300	1025	-.247	.087	.164	-.863
300	1026	-.291	.095	.002	-.762
300	1027	-.331	.108	.071	-.741
300	1028	-.360	.119	.035	-1.158
300	1029	-.340	.103	-.024	-.909
300	1030	-.343	.101	-.072	-.847

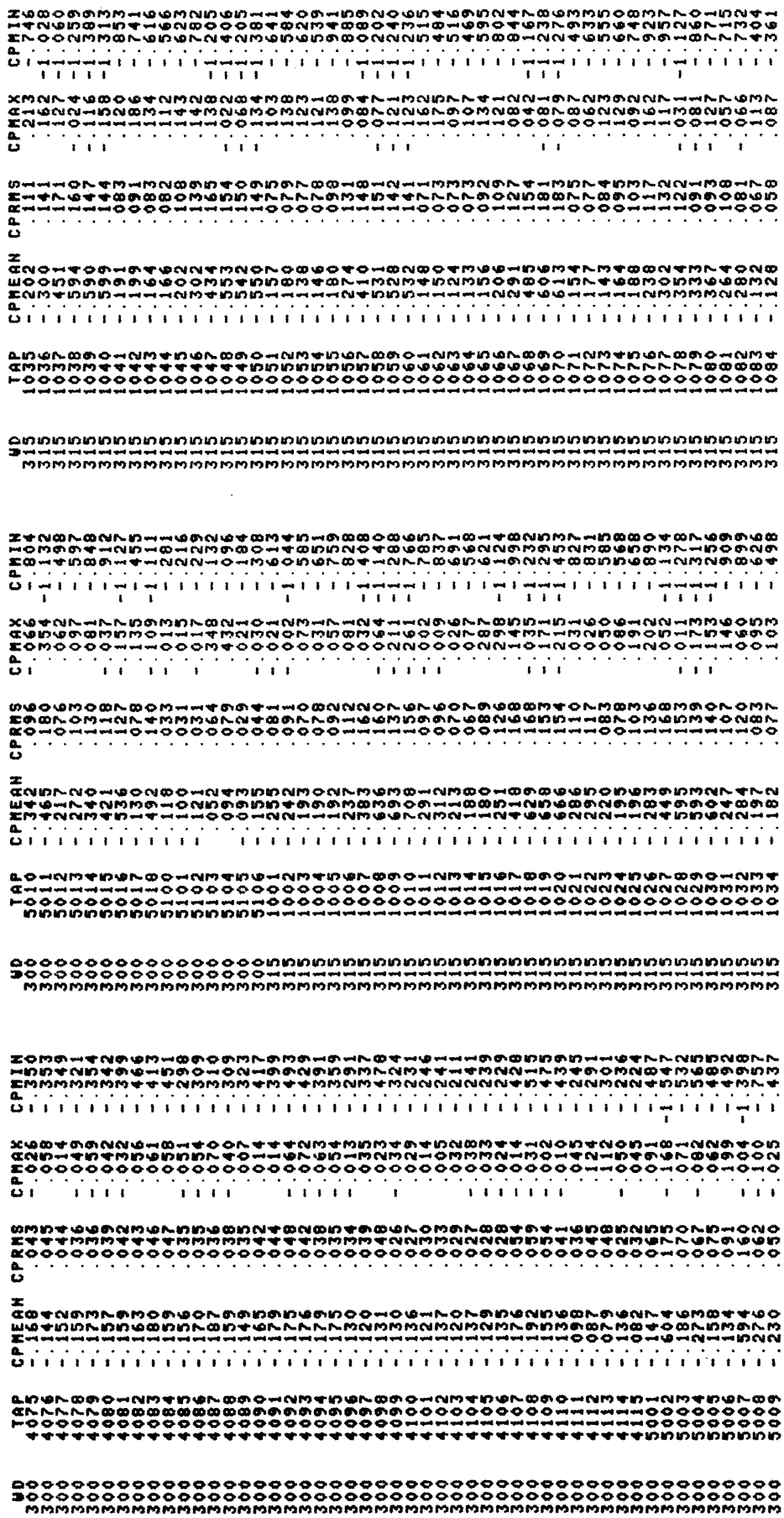

APPENDIX A -- PRESSURE DATA:
ENERGY CENTER II -- DENVER , COLORADO
CPMIN
CPMAX
CPRMS
CPMEAN
TAP
WD

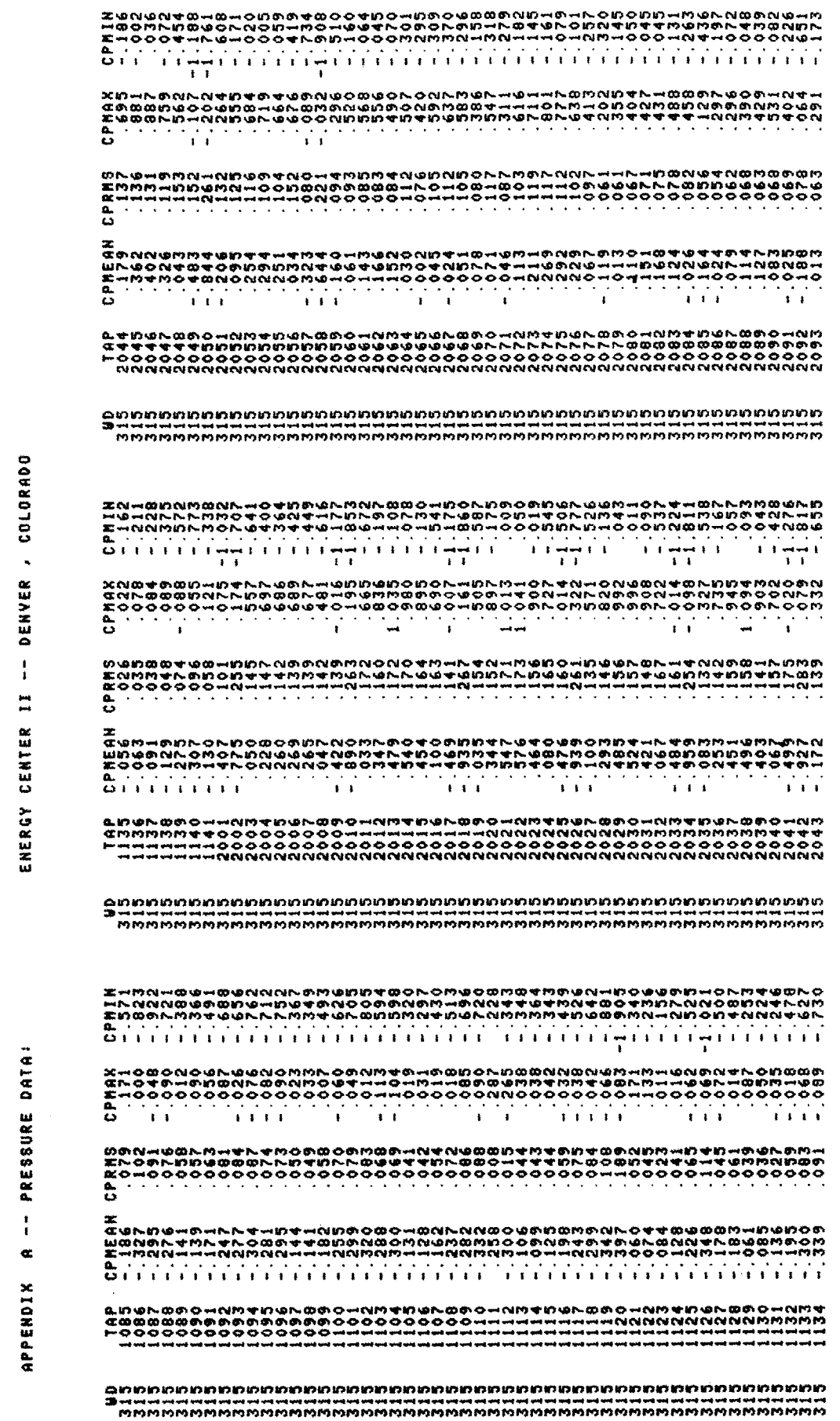
APPENDIX A -- PRESSURE DATA: ENERGY CENTER II -- DENVER , COLORADO

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
300	2040	.068	.155	.613	-.386
300	2041	-.411	.135	-.062	-1.007
300	2042	-.616	.217	-.078	-1.346
300	2043	-.221	.106	.268	-.581
300	2044	-.005	.096	.404	-.267
300	2045	.134	.105	.548	-.132
300	2046	.178	.111	.605	-.103
300	2047	.157	.113	.670	-.161
300	2048	.030	.129	.540	-.366
300	2049	-.408	.126	-.071	-.979
300	2050	-.644	.212	-.032	-1.645
300	2051	-.219	.111	.334	-.581
300	2052	.003	.096	.419	-.247
300	2053	.137	.093	.582	-.087
300	2054	.174	.096	.669	-.071
300	2055	.153	.103	.668	-.139
300	2056	.024	.120	.529	-.375
300	2057	-.358	.090	-.110	-.849
300	2058	-.577	.211	.021	-1.558
300	2059	-.167	.104	.313	-.513
300	2060	.041	.091	.496	-.262
300	2061	.118	.095	.541	-.290
300	2062	.147	.100	.707	-.160
300	2063	.132	.105	.625	-.127
300	2064	.033	.113	.514	-.342
300	2065	.043	.078	.329	-.235
300	2066	.113	.095	.525	-.180
300	2067	.039	.093	.561	-.277
300	2068	.146	.103	.626	-.192
300	2069	-.077	.043	.094	-.230
300	2070	.141	.115	.641	-.183
300	2071	.097	.086	.549	-.188
300	2072	.035	.084	.412	-.203
300	2073	.137	.096	.575	-.103
300	2074	.182	.102	.657	-.052
300	2075	.192	.107	.593	-.057
300	2076	.140	.114	.633	-.126
300	2077	.005	.097	.438	-.310
300	2078	-.142	.077	.167	-.390
300	2079	.004	.072	.309	-.207
300	2080	.095	.079	.448	-.130
300	2081	.142	.086	.564	-.078
300	2082	.153	.092	.602	-.089
300	2083	.111	.095	.579	-.104
300	2084	-.014	.092	.485	-.320
300	2085	-.183	.070	.075	-.482
300	2086	-.036	.060	.258	-.205
300	2087	.054	.059	.327	-.091
300	2088	.079	.064	.337	-.077
300	2089	.085	.071	.402	-.107
300	2090	.042	.077	.497	-.153
300	2091	-.047	.075	.348	-.268
300	2092	-.266	.089	.000	-.695
300	2093	-.027	.062	.240	-.203
300	2094	.131	.079	.568	-.066
300	2095	.168	.087	.654	-.025
300	2096	.157	.087	.600	-.031
300	2097	.070	.074	.402	-.128
300	2098	-.047	.055	.192	-.269
300	2099	-.138	.078	.177	-.523
300	2100	-.125	.063	.222	-.446
300	2101	-.100	.049	.109	-.338
300	2102	-.119	.046	.033	-.403
300	2103	-.114	.047	.014	-.329
300	2104	-.123	.048	.012	-.353
300	2105	-.107	.049	.041	-.349
300	2106	-.108	.042	.033	-.368
300	2107	-.110	.047	.091	-.418
300	2108	-.118	.054	.160	-.400
300	2109	-.111	.058	.143	-.356
300	2110	-.085	.036	.074	-.231
300	2111	-.077	.033	.086	-.189
300	2112	-.085	.037	.114	-.224
300	2113	-.063	.043	.195	-.236
300	2114	-.064	.053	.303	-.236
300	2115	-.109	.043	.064	-.265
300	2116	-.084	.031	.079	-.195
300	3001	-.098	.260	.590	-1.262
300	3002	-.227	.150	.363	-.714
300	3003	-.698	.205	.026	-1.553
300	3004	-.406	.178	.047	-1.030
300	3005	-.211	.078	.049	-.724
300	3006	-.161	.057	.058	-.365
300	3007	-.156	.056	.044	-.344
300	3008	-.147	.054	.044	-.321
300	3009	-.157	.052	.013	-.345
300	3010	-.226	.059	-.060	-.492
300	3011	-.128	.293	.705	-1.322
300	3012	-.245	.145	.306	-.708
300	3013	-.665	.209	.040	-1.644
300	3014	-.458	.248	.109	-1.577
300	3015	-.198	.098	.094	-.726
300	3016	-.148	.056	.089	-.325
300	3017	-.142	.056	.071	-.322
300	3018	-.143	.053	.047	-.323
300	3019	-.177	.051	.000	-.381
300	3020	-.244	.061	-.049	-.534
300	3021	-.158	.278	.627	-1.304
300	3022	-.242	.137	.438	-.747
300	3023	-.636	.198	.033	-1.335
300	3024	-.471	.236	.062	-1.169
300	3025	-.219	.110	.078	-.918
300	3026	-.154	.054	.125	-.365
300	3027	-.145	.052	.141	-.340
300	3028	-.148	.049	.122	-.317
300	3029	-.184	.047	.018	-.385
300	3030	-.255	.056	-.089	-.478
300	3031	-.197	.266	.535	-1.224
300	3032	-.262	.125	.262	-.678
300	3033	-.640	.190	.046	-1.439
300	3034	-.458	.208	.142	-1.353
300	3035	-.217	.098	.165	-.847
300	3036	-.157	.049	.113	-.345
300	3037	-.153	.047	.066	-.302
300	3038	-.153	.045	.044	-.292
300	3039	-.188	.047	-.004	-.345
300	3040	-.258	.060	-.082	-.478
300	3041	-.210	.247	.590	-1.428
300	3042	-.278	.119	.229	-.731
300	3043	-.637	.177	-.163	-1.529
300	3044	-.451	.187	-.082	-1.216
300	3045	-.227	.081	-.004	-.737
300	3046	-.169	.040	-.004	-.378
300	3047	-.161	.041	.026	-.311
300	3048	-.160	.041	.029	-.317
300	3049	-.190	.049	.047	-.381
300	3050	-.266	.070	-.022	-.596
300	3051	-.235	.209	.502	-1.187
300	3052	-.302	.098	.113	-.796
300	3053	-.635	.167	-.218	-1.350
300	3054	-.466	.163	-.097	-1.196
300	3055	-.238	.067	-.085	-.615
300	3056	-.181	.038	-.029	-.352
300	3057	-.173	.036	-.020	-.300
300	3058	-.168	.035	-.029	-.279
300	3059	-.197	.048	-.011	-.425
300	3060	-.277	.081	-.056	-.701
300	3061	-.250	.193	.361	-.934
300	3062	-.298	.084	.064	-.575
300	3063	-.606	.164	-.181	-1.370
300	3064	-.451	.146	-.113	-1.176
300	3065	-.239	.057	-.082	-.626
300	3066	-.181	.036	-.073	-.412
300	3067	-.170	.034	-.040	-.313
300	3068	-.162	.034	-.027	-.310
300	3069	-.184	.045	-.002	-.385
300	3070	-.250	.079	-.065	-.627
300	3071	-.194	.157	.329	-.972
300	3072	-.255	.087	.116	-.588
300	3073	-.586	.157	-.154	-1.249


APPENDIX A -- PRESSURE DATA
ENERGY CENTER II -- DENVER , COLORADO
CPMIN
CPMAX
CPRMS
CPMEAN
TAP
WD

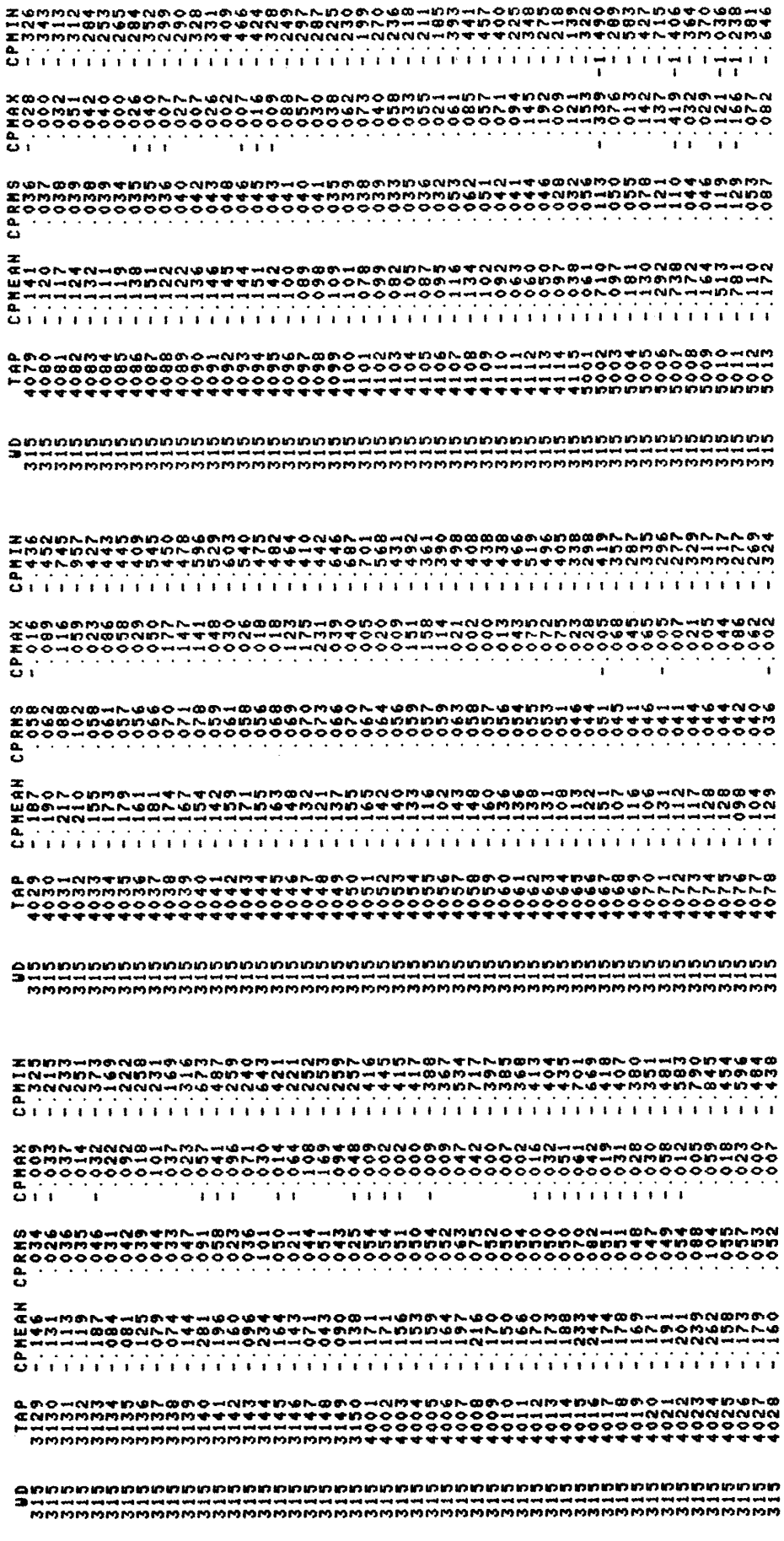
APPENDIX A -- PRESSURE DATA: ENERGY CENTER II -- DENVER , COLORADO

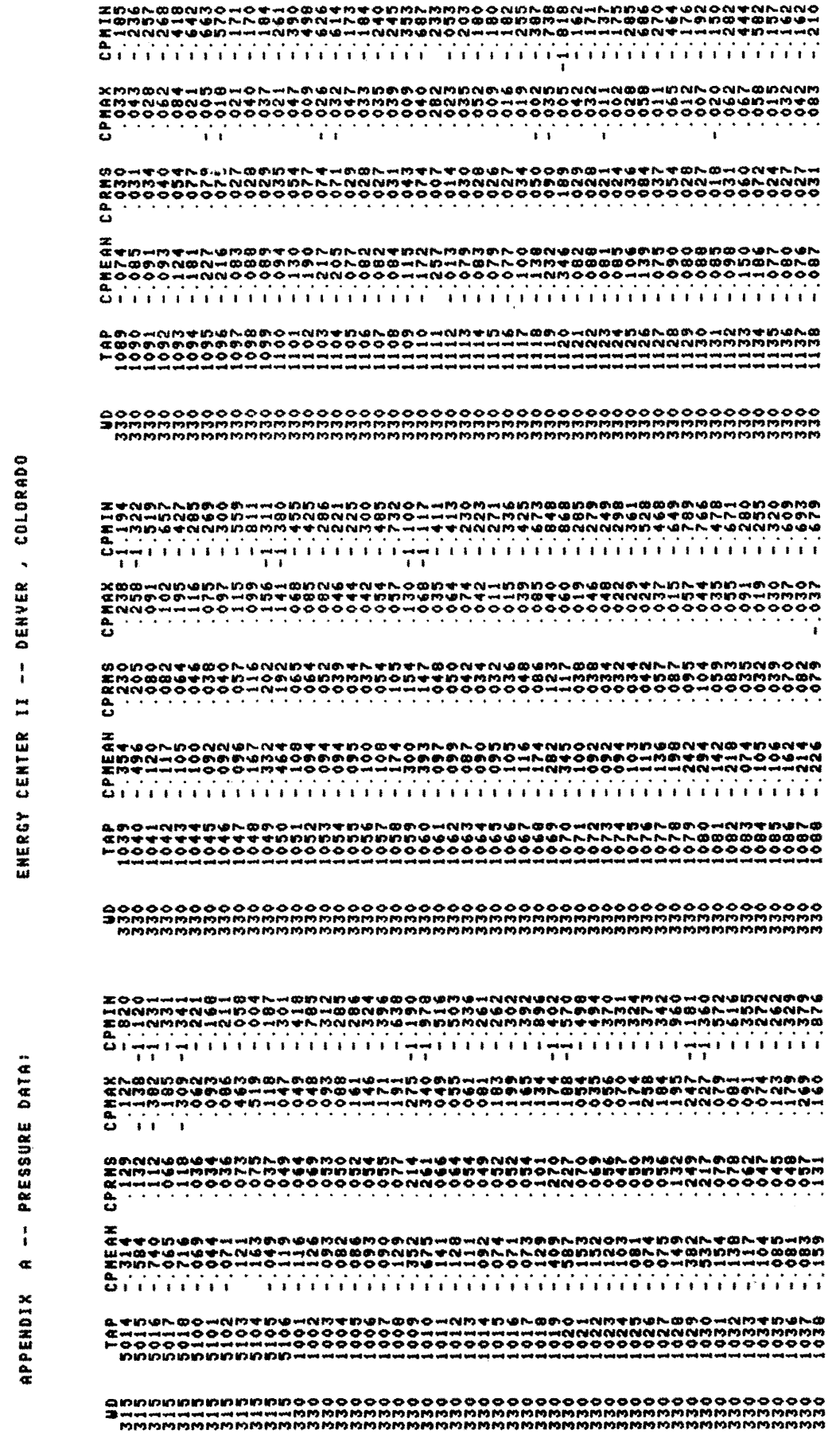



APPENDIX A -- PRESSURE DATA:
ENERGY CENTER II -- DENVER , COLORADO
CPMIN
CPMAX
CPRMS
CPMEAN
TAP
DATE

APPENDIX A -- PRESSURE DATA: ENERGY CENTER II -- DENVER , COLORADO

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
315	2094	.169	.084	.558	-.016
315	2095	.212	.091	.653	.002
315	2096	.204	.088	.579	-.009
315	2097	.131	.075	.486	-.050
315	2098	.004	.061	.320	-.213
315	2099	-.124	.058	.095	-.398
315	2100	-.101	.050	.062	-.346
315	2101	-.077	.051	.130	-.366
315	2102	-.094	.052	.073	-.334
315	2103	-.083	.060	.090	-.410
315	2104	-.073	.055	.152	-.376
315	2105	-.052	.059	.184	-.375
315	2106	-.064	.049	.182	-.275
315	2107	-.088	.062	.270	-.365
315	2108	-.094	.093	.279	-.424
315	2109	-.066	.102	.297	-.434
315	2110	.005	.056	.246	-.161
315	2111	.015	.054	.249	-.109
315	2112	.017	.061	.260	-.133
315	2113	.050	.066	.324	-.101
315	2114	-.037	.074	.469	-.164
315	2115	-.088	.039	.078	-.225
315	2116	-.014	.045	.189	-.159
315	3001	-.526	.207	-.138	-1.479
315	3002	-.481	.103	-.133	-.908
315	3003	-1.032	.254	-.314	-2.120
315	3004	-.831	.139	-.343	-1.343
315	3005	-.578	.156	-.176	-1.303
315	3006	-.287	.092	-.029	-.872
315	3007	-.194	.054	.007	-.596
315	3008	-.152	.044	-.007	-.390
315	3009	-.131	.045	.029	-.312
315	3010	-.157	.050	.020	-.379
315	3011	-.600	.246	.207	-1.757
315	3012	-.438	.089	-.178	-.890
315	3013	-.892	.165	-.428	-1.504
315	3014	-.891	.158	-.445	-1.465
315	3015	-.640	.173	-.107	-1.325
315	3016	-.315	.115	-.055	-.940
315	3017	-.197	.057	.042	-.590
315	3018	-.155	.042	.024	-.429
315	3019	-.147	.042	-.004	-.356
315	3020	-.167	.047	-.004	-.370
315	3021	-.643	.280	.250	-1.666
315	3022	-.413	.094	-.115	-.798
315	3023	-.845	.160	-.404	-1.769
315	3024	-.846	.152	-.328	-1.598
315	3025	-.654	.183	-.147	-1.318
315	3026	-.328	.120	-.035	-.852
315	3027	-.206	.063	-.007	-.514
315	3028	-.158	.047	.031	-.374
315	3029	-.147	.044	.004	-.314
315	3030	-.167	.048	-.018	-.355
315	3031	-.660	.292	-.252	-1.734
315	3032	-.434	.103	-.129	-1.172
315	3033	-.867	.177	-.389	-1.685
315	3034	-.867	.165	-.390	-1.556
315	3035	-.694	.184	-.116	-1.262
315	3036	-.350	.128	-.044	-.903
315	3037	-.209	.062	.040	-.495
315	3038	-.164	.046	.062	-.323
315	3039	-.151	.046	.033	-.325
315	3040	-.168	.051	.018	-.410
315	3041	-.642	.283	.285	-1.909
315	3042	-.445	.112	-.144	-.981
315	3043	-.916	.207	-.433	-1.844
315	3044	-.888	.188	-.314	-1.795
315	3045	-.620	.199	-.158	-1.269
315	3046	-.311	.117	-.040	-.892
315	3047	-.209	.067	.033	-.503
315	3048	-.166	.050	.029	-.405
315	3049	-.149	.050	.038	-.425
315	3050	-.166	.057	.033	-.406
315	3051	-.573	.303	.392	-1.815
315	3052	-.478	.108	-.120	-.930
315	3053	-.981	.223	-.435	-1.919
315	3054	-.880	.205	-.208	-1.815
315	3055	-.490	.177	.007	-1.167
315	3056	-.268	.083	-.004	-.743
315	3057	-.205	.052	.051	-.422
315	3058	-.168	.045	.011	-.356
315	3059	-.145	.047	.009	-.363
315	3060	-.156	.056	.002	-.390
315	3061	-.412	.283	.367	-1.462
315	3062	-.433	.110	.056	-.840
315	3063	-.914	.210	-.380	-1.720
315	3064	-.756	.192	-.208	-1.505
315	3065	-.382	.116	-.096	-1.093
315	3066	-.239	.058	.000	-.508
315	3067	-.197	.046	-.044	-.391
315	3068	-.159	.043	.011	-.378
315	3069	-.135	.047	.000	-.323
315	3070	-.142	.058	.013	-.433
315	3071	-.275	.198	.312	-1.077
315	3072	-.348	.106	.217	-.770
315	3073	-.789	.180	-.258	-1.618
315	3074	-.524	.110	-.232	-.996
315	3075	-.370	.089	-.122	-.911
315	3076	-.239	.059	-.013	-.628
315	3077	-.202	.055	-.026	-.481
315	3078	-.170	.053	-.004	-.573
315	3079	-.146	.055	.029	-.394
315	3080	-.155	.061	.011	-.452
315	3081	-.198	.055	.009	-.452
315	3082	-.134	.043	.000	-.364
315	3083	-.568	.128	-.248	-1.212
315	3084	-.529	.123	-.085	-1.075
315	3085	-.319	.090	-.084	-.734
315	3086	-.190	.053	.012	-.477
315	3087	-.159	.048	-.002	-.446
315	3088	-.112	.044	.058	-.270
315	3089	-.536	.141	-.222	-1.437
315	3090	-.547	.130	-.235	-1.190
315	3091	-.368	.113	-.040	-.951
315	3092	-.222	.064	-.023	-.540
315	3093	-.173	.052	.040	-.388
315	3094	-.153	.045	.007	-.351
315	3095	-.124	.040	.002	-.287
315	3096	-.119	.042	.023	-.281
315	3097	-.568	.149	-.227	-1.343
315	3098	-.572	.153	-.073	-1.193
315	3099	-.336	.115	-.016	-.869
315	3100	-.207	.063	.039	-.512
315	3101	-.166	.046	.000	-.362
315	3102	-.143	.041	-.012	-.332
315	3103	-.117	.035	.012	-.280
315	3104	-.116	.037	.012	-.293
315	3105	-.528	.149	-.164	-1.504
315	3106	-.504	.149	-.085	-1.456
315	3107	-.239	.080	-.047	-.639
315	3108	-.170	.046	-.014	-.394
315	3109	-.144	.036	-.021	-.315
315	3110	-.124	.033	-.005	-.318
315	3111	-.112	.030	-.016	-.256
315	3112	-.117	.033	-.012	-.288
315	3113	-.482	.177	-.021	-1.418
315	3114	-.391	.141	.000	-1.183
315	3115	-.155	.044	.100	-.319
315	3116	-.133	.033	.002	-.265
315	3117	-.128	.031	-.002	-.248
315	3118	-.105	.034	.019	-.226
315	3119	-.117	.034	.005	-.254
315	3120	-.132	.037	-.028	-.302
315	3122	-.078	.041	.094	-.206
315	3123	-.022	.050	.181	-.265
315	3124	.001	.073	.543	-.251
315	3125	-.436	.144	-.076	-1.188
315	3126	-.294	.076	-.121	-.636
315	3127	-.162	.049	.011	-.346
315	3128	-.133	.039	.005	-.267


APPENDIX A -- PRESSURE DATA:
ENERGY CENTER II -- DENVER , COLORADO
UD
TAP
CPMEAN
CPRMS
CPMAX
CPMIN

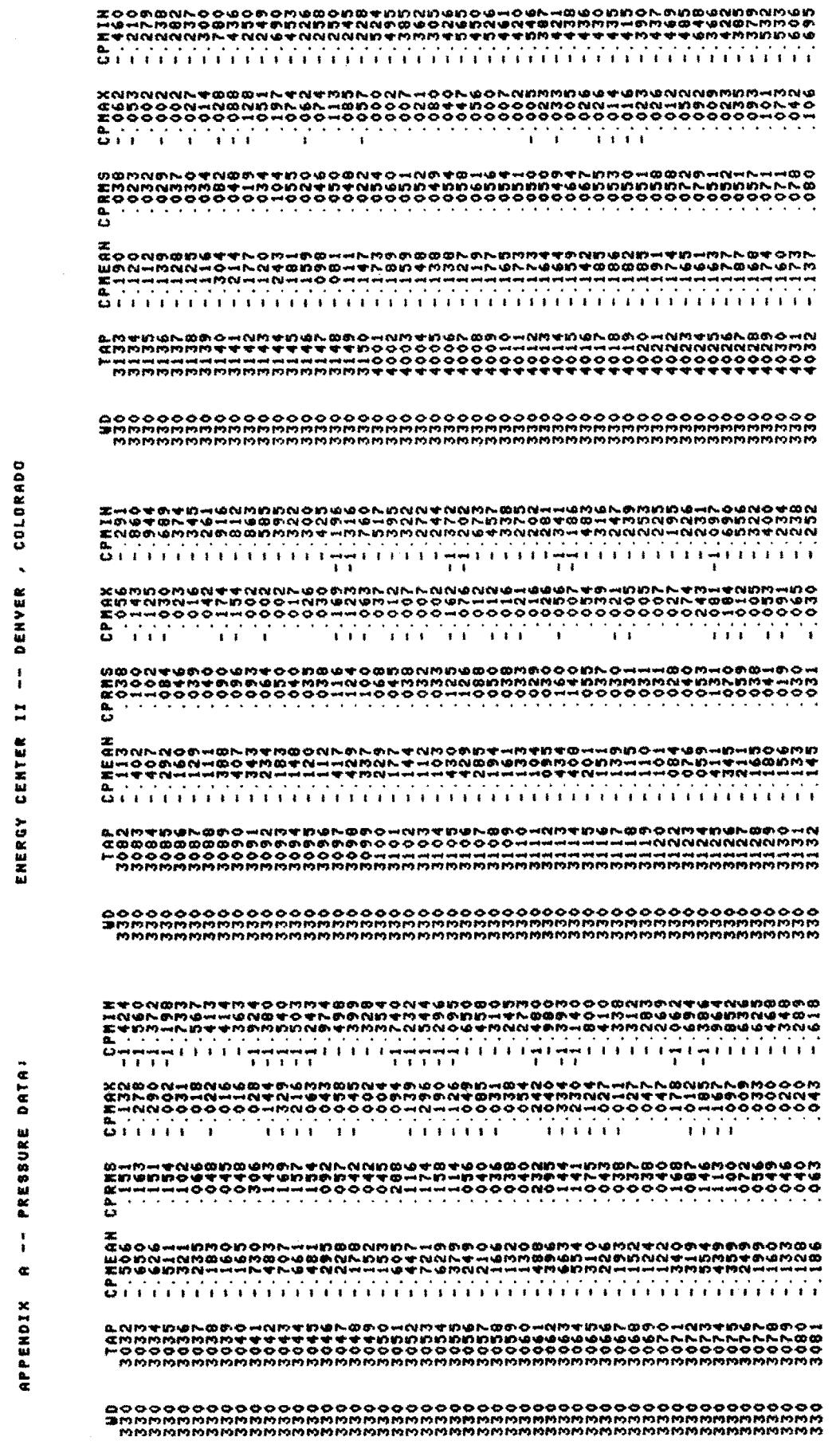

APPENDIX A -- PRESSURE DATA:
ENERGY CENTER II -- DENVER , COLORADO
CPMIN
CPMAX
CPRMS
CPMEAN
TAP
WD

APPENDIX A -- PRESSURE DATA: ENERGY CENTER II -- DENVER , COLORADO

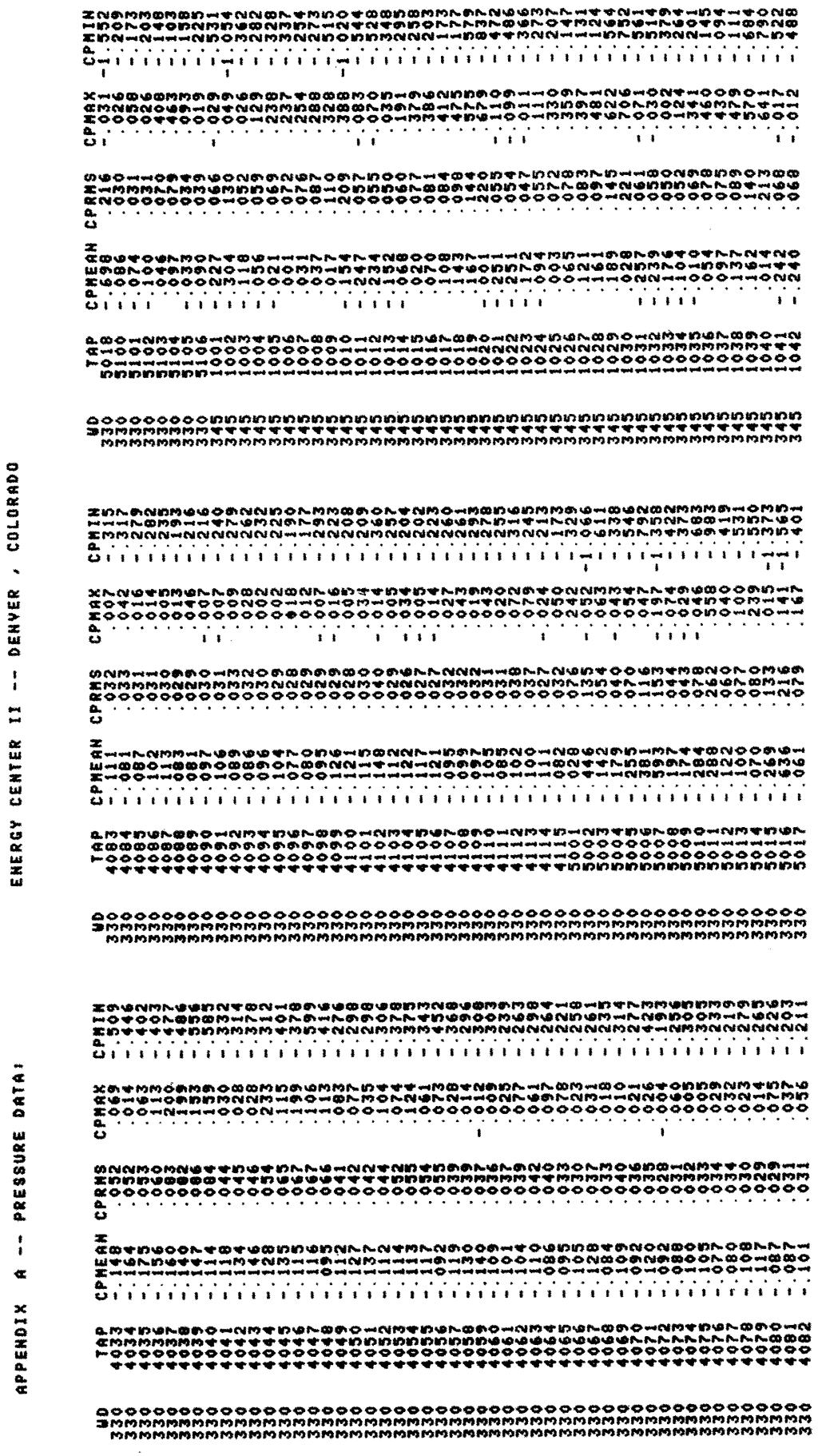
WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
330	1139	-.111	.041	-.013	-.248
330	1140	-.155	.073	.148	-.542
330	1141	-.060	.034	.111	-.245
330	2001	-.154	.141	.395	-.642
330	2002	-.099	.269	.772	-1.145
330	2003	.198	.230	.904	-.502
330	2004	.224	.224	.911	-.475
330	2005	.186	.204	.801	-.376
330	2006	.164	.198	.827	-.555
330	2007	.107	.177	.679	-.532
330	2008	-.151	.156	.521	-.727
330	2009	-.150	.145	.467	-.724
330	2010	-.138	.305	.864	-1.334
330	2011	.233	.214	.869	-.490
330	2012	.304	.223	.992	-.369
330	2013	.308	.227	.997	-.238
330	2014	.288	.223	.958	-.385
330	2015	.142	.203	.820	-.508
330	2016	-.201	.178	.531	-.900
330	2017	-.181	.147	.421	-.825
330	2018	-.170	.308	.652	-1.299
330	2019	.174	.187	.836	-.418
330	2020	.290	.190	1.020	-.162
330	2021	.317	.204	.946	-.168
330	2022	.268	.209	.945	-.248
330	2023	.114	.198	.803	-.346
330	2024	-.261	.195	.380	-.905
330	2025	-.204	.151	.448	-.750
330	2026	-.209	.323	.588	-1.426
330	2027	.117	.181	.927	-.395
330	2028	.227	.174	.901	-.227
330	2029	.251	.172	.997	-.251
330	2030	.221	.174	1.028	-.222
330	2031	.079	.167	.779	-.307
330	2032	-.256	.192	.481	-.947
330	2033	-.232	.142	.446	-.873
330	2034	-.266	.311	.527	-1.541
330	2035	.069	.165	.847	-.504
330	2036	.171	.153	.877	-.219
330	2037	.198	.136	.828	-.190
330	2038	.175	.134	.817	-.167
330	2039	.054	.133	.541	-.289
330	2040	-.249	.188	.400	-.839
330	2041	-.229	.123	.217	-.761
330	2042	-.316	.280	.547	-1.486
330	2043	-.029	.127	.477	-.513
330	2044	.090	.100	.459	-.203
330	2045	.131	.097	.615	-.112
330	2046	.130	.105	.680	-.105
330	2047	.048	.121	.550	-.257

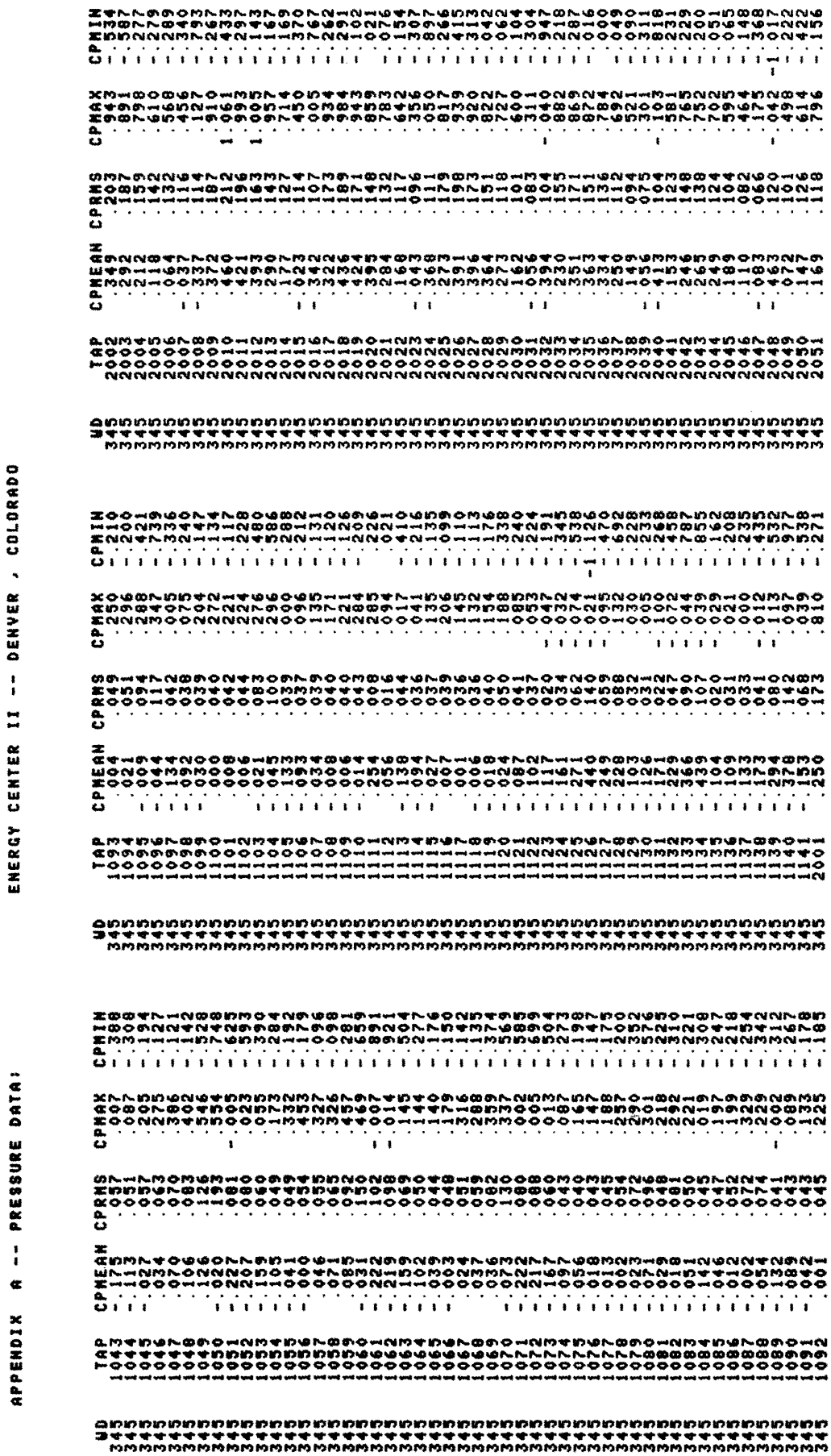
WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
330	2048	-.178	.165	.406	-.881
330	2049	-.230	.099	.055	-.681
330	2050	-.318	.241	.293	-1.433
330	2051	-.056	.104	.377	-.388
330	2052	.058	.086	.495	-.174
330	2053	.112	.083	.649	-.101
330	2054	.117	.093	.824	-.156
330	2055	.056	.103	.668	-.298
330	2056	-.138	.132	.411	-.788
330	2057	-.214	.090	.089	-.732
330	2058	-.266	.187	.323	-1.683
330	2059	-.050	.084	.298	-.402
330	2060	.053	.081	.415	-.325
330	2061	.096	.094	.528	-.421
330	2062	.105	.103	.581	-.469
330	2063	.065	.111	.572	-.325
330	2064	-.076	.120	.391	-.486
330	2065	.048	.093	.416	-.224
330	2066	.074	.107	.538	-.323
330	2067	.050	.103	.520	-.336
330	2068	.088	.115	.585	-.261
330	2069	.059	.075	.334	-.133
330	2070	.075	.120	.625	-.362
330	2071	-.036	.067	.286	-.252
330	2072	.051	.080	.488	-.227
330	2073	.116	.100	.617	-.215
330	2074	.134	.109	.701	-.229
330	2075	.132	.113	.622	-.214
330	2076	.064	.111	.526	-.265
330	2077	-.070	.102	.384	-.421
330	2078	-.046	.062	.247	-.250
330	2079	.046	.070	.436	-.114
330	2080	.092	.084	.561	-.179
330	2081	.110	.089	.501	-.080
330	2082	.108	.095	.513	-.098
330	2083	.052	.094	.468	-.164
330	2084	-.079	.089	.311	-.375
330	2085	-.062	.065	.238	-.290
330	2086	.021	.067	.362	-.151
330	2087	.068	.069	.357	-.143
330	2088	.066	.070	.367	-.157
330	2089	.057	.070	.400	-.194
330	2090	-.008	.068	.320	-.252
330	2091	-.104	.068	.182	-.384
330	2092	-.110	.068	.128	-.428
330	2093	.029	.062	.288	-.146
330	2094	.116	.081	.501	-.101
330	2095	.132	.086	.559	-.080
330	2096	.108	.083	.488	-.080
330	2097	.020	.069	.363	-.130

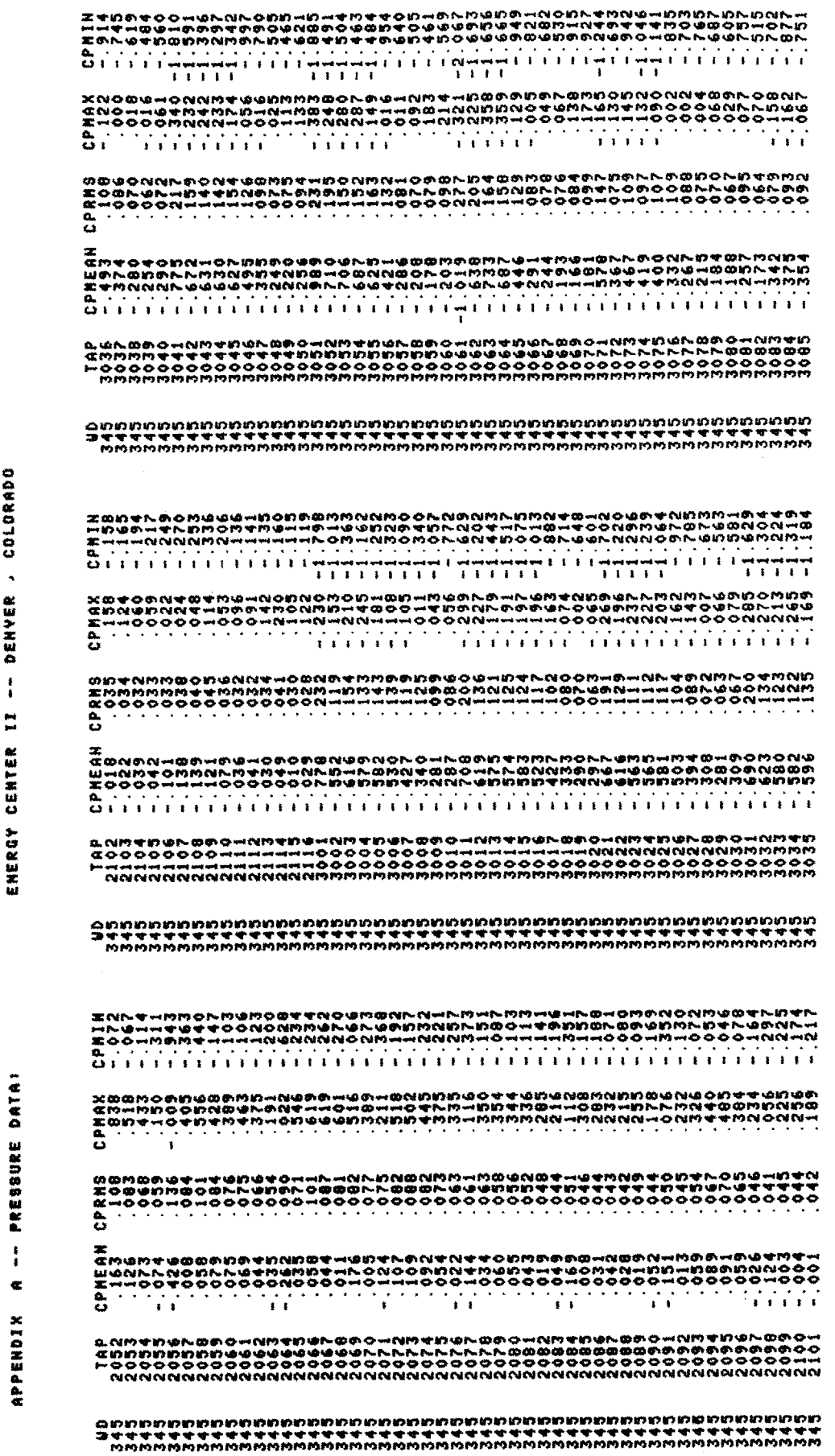
WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
330	2098	-.083	.054	.128	-.355
330	2099	-.025	.062	.219	-.339
330	2100	-.024	.060	.233	-.261
330	2101	-.018	.047	.246	-.253
330	2102	-.035	.049	.175	-.338
330	2103	-.046	.044	.147	-.296
330	2104	-.062	.041	.089	-.295
330	2105	-.055	.041	.089	-.348
330	2106	-.089	.041	.129	-.252
330	2107	-.112	.046	.202	-.317
330	2108	-.129	.059	.156	-.388
330	2109	-.114	.070	.237	-.476
330	2110	-.048	.045	.141	-.168
330	2111	-.038	.036	.106	-.161
330	2112	-.043	.038	.125	-.180
330	2113	-.019	.042	.196	-.162
330	2114	-.017	.061	.261	-.208
330	2115	-.050	.031	.062	-.178
330	2116	-.038	.035	.134	-.163
330	3001	-.774	.304	.092	-2.079
330	3002	-.471	.119	-.156	-1.081
330	3003	-.760	.261	-.271	-2.119
330	3004	-.604	.138	-.227	-1.258
330	3005	-.508	.141	-.099	-1.236
330	3006	-.339	.120	.004	-1.091
330	3007	-.259	.100	.018	-.745
330	3008	-.205	.077	.016	-.613
330	3009	-.176	.067	.007	-.560
330	3010	-.174	.059	.013	-.535
330	3011	-.856	.309	.220	-1.988
330	3012	-.503	.145	-.107	-1.227
330	3013	-.652	.169	-.274	-1.449
330	3014	-.633	.159	-.263	-1.347
330	3015	-.504	.144	-.097	-1.144
330	3016	-.328	.100	-.029	-.762
330	3017	-.241	.074	.042	-.545
330	3018	-.191	.059	.013	-.464
330	3019	-.171	.054	.043	-.499
330	3020	-.174	.050	.009	-.401
330	3021	-.846	.331	.061	-2.086
330	3022	-.496	.152	-.140	-1.458
330	3023	-.639	.140	-.256	-1.418
330	3024	-.628	.136	-.234	-1.135
330	3025	-.528	.152	-.031	-1.324
330	3026	-.334	.105	.038	-.809
330	3027	-.237	.067	.016	-.721
330	3028	-.189	.051	.004	-.500
330	3029	-.166	.045	-.029	-.405
330	3030	-.172	.048	-.029	-.428
330	3031	-.835	.338	.206	-2.232

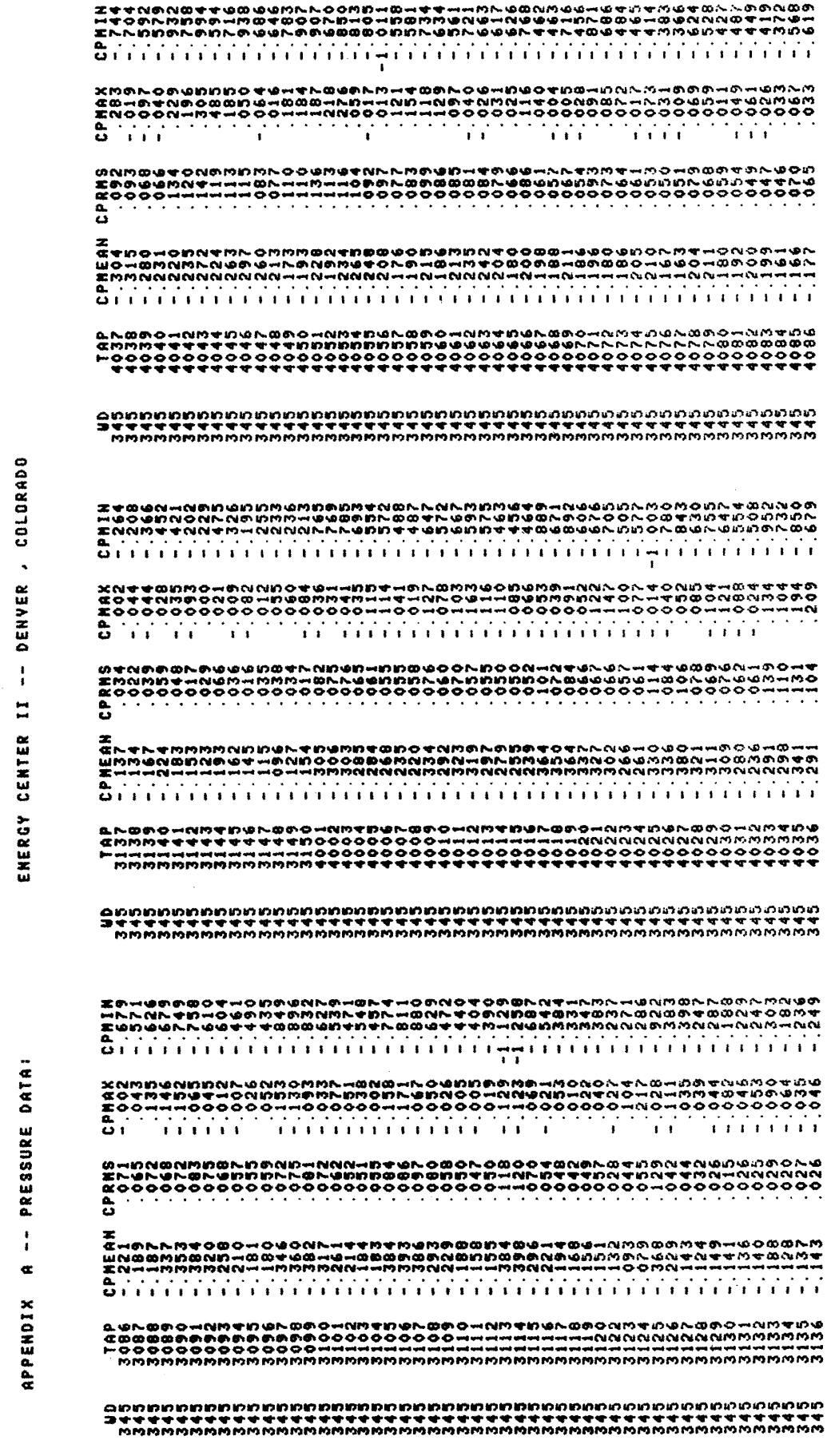


APPENDIX A -- PRESSURE DATA; ENERGY CENTER II -- DENVER , COLORADO


APPENDIX A -- PRESSURE DATA
ENERGY CENTER II -- DENVER , COLORADO
CPMIN
CPMAX
CPMEAN
CPRMS
TAP
WD


APPENDIX A -- PRESSURE DATA:
ENERGY CENTER II -- DENVER , COLORADO
CPMIN
CPMAX
CPRMS
CPMEAN
TAP
WD


APPENDIX A -- PRESSURE DATA:
ENERGY CENTER II -- DENVER , COLORADO
CPMIN
CPMAX
CPRMS
CPMEAN
TAP
DATE


APPENDIX A -- PRESSURE DATA:
ENERGY CENTER II -- DENVER , COLORADO
CPMIN
CPMAX
CPMEAN
CPRMS
TAP
WD

APPENDIX A -- PRESSURE DATA: ENERGY CENTER II -- DENVER , COLORADO

WD	TAP	CPMEAN	CPRMS	CPMAX	CPMIN
345	4087	-.208	.062	-.040	-.601
345	4088	-.197	.062	-.033	-.610
345	4089	-.198	.056	-.025	-.484
345	4090	-.203	.053	-.038	-.473
345	4091	-.211	.053	-.040	-.417
345	4092	-.152	.080	.076	-.679
345	4093	-.148	.071	.095	-.591
345	4094	-.202	.074	.007	-.659
345	4095	-.229	.069	-.045	-.765
345	4096	-.192	.058	-.042	-.503
345	4097	-.196	.068	-.023	-.607
345	4098	-.209	.067	-.028	-.626
345	4099	-.144	.040	.064	-.263
345	4100	-.146	.041	.014	-.302
345	4101	-.147	.039	.014	-.287
345	4102	-.161	.035	-.031	-.311
345	4103	-.143	.034	-.005	-.276
345	4104	-.140	.038	.048	-.271
345	4105	-.134	.037	.034	-.268
345	4106	-.150	.033	-.019	-.258
345	4107	-.149	.054	.027	-.486
345	4108	-.169	.055	.062	-.582
345	4109	-.188	.058	.026	-.486
345	4110	-.236	.083	-.045	-.796
345	4111	-.220	.071	-.030	-.639
345	4112	-.215	.071	-.031	-.651
345	4113	-.208	.071	-.019	-.622
345	4114	-.165	.038	.005	-.349
345	4115	-.170	.039	-.011	-.301
345	5001	-.140	.083	.133	-.419
345	5002	-.378	.087	-.092	-.765
345	5003	-.271	.071	-.016	-.644
345	5004	-.297	.046	-.135	-.464
345	5005	-.379	.057	-.186	-.633
345	5006	-.620	.126	-.264	-1.054
345	5007	-.656	.177	-.024	-1.249
345	5008	-.398	.093	-.149	-.899
345	5009	-.298	.045	-.156	-.556
345	5010	-.350	.065	-.129	-.586
345	5011	.148	.165	.687	-.481
345	5012	-.308	.095	-.063	-.646
345	5013	-.224	.144	.151	-.828
345	5014	-.048	.108	.253	-.648
345	5015	-.634	.231	-.136	-2.000
345	5016	-.069	.230	.497	-1.121
345	5017	-.149	.074	.058	-.503
345	5018	-1.366	.330	-.094	-2.396
345	5100	-.222	.084	.018	-.649
345	5101	-.234	.093	.048	-.661
345	5102	-.179	.073	.036	-.663
345	5103	-.099	.060	.176	-.394
345	5104	-.092	.101	.225	-.728
345	5105	-.137	.046	.018	-.315
345	5106	-.120	.048	.048	-.307