WIND ENGINEERING STUDY OF PEACHTREE PLAZA HOTEL, ATLANTA

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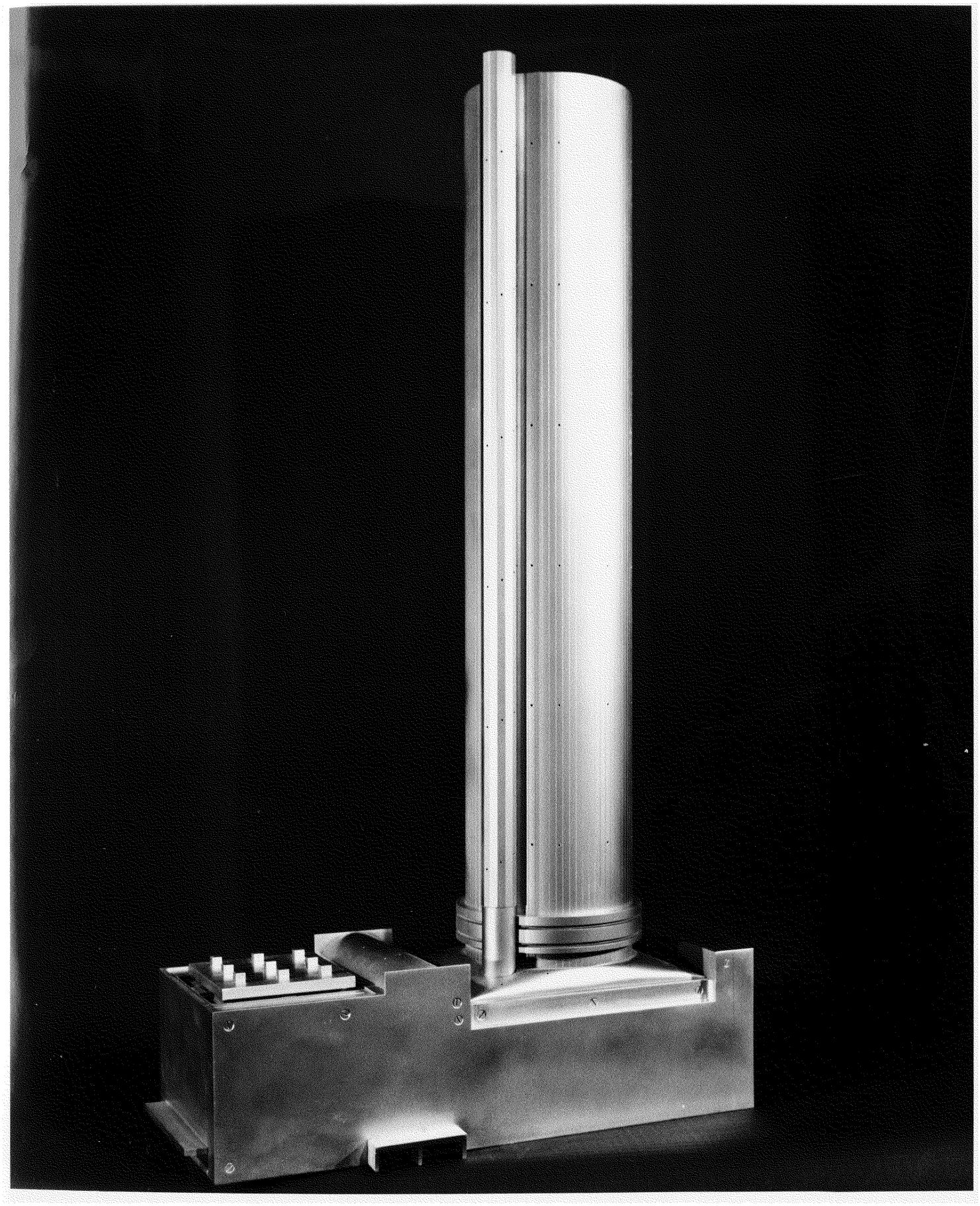

PEACHTREE PLAZA HOTEL, ATLANTA

(1:234 scale model)

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LIST OF SYMBOLS

Symbol	Definition
U	Local mean velocity
D	Characteristic dimension (building height, width, etc.)
ν	Kinematic viscosity of approach flow
$\frac{UD}{\nu}$	Reynolds number
E	Mean voltage
A	Constant
B	Constant
n	Constant
U_{rms}	Root-mean-square of fluctuating velocity
E_{rms}	Root-mean-square of fluctuating voltage
U_∞	Reference mean velocity outside the boundary layer
Y	Height above surface
δ	Height of boundary layer
T_u	Turbulence intensity U_{rms}/U_∞
$C_{p_{mean}}$	Mean pressure coefficient, $\frac{(p-p_\infty)_{mean}}{\frac{1}{2}\rho U_\infty^2}$
$C_{p_{rms}}$	Root-mean-square pressure coefficient, $\frac{((p-p_\infty) - (p-p_\infty)_{mean})_{rms}}{\frac{1}{2}\rho U_\infty^2}$
$C_{p_{max}}$	Peak maximum pressure coefficient, $\frac{(p-p_\infty)_{max}}{\frac{1}{2}\rho U_\infty^2}$
$C_{p_{min}}$	Peak minimum pressure coefficient, $\frac{(p-p_\infty)_{min}}{\frac{1}{2}\rho U_\infty^2}$
ρ	Density of approach flow
$(\ )_{min}$	Minimum value during data record

LIST OF SYMBOLS (Cont.)

Symbol	Definition
$( )_{max}$	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

1. INTRODUCTION

1.1 General

A significant characteristic of modern tall building design is lighter cladding and more flexible frames. These features combine to produce an increased vulnerability of glass lights and cladding to wind damage. In addition, increased use of pedestrian plazas has brought about a need to consider wind and gustiness in the design of these areas. Techniques have been developed during the past decade for wind-tunnnel modeling of proposed structures which allow the prediction of wind pressures on cladding and wind environment about the building. Knowledge of pressures on the structure permits adequate but economical selection of window strength to meet selected maximum design winds while information on sidewalk level gustiness allows plaza areas to be protected by design changes before the structure is constructed.

Modeling 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 scaled in geometry, 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. Wind velocity in the wind tunnel would have to be the model scale factor times the prototype wind. However, for sufficiently high Reynolds number ($>10^5$) a pressure coefficient at any location on the structure will be essentially constant with Reynolds number. Typical values encountered are 10^8 for the full scale and 10^6 for the wind tunnel model. Thus acceptable flow similarity is achieved without precise Reynolds number equality.

1.2 The Peachtree Plaza Hotel

A wind engineering study was performed for the proposed Peachtree Plaza Hotel in Atlanta, Georgia. The 724 ft high building was modeled (Frontispiece) at a 1:234 scale. The objectives of the wind engineering study were to obtain mean and fluctuating pressures on the buildings as well as wind velocity and gustiness in the area adjacent to the structure. In addition, a flow visualization study was performed to define overall flow patterns and regions where local flow features might cause difficulties in panel loading or pedestrian discomfort.

The Peachtree Plaza Hotel will be located in downtown Atlanta, Georgia. The area surrounding the proposed location has a noticeable variation in elevation and is largely covered with buildings of heights up to 350 ft.

2. EXPERIMENTAL CONFIGURATION

2.1 Wind Tunnel

The wind engineering study was performed in the Industrial Aerodynamics Wind Tunnel located in the Fluid Dynamics and Diffusion Laboratory at Colorado State University, Figure 1. The tunnel is a closed circuit facility driven by a 75 h.p. variable-pitch propeller. The test section is nominally 6 feet square and 62 feet long fed through a 4-to-1 contraction ratio. The roof is adjustable to maintain a zero pressure gradient along the test section. The mean velocity can be adjusted continuously from 1 to 65 fps.

2.2 Model

In order to obtain an accurate assessment of local pressures using piezometer taps, the model was constructed to the largest scale that would not produce serious blockage in the wind tunnel. A 1:234 scale model of the Peachtree Plaza Hotel was constructed from 1/2" Lucite plastic. In addition, in order to insure that the boundary layer on the surface of the model of the building was properly simulated, the surface of the cylindrical portion of the building was artificially roughened. Alternate spaces between the mullions (Fig. 2b) were covered with strips of #80 Garnet Cabinet Paper.

Piezometer taps (1/16 in. dia.) were drilled normal to the exterior surface at 135 locations on the building and plaza. The location of the taps on the structure is shown in Figures 2a to 2ℓ.

An area of 1560 ft radius surrounding the building site was modeled in detail. Terrain features were modeled using 1/4 in. thick sheets of styrofoam cut to fit contours using a 4.8 ft vertical contour interval. Structures within the modeled region were made from styrofoam cut to the

individual building geometries. The Peachtree Plaza Hotel was mounted on a 63 in. dia. turntable centered 55 ft from the test section entrance. The turntable indicated azimuthal orientation to $\pm$ 0.1 degree.

The region upstream from the modeled area was covered with a randomized roughness constructed from 1 in. cubes. Spires at the test section entrance provided a thicker boundary layer than would otherwise be available. The distribution of 1 in. roughness was designed to provide a boundary layer thickness of approximately 4 ft, a velocity profile power law exponent similar to that for the Atlanta area, and a logarithmic velocity profile with a realistic roughness length. A photograph of the complete model is shown in Figure 3. The wind tunnel ceiling was 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

Visualization of the flow in the vicinity of the model is helpful in understanding and interpreting mean and fluctuating pressures, in defining zones of separated flow and reattachment where pressure coefficients may be expected to be high, and in indicating areas where pedestrian discomfort may be a problem. Titanium tetrachloride smoke was released from sources on and near the model and motion picture records made. Conclusions obtained from these smoke studies are discussed in section 4.1.

3.2 Pressures

Mean and fluctuating pressures were obtained at each of the 135 pressure ports on the wind tunnel model. A 12 in. length of 1/16 I.D. plastic tubing connected 68 pressure ports at a time to a 72 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 68 measurement ports was directed in turn by the switch to one of the 4 pressure transducers mounted close to the switch. The switch was operated manually by means of a shaft projecting through the floor of the wind tunnel. A mechanical indexing feature locked the switch into each of the 18 required positions while a potentiometer provided an indication of the switch position on a digital voltmeter. The 4 pressure switch input taps not used for transmitting building pressures were connected to a common tube leading outside the wind tunnel. This arrangement provided both a means of performing in-place calibration of the

transducers and a means of automatically monitoring the tunnel speed using this valve position.

The pressure transducers used were Statham differential strain-gage transducers (Model PM283TC) with a 0.15 psid range. They were selected for the stability and linearity in the working range required. The resonant frequency of the transducers was approximately 2000 Hz so that resonance effects could be ignored. A reference pressure was obtained by connecting the reference side of the transducer with 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 measured the instantaneous difference between the local surface pressure and the static pressure in the free stream above the model.

Each pressure transducer bridge was monitored by a Honeywell Accudata 118 Gage Control/Amplifier unit which provided excitation to the bridge and amplified the bridge output. These instruments are characterized by a very stable excitation voltage and amplifier gain. Output from the Honeywell signal conditioners was fed to an on-line 8 channel System Development, Inc., analog-to-digital conversion unit. The data was processed onto digital tape for later data analysis by computer. Resolution of conversion was $\pm$ 0.0016 in pressure coefficient. All 4 transducers were 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 pressures and to determine overall accuracy of the pressure data acquisition system is shown in Figure 4. A typical pressure port record was integrated for a number of time periods to obtain the data shown. Examination of a large number of pressure taps showed that the overall accuracy for a

16 second average are, 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.

Reduction of the raw data to usable form was performed on the Colorado State University CDC 6400 computer as described in section 4.3.

3.3 Velocity

Velocity and turbulence intensity profiles were measured upstream of the model and at the building location with the model removed but with the surrounding buildings in place. In addition, mean velocity and turbulence intensity measurements were made 0.3 in (5.8 ft prototype) above the surface at 7 locations near the building for 12 wind directions, Figure 5. The surface measurements are indicative of the environment to which a pedestrian in the plaza area would be subjected.

Measurements were made with a single hot-wire anemometer mounted with its axis vertical. The instrumentation used was a DISA constant temperature anemometer (Model 55D05) with a 0.001 in. dia. platinum film sensing element 0.020 in. long. Output was read from a Hewlett-Packard integrating digital voltmeter (Model 2401C) for mean voltage and a DISA RMS meter (Model 55D35) for rms voltage.

Calibration of the hot-wire anemometer was performed using a Thermo-Systems Calibrator (Model 1125). The calibration data was fit to a variable exponent King's Law relationship

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

where E is the hot-wire output voltage, U the approach velocity and A, B and n are coefficients selected to fit the data. A typical calibration showing the linear relationship between E^2 and U^n is

plotted in Figure 6. The above relationship was used to recover the mean velocity at measurement points from 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. All turbulence measurements were divided by both local mean velocity U and mean velocity outside the boundary layer U_{∞}. Division by U gives an indication of the relative unsteadiness at the location while division by U_{∞} permits easy determination of the actual magnitude of rms velocity fluctuations at a point for various approach velocities.

4. RESULTS

4.1 Flow Visualization

A 550 ft film is included as part of the report showing the characteristics of flow about the structure using smoke to make the flow visible. A listing of 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 Peachtree Plaza Hotel was deflected down to the plaza level, up over the structure and around the sides. Scenes 1 through 6 show the effect of the tall elevator tower on the flow around the building. Scenes 3, 4, and 5 indicate a significant effect of the tall elevator tower on the separation of the flow from the model. In addition a noticeable acceleration of the flow around the outer portion of the elevator tower is evident. This acceleration of the flow and the movement of the separation point indicate a region of high oscillatory pressure and potentially large negative pressure coefficients. Scenes 7 through 10 provide examples of flow in the region surrounding the base of the building. Wind near the base of the building appeared to be moderate with no indications of areas of severe pedestrian discomfort.

4.2 Velocity

Approach velocity 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. The boundary layer thickness, δ, was 44 in corresponding to a prototype value of 854 ft. This is a reasonable value for the Atlanta area. In the form

$$\frac{U}{U_\infty} = \left[\frac{y}{\delta}\right]^n$$

the velocity profile has an exponent n of 0.24 for the approach flow which is an acceptable value for city environments such as Atlanta with moderate building heights. The profile plotted in Figure 7b is shown in semilogarithmic form. The effective roughness height Y_o indicated by the zero velocity intercept of the best fit line is 5.46 ft, which is reasonable for the site modeled. The velocity profiles measured at the building site with the model removed for wind azimuths 000° and 270° are shown in Figures 8a and 8b respectively. These profiles very dramatically illustrate the effect of the surrounding buildings on the velocity at the building site. The upstream approach for wind azimuth 000° contains numerous large buildings while the approach for wind azimuth 270° is relatively flat.

Profiles of longitudinal turbulence intensity are shown in Figure 9 for both the upstream and model removed conditions. Modifications to the profiles due to structures located upwind are evident. For the purpose of this report, turbulence intensity is defined as the root-mean-square of the longitudinal velocity fluctuations divided by the reference mean velocity U_∞ at the outer edge of the boundary layer,

$$Tu_1 = \frac{U_{rms}}{U_\infty} ,$$

or as the rms velocity divided by the local mean velocity,

$$Tu_2 = \frac{U_{rms}}{U} .$$

Mean velocity and turbulence intensity at locations 1-7 shown in Figure 5 for 12 wind directions are listed in Table 2 and are plotted in Figures 10-16. Measurements were taken 0.3 in. (5.8 ft prototype) above the surface. A site map is superimposed on the polar plots to

aid in visualization of the effects of structures and topography on the results. The largest mean velocities were recorded at point 5 for wind azimuths of 270 and 300 degrees. The largest values of fluctuating velocity were recorded at point 4 for 210 degrees wind azimuth. The rms velocity at that point was 0.17 U_∞. A number of other locations showed values in the range 0.14 to 0.16 U_∞. The highest "gustiness" values (U_{rms}/U) were slightly over 0.6U at a number of sites. Large values of gustiness must be interpreted in terms of the magnitude of mean velocity since a low local wind velocity can lead to large values as effectively as large rms velocities.

4.3 Pressures

For each of the pressure ports examined (1,620 total), the data record was analyzed to obtain 4 separate pressure coefficients. The first was the mean pressure coefficient

$$C_{p_{mean}} = \frac{(p - p_\infty)_{mean}}{\frac{1}{2}\rho\ U_\infty^{\ 2}}$$

where the symbols are as defined in the List of Symbols. It represents the mean of the instantaneous pressure difference between building pressure port and static pressure in the wind tunnel outside the boundary layer non-dimensionalized by the dynamic pressure $\frac{1}{2}\rho\ U_\infty^{\ 2}$ outside the boundary layer. The magnitude of the fluctuating pressure was obtained by the rms pressure coefficient

$$C_{p_{rms}} = \frac{[(p - p_\infty) - (p - p_\infty)_{mean}]_{rms}}{\frac{1}{2}\rho\ U_\infty^{\ 2}}$$

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:

$$C_{p_{max}} = \frac{(p - p_\infty)_{max}}{\frac{1}{2} \rho U_\infty^2}$$

$$C_{p_{min}} = \frac{(p - p_\infty)_{min}}{\frac{1}{2} \rho U_\infty^2}$$

The values of $p - p_\infty$ which were digitized at 250 samples-per-second for 16 seconds were examined individually by the computer to obtain the most positive and most negative values during the 16 second period. These were converted to Cp_{max} and Cp_{min} by non-dimensionalizing with the free stream dynamic pressure.

The four pressure coefficients were calculated by the CSU CDC 6400 computer and tabulated on microfilm. The list of coefficients for both structures is included as Appendix A. The tap code number in the Appendix is given in Figure 2. In addition the Appendix includes the approach wind azimuth in degrees from true north.

In order to verify the fact that the measured pressure coefficients are independent of Reynolds number for the wind tunnel tests, a series of runs were made for a single wind direction and three different free stream velocities. For wind direction 0 runs were made at velocities

of 38.8, 55.5, and 67.1 fps. A plot of these results for those pressure taps located at level two is shown in Figure 17. This plot, which is typical of the results at all levels, shows virtually no dependence of the pressure coefficients on Reynolds number.

In order to determine the largest loads acting at any point on the structure, the data for all wind directions was searched to obtain, at any pressure tap, the largest positive and negative mean values and the largest positive and negative peak values. These values are tabulated, with their associated peak and rms or mean and rms values, in Tables 3-6. Table 3 provides pressure coefficients for the largest positive means. Table 4 provides pressure coefficients for the largest positive peaks. Table 5 provides pressure coefficients for the largest negative means. Table 6 provides pressure coefficients for the largest negative peaks. The largest positive values on the hotel structure were between 1.1 and 1.2 and distributed over the upper portions of the structure. Nine locations were identified which had a minimum Cp_{peak} larger in magnitude than -2.7. These points were located on the outer portion of the elevator shaft. Numerous other points had peak coefficients larger than -2.0.

The pressure coefficients of Tables 3-6 can be converted to full scale loads by multiplication by a suitable reference pressure selected for the field site. One method of arriving at a reference interval was obtained for Atlanta from the proposed American National Standards Institute code A58.1 [4]. The wind magnitude for a 50 year return period in Atlanta is 79 mph for a fastest mile wind elevation at 30 ft elevation. A factor of 1.28 [5] was used to reduce this velocity to a one hour mean velocity--equivalent to the wind tunnel

mean velocity. The resulting 62.2 mph was then translated to a prototype elevation equivalent to the height of the reference wind-tunnel measurement (854 ft) by means of a power law velocity profile with a 0.16 exponent. This exponent corresponds to the typical values near airports where the 50 yr recurrence winds in the ANSI standard are appropriate. The velocity of 854 ft was calculated as 106 mph. The appropriate reference pressure based on this velocity is given by $0.00256\ U^2$ from the ANSI standard. For Atlanta, the reference pressure becomes 28.8 psf. A larger reference pressure would result if a larger recurrence interval were used. Tables 7-10 give psf loadings on the full scale structure which result from multiplication of the 28.8 psf reference pressure by the peak coefficients of Tables 3-6.

Recent research [6] indicates that the period of application of the peak pressures reported herein is about 4-5 seconds. 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 1 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. A relationship for annealed glass from Shand [7] indicates that a load reduction factor of 0.8 would correspond to a load duration change from 4-5 seconds to 60 seconds.

5. CONCLUSIONS

A simulated atmospheric boundary layer flow over the Peachtree Plaza Hotel model was established whose characteristics compared favorably with the expected flow over the Atlanta area. Flow visualization showed fluctuating separation features on the taller elevator tower suggesting high values of pressure coefficient in those regions. Smoke observation of the flow in the vicinity of the base of the building did not show any areas where severe pedestrian discomfort would be expected.

Measurements of fluctuating velocity indicated the largest value of fluctuating velocities occurred at location 4 for 210 degree wind azimuths with an rms velocity 17 percent of the reference velocity above the boundary layer. This corresponds to a local turbulence intensity of 55 percent of the local mean velocity. A number of other locations experienced rms velocities in the range of 14 to 16 percent of U_∞. A number of points experienced relatively high local turbulence intensity (more than 40 percent of local mean). These points all experienced values of local mean velocity less than one-half the reference velocity. The street-level velocities measured do not indicate problems in pedestrian discomfort.

Pressure measurements on the structure supported the flow visualization conclusion that the region on the taller elevator tower near the flow separation point would have large negative pressures. The negative pressures on the taller elevator tower were more extreme (near -3.0) than is generally expected on a structure. Overall pressures on the hotel structure were of moderate amplitude.

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Table 1

MOTION PICTURE SCENE GUIDE

Scene	Wind Azimuth	Smoke Source
1	235	Level Two
2	205	Level Two
3	175	Level Two
4	145	Level Two
5	085	Level Two
6	055	Level Two
7	000	Ground Level - Various Locations
8	090	Ground Level - Various Locations
9	180	Ground Level - Various Locations
10	270	Ground Level - Various Locations

Length - 550 ft

Running Time - 18 min

Table 2

MEAN AND FLUCTUATING VELOCITIES AROUND THE BASE OF THE BUILDING

Wind Azimuth	Building Location	U/U_∞ Percent	U_{rms}/U_∞ Percent	U_{rms}/U Percent
000	1	20.2	8.6	42.2
	2	16.0	7.8	48.8
	3	30.1	7.4	24.7
	4	9.8	3.8	38.9
	5	21.5	8.4	39.2
	6	22.9	9.4	41.0
	7	22.6	9.9	43.7
030	1	34.9	10.1	29.0
	2	42.8	9.9	23.1
	3	44.4	11.5	25.8
	4	4.1	1.8	43.8
	5	15.9	6.5	40.8
	6	10.1	3.8	37.5
	7	12.8	4.7	36.9
060	1	29.2	10.9	37.3
	2	32.3	11.7	36.2
	3	37.5	10.8	28.9
	4	11.3	5.1	45.1
	5	10.1	4.2	41.5
	6	15.3	5.7	37.0
	7	11.0	4.3	38.9
090	1	32.5	14.6	45.0
	2	29.3	11.5	39.3
	3	46.1	11.0	23.8
	4	26.3	11.6	44.1
	5	20.4	8.4	41.0
	6	17.9	8.2	46.0
	7	10.3	6.6	63.7
120	1	28.7	13.1	45.7
	2	27.1	11.3	41.8
	3	38.5	9.7	25.3
	4	28.4	11.3	39.8
	5	28.8	8.4	29.3
	6	24.4	10.3	42.3
	7	15.0	8.9	59.3

Wind Azimuth	Building Location	U/U_∞ Percent	U_{rms}/U_∞ Percent	U_{rms}/U Percent
150	1	24.8	10.0	40.4
	2	23.0	9.2	40.2
	3	38.5	8.6	22.3
	4	27.0	9.9	36.6
	5	37.1	10.2	27.5
	6	19.0	8.8	46.5
	7	24.7	9.6	38.9
180	1	13.4	4.6	34.1
	2	21.7	8.9	41.2
	3	16.8	8.6	51.3
	4	14.1	9.3	66.1
	5	30.1	9.8	32.5
	6	12.2	4.6	37.6
	7	19.6	8.8	44.7
210	1	13.4	5.0	37.0
	2	14.0	5.6	40.0
	3	23.9	10.5	44.0
	4	31.3	17.2	54.8
	5	32.8	10.2	31.1
	6	18.0	8.6	47.9
	7	46.8	16.6	35.4
240	1	19.4	8.3	42.9
	2	20.9	7.9	37.9
	3	31.9	12.2	38.3
	4	18.6	6.4	34.3
	5	37.4	10.5	28.0
	6	33.7	17.1	50.7
	7	15.2	7.7	50.5
270	1	17.5	7.8	44.3
	2	17.2	7.3	42.6
	3	35.6	13.4	37.7
	4	15.9	6.2	38.7
	5	59.1	12.6	21.3
	6	23.6	11.7	49.6
	7	19.8	8.5	43.1

Wind Azimuth	Building Location	U/U_∞ Percent	U_{rms}/U_∞ Percent	U_{rms}/U Percent
300	1	24.1	10.6	43.8
	2	17.4	8.3	47.7
	3	40.8	15.5	38.1
	4	16.1	6.2	38.8
	5	65.1	10.9	16.8
	6	23.8	9.3	39.1
	7	34.2	10.2	29.8
330	1	42.5	14.9	35.1
	2	24.0	14.0	58.2
	3	--	--	--
	4	36.1	16.0	44.3
	5	39.9	13.1	32.8
	6	26.6	9.9	37.1
	7	36.0	8.6	23.8

Table 3

WIND ENGINFERING OF THE PEACHTREE PLAZA HOTEL
ATLANTA, GEORGIA
MAXIMUM MEAN PRESSURE COEFFICIENTS BASED ON ALL WIND DIRECTIONS TESTED AND THE OTHER VALUES ASSOCIATED WITH THE WIND DIRECTION AT WHICH THE MAXIMUM MEAN OCCURRED

TAP NUMBER	WIND DIRECTION	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
1	210	-.424	.036	-.267	-.551
2	180	-.356	.034	-.219	-.461
3	60	-.611	.088	-.330	-.950
4	90	-.145	.154	.275	-.720
5	180	-.186	.049	-.030	-.373
6	30	-.388	.063	-.177	-.656
7	270	-.425	.046	-.265	-.594
8	180	-.182	.052	.013	-.387
9	210	-.304	.038	-.180	-.443
10	30	.843	.097	1.096	.468
11	0	.854	.094	1.096	.424
12	330	.839	.088	1.070	.486
13	300	.837	.094	1.104	.462
14	270	.815	.096	1.084	.382
15	240	.812	.091	1.110	.472
16	210	.772	.087	1.049	.316
17	180	.723	.091	.965	.231
18	120	.822	.108	1.137	.329
19	90	.806	.090	1.071	.416
20	90	.833	.093	1.128	.429
21	120	.907	.128	1.243	.429
22	90	.664	.100	.909	.215
23	60	.722	.212	1.136	-.221
24	30	.793	.102	1.072	.351
25	30	.842	.093	1.099	.462
26	30	.839	.091	1.090	.459
27	30	.804	.106	1.035	.411
28	0	.843	.098	1.103	.485
29	330	.818	.105	1.070	.469
30	300	.818	.100	1.072	.412
31	270	.811	.101	1.104	.430
32	240	.778	.112	1.065	.020
33	210	.728	.093	.993	.290
34	180	.615	.133	.975	-.133

Table 3 Continued

WIND ENGINEERING OF THE PEACHTREE PLAZA HOTEL
ATLANTA, GEORGIA
MAXIMUM MEAN PRESSURE COEFFICIENTS BASED ON ALL WIND DIRECTIONS TESTED AND THE OTHER VALUES ASSOCIATED WITH THE WIND DIRECTION AT WHICH THE MAXIMUM MEAN OCCURRED

TAP NUMBER	WIND DIRECTION	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
35	120	.801	.116	1.121	.261
36	120	.845	.107	1.147	.411
37	90	.827	.103	1.071	.410
38	120	.878	.135	1.236	.398
39	90	.561	.124	.993	-.030
40	60	.536	.231	1.042	-.358
41	30	.704	.127	.978	.037
42	30	.748	.103	1.001	.238
43	0	.368	.043	.501	.185
44	0	.637	.080	.901	.339
45	0	.722	.109	1.027	.177
46	330	.708	.098	.972	.314
47	300	.553	.086	.780	.242
48	270	.757	.121	1.110	.288
49	240	.668	.136	1.067	.130
50	210	.588	.118	.904	.045
51	150	.453	.120	.873	.023
52	150	.669	.109	.975	.135
53	120	.769	.127	1.066	.354
54	120	.695	.098	.924	.362
55	120	.357	.067	.541	.119
56	90	.425	.114	.724	-.049
57	60	.338	.219	.989	-.512
58	30	.621	.086	.876	.213
59	0	.440	.036	.563	.282
60	0	.660	.079	.917	.368
61	0	.464	.123	.792	.039
62	0	.584	.064	.747	.375
63	330	.445	.027	.527	.352
64	300	.558	.059	.710	.374
65	270	.651	.136	.979	.187
66	240	.552	.096	.833	.266
67	210	.363	.049	.518	.225
68	150	.323	.122	.703	-.058

Table 3 Continued

WIND ENGINEERING OF THE PEACHTREE PLAZA HOTEL
ATLANTA, GEORGIA
MAXIMUM MEAN PRESSURE COEFFICIENTS BASED ON ALL WIND DIRECTIONS TESTED AND THE OTHER VALUES ASSOCIATED WITH THE WIND DIRECTION AT WHICH THE MAXIMUM MEAN OCCURRED

TAP NUMBER	WIND DIRECTION	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
69	150	.541	.152	.916	.027
70	90	.638	.124	.993	.226
71	90	.641	.126	.970	.210
72	90	.619	.131	.998	.161
73	90	.326	.166	.798	-.258
74	60	.077	.199	.940	-.688
75	30	.245	.210	.948	-.610
76	0	.356	.130	.752	-.066
77	0	.494	.125	.868	.034
78	330	.140	.095	.398	-.163
79	0	.043	.081	.304	-.250
80	330	.447	.142	.842	.029
81	300	.620	.154	1.055	.153
82	270	.530	.151	.924	.061
83	240	.403	.169	.998	-.132
84	210	.289	.155	.789	-.132
85	180	-0.000	-0.000	-0.000	-0.000
86	150	.392	.159	1.037	-.318
87	90	.540	.131	.936	.104
88	90	.543	.130	.923	.115
89	90	.517	.141	.990	.088
90	90	.210	.174	.737	-.748
91	180	-0.000	-0.000	-0.000	-0.000
92	180	-0.000	-0.000	-0.000	-0.000
93	330	.158	.118	.560	-.249
94	330	.199	.093	.549	-.083
95	180	-0.000	-0.000	-0.000	-0.000
96	180	-0.000	-0.000	-0.000	-0.000
97	330	.182	.117	.606	-.309
98	300	.408	.150	.877	.002
99	270	.388	.152	.869	-.080
100	240	.257	.186	.835	-.207
101	210	.128	.137	.748	-.302
102	180	-0.000	-0.000	-0.000	-0.000

Table 3 Continued

WIND ENGINEERING OF THE PEACHTREE PLAZA HOTEL
ATLANTA, GEORGIA
MAXIMUM MEAN PRESSURE COEFFICIENTS BASED ON ALL WIND DIRECTIONS TESTED AND THE OTHER VALUES ASSOCIATED WITH THE WIND DIRECTION AT WHICH THE MAXIMUM MEAN OCCURRED

TAP NUMBER	WIND DIRECTION	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
103	150	.238	.140	.844	-.121
104	90	.376	.162	.888	-.095
105	90	.391	.159	.916	-.062
106	90	.324	.167	.957	-.113
107	90	.175	.188	.838	-.482
108	180	-0.000	-0.000	-0.000	-0.000
109	180	-0.000	-0.000	-0.000	-0.000
110	180	-0.000	-0.000	-0.000	-0.000
111	180	-0.000	-0.000	-0.000	-0.000
112	180	-0.000	-0.000	-0.000	-0.000
113	300	.219	.147	.673	-.247
114	300	.036	.082	.324	-.331
115	300	.111	.092	.553	-.196
116	270	.180	.103	.545	-.093
117	270	.183	.097	.611	-.064
118	240	.057	.108	.621	-.434
119	210	.069	.091	.543	-.123
120	150	.192	.096	.633	-.056
121	120	.188	.114	.671	-.115
122	120	.259	.099	.620	.002
123	150	.157	.103	.530	-.140
124	180	-0.000	-0.000	-0.000	-0.000
125	180	-0.000	-0.000	-0.000	-0.000
126	120	.098	.087	.475	-.240
127	60	.011	.041	.162	-.245
128	180	-0.000	-0.000	-0.000	-0.000
129	180	-0.000	-0.000	-0.000	-0.000
130	60	.018	.072	.457	-.242
131	180	-0.000	-0.000	-0.000	-0.000
132	180	-0.000	-0.000	-0.000	-0.000
133	180	-0.000	-0.000	-0.000	-0.000
134	60	.148	.040	.342	-.021
135	60	.081	.042	.307	-.073

Table 4

WIND ENGINEERING OF THE PEACHTREE PLAZA HOTEL
ATLANTA, GEORGIA
MAXIMUM PEAK PRESSURE COEFFICIENTS BASED ON ALL WIND DIRECTIONS TESTED AND THE OTHER VALUES ASSOCIATED WITH THE WIND DIRECTION AT WHICH THE MAXIMUM PEAK OCCURRED

TAP NUMBER	WIND DIRECTION	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
1	60	-.588	.111	-.245	-.931
2	180	-.356	.034	-.219	-.461
3	180	-.609	.103	-.219	-1.055
4	90	-.145	.154	.275	-.720
5	180	-.186	.049	-.030	-.373
6	30	-.388	.063	-.177	-.656
7	240	-.470	.068	-.221	-.702
8	60	-.494	.133	.062	-1.136
9	60	-.610	.150	-.161	-1.393
10	30	.843	.097	1.096	.468
11	0	.854	.094	1.096	.424
12	330	.839	.088	1.070	.486
13	300	.837	.094	1.104	.462
14	270	.815	.096	1.084	.382
15	240	.812	.091	1.110	.472
16	210	.772	.087	1.049	.316
17	180	.723	.091	.965	.231
18	120	.822	.108	1.137	.329
19	90	.806	.090	1.071	.416
20	60	.673	.216	1.191	-.399
21	120	.907	.128	1.243	.429
22	90	.664	.100	.909	.215
23	60	.722	.212	1.136	-.221
24	30	.793	.102	1.072	.351
25	30	.842	.093	1.099	.462
26	30	.839	.091	1.090	.459
27	0	.801	.093	1.043	.449
28	0	.843	.098	1.103	.485
29	330	.818	.105	1.070	.469
30	300	.818	.100	1.072	.412
31	270	.811	.101	1.104	.430
32	240	.778	.112	1.065	.020
33	210	.728	.093	.993	.290
34	180	.615	.133	.975	-.133

Table 4 Continued

WIND ENGINFERING OF THE PEACHTREE PLAZA HOTEL
ATLANTA, GEORGIA
MAXIMUM PEAK PRESSURE COEFFICIENTS BASED ON ALL WIND DIRECTIONS TESTED AND THE OTHER VALUES ASSOCIATED WITH THE WIND DIRECTION AT WHICH THE MAXIMUM PEAK OCCURRED

TAP NUMBER	WIND DIRECTION	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
35	120	.801	.116	1.121	.261
36	120	.845	.107	1.147	.411
37	120	.789	.113	1.071	.342
38	120	.878	.135	1.236	.398
39	90	.561	.124	.993	-.030
40	60	.536	.231	1.042	-.358
41	30	.704	.127	.978	.037
42	30	.748	.103	1.001	.238
43	60	.165	.161	.685	-.389
44	60	.136	.225	.995	-.641
45	0	.722	.109	1.027	.177
46	330	.708	.098	.972	.314
47	300	.553	.086	.780	.242
48	270	.757	.121	1.110	.288
49	240	.668	.136	1.067	.130
50	180	.342	.216	.986	-.508
51	150	.453	.120	.873	.023
52	120	.667	.123	.995	.207
53	90	.739	.115	1.081	.285
54	120	.695	.098	.924	.362
55	150	.336	.082	.642	.087
56	90	.425	.114	.724	-.049
57	60	.338	.219	.989	-.512
58	30	.621	.086	.876	.213
59	0	.440	.036	.563	.282
60	0	.660	.079	.917	.368
61	30	.367	.177	1.014	-.109
62	0	.584	.064	.747	.375
63	330	.445	.027	.527	.352
64	300	.558	.059	.710	.374
65	270	.651	.136	.979	.187
66	240	.552	.096	.833	.266
67	210	.363	.049	.518	.225
68	150	.323	.122	.703	-.058

Table 4 Continued

WIND ENGINEERING OF THE PEACHTREE PLAZA HOTEL
ATLANTA, GEORGIA
MAXIMUM PEAK PRESSURE COEFFICIENTS BASED ON ALL WIND DIRECTIONS TESTED AND THE OTHER VALUES ASSOCIATED WITH THE WIND DIRECTION AT WHICH THE MAXIMUM PEAK OCCURRED

TAP NUMBER	WIND DIRECTION	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
69	150	.541	.152	.916	.027
70	90	.638	.124	.993	.226
71	90	.641	.126	.970	.210
72	120	.592	.134	1.070	.188
73	90	.326	.166	.798	-.258
74	60	.077	.199	.940	-.688
75	30	.245	.210	.948	-.610
76	30	.318	.186	.877	-.213
77	30	.400	.177	.889	-.176
78	330	.140	.095	.398	-.163
79	0	.043	.081	.304	-.250
80	330	.447	.142	.842	.029
81	300	.620	.154	1.055	.153
82	270	.530	.151	.924	.061
83	240	.403	.169	.998	-.132
84	210	.289	.155	.789	-.132
85	150	-.008	.196	.679	-.912
86	150	.392	.159	1.037	-.318
87	90	.540	.131	.936	.104
88	90	.543	.130	.923	.115
89	90	.517	.141	.990	.088
90	90	.210	.174	.737	-.748
91	60	-.258	.165	.319	-.939
92	210	-.425	.201	.103	-1.553
93	300	.013	.152	.600	-.360
94	330	.199	.093	.549	-.083
95	0	-.093	.080	.330	-.382
96	150	-.867	.302	.218	-2.260
97	0	.080	.127	.722	-.443
98	300	.408	.150	.877	.002
99	270	.388	.152	.869	-.080
100	240	.257	.186	.835	-.207
101	210	.128	.137	.748	-.302
102	150	-.154	.126	.486	-.522

Table 4 Continued

WIND ENGINEERING OF THE PEACHTREE PLAZA HOTEL
ATLANTA, GEORGIA
MAXIMUM PEAK PRESSURE COEFFICIENTS BASED ON ALL WIND DIRECTIONS TESTED AND THE OTHER VALUES ASSOCIATED WITH THE WIND DIRECTION AT WHICH THE MAXIMUM PEAK OCCURRED

TAP NUMBER	WIND DIRECTION	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
103	150	.238	.140	.844	-.121
104	90	.376	.162	.888	-.095
105	90	.391	.159	.916	-.062
106	90	.324	.167	.957	-.113
107	90	.175	.188	.838	-.482
108	210	-.231	.139	2.966	-1.130
109	210	-.204	.094	.032	-.789
110	240	-.286	.228	.508	-1.123
111	0	-.025	.087	.323	-.282
112	30	-.210	.092	.354	-.517
113	300	.219	.147	.673	-.247
114	330	-.085	.085	.364	-.465
115	300	.111	.092	.553	-.196
116	270	.180	.103	.545	-.093
117	270	.183	.097	.611	-.064
118	240	.057	.108	.621	-.434
119	210	.069	.091	.543	-.123
120	120	.164	.108	.677	-.126
121	120	.188	.114	.671	-.115
122	120	.259	.099	.620	.002
123	120	.151	.099	.542	-.164
124	120	-.055	.120	.446	-.489
125	0	-.156	.106	.281	-.524
126	120	.098	.087	.475	-.240
127	120	-.081	.076	.323	-.348
128	90	-.118	.121	.654	-.807
129	120	-.171	.112	.566	-.941
130	120	-.023	.072	.478	-.710
131	120	-.141	.103	.502	-.890
132	0	-.194	.148	.482	-.708
133	120	-.186	.148	.640	-1.168
134	120	.021	.114	.715	-.798
135	120	-.070	.126	.732	-1.101

Table 5

WIND ENGINFERING OF THE PEACHTREE PLAZA HOTEL
ATLANTA, GEORGIA
MINIMUM MEAN PRESSURE COEFFICIENTS BASED ON ALL WIND DIRECTIONS TESTED AND THE OTHER VALUES ASSOCIATED WITH THE WIND DIRECTION AT WHICH THE MINIMUM MEAN OCCURRED

TAP NUMBER	WIND DIRECTION	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
1	120	-1.195	.095	-.737	-1.460
2	330	-.957	.076	-.672	-1.193
3	120	-1.239	.105	-.785	-1.587
4	330	-1.195	.084	-.802	-1.438
5	270	-1.562	.087	-1.217	-1.828
6	270	-1.560	.085	-1.209	-1.816
7	90	-1.349	.091	-.922	-1.634
8	90	-1.528	.099	-1.137	-1.797
9	90	-1.848	.141	-1.287	-2.267
10	90	-1.449	.134	-.868	-1.943
11	90	-1.196	.217	-.402	-1.660
12	270	-1.274	.086	-.927	-1.553
13	0	-.882	.076	-.592	-1.153
14	330	-1.347	.082	-1.004	-1.610
15	300	-1.335	.075	-1.031	-1.537
16	270	-1.391	.095	-1.046	-1.711
17	90	-1.121	.075	-.837	-1.396
18	60	-1.057	.136	-.499	-1.444
19	270	-.886	.089	-.576	-1.184
20	270	-.863	.075	-.531	-1.141
21	300	-.816	.050	-.673	-1.018
22	270	-.886	.087	-.561	-1.412
23	120	-1.340	.393	-.593	-2.550
24	300	-1.597	.112	-1.213	-1.959
25	90	-1.409	.147	-.899	-2.069
26	90	-1.384	.120	-.910	-1.806
27	90	-1.499	.169	-.806	-2.047
28	90	-1.141	.255	-.078	-1.742
29	270	-1.313	.090	-1.004	-1.677
30	240	-1.018	.108	-.482	-1.427
31	330	-1.227	.094	-.937	-1.559
32	300	-1.472	.097	-1.137	-1.819
33	270	-1.380	.098	-1.041	-1.691
34	90	-1.047	.087	-.776	-1.345

Table 5 Continued

WIND ENGINEERING OF THE PEACHTREE PLAZA HOTEL
ATLANTA, GEORGIA
MINIMUM MEAN PRESSURE COEFFICIENTS BASED ON ALL WIND DIRECTIONS TESTED AND THE OTHER VALUES ASSOCIATED WITH THE WIND DIRECTION AT WHICH THE MINIMUM MEAN OCCURRED

TAP NUMBER	WIND DIRECTION	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
35	60	-.885	.157	-.283	-1.551
36	300	-.791	.058	-.597	-1.043
37	330	-.789	.051	-.641	-.955
38	300	-.758	.056	-.547	-.983
39	300	-.772	.056	-.581	-1.008
40	120	-1.379	.428	-.518	-2.788
41	90	-1.607	.239	-.837	-2.780
42	90	-1.467	.163	-.795	-2.115
43	90	-1.270	.129	-.709	-1.774
44	90	-1.445	.196	-.776	-2.053
45	90	-.995	.298	-.088	-1.841
46	270	-1.183	.114	-.803	-1.563
47	240	-.764	.118	-.360	-1.152
48	120	-.753	.083	-.514	-1.111
49	300	-1.130	.071	-.901	-1.351
50	270	-1.174	.103	-.825	-1.529
51	240	-.746	.098	-.388	-1.132
52	210	-.715	.152	-.284	-1.385
53	300	-.715	.069	-.367	-.971
54	300	-.530	.057	-.387	-.892
55	270	-.472	.037	-.346	-.607
56	210	-.493	.126	-.115	-1.037
57	120	-1.514	.395	-.580	-2.726
58	90	-1.000	.211	-.361	-1.695
59	270	-.564	.059	-.218	-.738
60	90	-1.074	.155	-.493	-1.559
61	90	-1.433	.211	-.254	-2.245
62	120	-.551	.113	-.307	-1.164
63	270	-.505	.059	-.275	-.695
64	120	-.677	.096	-.381	-1.168
65	330	-.916	.089	-.621	-1.251
66	150	-.356	.111	-.084	-1.061
67	120	-.304	.054	-.144	-.513
68	90	-.780	.076	-.540	-1.075

Table 5 Continued

WIND ENGINEERING OF THE PEACHTREE PLAZA HOTEL
ATLANTA, GEORGIA
MINIMUM MEAN PRESSURE COEFFICIENTS BASED ON ALL WIND DIRECTIONS TESTED AND THE OTHER VALUES ASSOCIATED WITH THE WIND DIRECTION AT WHICH THE MINIMUM MEAN OCCURRED

TAP NUMBER	WIND DIRECTION	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
69	30	-.891	.171	-.408	-1.635
70	0	-.863	.181	-.184	-1.584
71	0	-.863	.166	-.421	-1.679
72	0	-.880	.161	-.446	-1.616
73	0	-.850	.170	-.226	-1.816
74	120	-1.476	.303	-.502	-2.913
75	90	-1.711	.365	-.699	-2.957
76	90	-1.450	.242	-.684	-2.410
77	90	-1.353	.222	-.472	-1.946
78	90	-1.295	.238	-.411	-2.243
79	120	-.971	.233	-.317	-1.926
80	270	-.970	.126	-.587	-1.347
81	150	-.916	.267	-.271	-2.653
82	0	-1.002	.188	-.464	-1.692
83	150	-.999	.266	-.223	-1.834
84	120	-1.274	.224	-.512	-2.020
85	90	-1.040	.116	-.668	-1.539
86	210	-.922	.234	.060	-1.720
87	0	-.852	.202	-.094	-1.623
88	0	-.885	.215	-.023	-1.733
89	0	-.832	.205	-.178	-1.786
90	0	-.896	.270	-.294	-2.195
91	120	-1.297	.348	-.415	-2.696
92	90	-1.649	.355	-.665	-2.893
93	90	-1.327	.260	-.577	-2.280
94	90	-1.260	.217	-.626	-1.977
95	90	-1.169	.246	-.348	-2.151
96	120	-1.006	.246	-.061	-1.835
97	240	-.911	.202	-.338	-1.578
98	120	-.688	.166	-.054	-1.393
99	120	-.855	.222	-.021	-1.822
100	120	-.936	.156	-.437	-1.592
101	120	-1.226	.174	-.721	-1.912
102	240	-.991	.165	-.575	-1.638

Table 5 Continued

WIND ENGINFERING OF THE PEACHTREE PLAZA HOTEL
ATLANTA, GEORGIA
MINIMUM MEAN PRESSURE COEFFICIENTS BASED ON ALL WIND DIRECTIONS TESTED AND THE OTHER VALUES ASSOCIATED WITH THE WIND DIRECTION AT WHICH THE MINIMUM MEAN OCCURRED

TAP NUMBER	WIND DIRECTION	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
103	240	-.731	.138	-.359	-1.424
104	330	-.811	.097	-.560	-1.361
105	330	-.744	.093	-.467	-1.155
106	330	-.757	.095	-.396	-1.225
107	330	-.765	.100	-.431	-1.189
108	150	-1.237	.478	-.246	-2.941
109	90	-1.434	.307	-.660	-2.887
110	90	-1.191	.239	-.536	-2.277
111	90	-1.130	.200	-.580	-1.884
112	150	-.701	.217	-.073	-1.861
113	120	-.547	.095	-.112	-1.115
114	120	-.466	.143	-.159	-1.319
115	120	-.524	.139	-.235	-1.609
116	120	-.430	.056	-.237	-1.342
117	120	-.493	.058	-.329	-.807
118	330	-.517	.073	-.308	-.880
119	300	-.498	.074	-.153	-.753
120	270	-.624	.054	-.461	-.889
121	300	-.580	.058	-.418	-.882
122	270	-.557	.054	-.392	-.814
123	270	-.576	.059	-.389	-.838
124	270	-.598	.061	-.405	-.863
125	120	-.919	.159	-.401	-1.653
126	270	-.477	.058	-.217	-.737
127	270	-.536	.048	-.397	-.837
128	300	-.664	.073	-.476	-1.049
129	300	-.705	.076	-.500	-1.060
130	270	-.496	.049	-.347	-.754
131	270	-.519	.058	-.335	-.779
132	300	-.764	.105	-.451	-1.261
133	300	-.983	.133	-.546	-1.553
134	270	-.572	.094	-.325	-.985
135	300	-.514	.089	-.243	-.997

Table 6

WIND ENGINEERING OF THE PEACHTREE PLAZA HOTEL
ATLANTA, GEORGIA
MINIMUM PEAK PRESSURE COEFFICIENTS BASED ON ALL WIND DIRECTIONS TESTED AND THE OTHER VALUES ASSOCIATED WITH THE WIND DIRECTION AT WHICH THE MINIMUM PEAK OCCURRED

TAP NUMBER	WIND DIRECTION	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
1	120	-1.195	.095	-.737	-1.460
2	120	-.939	.098	-.633	-1.303
3	120	-1.239	.105	-.785	-1.587
4	120	-.978	.132	-.558	-1.639
5	270	-1.562	.087	-1.217	-1.828
6	270	-1.560	.085	-1.209	-1.816
7	120	-1.249	.124	-.895	-1.794
8	90	-1.528	.099	-1.137	-1.797
9	90	-1.848	.141	-1.287	-2.267
10	90	-1.449	.134	-.868	-1.943
11	90	-1.196	.217	-.402	-1.660
12	270	-1.274	.086	-.927	-1.553
13	120	-.856	.088	-.576	-1.164
14	330	-1.347	.082	-1.004	-1.610
15	300	-1.335	.075	-1.031	-1.537
16	120	-1.348	.127	-.865	-1.784
17	90	-1.121	.075	-.837	-1.396
18	270	-.974	.095	-.751	-1.702
19	270	-.886	.089	-.576	-1.184
20	30	-.835	.118	-.115	-1.226
21	0	-.643	.087	-.427	-1.192
22	270	-.886	.087	-.561	-1.412
23	120	-1.340	.393	-.593	-2.550
24	90	-1.451	.154	-.756	-2.212
25	90	-1.409	.147	-.899	-2.069
26	90	-1.384	.120	-.910	-1.806
27	90	-1.499	.169	-.806	-2.047
28	120	-.849	.110	-.560	-1.958
29	60	-1.003	.185	-.456	-1.775
30	240	-1.018	.108	-.482	-1.427
31	330	-1.227	.094	-.937	-1.559
32	300	-1.472	.097	-1.137	-1.819
33	120	-1.252	.128	-.780	-1.817
34	240	-1.015	.111	-.664	-1.430

Table 6 Continued

WIND ENGINEERING OF THE PEACHTREE PLAZA HOTEL
ATLANTA, GEORGIA
MINIMUM PEAK PRESSURE COEFFICIENTS BASED ON ALL WIND DIRECTIONS TESTED AND THE OTHER VALUES ASSOCIATED WITH THE WIND DIRECTION AT WHICH THE MINIMUM PEAK OCCURRED

TAP NUMBER	WIND DIRECTION	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
35	0	-.680	.128	-.271	-1.738
36	0	-.651	.112	-.214	-1.774
37	0	-.629	.098	-.387	-1.473
38	0	-.589	.092	-.306	-1.176
39	30	-.740	.122	-.356	-1.320
40	120	-1.379	.428	-.518	-2.788
41	90	-1.607	.239	-.837	-2.780
42	90	-1.467	.163	-.795	-2.115
43	90	-1.270	.129	-.709	-1.774
44	90	-1.445	.196	-.776	-2.053
45	90	-.995	.298	-.088	-1.841
46	120	-.839	.106	-.539	-1.822
47	180	-.499	.174	-.064	-1.411
48	180	-.635	.190	-.100	-1.486
49	30	-.540	.103	-.272	-1.357
50	270	-1.174	.103	-.825	-1.529
51	240	-.746	.098	-.388	-1.132
52	210	-.715	.152	-.284	-1.385
53	0	-.714	.172	-.149	-2.236
54	0	-.259	.094	-.016	-.953
55	210	-.389	.085	-.143	-.754
56	0	-.373	.118	-.097	-1.119
57	0	-.811	.247	-.268	-2.806
58	90	-1.000	.211	-.361	-1.695
59	270	-.564	.059	-.218	-.738
60	90	-1.074	.155	-.493	-1.559
61	90	-1.433	.211	-.254	-2.245
62	150	-.526	.109	-.293	-1.428
63	270	-.505	.059	-.275	-.695
64	150	-.481	.108	-.226	-1.462
65	30	-.558	.197	-.092	-2.261
66	150	-.356	.111	-.084	-1.061
67	120	-.304	.054	-.144	-.513
68	90	-.780	.076	-.540	-1.075

Table 6 Continued

WIND ENGINEERING OF THE PEACHTREE PLAZA HOTEL
ATLANTA, GEORGIA
MINIMUM PEAK PRESSURE COEFFICIENTS BASED ON ALL WIND DIRECTIONS TESTED AND THE OTHER VALUES ASSOCIATED WITH THE WIND DIRECTION AT WHICH THE MINIMUM PEAK OCCURRED

TAP NUMBER	WIND DIRECTION	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
69	0	-.849	.209	-.290	-1.850
70	0	-.863	.181	-.184	-1.584
71	0	-.863	.166	-.421	-1.679
72	0	-.880	.161	-.446	-1.616
73	0	-.850	.170	-.226	-1.816
74	120	-1.476	.303	-.502	-2.913
75	90	-1.711	.365	-.699	-2.957
76	90	-1.450	.242	-.684	-2.410
77	90	-1.353	.222	-.472	-1.946
78	90	-1.295	.238	-.411	-2.243
79	150	-.887	.256	.023	-2.240
80	120	-.921	.216	-.228	-2.270
81	150	-.916	.267	-.271	-2.653
82	120	-.931	.178	-.515	-2.363
83	150	-.999	.266	-.223	-1.834
84	120	-1.274	.224	-.512	-2.020
85	0	-.736	.161	-.191	-1.668
86	210	-.922	.234	.060	-1.720
87	210	-.589	.161	-.184	-1.624
88	0	-.885	.215	-.023	-1.733
89	0	-.832	.205	-.178	-1.786
90	0	-.896	.270	-.294	-2.195
91	150	-1.133	.425	-.300	-2.923
92	90	-1.649	.355	-.665	-2.893
93	90	-1.327	.260	-.577	-2.280
94	90	-1.260	.217	-.626	-1.977
95	150	-.885	.321	-.145	-2.359
96	150	-.867	.302	.218	-2.260
97	120	-.819	.217	-.194	-1.609
98	150	-.685	.246	.005	-1.846
99	150	-.834	.257	-.244	-1.933
100	120	-.936	.156	-.437	-1.592
101	120	-1.226	.174	-.721	-1.912
102	240	-.991	.165	-.575	-1.638

Table 6 Continued

WIND ENGINEERING OF THE PEACHTREE PLAZA HOTEL
ATLANTA, GEORGIA
MINIMUM PEAK PRESSURE COEFFICIENTS BASED ON ALL WIND DIRECTIONS TESTED AND THE OTHER VALUES ASSOCIATED WITH THE WIND DIRECTION AT WHICH THE MINIMUM PEAK OCCURRED

TAP NUMBER	WIND DIRECTION	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
103	240	-.731	.138	-.359	-1.424
104	0	-.695	.220	.080	-1.703
105	0	-.690	.205	.039	-1.656
106	0	-.550	.213	-.039	-1.482
107	0	-.749	.272	-.181	-2.408
108	150	-1.237	.478	-.246	-2.941
109	120	-1.247	.300	-.493	-3.158
110	120	-1.086	.223	-.503	-2.600
111	150	-.804	.276	-.149	-1.985
112	150	-.701	.217	-.073	-1.861
113	150	-.440	.151	-.032	-1.237
114	150	-.431	.173	.129	-1.571
115	120	-.524	.139	-.235	-1.609
116	120	-.430	.056	-.237	-1.342
117	120	-.493	.058	-.329	-.807
118	300	-.508	.087	-.238	-.911
119	300	-.498	.074	-.153	-.753
120	270	-.624	.054	-.461	-.889
121	300	-.580	.058	-.418	-.882
122	270	-.557	.054	-.392	-.814
123	270	-.576	.059	-.389	-.838
124	330	-.577	.083	-.285	-1.019
125	150	-.797	.193	-.302	-1.768
126	270	-.477	.058	-.217	-.737
127	0	-.167	.083	.307	-1.243
128	300	-.664	.073	-.476	-1.049
129	300	-.705	.076	-.500	-1.060
130	270	-.496	.049	-.347	-.754
131	120	-.141	.103	.502	-.890
132	300	-.764	.105	-.451	-1.261
133	300	-.983	.133	-.546	-1.553
134	270	-.572	.094	-.325	-.985
135	120	-.070	.126	.732	-1.101

Table 7

WIND ENGINFERING OF THE PEACHTREE PLAZA HOTEL
ATLANTA, GEORGIA
MAXIMUM MEAN PRESSURE LOADS (PSF) BASED ON ALL WIND DIRECTIONS TESTED AND THE OTHER VALUES ASSOCIATED WITH THE WIND DIRECTION AT WHICH THE MAXIMUM MEAN OCCURRED,BASED ON A REFERENCE PRESSURE OF 28.8 PSF(50 YR. RECURRENCE)

TAP NUMBER	WIND DIRECTION	MEAN PRESSURE LOADS (PSF)	RMS PRESSURE LOADS (PSF)	MAXIMUM PRESSURE LOADS (PSF)	MINIMUM PRESSURE LOADS (PSF)
1	210	-12.211	1.037	-7.690	-15.869
2	180	-10.253	.979	-6.307	-13.277
3	60	-17.597	2.534	-9.504	-27.360
4	90	-4.176	4.435	7.920	-20.736
5	180	-5.357	1.411	-.864	-10.742
6	30	-11.174	1.814	-5.098	-18.893
7	270	-12.240	1.325	-7.632	-17.107
8	180	-5.242	1.498	.374	-11.146
9	210	-8.755	1.094	-5.184	-12.758
10	30	24.278	2.794	31.565	13.478
11	0	24.595	2.707	31.565	12.211
12	330	24.163	2.534	30.816	13.997
13	300	24.106	2.707	31.795	13.306
14	270	23.472	2.765	31.219	11.002
15	240	23.386	2.621	31.968	13.594
16	210	22.234	2.506	30.211	9.101
17	180	20.822	2.621	27.792	6.653
18	120	23.674	3.110	32.746	9.475
19	90	23.213	2.592	30.845	11.981
20	90	23.990	2.678	32.486	12.355
21	120	26.122	3.686	35.798	12.355
22	90	19.123	2.880	26.179	6.192
23	60	20.794	6.106	32.717	-6.365
24	30	22.838	2.938	30.874	10.109
25	30	24.250	2.678	31.651	13.306
26	30	24.163	2.621	31.392	13.219
27	30	23.155	3.053	29.808	11.837
28	0	24.278	2.822	31.766	13.968
29	330	23.558	3.024	30.816	13.507
30	300	23.558	2.880	30.874	11.866
31	270	23.357	2.909	31.795	12.384
32	240	22.406	3.226	30.672	.576
33	210	20.966	2.678	28.598	8.352
34	180	17.712	3.830	28.080	-3.830

Table 7 Continued

WIND ENGINEERING OF THE PEACHTREE PLAZA HOTEL
ATLANTA, GEORGIA
MAXIMUM MEAN PRESSURE LOADS (PSF) BASED ON ALL WIND DIRECTIONS TESTED AND THE OTHER VALUES ASSOCIATED WITH THE WIND DIRECTION AT WHICH THE MAXIMUM MEAN OCCURRED, BASED ON A REFERENCE PRESSURE OF 28.8 PSF(50 YR. RECURRENCE)

TAP NUMBER	WIND DIRECTION	MEAN PRESSURE LOADS (PSF)	RMS PRESSURE LOADS (PSF)	MAXIMUM PRESSURE LOADS (PSF)	MINIMUM PRESSURE LOADS (PSF)
35	120	23.069	3.341	32.285	7.517
36	120	24.336	3.082	33.034	11.837
37	90	23.818	2.966	30.845	11.808
38	120	25.286	3.888	35.597	11.462
39	90	16.157	3.571	28.598	-.864
40	60	15.437	6.653	30.010	-10.310
41	30	20.275	3.658	28.166	1.066
42	30	21.542	2.966	28.829	6.854
43	0	10.598	1.238	14.429	5.328
44	0	18.346	2.304	25.949	9.763
45	0	20.794	3.139	29.578	5.098
46	330	20.390	2.822	27.994	9.043
47	300	15.926	2.477	22.464	6.970
48	270	21.802	3.485	31.968	8.294
49	240	19.238	3.917	30.730	3.744
50	210	16.934	3.398	26.035	1.296
51	150	13.046	3.456	25.142	.662
52	150	19.267	3.139	28.080	3.888
53	120	22.147	3.658	30.701	10.195
54	120	20.016	2.822	26.611	10.426
55	120	10.282	1.930	15.581	3.427
56	90	12.240	3.283	20.851	-1.411
57	60	9.734	6.307	28.483	-14.746
58	30	17.885	2.477	25.229	6.134
59	0	12.672	1.037	16.214	8.122
60	0	19.008	2.275	26.410	10.598
61	0	13.363	3.542	22.810	1.123
62	0	16.819	1.843	21.514	10.800
63	330	12.816	.778	15.178	10.138
64	300	16.070	1.699	20.448	10.771
65	270	18.749	3.917	28.195	5.386
66	240	15.898	2.765	23.990	7.661
67	210	10.454	1.411	14.918	6.480
68	150	9.302	3.514	20.246	-1.670

Table 7 Continued

WIND ENGINFERING OF THE PEACHTREE PLAZA HOTEL
ATLANTA, GEORGIA
MAXIMUM MEAN PRESSURE LOADS (PSF) BASED ON ALL WIND DIRECTIONS TESTED AND THE OTHER VALUES ASSOCIATED WITH THE WIND DIRECTION AT WHICH THE MAXIMUM MEAN OCCURRED,BASED ON A REFFRENCE PRESSURE OF 28.8 PSF(50 YR. RECURRENCE)

TAP NUMBER	WIND DIRECTION	MEAN PRESSURE LOADS (PSF)	RMS PRESSURE LOADS (PSF)	MAXIMUM PRESSURE LOADS (PSF)	MINIMUM PRESSURE LOADS (PSF)
69	150	15.581	4.378	26.381	.778
70	90	18.374	3.571	28.598	6.509
71	90	18.461	3.629	27.936	6.048
72	90	17.827	3.773	28.742	4.637
73	90	9.389	4.781	22.982	-7.430
74	60	2.218	5.731	27.072	-19.814
75	30	7.056	6.048	27.302	-17.568
76	0	10.253	3.744	21.658	-1.901
77	0	14.227	3.600	24.998	.979
78	330	4.032	2.736	11.462	-4.694
79	0	1.238	2.333	8.755	-7.200
80	330	12.874	4.090	24.250	.835
81	300	17.856	4.435	30.384	4.406
82	270	15.264	4.349	26.611	1.757
83	240	11.606	4.867	28.742	-3.802
84	210	8.323	4.464	22.723	-3.802
85	180	0.000	0.000	0.000	0.000
86	150	11.290	4.579	29.866	-9.158
87	90	15.552	3.773	26.957	2.995
88	90	15.638	3.744	26.582	3.312
89	90	14.890	4.061	28.512	2.534
90	90	6.048	5.011	21.226	-21.542
91	180	0.000	0.000	0.000	0.000
92	180	0.000	0.000	0.000	0.000
93	330	4.550	3.398	16.128	-7.171
94	330	5.731	2.678	15.811	-2.390
95	180	0.000	0.000	0.000	0.000
96	180	0.000	0.000	0.000	0.000
97	330	5.242	3.370	17.453	-8.899
98	300	11.750	4.320	25.258	.058
99	270	11.174	4.378	25.027	-2.304
100	240	7.402	5.357	24.048	-5.962
101	210	3.686	3.946	21.542	-8.698
102	180	0.000	0.000	0.000	0.000

Table 7 Continued

WIND ENGINEERING OF THE PEACHTREE PLAZA HOTEL
ATLANTA, GEORGIA
MAXIMUM MEAN PRESSURE LOADS (PSF) BASED ON ALL WIND DIRECTIONS TESTED AND THE OTHER VALUES ASSOCIATED WITH THE WIND DIRECTION AT WHICH THE MAXIMUM MEAN OCCURRED,BASED ON A REFERENCE PRESSURE OF 28.8 PSF(50 YR. RECURRENCE)

TAP NUMBER	WIND DIRECTION	MEAN PRESSURE LOADS (PSF)	RMS PRESSURE LOADS (PSF)	MAXIMUM PRESSURE LOADS (PSF)	MINIMUM PRESSURE LOADS (PSF)
103	150	6.854	4.032	24.307	-3.485
104	90	10.829	4.666	25.574	-2.736
105	90	11.261	4.579	26.381	-1.786
106	90	9.331	4.810	27.562	-3.254
107	90	5.040	5.414	24.134	-13.882
108	180	0.000	0.000	0.000	0.000
109	180	0.000	0.000	0.000	0.000
110	180	0.000	0.000	0.000	0.000
111	180	0.000	0.000	0.000	0.000
112	180	0.000	0.000	0.000	0.000
113	300	6.307	4.234	19.382	-7.114
114	300	1.037	2.362	9.331	-9.533
115	300	3.197	2.650	15.926	-5.645
116	270	5.184	2.966	15.696	-2.678
117	270	5.270	2.794	17.597	-1.843
118	240	1.642	3.110	17.885	-12.499
119	210	1.987	2.621	15.638	-3.542
120	150	5.530	2.765	18.230	-1.613
121	120	5.414	3.283	19.325	-3.312
122	120	7.459	2.851	17.856	.058
123	150	4.522	2.966	15.264	-4.032
124	180	0.000	0.000	0.000	0.000
125	180	0.000	0.000	0.000	0.000
126	120	2.822	2.506	13.680	-6.912
127	60	.317	1.181	4.666	-7.056
128	180	0.000	0.000	0.000	0.000
129	180	0.000	0.000	0.000	0.000
130	60	.518	2.074	13.162	-6.970
131	180	0.000	0.000	0.000	0.000
132	180	0.000	0.000	0.000	0.000
133	180	0.000	0.000	0.000	0.000
134	60	4.262	1.152	9.850	-.605
135	60	2.333	1.210	8.842	-2.102

Table 8

WIND ENGINEERING OF THE PEACHTREE PLAZA HOTEL
ATLANTA, GEORGIA
MAXIMUM PEAK PRESSURE LOADS (PSF) BASED ON ALL WIND DIRECTIONS TESTED AND THE OTHER VALUES ASSOCIATED WITH THE WIND DIRECTION AT WHICH THE MAXIMUM PEAK OCCURRED,BASED ON A REFERENCE PRESSURE OF 28.8 PSF(50 YR. RECURRENCE)

TAP NUMBER	WIND DIRECTION	MEAN PRESSURE LOADS (PSF)	RMS PRESSURE LOADS (PSF)	MAXIMUM PRESSURE LOADS (PSF)	MINIMUM PRESSURE LOADS (PSF)
1	60	-16.934	3.197	-7.056	-26.813
2	180	-10.253	.979	-6.307	-13.277
3	180	-23.299	2.966	-6.307	-30.384
4	90	-4.176	4.435	7.920	-20.736
5	180	-5.357	1.411	-.864	-10.742
6	30	-11.174	1.814	-5.098	-18.893
7	240	-13.536	1.958	-6.365	-20.218
8	60	-14.227	3.830	1.786	-32.717
9	60	-23.328	4.320	-4.637	-40.118
10	30	24.278	2.794	31.565	13.478
11	0	24.595	2.707	31.565	12.211
12	330	24.163	2.534	30.816	13.997
13	300	24.106	2.707	31.795	13.306
14	270	23.472	2.765	31.219	11.002
15	240	23.386	2.621	31.968	13.594
16	210	22.234	2.506	30.211	9.101
17	180	20.822	2.621	27.792	6.653
18	120	23.674	3.110	32.746	9.475
19	90	23.213	2.592	30.845	11.981
20	60	19.382	6.221	34.301	-11.491
21	120	26.122	3.686	35.798	12.355
22	90	19.123	2.880	26.179	6.192
23	60	20.794	6.106	32.717	-6.365
24	30	22.838	2.938	30.874	10.109
25	30	24.250	2.678	31.651	13.306
26	30	24.163	2.621	31.392	13.219
27	0	23.069	2.678	30.038	12.931
28	0	24.278	2.822	31.766	13.968
29	330	23.558	3.024	30.816	13.507
30	300	23.558	2.880	30.874	11.866
31	270	23.357	2.909	31.795	12.384
32	240	22.406	3.226	30.672	.576
33	210	20.966	2.678	28.598	8.352
34	180	17.712	3.830	28.080	-3.830

Table 8 Continued

WIND ENGINEERING OF THE PEACHTREE PLAZA HOTEL
ATLANTA, GEORGIA
MAXIMUM PEAK PRESSURE LOADS (PSF) BASED ON ALL WIND DIRECTIONS TESTED AND THE OTHER VALUES ASSOCIATED WITH THE WIND DIRECTION AT WHICH THE MAXIMUM PEAK OCCURRED,BASED ON A REFERENCE PRESSURE OF 28.8 PSF(50 YR. RECURRENCE)

TAP NUMBER	WIND DIRECTION	MEAN PRESSURE LOADS (PSF)	RMS PRESSURE LOADS (PSF)	MAXIMUM PRESSURE LOADS (PSF)	MINIMUM PRESSURE LOADS (PSF)
35	120	23.069	3.341	32.285	7.517
36	120	24.336	3.082	33.034	11.837
37	120	22.723	3.254	30.845	9.850
38	120	25.286	3.888	35.597	11.462
39	90	16.157	3.571	28.598	-.864
40	60	15.437	6.653	30.010	-10.310
41	30	20.275	3.658	28.166	1.066
42	30	21.542	2.966	28.829	6.854
43	60	4.752	4.637	19.728	-11.203
44	60	3.917	6.480	28.656	-18.461
45	0	20.794	3.139	29.578	5.098
46	330	20.390	2.822	27.994	9.043
47	300	15.926	2.477	22.464	6.970
48	270	21.802	3.485	31.968	8.294
49	240	19.238	3.917	30.730	3.744
50	180	9.850	6.221	28.397	-14.630
51	150	13.046	3.456	25.142	.662
52	120	19.210	3.542	28.656	5.962
53	90	21.283	3.312	31.133	8.208
54	120	20.016	2.822	26.611	10.426
55	150	9.677	2.362	18.490	2.506
56	90	12.240	3.283	20.851	-1.411
57	60	9.734	6.307	28.483	-14.746
58	30	17.885	2.477	25.229	6.134
59	0	12.672	1.037	16.214	8.122
60	0	19.008	2.275	26.410	10.598
61	30	10.570	5.098	29.203	-3.139
62	0	16.819	1.843	21.514	10.800
63	330	12.816	.778	15.178	10.138
64	300	16.070	1.699	20.448	10.771
65	270	18.749	3.917	28.195	5.386
66	240	15.898	2.765	23.990	7.661
67	210	10.454	1.411	14.918	6.480
68	150	9.302	3.514	20.246	-1.670

Table 8 Continued

WIND ENGINEERING OF THE PEACHTREE PLAZA HOTEL
ATLANTA, GEORGIA
MAXIMUM PEAK PRESSURE LOADS (PSF) BASED ON ALL WIND DIRECTIONS TESTED AND
THE OTHER VALUES ASSOCIATED WITH THE WIND DIRECTION AT WHICH THE MAXIMUM
PEAK OCCURRED,BASED ON A REFERENCE PRESSURE OF 28.8 PSF(50 YR. RECURRENCE)

TAP NUMBER	WIND DIRECTION	MEAN PRESSURE LOADS (PSF)	RMS PRESSURE LOADS (PSF)	MAXIMUM PRESSURE LOADS (PSF)	MINIMUM PRESSURE LOADS (PSF)
69	150	15.581	4.378	26.381	.778
70	90	18.374	3.571	28.598	6.509
71	90	18.461	3.629	27.936	6.048
72	120	17.050	3.859	30.816	5.414
73	90	9.389	4.781	22.982	-7.430
74	60	2.218	5.731	27.072	-19.814
75	30	7.056	6.048	27.302	-17.568
76	30	9.158	5.357	25.258	-6.134
77	30	11.520	5.098	25.603	-5.069
78	330	4.032	2.736	11.462	-4.694
79	0	1.238	2.333	8.755	-7.200
80	330	12.874	4.090	24.250	.835
81	300	17.856	4.435	30.384	4.406
82	270	15.264	4.349	26.611	1.757
83	240	11.606	4.867	28.742	-3.802
84	210	8.323	4.464	22.723	-3.802
85	150	-.230	5.645	19.555	-26.266
86	150	11.290	4.579	29.866	-9.158
87	90	15.552	3.773	26.957	2.995
88	90	15.638	3.744	26.582	3.312
89	90	14.890	4.061	28.512	2.534
90	90	6.048	5.011	21.226	-21.542
91	60	-7.430	4.752	9.187	-27.043
92	210	-12.240	5.789	2.966	-44.726
93	300	.374	4.378	17.280	-10.368
94	330	5.731	2.678	15.811	-2.390
95	0	-2.678	2.304	9.504	-11.002
96	150	-24.970	8.698	6.278	-65.088
97	0	2.304	3.658	20.794	-12.758
98	300	11.750	4.320	25.258	.058
99	270	11.174	4.378	25.027	-2.304
100	240	7.402	5.357	24.048	-5.962
101	210	3.686	3.946	21.542	-8.698
102	150	-4.435	3.629	13.997	-15.034

Table 8 Continued

WIND ENGINEERING OF THE PEACHTREE PLAZA HOTEL
ATLANTA, GEORGIA
MAXIMUM PEAK PRESSURE LOADS (PSF) BASED ON ALL WIND DIRECTIONS TESTED AND THE OTHER VALUES ASSOCIATED WITH THE WIND DIRECTION AT WHICH THE MAXIMUM PEAK OCCURRED.BASED ON A REFERENCE PRESSURE OF 28.8 PSF(50 YR. RECURRENCE)

TAP NUMBER	WIND DIRECTION	MEAN PRESSURE LOADS (PSF)	RMS PRESSURE LOADS (PSF)	MAXIMUM PRESSURE LOADS (PSF)	MINIMUM PRESSURE LOADS (PSF)
103	150	6.854	4.032	24.307	-3.485
104	90	10.829	4.666	25.574	-2.736
105	90	11.261	4.579	26.381	-1.786
106	90	9.331	4.810	27.562	-3.254
107	90	5.040	5.414	24.134	-13.882
108	210	-6.653	4.003	85.421	-32.544
109	210	-5.875	2.707	.922	-22.723
110	240	-8.237	6.566	14.630	-32.342
111	0	-.720	2.506	9.302	-8.122
112	30	-6.048	2.650	10.195	-14.890
113	300	6.307	4.234	19.382	-7.114
114	330	-2.448	2.448	10.483	-13.392
115	300	3.197	2.650	15.926	-5.645
116	270	5.184	2.966	15.696	-2.678
117	270	5.270	2.794	17.597	-1.843
118	240	1.642	3.110	17.885	-12.499
119	210	1.987	2.621	15.638	-3.542
120	120	4.723	3.110	19.498	-3.629
121	120	5.414	3.283	19.325	-3.312
122	120	7.459	2.851	17.856	.058
123	120	4.349	2.851	15.610	-4.723
124	120	-1.584	3.456	12.845	-14.083
125	0	-4.493	3.053	8.093	-15.091
126	120	2.822	2.506	13.680	-6.912
127	120	-2.333	2.189	9.302	-10.022
128	90	-3.398	3.485	18.835	-23.242
129	120	-4.925	3.226	16.301	-27.101
130	120	-.662	2.074	13.766	-20.448
131	120	-4.061	2.966	14.458	-25.632
132	0	-5.587	4.262	13.882	-20.390
133	120	-5.357	4.262	18.432	-33.638
134	120	.605	3.283	20.592	-22.982
135	120	-2.016	3.629	21.082	-31.709

Table 9

WIND ENGINEERING OF THE PEACHTREE PLAZA HOTEL
ATLANTA, GEORGIA
MINIMUM MEAN PRESSURE LOADS (PSF) BASED ON ALL WIND DIRECTIONS TESTED AND THE OTHER VALUES ASSOCIATED WITH THE WIND DIRECTION AT WHICH THE MINIMUM MEAN OCCURRED,BASED ON A REFERENCE PRESSURE OF 29.8 PSF(50 YR. RECURRENCE)

TAP NUMBER	WIND DIRECTION	MEAN PRESSURE LOADS (PSF)	RMS PRESSURE LOADS (PSF)	MAXIMUM PRESSURE LOADS (PSF)	MINIMUM PRESSURE LOADS (PSF)
1	120	-34.416	2.736	-21.226	-42.048
2	330	-27.562	2.189	-19.354	-34.358
3	120	-35.683	3.024	-22.608	-45.706
4	330	-34.416	2.419	-23.098	-41.414
5	270	-44.986	2.506	-35.050	-52.646
6	270	-44.928	2.448	-34.819	-52.301
7	90	-38.851	2.621	-26.554	-47.059
8	90	-44.006	2.851	-32.746	-51.754
9	90	-53.222	4.061	-37.066	-65.290
10	90	-41.731	3.859	-24.998	-55.958
11	90	-34.445	6.250	-11.578	-47.808
12	270	-36.691	2.477	-26.698	-44.726
13	0	-25.402	2.189	-17.050	-33.206
14	330	-38.794	2.362	-28.915	-46.368
15	300	-38.448	2.160	-29.693	-44.266
16	270	-40.061	2.736	-30.125	-49.277
17	90	-32.285	2.160	-24.106	-40.205
18	60	-30.442	3.917	-14.371	-41.587
19	270	-25.517	2.563	-16.589	-34.099
20	270	-24.854	2.160	-15.293	-32.861
21	300	-23.501	1.440	-19.382	-29.318
22	270	-25.517	2.506	-16.157	-40.666
23	120	-38.592	11.318	-17.078	-73.440
24	300	-45.994	3.226	-34.934	-56.419
25	90	-40.579	4.234	-25.891	-59.587
26	90	-39.859	3.456	-26.208	-52.013
27	90	-43.171	4.867	-23.213	-58.954
28	90	-32.861	7.344	-2.246	-50.170
29	270	-37.814	2.592	-28.915	-48.298
30	240	-29.318	3.110	-13.882	-41.098
31	330	-35.338	2.707	-26.986	-44.899
32	300	-42.394	2.794	-32.746	-52.387
33	270	-39.744	2.822	-29.981	-48.701
34	90	-30.154	2.506	-22.349	-38.736

Table 9 Continued

WIND ENGINFERING OF THE PEACHTREE PLAZA HOTEL
ATLANTA, GEORGIA
MINIMUM MEAN PRESSURE LOADS (PSF) BASED ON ALL WIND DIRECTIONS TESTED AND THE OTHER VALUES ASSOCIATED WITH THE WIND DIRECTION AT WHICH THE MINIMUM MEAN OCCURRED,BASED ON A REFFRENCE PRESSURE OF 28.8 PSF(50 YR. RECURRENCE)

TAP NUMBER	WIND DIRECTION	MEAN PRESSURE LOADS (PSF)	RMS PRESSURE LOADS (PSF)	MAXIMUM PRESSURE LOADS (PSF)	MINIMUM PRESSURE LOADS (PSF)
35	60	-25.488	4.522	-8.150	-44.669
36	300	-22.781	1.670	-17.194	-30.038
37	330	-22.723	1.469	-18.461	-27.504
38	300	-21.830	1.613	-15.754	-28.310
39	300	-22.234	1.613	-16.733	-29.030
40	120	-39.715	12.326	-14.918	-80.294
41	90	-46.282	6.883	-24.106	-80.064
42	90	-42.250	4.694	-22.896	-60.912
43	90	-36.576	3.715	-20.419	-51.091
44	90	-41.616	5.645	-22.349	-59.126
45	90	-28.656	8.582	-2.534	-53.021
46	270	-34.070	3.283	-23.126	-45.014
47	240	-22.003	3.398	-10.368	-33.178
48	120	-21.686	2.390	-14.803	-31.997
49	300	-32.544	2.045	-25.949	-38.909
50	270	-33.811	2.966	-23.760	-44.035
51	240	-21.485	2.822	-11.174	-32.602
52	210	-20.592	4.378	-8.179	-39.888
53	300	-20.592	1.987	-10.570	-27.965
54	300	-15.264	1.642	-11.146	-25.690
55	270	-13.594	1.066	-9.965	-17.482
56	210	-14.198	3.629	-3.312	-29.866
57	120	-43.603	11.376	-16.704	-78.509
58	90	-28.800	6.077	-10.397	-48.816
59	270	-16.243	1.699	-6.278	-21.254
60	90	-30.931	4.464	-14.198	-44.899
61	90	-41.270	6.077	-7.315	-64.656
62	120	-15.869	3.254	-8.842	-33.523
63	270	-14.544	1.699	-7.920	-20.016
64	120	-19.498	2.765	-10.973	-33.638
65	330	-26.381	2.563	-17.885	-36.029
66	150	-10.253	3.197	-2.419	-30.557
67	120	-8.755	1.555	-4.147	-14.774
68	90	-22.464	2.189	-15.552	-30.960

Table 9 Continued

WIND ENGINEERING OF THE PEACHTREE PLAZA HOTEL
ATLANTA, GEORGIA
MINIMUM MEAN PRESSURE LOADS (PSF) BASED ON ALL WIND DIRECTIONS TESTED AND THE OTHER VALUES ASSOCIATED WITH THE WIND DIRECTION AT WHICH THE MINIMUM MEAN OCCURRED,BASED ON A REFERENCE PRESSURE OF 28.8 PSF(50 YR. RECURRENCE)

TAP NUMBER	WIND DIRECTION	MEAN PRESSURE LOADS (PSF)	RMS PRESSURE LOADS (PSF)	MAXIMUM PRESSURE LOADS (PSF)	MINIMUM PRESSURE LOADS (PSF)
69	30	-25.661	4.925	-11.750	-47.088
70	0	-24.854	5.213	-5.299	-45.619
71	0	-24.854	4.781	-12.125	-48.355
72	0	-25.344	4.637	-12.845	-46.541
73	0	-24.480	4.896	-6.509	-52.301
74	120	-42.509	8.726	-14.458	-83.894
75	90	-49.277	10.512	-20.131	-85.162
76	90	-41.760	6.970	-19.699	-69.408
77	90	-38.966	6.394	-13.594	-56.045
78	90	-37.296	6.854	-11.837	-64.598
79	120	-27.965	6.710	-9.130	-55.469
80	270	-27.936	3.629	-16.906	-38.794
81	150	-26.381	7.690	-7.805	-76.406
82	0	-28.858	5.414	-13.363	-48.730
83	150	-28.771	7.661	-6.422	-52.819
84	120	-36.691	6.451	-14.746	-58.176
85	90	-29.952	3.341	-19.238	-44.323
86	210	-26.554	6.739	1.728	-49.536
87	0	-24.538	5.818	-2.707	-46.742
88	0	-25.488	6.192	-.662	-49.910
89	0	-23.962	5.904	-5.126	-51.437
90	0	-25.805	7.776	-8.467	-63.216
91	120	-37.354	10.022	-11.952	-77.645
92	90	-47.491	10.224	-19.152	-83.318
93	90	-38.218	7.488	-16.618	-65.664
94	90	-36.288	6.250	-18.029	-56.938
95	90	-33.667	7.085	-10.022	-61.949
96	120	-28.973	7.085	-1.757	-52.848
97	240	-26.237	5.818	-9.734	-45.446
98	120	-19.814	4.781	-1.555	-40.118
99	120	-24.624	6.394	-.605	-52.474
100	120	-26.957	4.493	-12.586	-45.850
101	120	-35.309	5.011	-20.765	-55.066
102	240	-28.541	4.752	-16.560	-47.174

Table 9 Continued

WIND ENGINEERING OF THE PEACHTREE PLAZA HOTEL
ATLANTA, GEORGIA
MINIMUM MEAN PRESSURE LOADS (PSF) BASED ON ALL WIND DIRECTIONS TESTED AND THE OTHER VALUES ASSOCIATED WITH THE WIND DIRECTION AT WHICH THE MINIMUM MEAN OCCURRED,BASED ON A REFERENCE PRESSURE OF 28.8 PSF(50 YR. RECURRENCE)

TAP NUMBER	WIND DIRECTION	MEAN PRESSURE LOADS (PSF)	RMS PRESSURE LOADS (PSF)	MAXIMUM PRESSURE LOADS (PSF)	MINIMUM PRESSURE LOADS (PSF)
103	240	-21.053	3.974	-10.339	-41.011
104	330	-23.357	2.794	-16.128	-39.197
105	330	-21.427	2.678	-13.450	-33.264
106	330	-21.802	2.736	-11.405	-35.280
107	330	-22.032	2.880	-12.413	-34.243
108	150	-35.626	13.766	-7.085	-84.701
109	90	-41.299	8.842	-19.008	-83.146
110	90	-34.301	6.883	-15.437	-65.578
111	90	-32.544	5.760	-16.704	-54.259
112	150	-20.189	6.250	-2.102	-53.597
113	120	-15.754	2.736	-3.226	-32.112
114	120	-13.421	4.118	-4.579	-37.987
115	120	-15.091	4.003	-6.768	-46.339
116	120	-12.384	1.613	-6.826	-38.650
117	120	-14.198	1.670	-9.475	-23.242
118	330	-14.890	2.102	-8.870	-25.344
119	300	-14.342	2.131	-4.406	-21.686
120	270	-17.971	1.555	-13.277	-25.603
121	300	-16.704	1.670	-12.038	-25.402
122	270	-16.042	1.555	-11.290	-23.443
123	270	-16.589	1.699	-11.203	-24.134
124	270	-17.222	1.757	-11.664	-24.854
125	120	-26.467	4.579	-11.549	-47.606
126	270	-13.738	1.670	-6.250	-21.226
127	270	-15.437	1.382	-11.434	-24.106
128	300	-19.123	2.102	-13.709	-30.211
129	300	-20.304	2.189	-14.400	-30.528
130	270	-14.285	1.411	-9.994	-21.715
131	270	-14.947	1.670	-9.648	-22.435
132	300	-22.003	3.024	-12.989	-36.317
133	300	-28.310	3.830	-15.725	-44.726
134	270	-16.474	2.707	-9.360	-28.368
135	300	-14.803	2.563	-6.998	-28.714

Table 10

WIND ENGINEERING OF THE PEACHTREE PLAZA HOTEL
ATLANTA, GEORGIA
MINIMUM PEAK PRESSURE LOADS (PSF) BASED ON ALL WIND DIRECTIONS TESTED AND THE OTHER VALUES ASSOCIATED WITH THE WIND DIRECTION AT WHICH THE MINIMUM PEAK OCCURRED, BASED ON A REFERENCE PRESSURE OF 28.8 PSF(50 YR. RECURRENCE)

TAP NUMBER	WIND DIRECTION	MEAN PRESSURE LOADS (PSF)	RMS PRESSURE LOADS (PSF)	MAXIMUM PRESSURE LOADS (PSF)	MINIMUM PRESSURE LOADS (PSF)
1	120	-34.416	2.736	-21.226	-42.048
2	120	-27.043	2.822	-18.230	-37.526
3	120	-35.683	3.024	-22.608	-45.706
4	120	-28.166	3.802	-16.070	-47.203
5	270	-44.986	2.506	-35.050	-52.646
6	270	-44.928	2.448	-34.819	-52.301
7	120	-35.971	3.571	-25.776	-51.667
8	90	-44.006	2.851	-32.746	-51.754
9	90	-53.222	4.061	-37.066	-65.290
10	90	-41.731	3.859	-24.998	-55.958
11	90	-34.445	6.250	-11.578	-47.808
12	270	-36.691	2.477	-26.698	-44.726
13	120	-24.653	2.534	-16.589	-33.523
14	330	-38.794	2.362	-28.915	-46.368
15	300	-38.448	2.160	-29.693	-44.266
16	120	-38.822	3.658	-24.912	-51.379
17	90	-32.285	2.160	-24.106	-40.205
18	270	-28.051	2.736	-21.629	-49.018
19	270	-25.517	2.563	-16.589	-34.099
20	30	-24.048	3.398	-3.312	-35.309
21	0	-18.518	2.506	-12.298	-34.330
22	270	-25.517	2.506	-16.157	-40.666
23	120	-38.592	11.318	-17.078	-73.440
24	90	-41.789	4.435	-21.773	-63.706
25	90	-40.579	4.234	-25.891	-59.587
26	90	-39.859	3.456	-26.208	-52.013
27	90	-43.171	4.867	-23.213	-58.954
28	120	-24.451	3.168	-16.128	-56.390
29	60	-28.886	5.328	-13.133	-51.120
30	240	-29.318	3.110	-13.882	-41.098
31	330	-35.338	2.707	-26.986	-44.899
32	300	-42.394	2.794	-32.746	-52.387
33	120	-36.058	3.686	-22.464	-52.330
34	240	-29.232	3.197	-19.123	-41.184

Table 10 Continued

WIND ENGINEERING OF THE PEACHTREE PLAZA HOTEL
ATLANTA, GEORGIA
MINIMUM PEAK PRESSURE LOADS (PSF) BASED ON ALL WIND DIRECTIONS TESTED AND THE OTHER VALUES ASSOCIATED WITH THE WIND DIRECTION AT WHICH THE MINIMUM PEAK OCCURRED.BASED ON A REFERENCE PRESSURE OF 28.8 PSF(50 YR. RECURRENCE)

TAP NUMBER	WIND DIRECTION	MEAN PRESSURE LOADS (PSF)	RMS PRESSURE LOADS (PSF)	MAXIMUM PRESSURE LOADS (PSF)	MINIMUM PRESSURE LOADS (PSF)
35	0	-19.584	3.686	-7.805	-50.054
36	0	-18.749	3.226	-6.163	-51.091
37	0	-18.115	2.822	-11.146	-42.422
38	0	-16.963	2.650	-8.813	-33.869
39	30	-21.312	3.514	-10.253	-38.016
40	120	-39.715	12.326	-14.918	-80.294
41	90	-46.282	6.883	-24.106	-80.064
42	90	-42.250	4.694	-22.896	-60.912
43	90	-36.576	3.715	-20.419	-51.091
44	90	-41.616	5.645	-22.349	-59.126
45	90	-28.656	8.582	-2.534	-53.021
46	120	-24.163	3.053	-15.523	-52.474
47	180	-14.371	5.011	-1.843	-40.637
48	180	-18.288	5.472	-2.880	-42.797
49	30	-15.552	2.966	-7.834	-39.082
50	270	-33.811	2.966	-23.760	-44.035
51	240	-21.485	2.822	-11.174	-32.602
52	210	-20.592	4.378	-8.179	-39.888
53	0	-20.563	4.954	-4.291	-64.397
54	0	-7.459	2.707	-.461	-27.446
55	210	-11.203	2.448	-4.118	-21.715
56	0	-10.742	3.398	-2.794	-32.227
57	0	-23.357	7.114	-7.718	-80.813
58	90	-28.800	6.077	-10.397	-48.816
59	270	-16.243	1.699	-6.278	-21.254
60	90	-30.931	4.464	-14.198	-44.899
61	90	-41.270	6.077	-7.315	-64.656
62	150	-15.149	3.139	-8.438	-41.126
63	270	-14.544	1.699	-7.920	-20.016
64	150	-13.853	3.110	-6.509	-42.106
65	30	-16.070	5.674	-2.650	-65.117
66	150	-10.253	3.197	-2.419	-30.557
67	120	-8.755	1.555	-4.147	-14.774
68	90	-22.464	2.189	-15.552	-30.960

Table 10 Continued

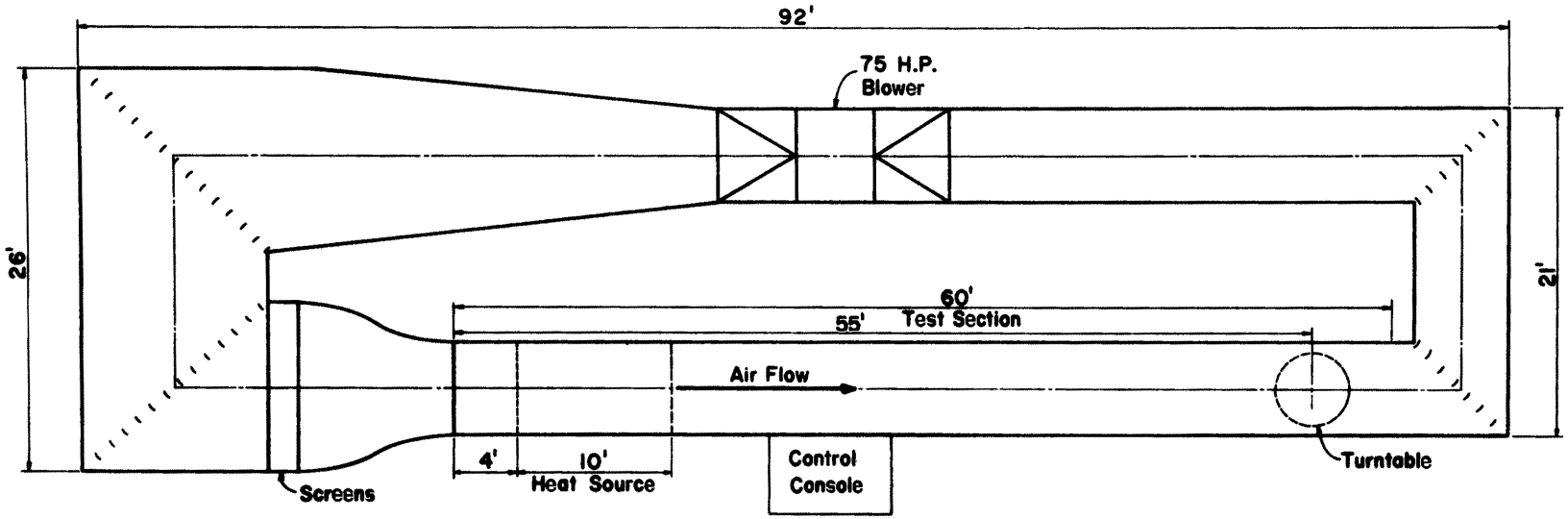
WIND ENGINEERING OF THE PEACHTREE PLAZA HOTEL
ATLANTA, GEORGIA
MINIMUM PEAK PRESSURE LOADS (PSF) BASED ON ALL WIND DIRECTIONS TESTED AND THE OTHER VALUES ASSOCIATED WITH THE WIND DIRECTION AT WHICH THE MINIMUM PEAK OCCURRED, BASED ON A REFERENCE PRESSURE OF 28.8 PSF(50 YR. RECURRENCE)

TAP NUMBER	WIND DIRECTION	MEAN PRESSURE LOADS (PSF)	RMS PRESSURE LOADS (PSF)	MAXIMUM PRESSURE LOADS (PSF)	MINIMUM PRESSURE LOADS (PSF)
69	0	-24.451	6.019	-8.352	-53.280
70	0	-24.854	5.213	-5.299	-45.619
71	0	-24.854	4.781	-12.125	-48.355
72	0	-25.344	4.637	-12.845	-46.541
73	0	-24.480	4.896	-6.509	-52.301
74	120	-42.509	8.726	-14.458	-83.894
75	90	-49.277	10.512	-20.131	-85.162
76	90	-41.760	6.970	-19.699	-69.408
77	90	-38.966	6.394	-13.594	-56.045
78	90	-37.296	6.854	-11.837	-64.598
79	150	-25.546	7.373	.662	-64.512
80	120	-26.525	6.221	-6.566	-65.376
81	150	-26.381	7.690	-7.805	-76.406
82	120	-26.813	5.126	-14.832	-68.054
83	150	-28.771	7.661	-6.422	-52.819
84	120	-36.691	6.451	-14.746	-58.176
85	0	-21.197	4.637	-5.501	-48.038
86	210	-26.554	6.739	1.728	-49.536
87	210	-16.963	4.637	-5.299	-46.771
88	0	-25.488	6.192	-.662	-49.910
89	0	-23.962	5.904	-5.126	-51.437
90	0	-25.805	7.776	-8.467	-63.216
91	150	-32.630	12.240	-8.640	-84.182
92	90	-47.491	10.224	-19.152	-83.318
93	90	-38.218	7.488	-16.618	-65.664
94	90	-36.288	6.250	-18.029	-56.938
95	150	-25.488	9.245	-4.176	-67.939
96	150	-24.970	8.698	6.278	-65.088
97	120	-23.587	6.250	-5.587	-46.339
98	150	-19.728	7.085	.144	-53.165
99	150	-24.019	7.402	-7.027	-55.670
100	120	-26.957	4.493	-12.586	-45.850
101	120	-35.309	5.011	-20.765	-55.066
102	240	-28.541	4.752	-16.560	-47.174

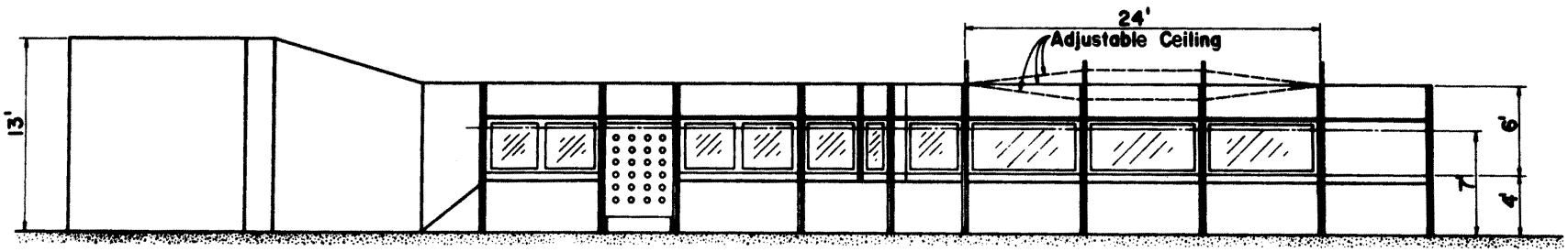
Table 10 Continued

WIND ENGINEERING OF THE PEACHTREE PLAZA HOTEL
ATLANTA, GEORGIA
MINIMUM PEAK PRESSURE LOADS (PSF) BASED ON ALL WIND DIRECTIONS TESTED AND THE OTHER VALUES ASSOCIATED WITH THE WIND DIRECTION AT WHICH THE MINIMUM PEAK OCCURRED,BASED ON A REFERENCE PRESSURE OF 28.8 PSF(50 YR. RECURRENCE)

TAP NUMBER	WIND DIRECTION	MEAN PRESSURE LOADS (PSF)	RMS PRESSURE LOADS (PSF)	MAXIMUM PRESSURE LOADS (PSF)	MINIMUM PRESSURE LOADS (PSF)
103	240	-21.053	3.974	-10.339	-41.011
104	0	-20.016	6.336	2.304	-49.046
105	0	-19.872	5.904	1.123	-47.693
106	0	-15.840	6.134	-1.123	-42.682
107	0	-21.571	7.834	-5.213	-69.350
108	150	-35.626	13.766	-7.085	-84.701
109	120	-35.914	8.640	-14.198	-90.950
110	120	-31.277	6.422	-14.486	-74.880
111	150	-23.155	7.949	-4.291	-57.168
112	150	-20.189	6.250	-2.102	-53.597
113	150	-12.672	4.349	-.922	-35.626
114	150	-12.413	4.982	3.715	-45.245
115	120	-15.091	4.003	-6.768	-46.339
116	120	-12.384	1.613	-6.826	-38.650
117	120	-14.198	1.670	-9.475	-23.242
118	300	-14.630	2.506	-6.854	-26.237
119	300	-14.342	2.131	-4.406	-21.686
120	270	-17.971	1.555	-13.277	-25.603
121	300	-16.704	1.670	-12.038	-25.402
122	270	-16.042	1.555	-11.290	-23.443
123	270	-16.589	1.699	-11.203	-24.134
124	330	-16.618	2.390	-8.208	-29.347
125	150	-22.954	5.558	-8.698	-50.918
126	270	-13.738	1.670	-6.250	-21.226
127	0	-4.810	2.390	8.842	-35.798
128	300	-19.123	2.102	-13.709	-30.211
129	300	-20.304	2.189	-14.400	-30.528
130	270	-14.285	1.411	-9.994	-21.715
131	120	-4.061	2.966	14.458	-25.632
132	300	-22.003	3.024	-12.989	-36.317
133	300	-28.310	3.830	-15.725	-44.726
134	270	-16.474	2.707	-9.360	-28.368
135	120	-2.016	3.629	21.082	-31.709



PLAN



ELEVATION

Figure 1 Industrial Areodynamics Wind Tunnel

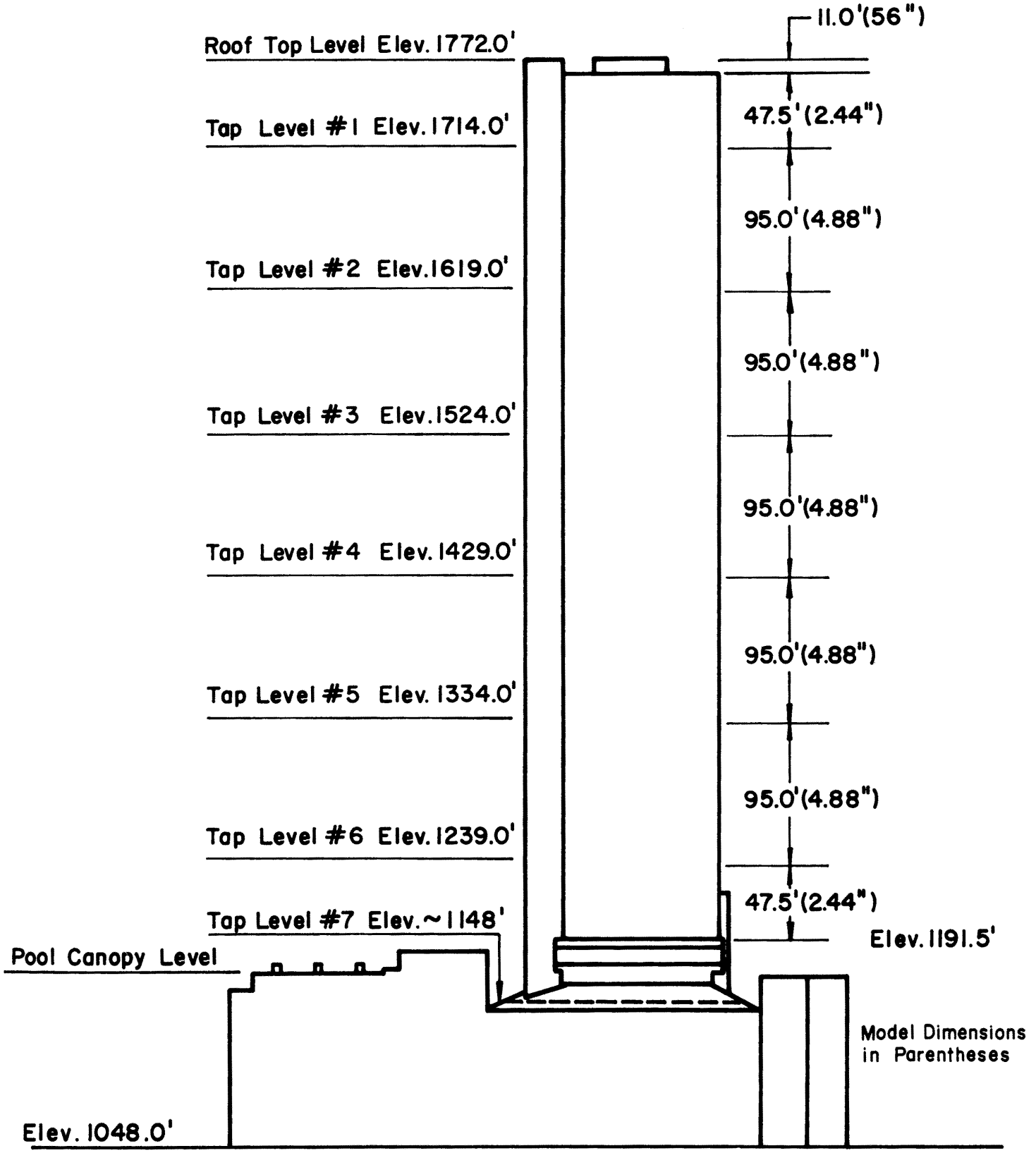


Figure 2a Pressure Tap Locations

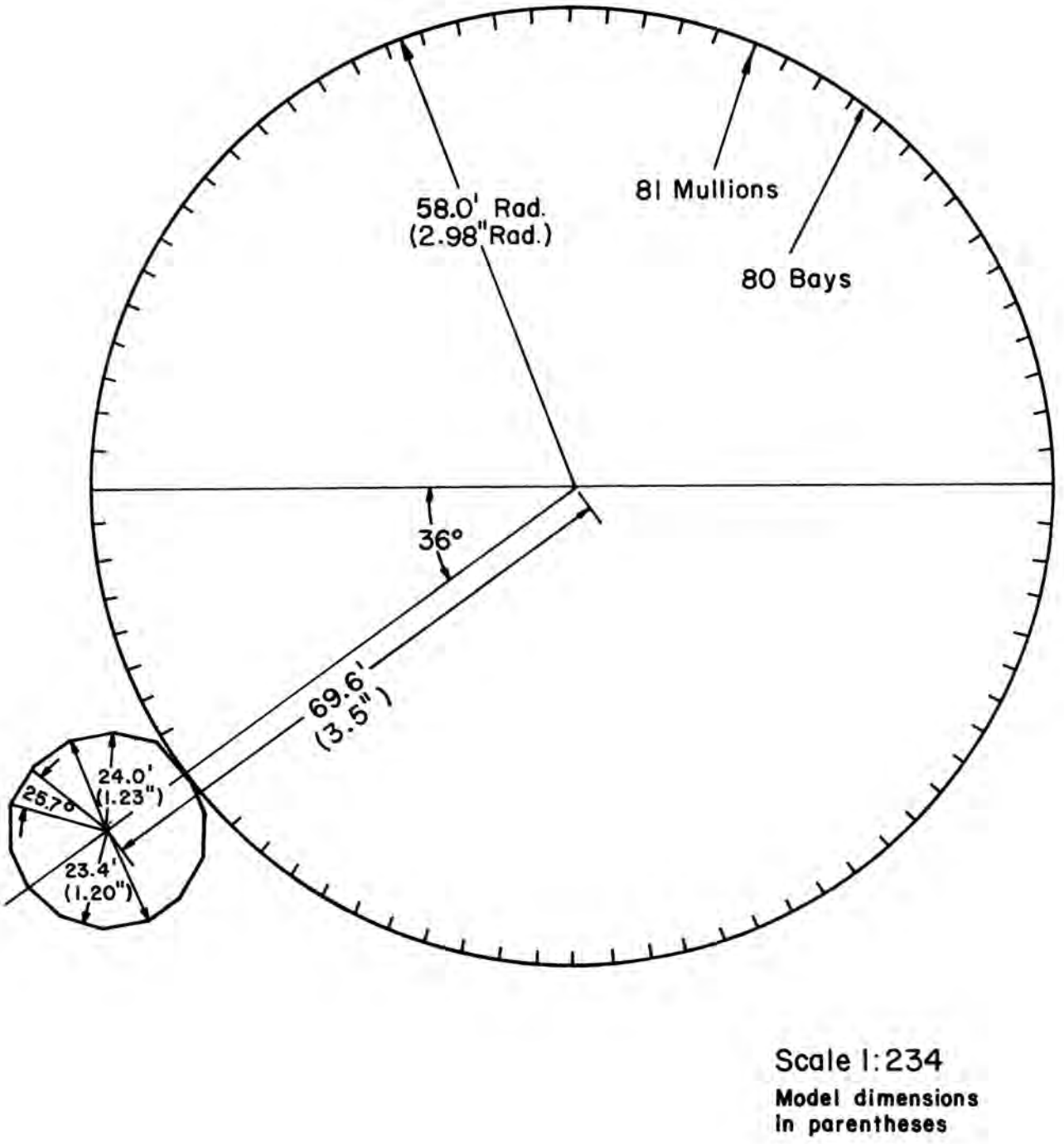
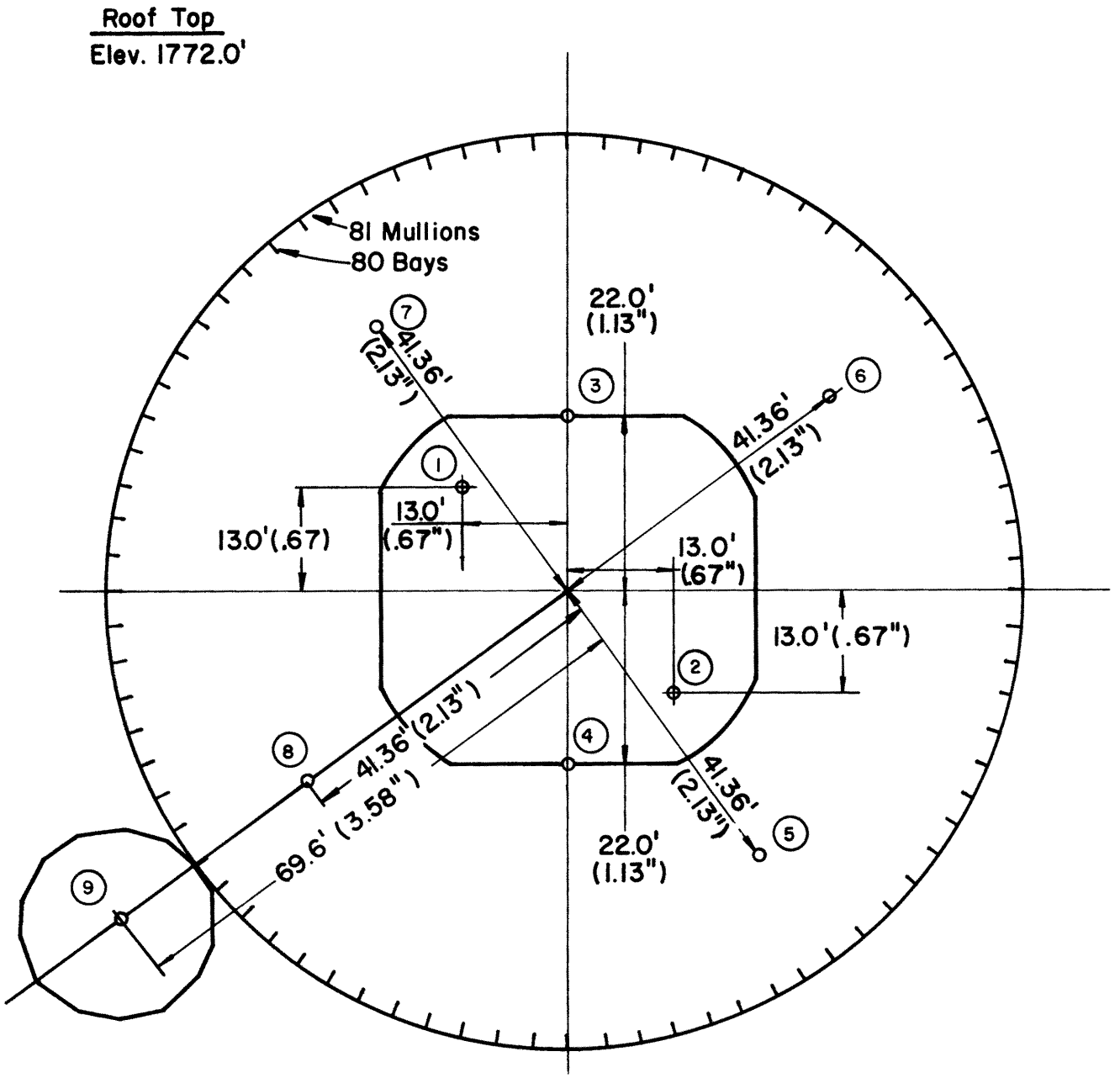


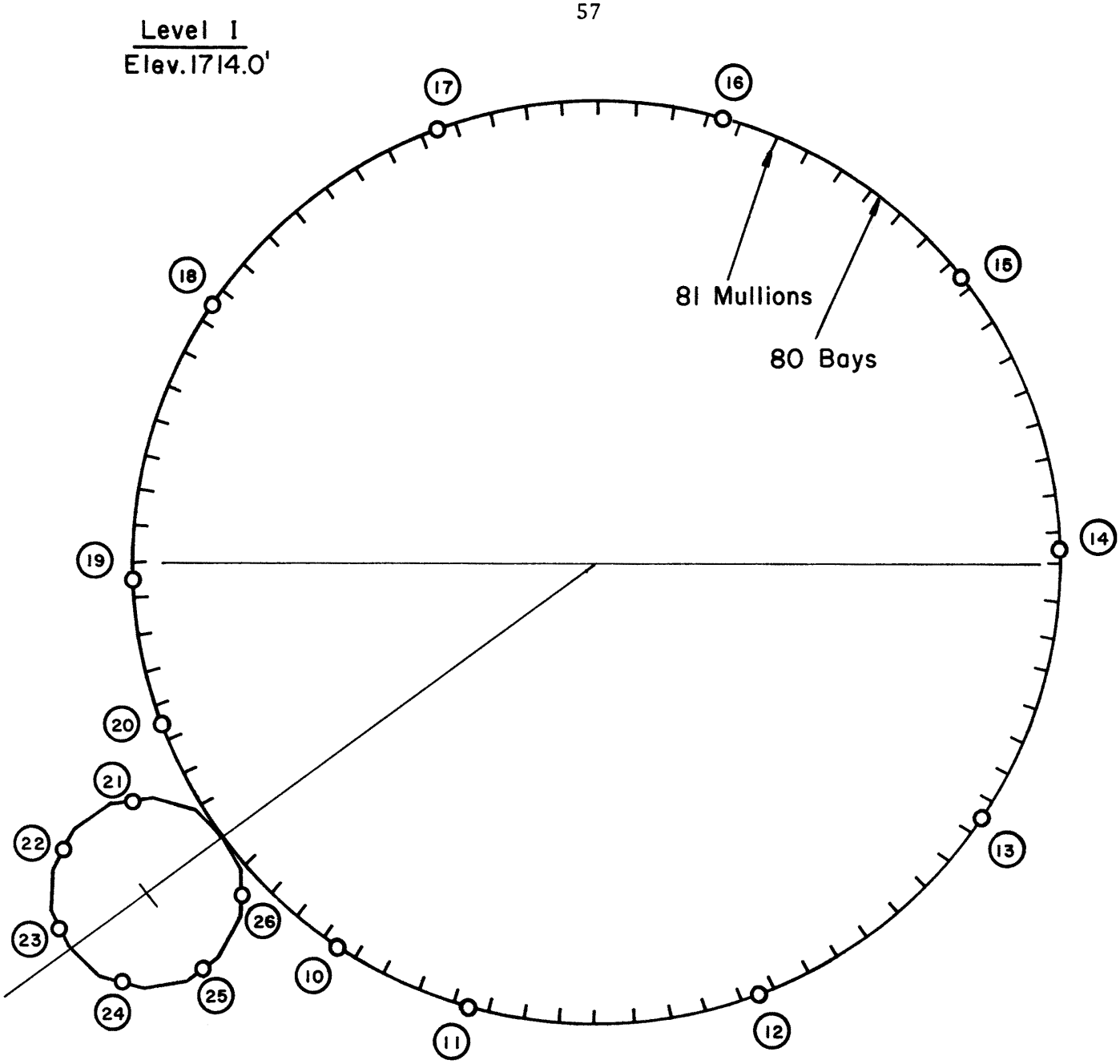
Figure 2b Pressure Tap Locations



Tap	Dist. Below Roof Level	Elevation
3	5.5'(0.28")	1766.5'
4	5.5'(0.28")	1766.5'
5	11.0'(0.56")	1761.0'
6	11.0'(0.56")	1761.0'
7	11.0'(0.56")	1761.0'
8	11.0 (0.56")	1761.0'

Scale 1:234
Tap - o
Model Dimensions
in Parentheses

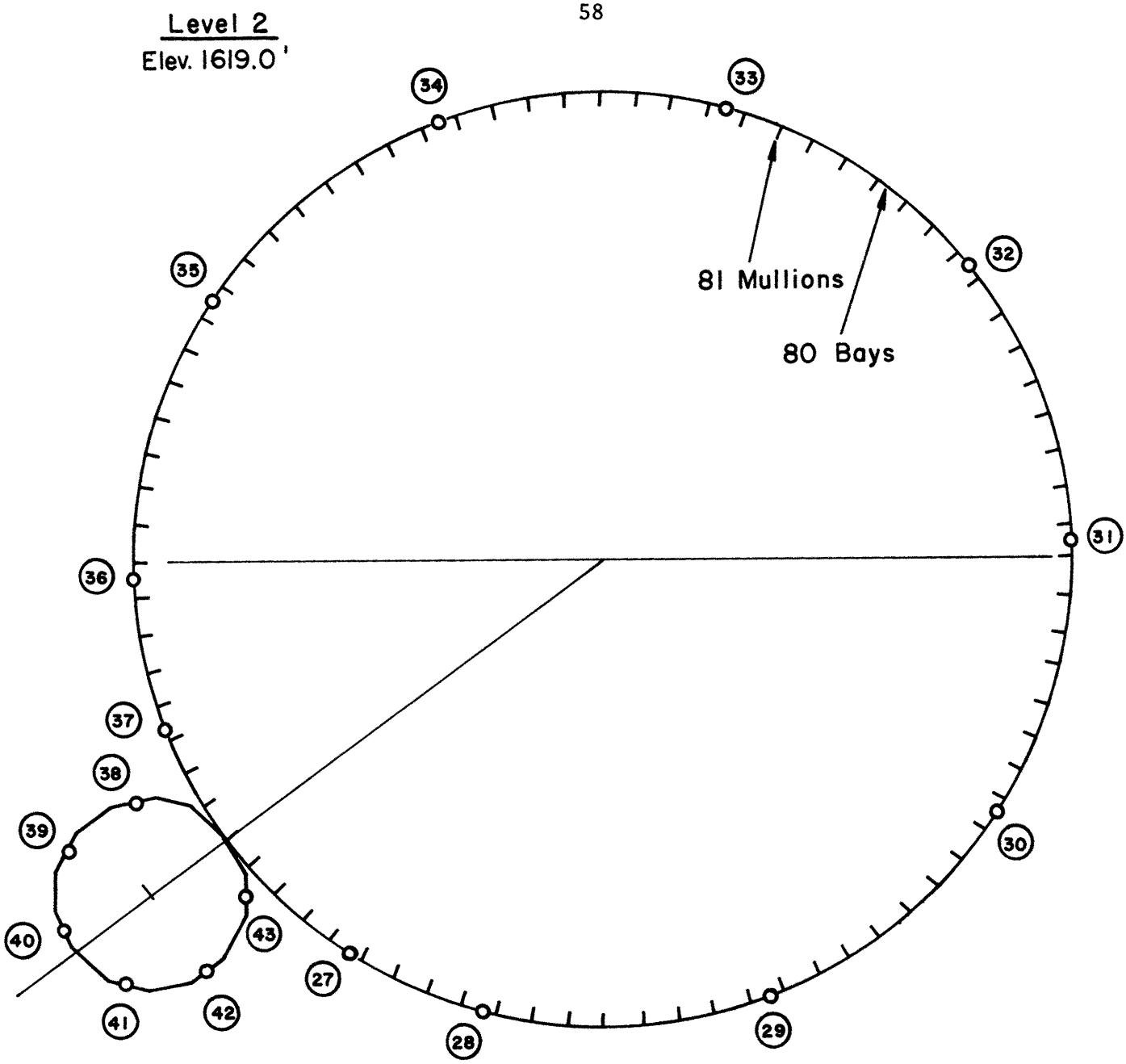
Figure 2c Pressure Tap Locations



Tap	Dist. Below Level 1	Elevation
26	0'(0")	1714.0'
25	4.9'(0.25")	1709.1'
24	9.8'(0.50")	1704.2'
23	14.7'(0.75")	1699.3'
22	19.6'(1.00")	1694.4'
21	24.5'(1.25")	1689.5'

Scale 1:234
Tap – O
Model dimensions in parentheses

Figure 2d Pressure Tap Locations



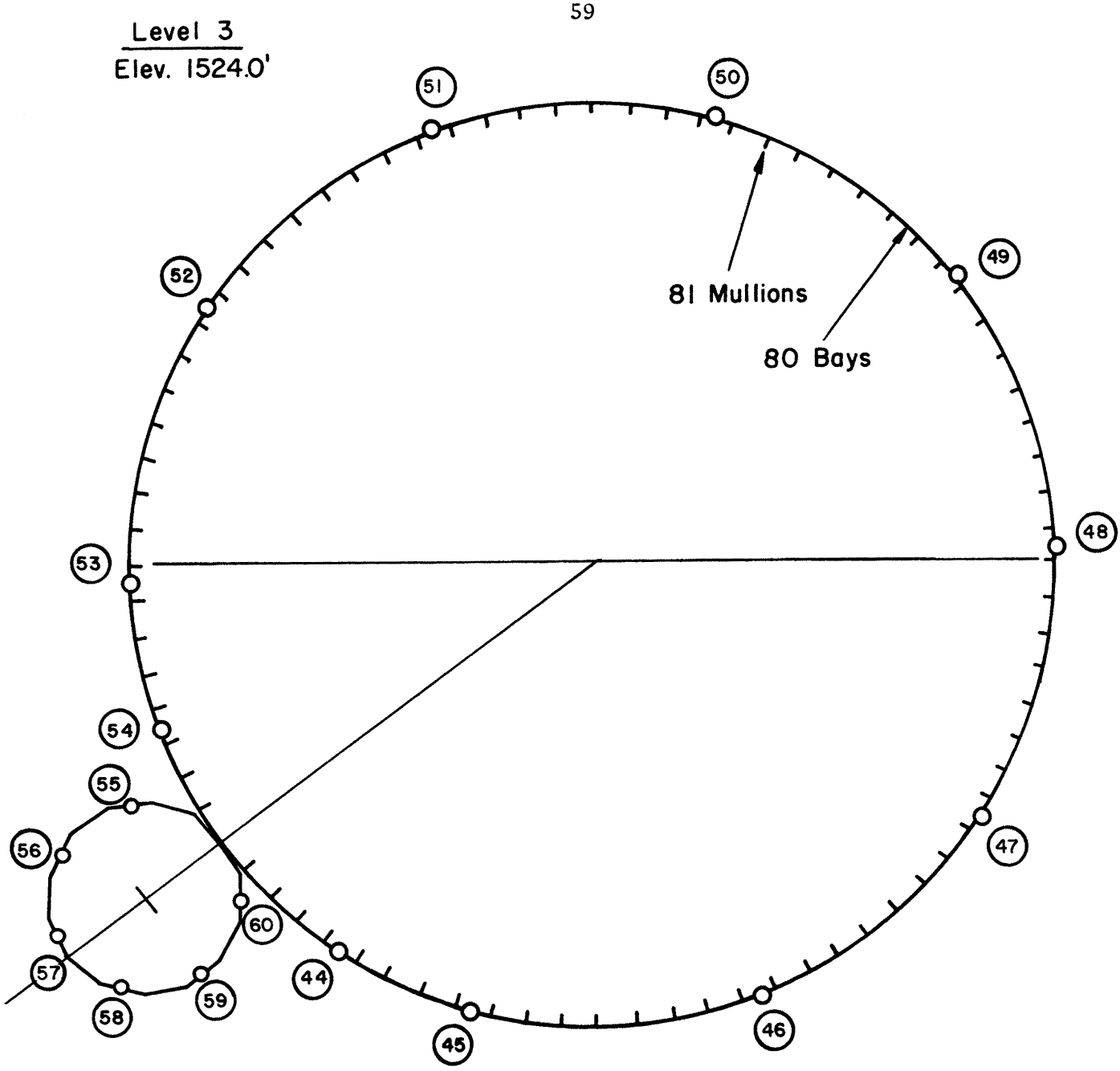
Tap	Dist. Below Level 2	Elevation
43	0'(0")	1619.0'
42	4.9'(0.25")	1614.1'
41	9.8'(0.50")	1609.2'
40	14.7'(0.75")	1604.3'
39	19.6'(1.00")	1599.4'
38	24.5'(1.25")	1594.5'

Scale 1:234

Tap-o

Model dimensions in parentheses

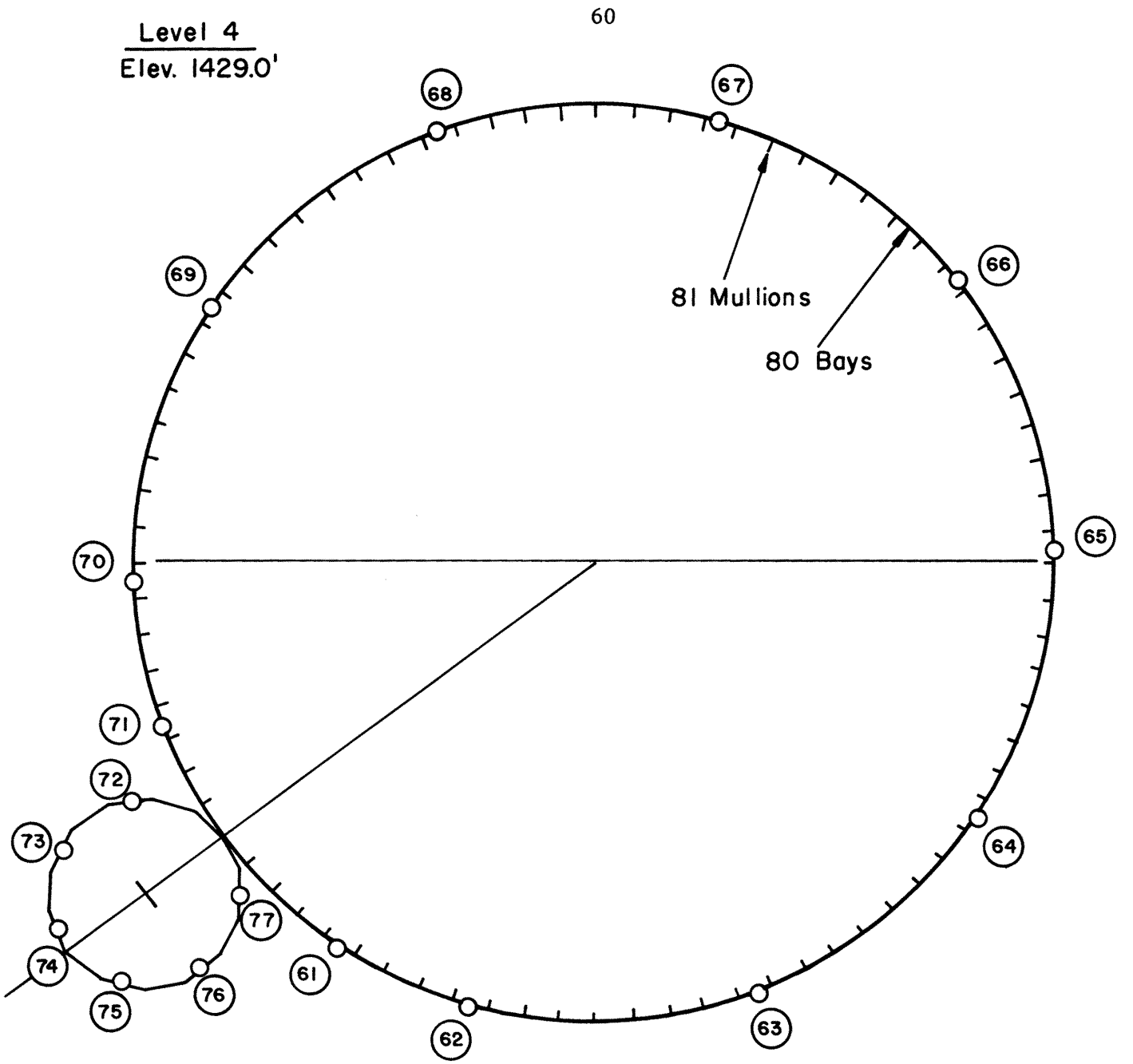
Figure 2e Pressure Tap Locations



Tap	Dist. Below Level 3	Elevation
60	0'(0")	1524.0'
59	4.9'(0.25")	1519.1'
58	9.8'(0.50")	1514.2'
57	14.7'(0.75")	1509.3'
56	19.6'(1.00")	1504.4'
55	24.5'(1.25")	1499.5'

Scale 1:234
Tap-O
Model dimensions in parentheses

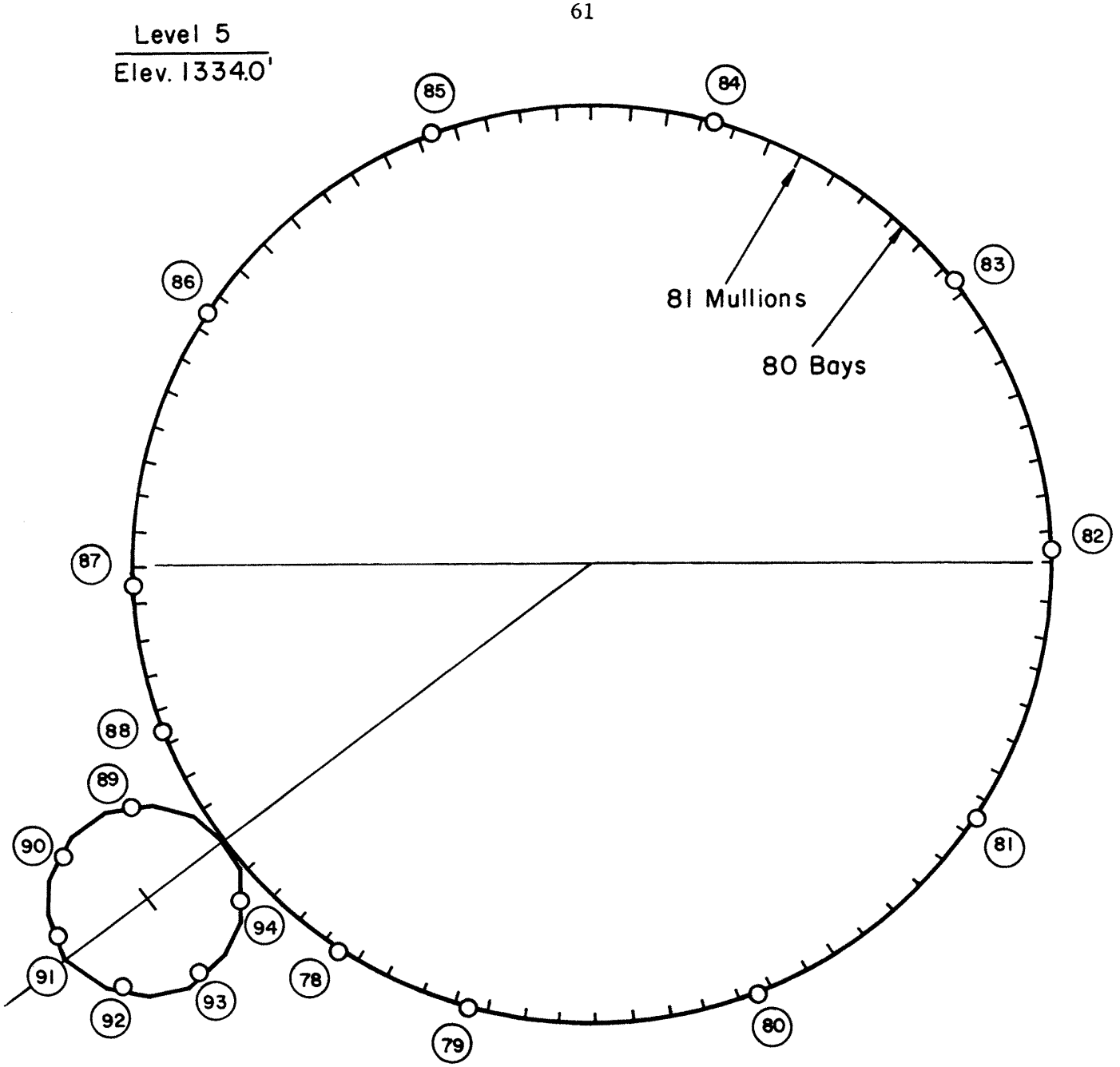
Figure 2f Pressure Tap Locations



Tap	Dist. Below Level 4	Elevation
77	0'(0")	1429.0'
76	4.9'(0.25")	1424.1'
75	9.8'(0.50")	1419.2'
74	14.7'(0.75")	1414.3'
73	19.6'(1.00")	1409.4'
72	24.5'(1.25")	1404.5'

Scale 1:234
Tap—O
Model dimensions in parentheses

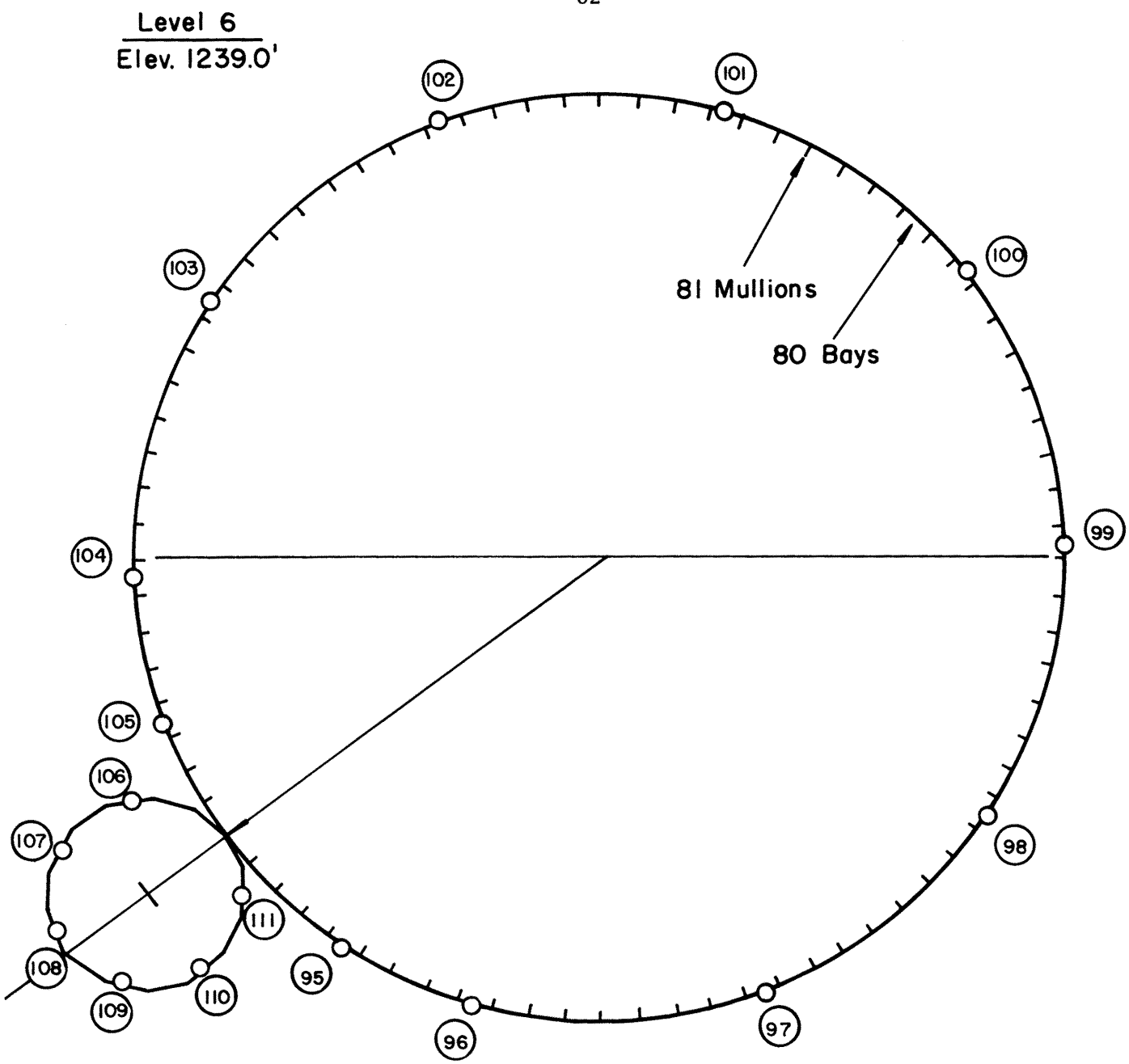
Figure 2g Pressure Tap Locations



Tap	Dist. Below Level 5	Elevation
94	0'(0")	1334.0'
93	4.9'(0.25")	1329.1'
92	9.8'(0.50")	1324.2'
91	14.7'(0.75")	1319.3'
90	19.6'(1.00")	1314.4'
89	24.5'(1.25")	1309.5'

Scale 1:234
Tap-O
Model dimensions in parentheses

Figure 2h Pressure Tap Locations



Tap	Dist. Below Level 6	Elevation
111	0'(0")	1239.0'
110	4.9'(0.25")	1234.1'
109	9.8'(0.50")	1229.2'
108	14.7'(0.75")	1224.3'
107	19.6'(1.00")	1219.4'
106	24.5'(1.25")	1214.5'

Scale 1:234
Tap -O
Model dimensions in parentheses

Figure 2i Pressure Tap Locations

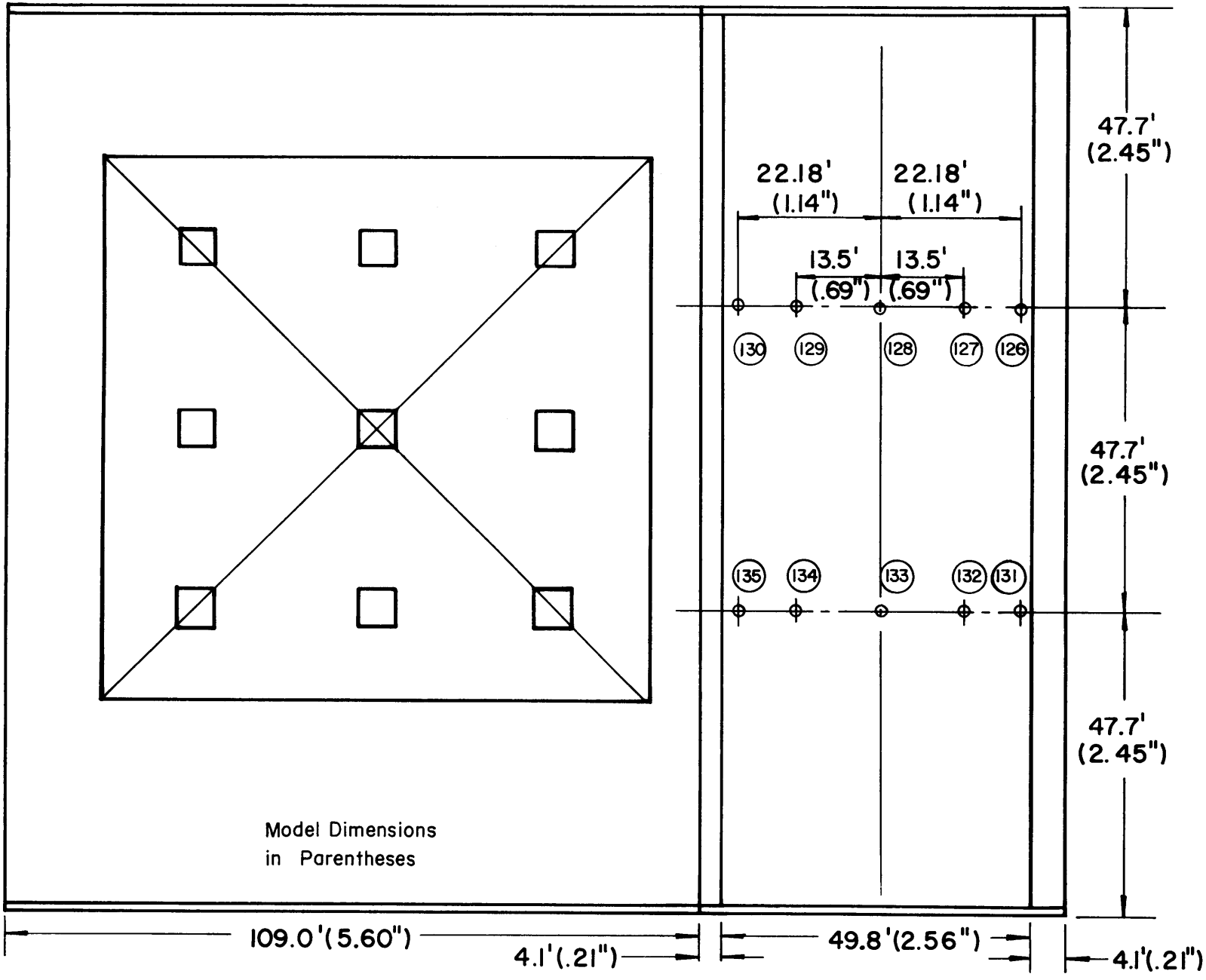


Figure 2j Pressure Tap Locations

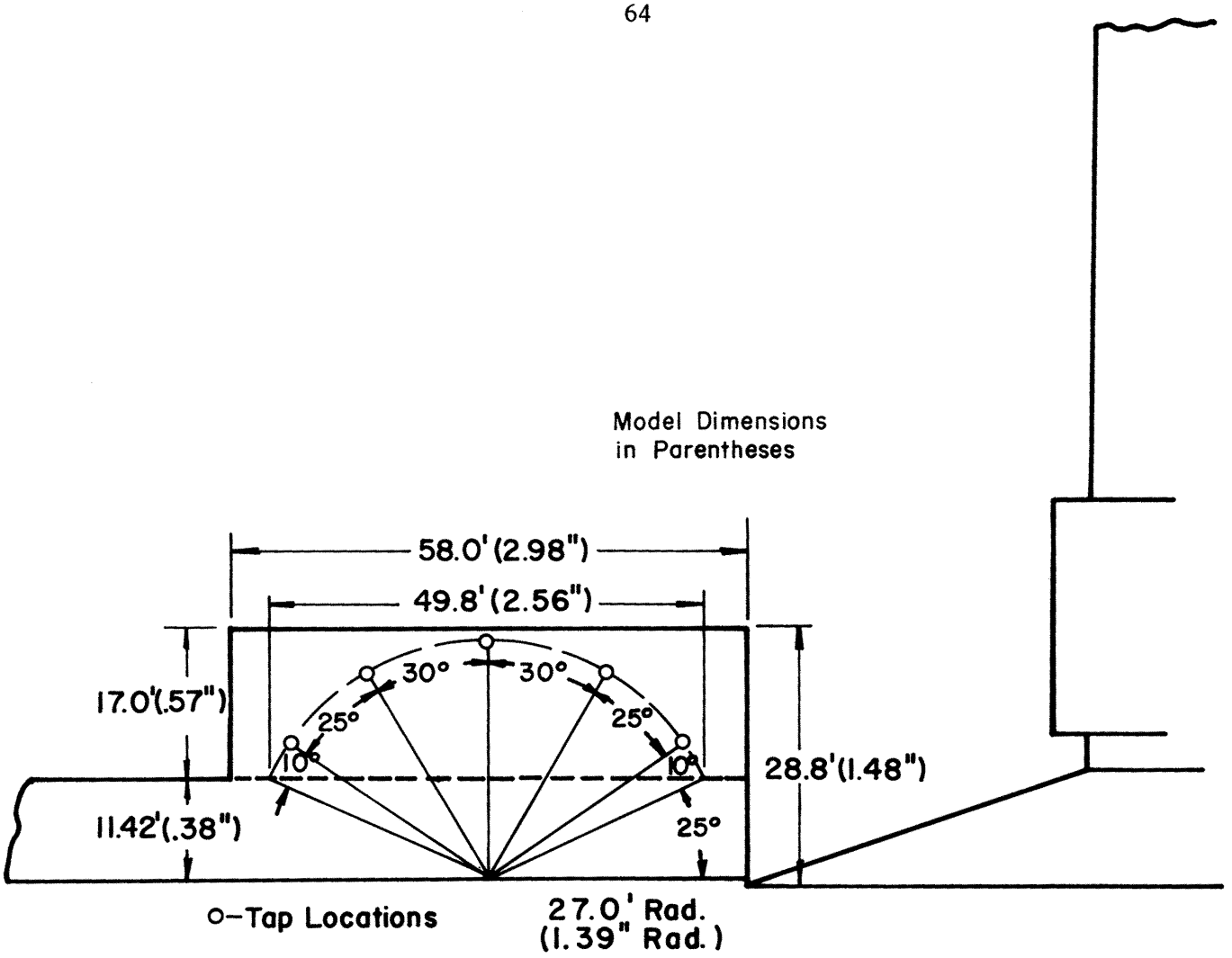
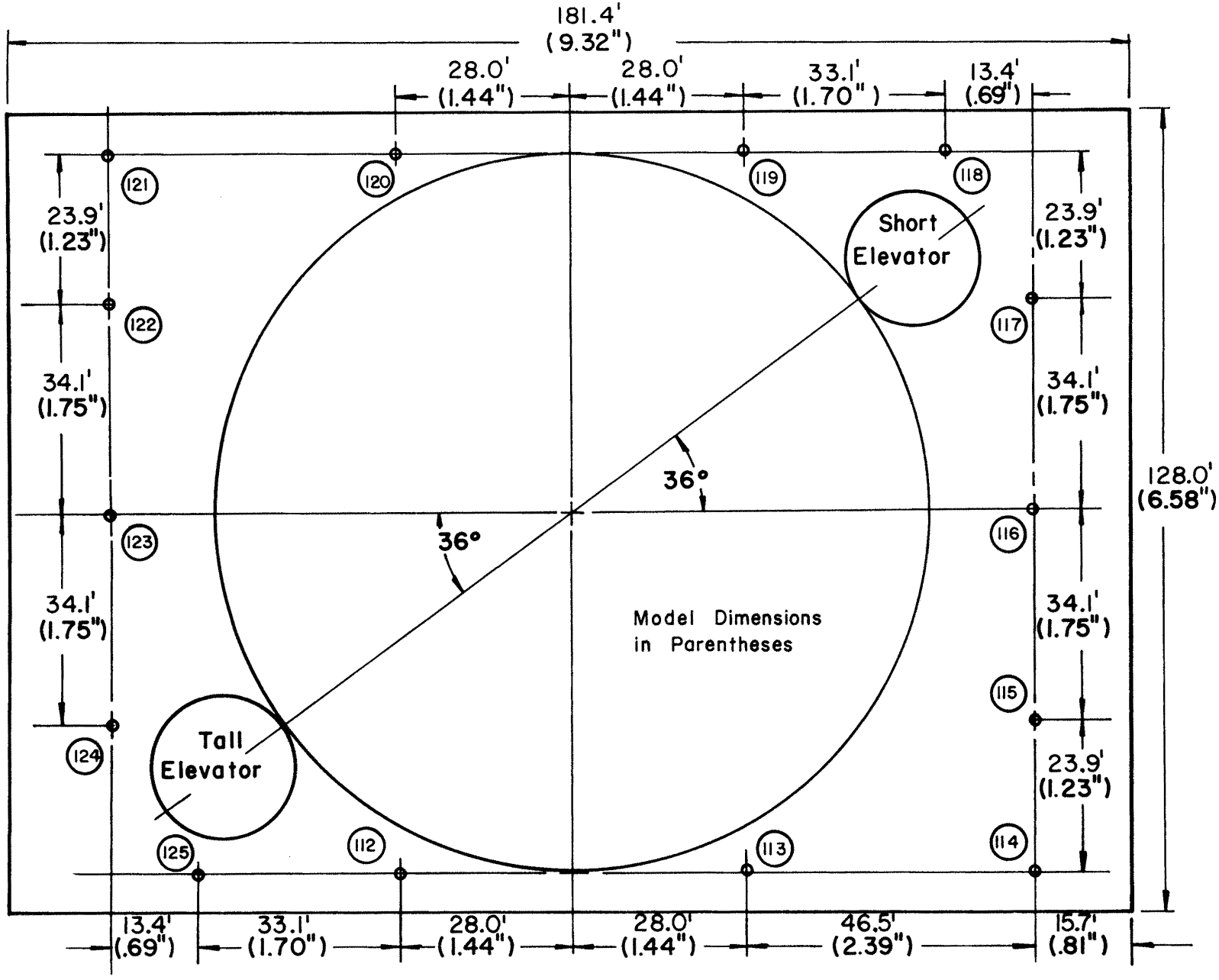


Figure 2k Pressure Tap Locations



Tap Level # 7, Elev.~ 1148', Taps 112, 113, 119, 120, are Slightly Higher

Figure 2ℓ Pressure Tap Locations

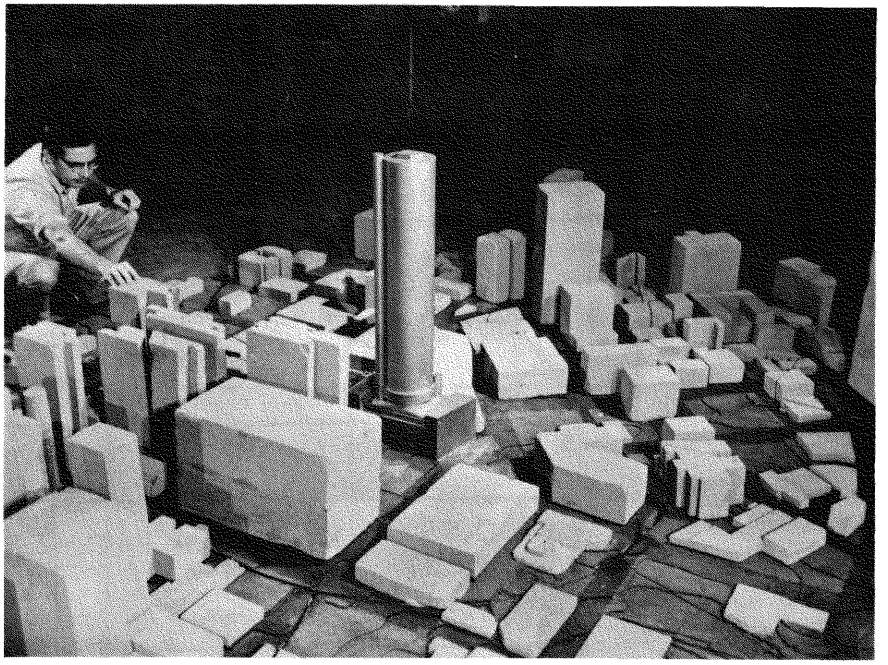


Figure 3 Completed Model

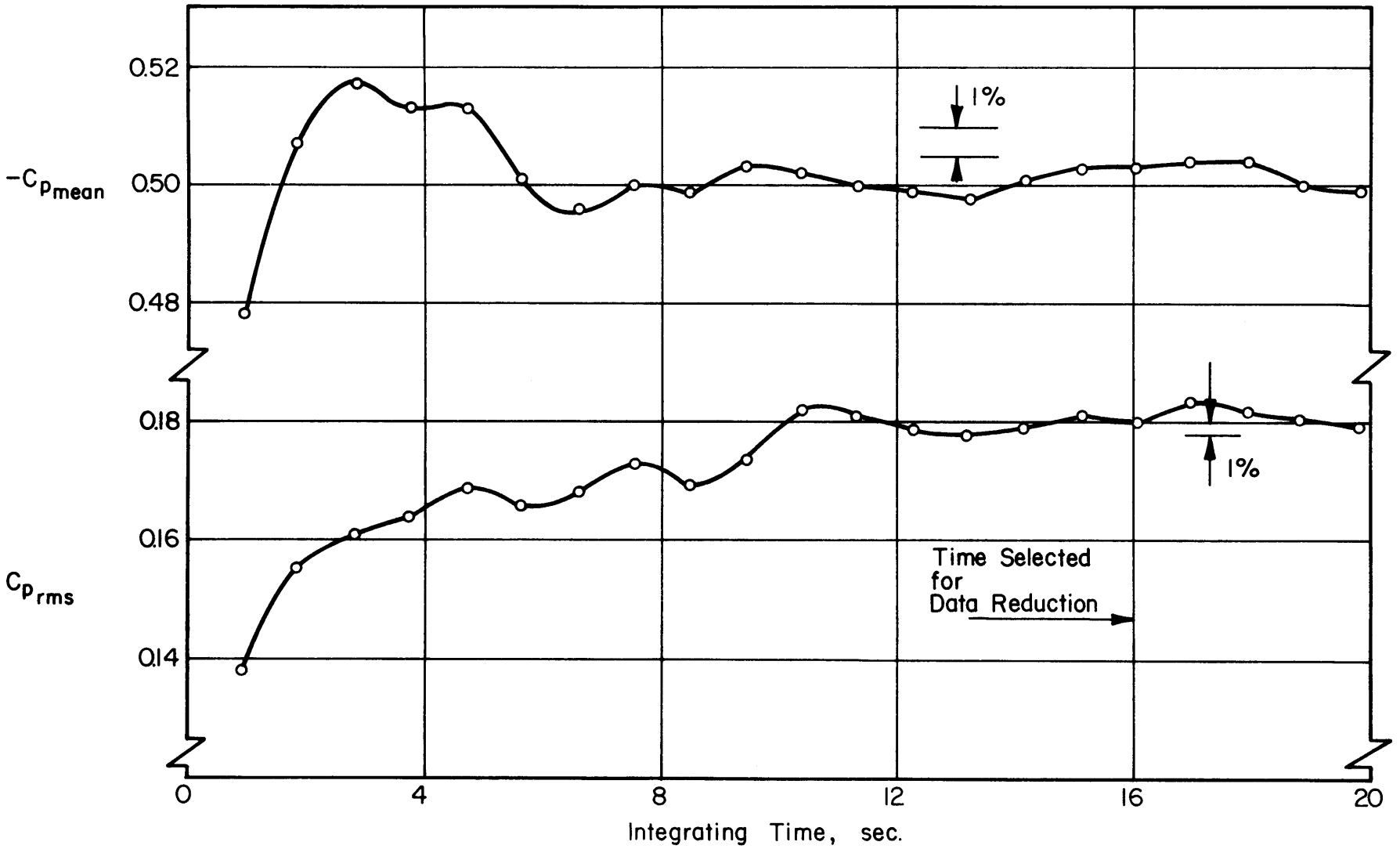


Figure 4 Data Sampling Time Verification

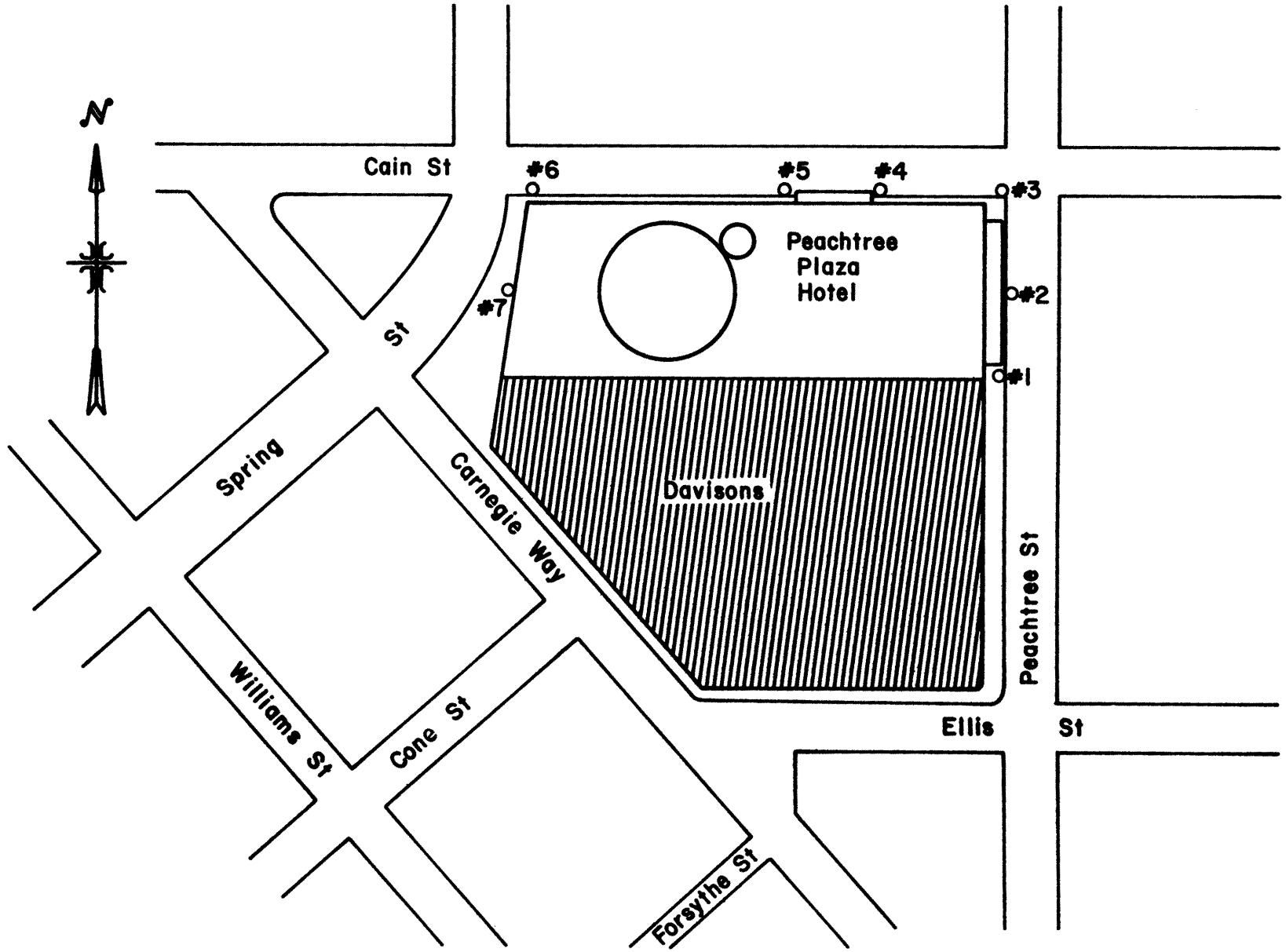


Figure 5 Plaza Velocity Measurement Locations

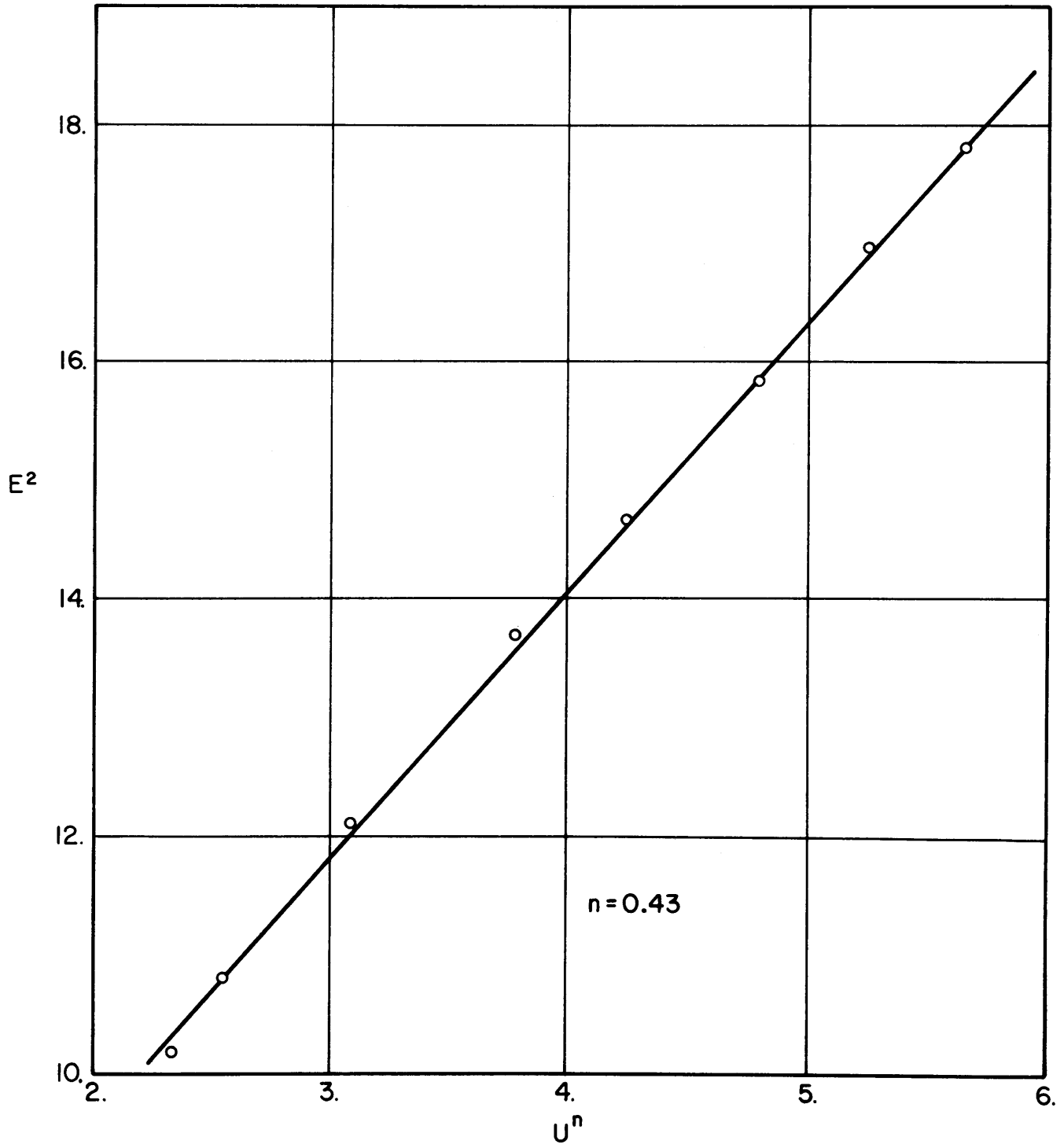


Figure 6 Typical Hot Wire Calibration

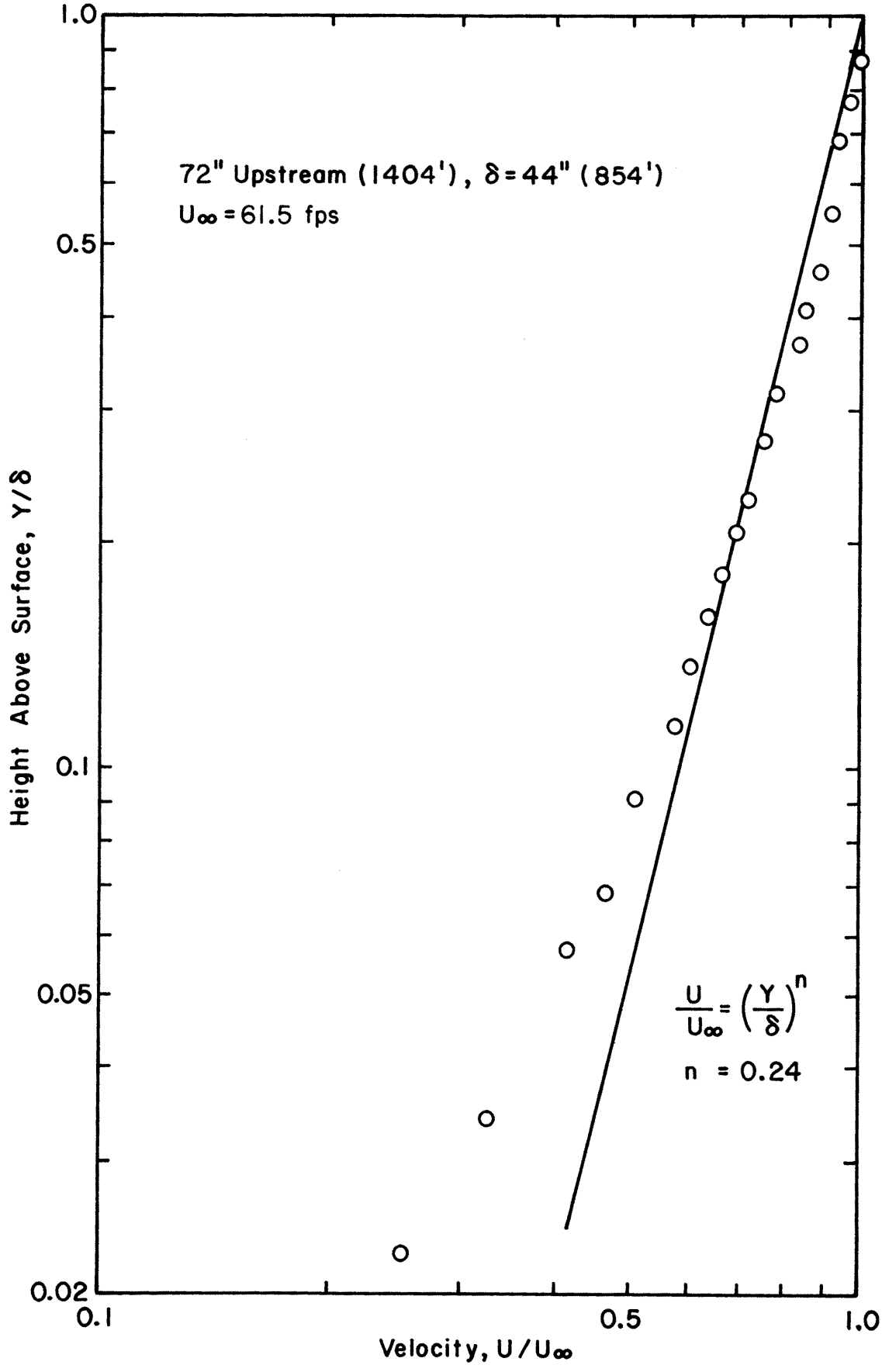


Figure 7a Mean Velocity Profile Approaching the Model

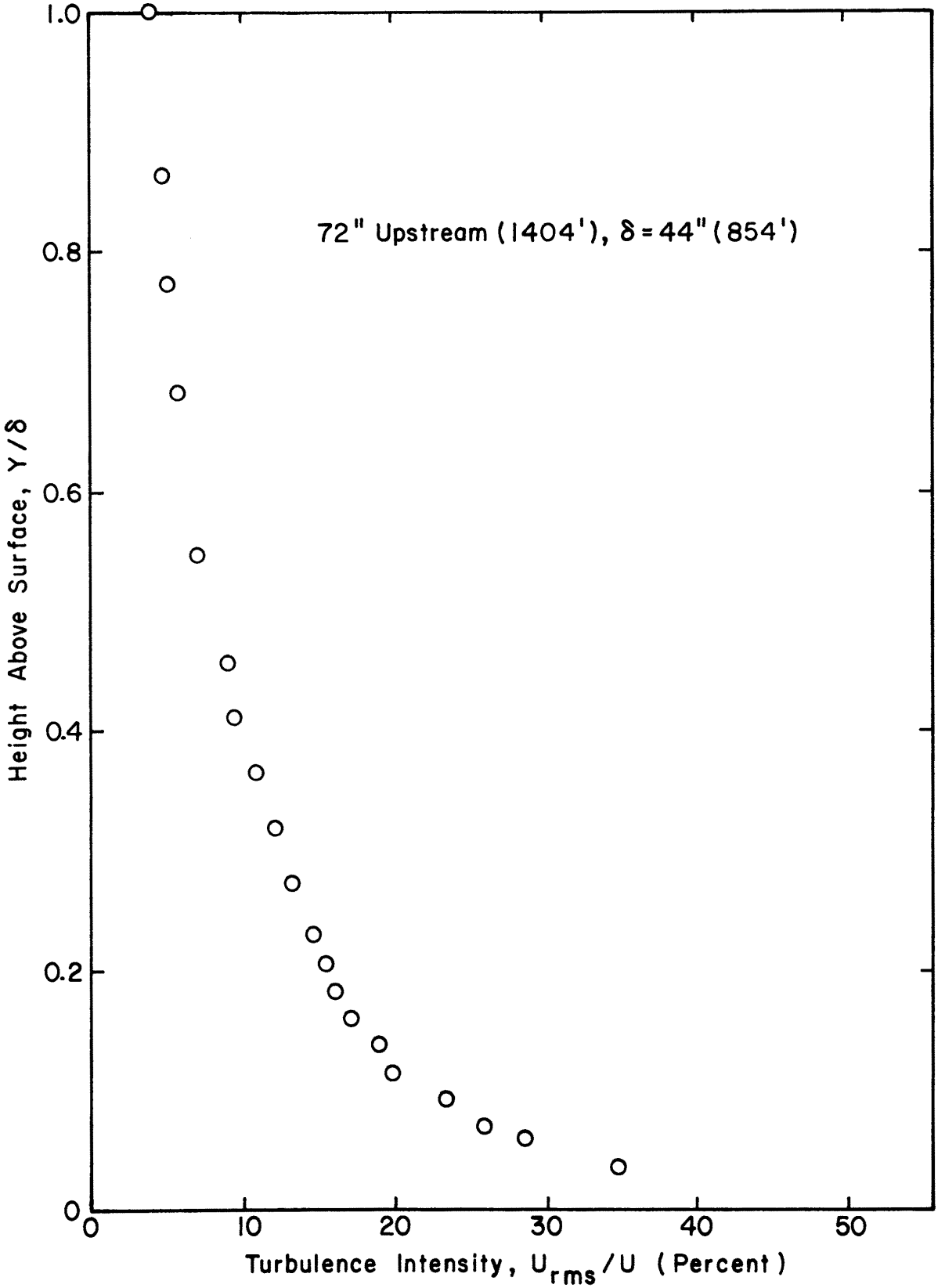


Figure 7b Mean Velocity Profile Approaching the Model

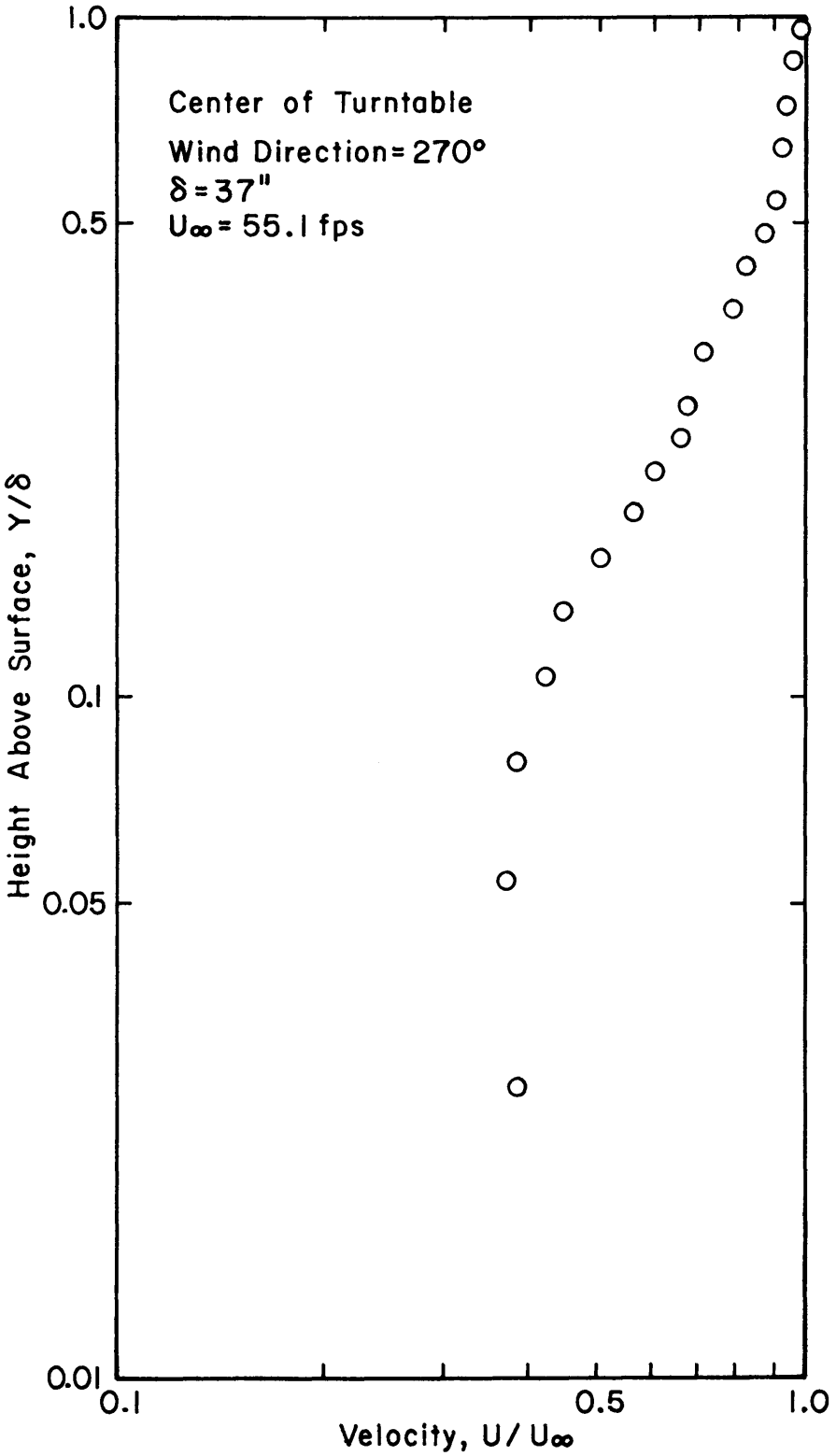


Figure 8a Mean Velocity Profile at Model Location

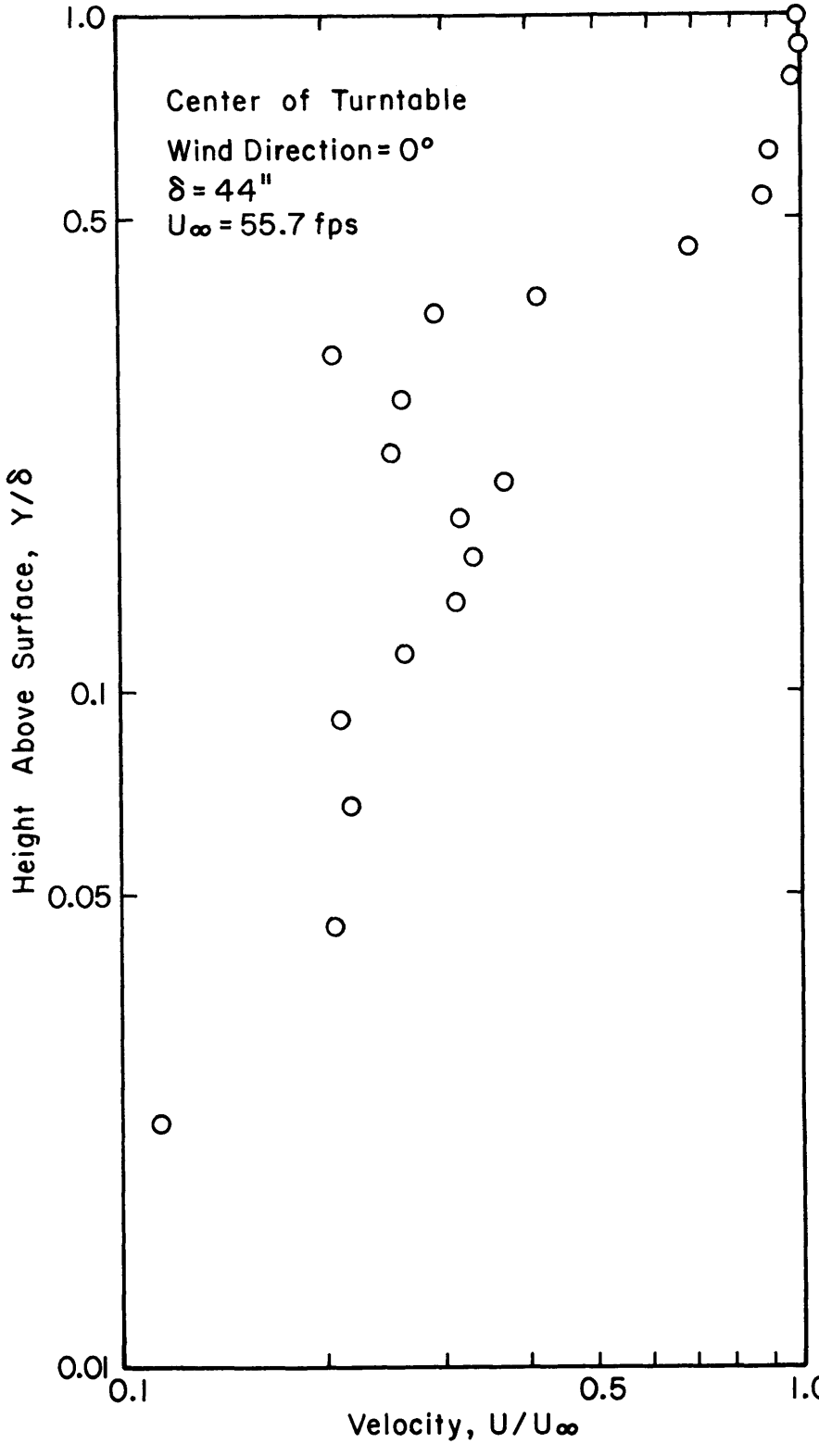


Figure 8b Mean Velocity Profile at Model Location

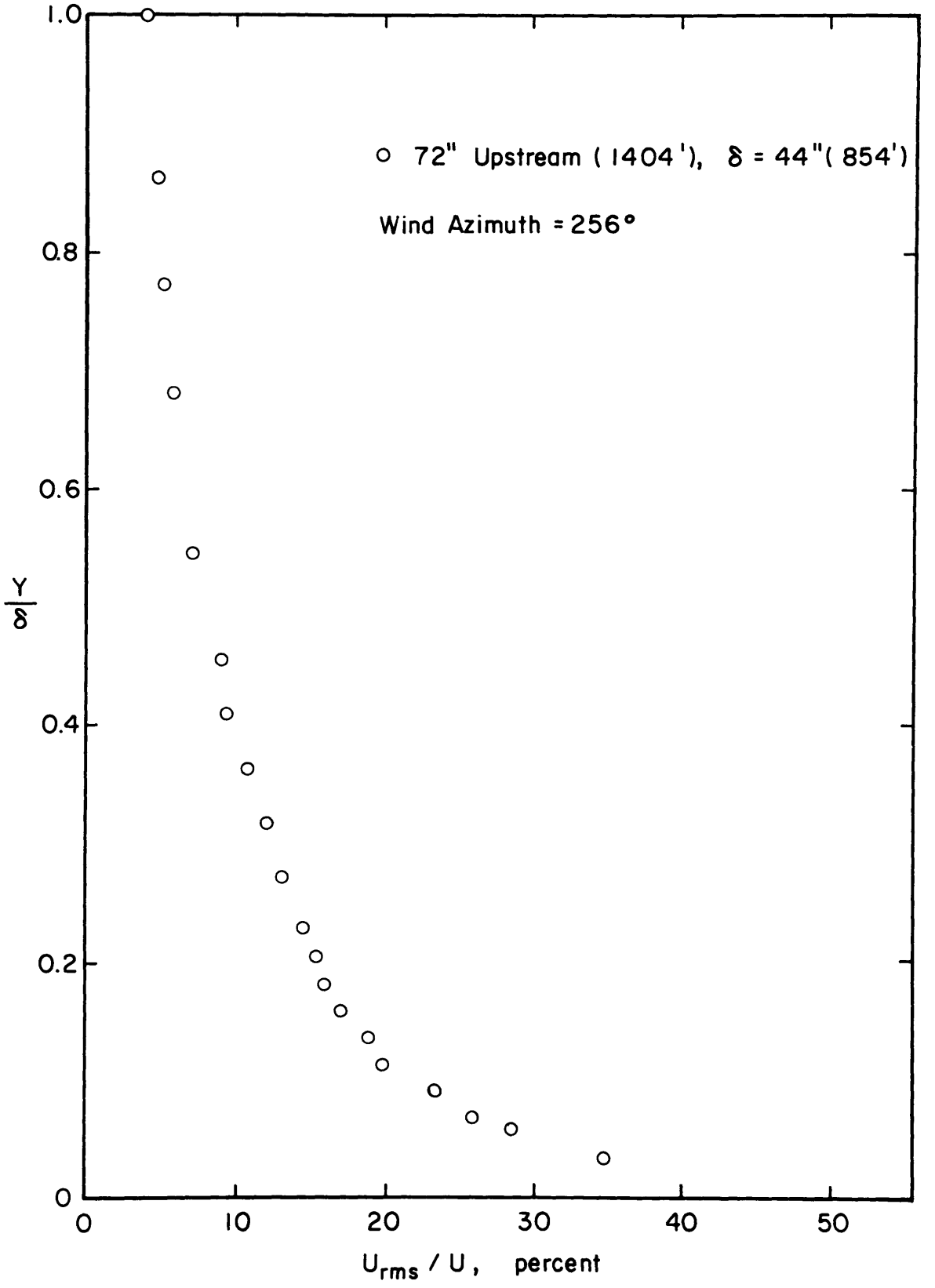


Figure 9a Turbulence Intensity Profiles

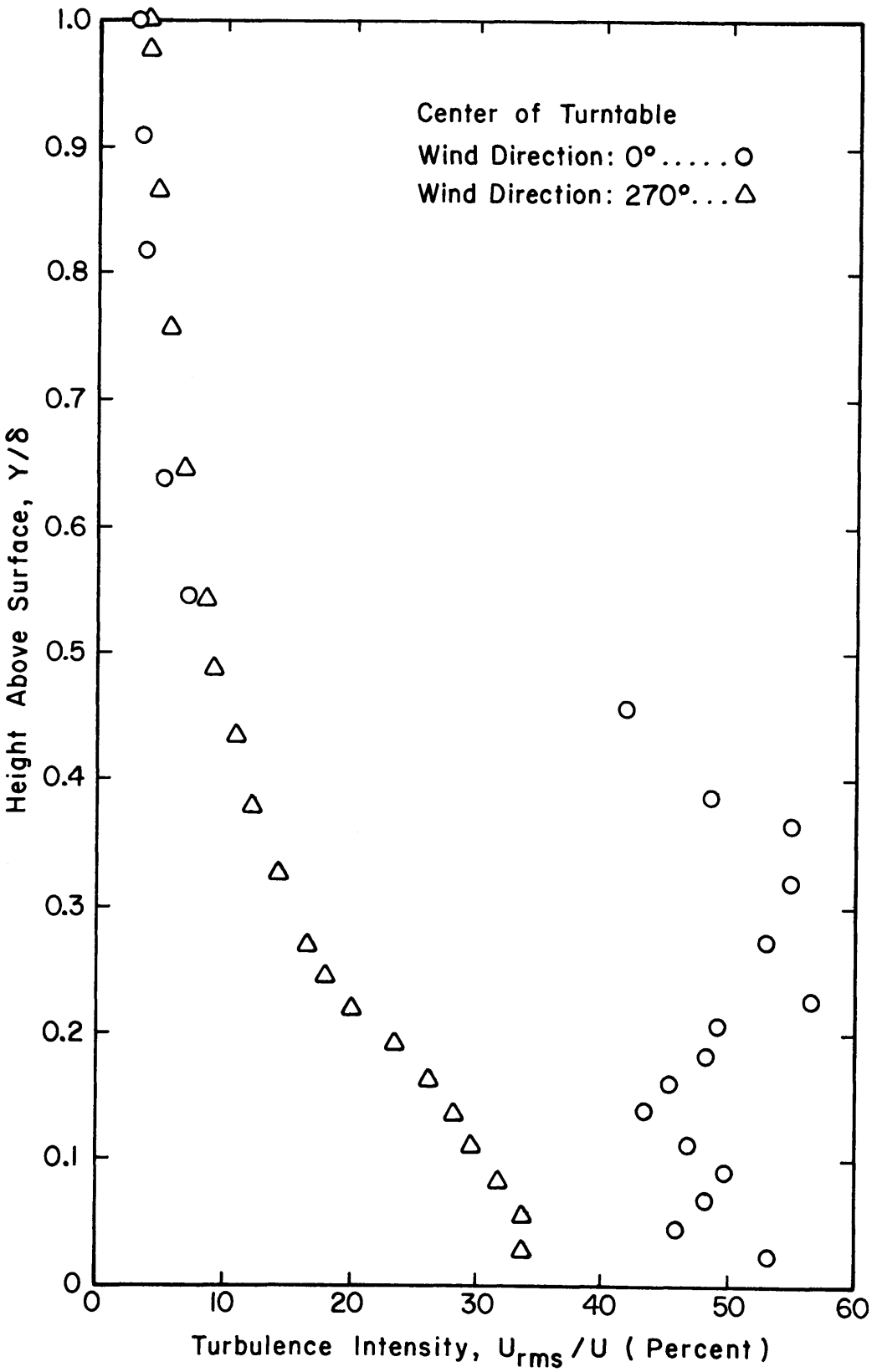


Figure 9b Turbulence Intensity Profiles

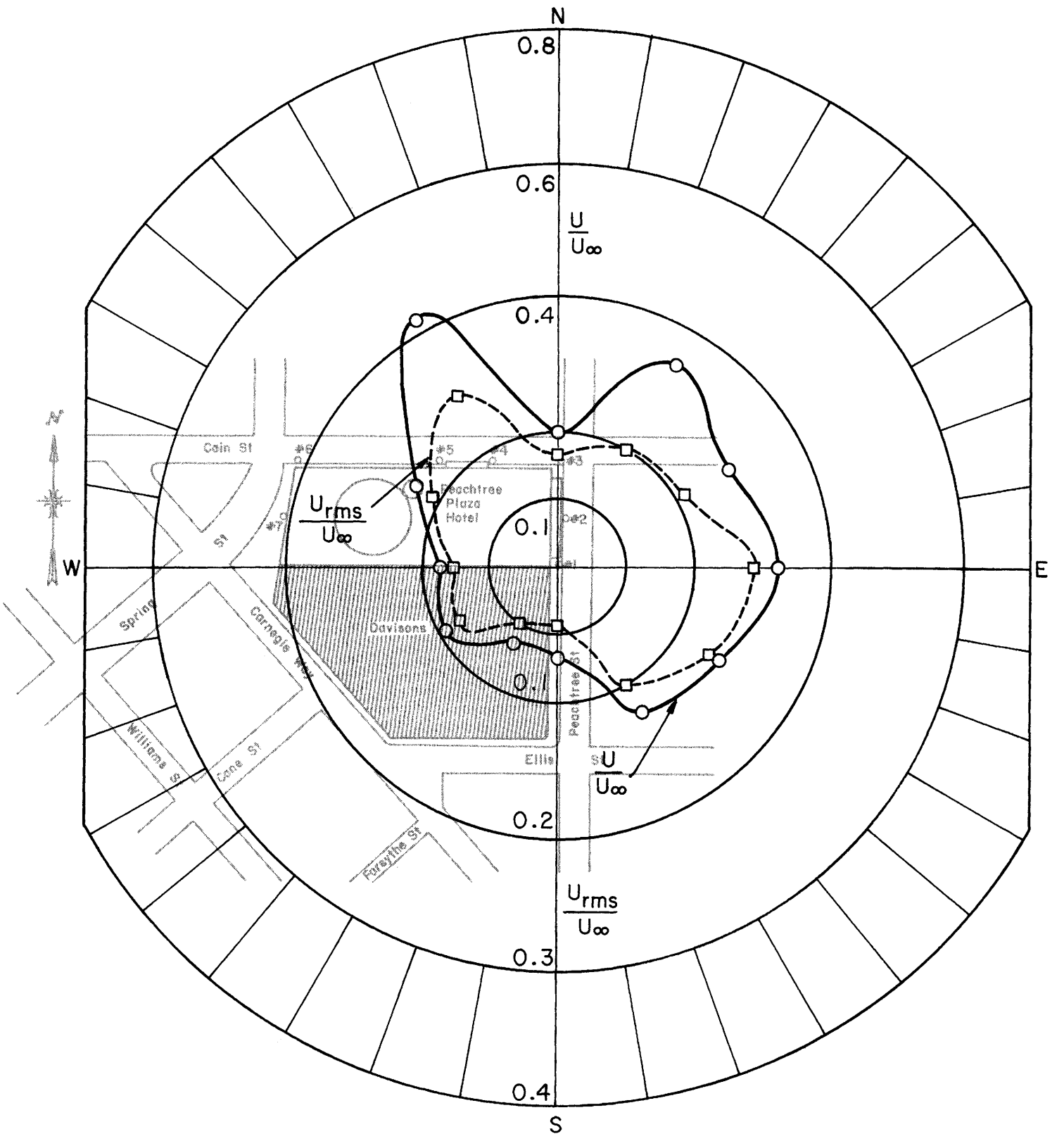


Figure 10 Mean Velocity and Turbulence Intensity at Site 1

Plaza Location 2

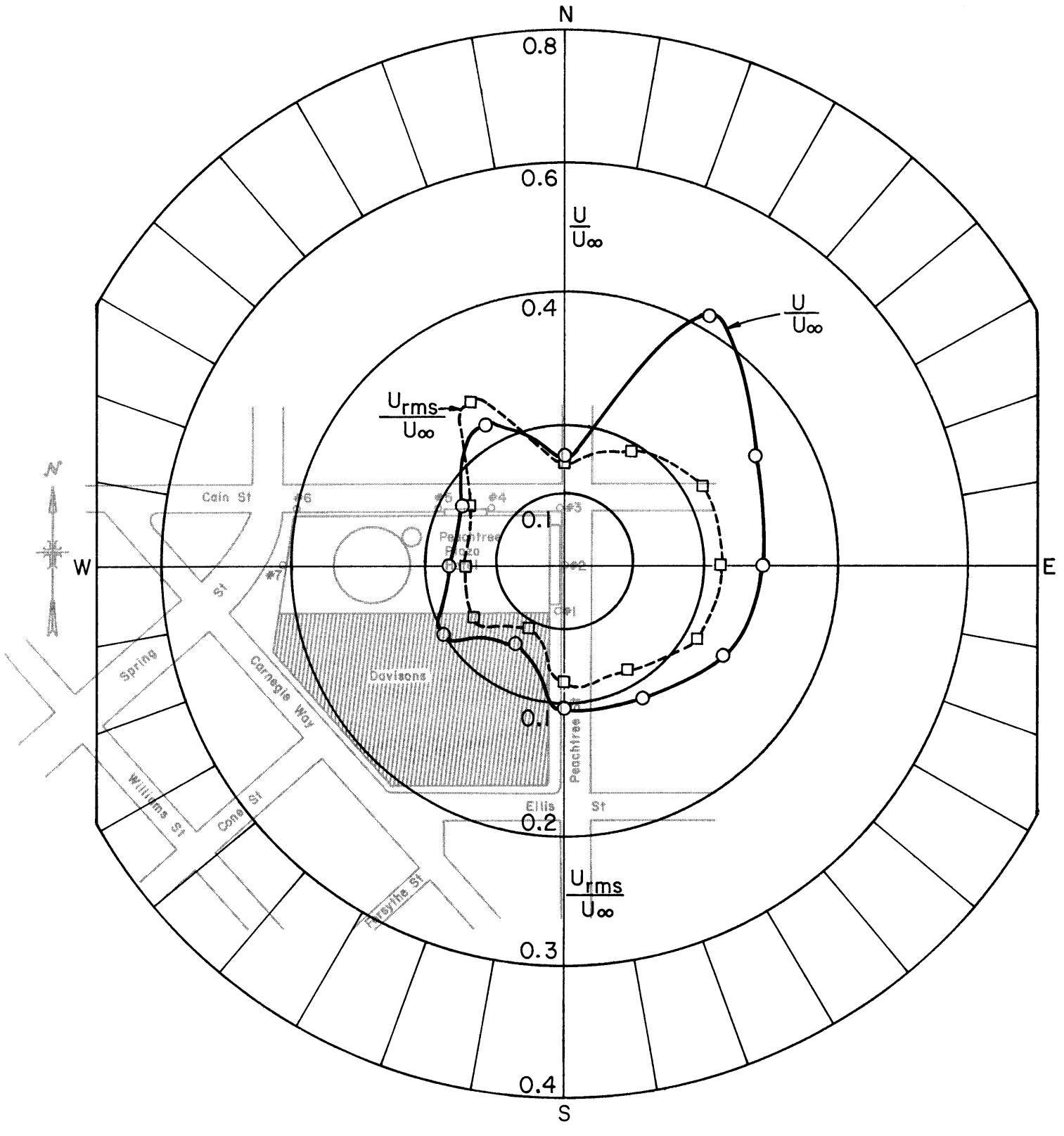


Figure 11 Mean Velocity and Turbulence Intensity at Site 2

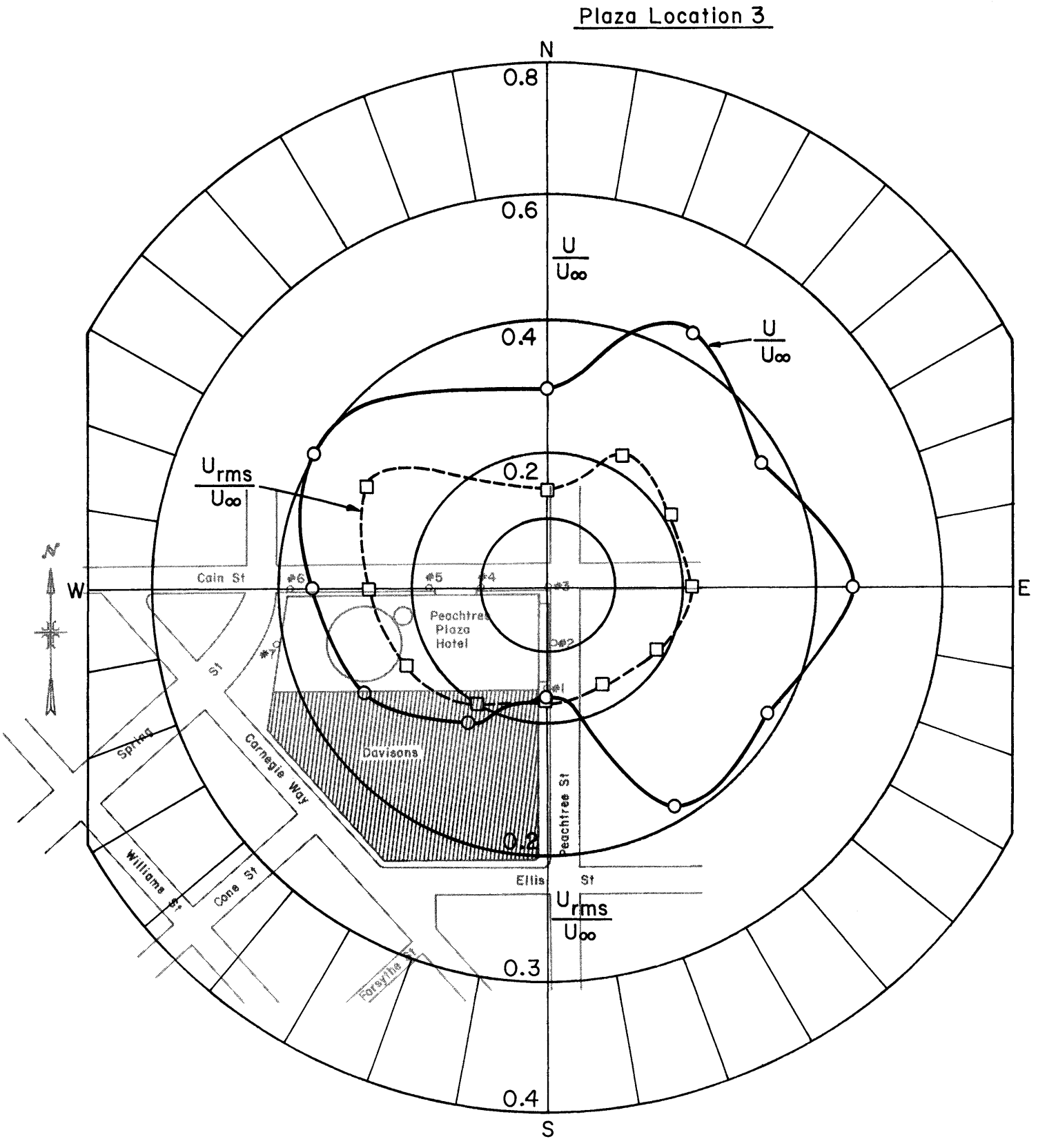


Figure 12 Mean Velocity and Turbulence Intensity at Site 3

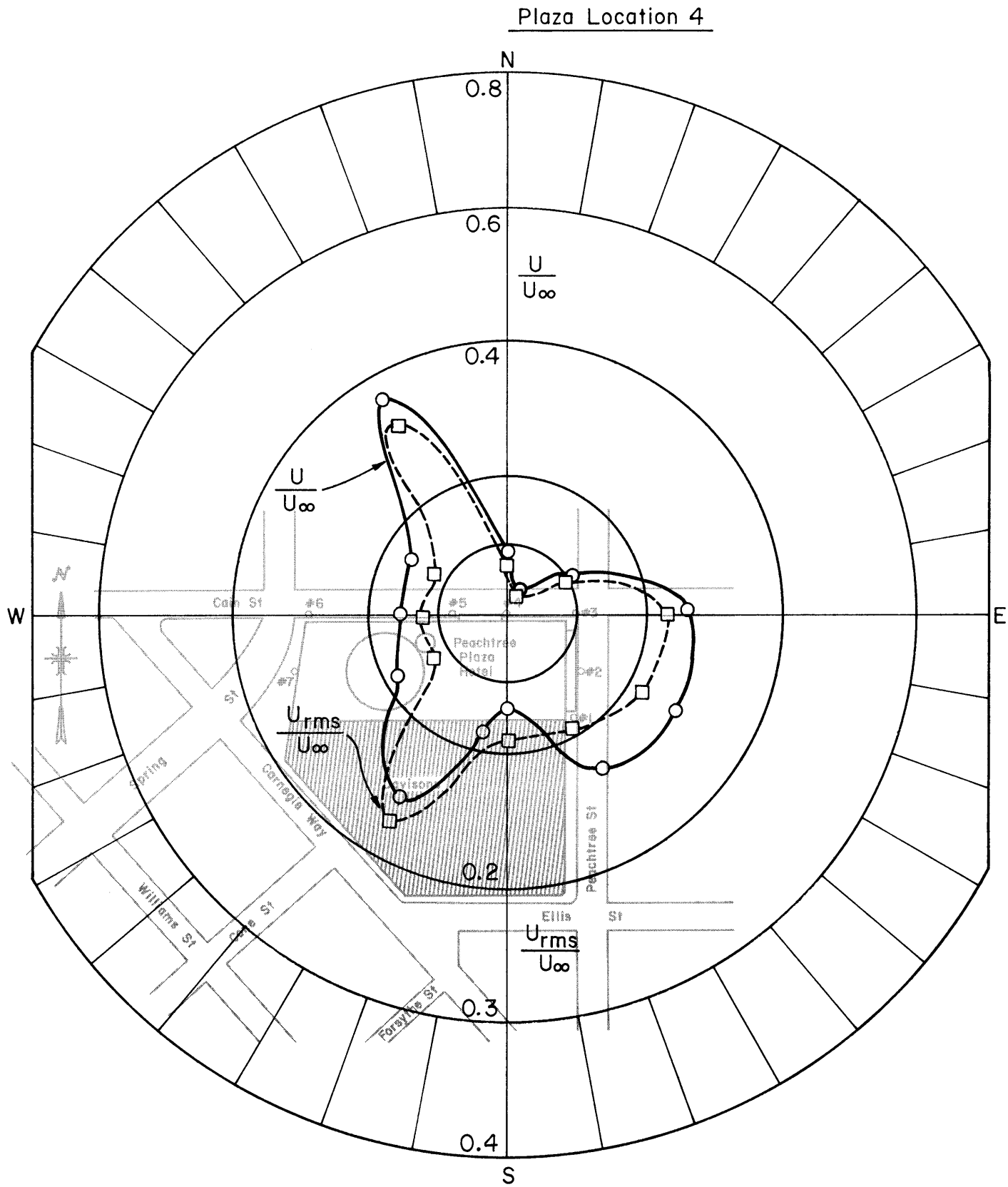


Figure 13 Mean Velocity and Turbulence Intensity at Site 4

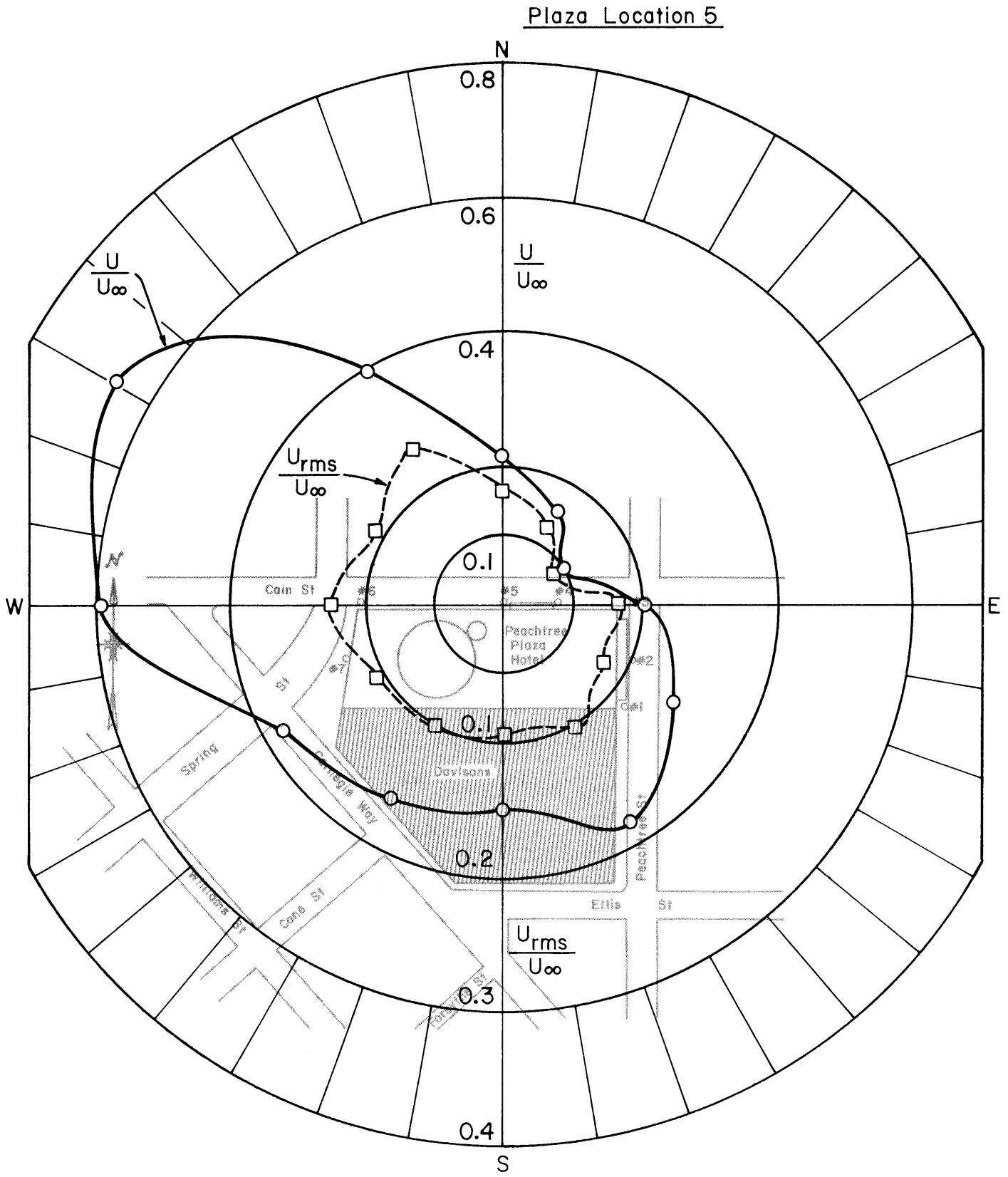


Figure 14 Mean Velocity and Turbulence Intensity at Site 5

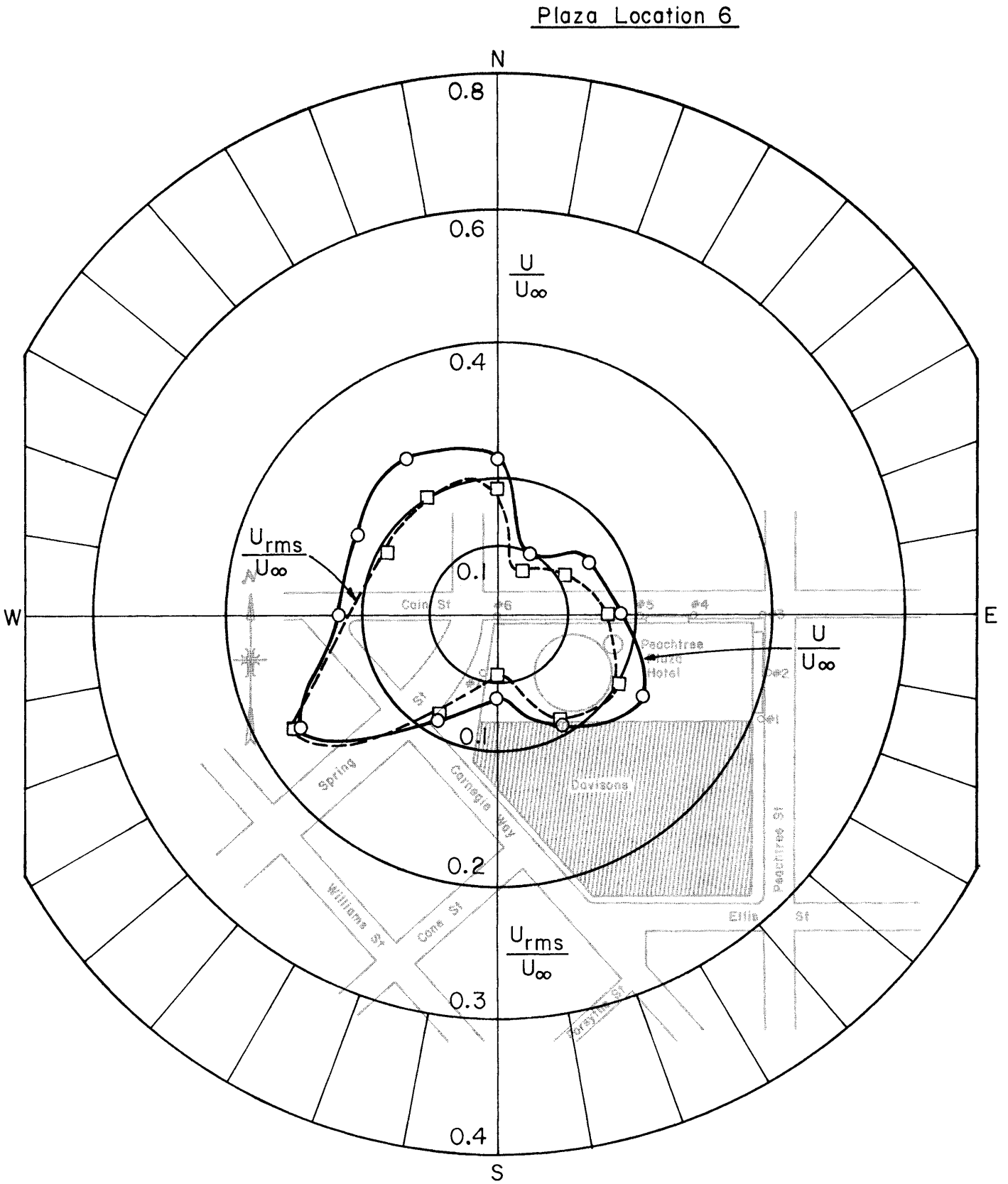


Figure 15 Mean Velocity and Turbulence Intensity at Site 6

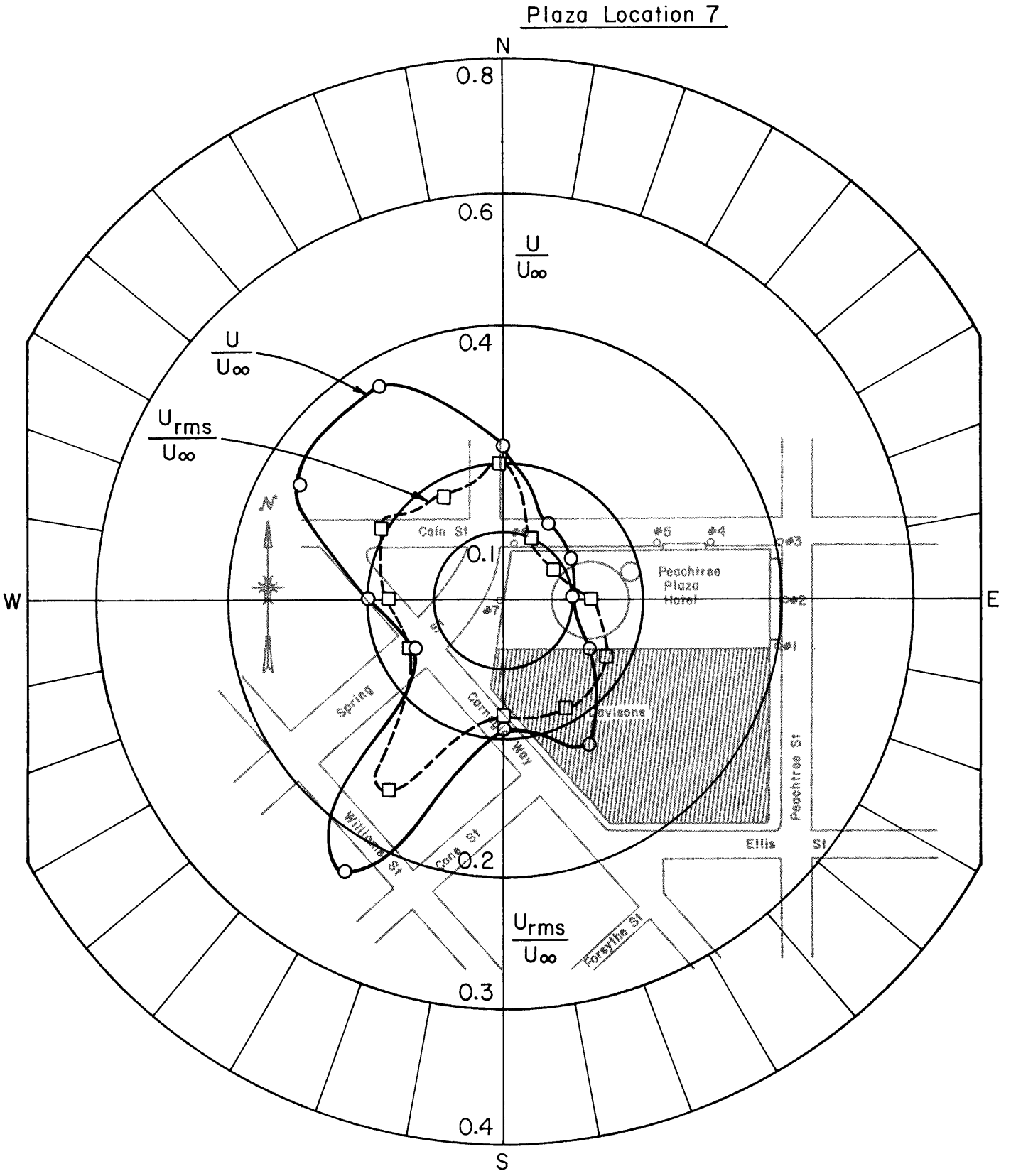


Figure 16 Mean Velocity and Turbulence Intensity at Site 7

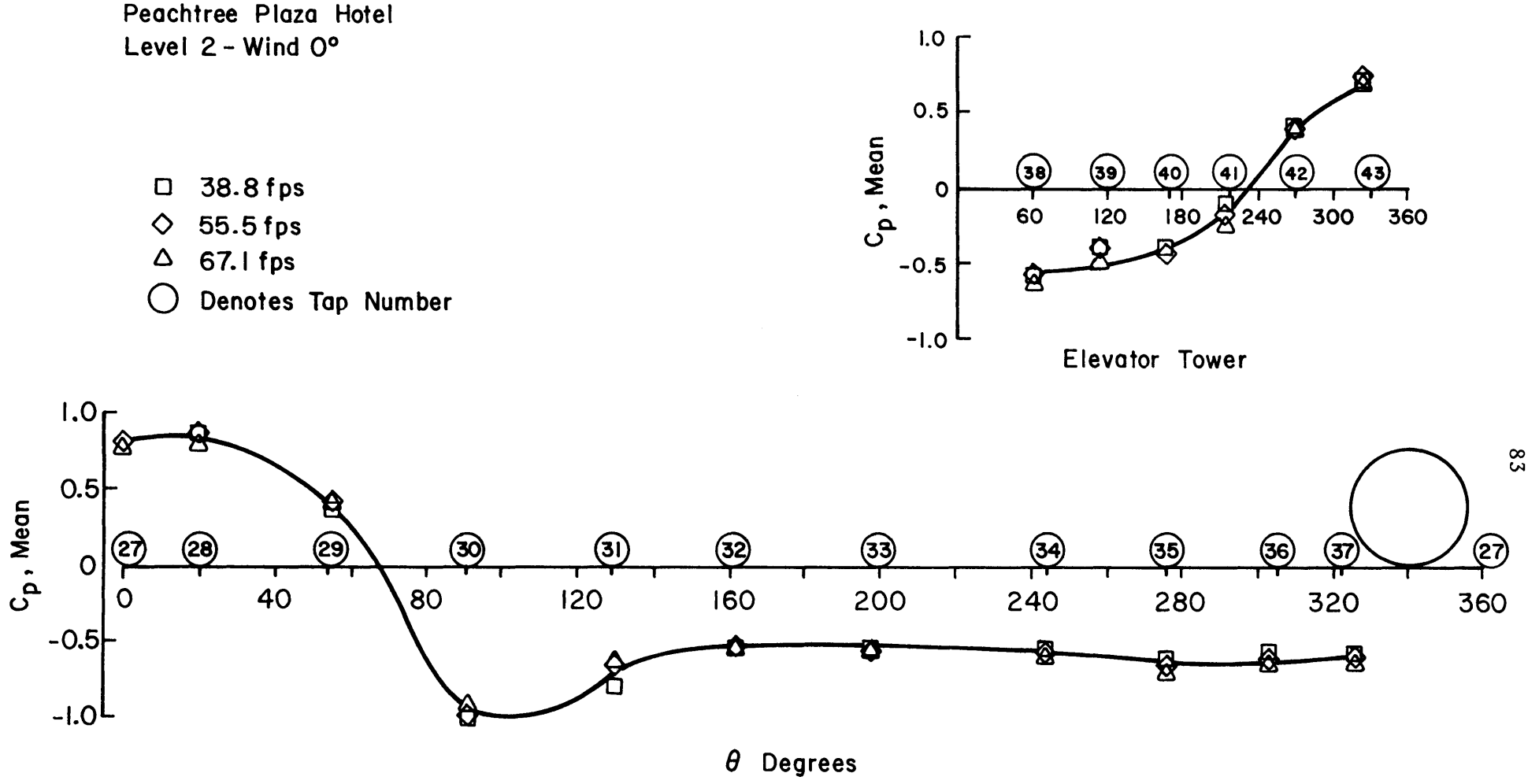


Figure 17 Pressure Coefficients Level 2

APPENDIX A

PRESSURE DATA

Notes--

1. Pressure coefficients are defined in section 4.3.

   Pressure tap designation is explained in Figure 2.

WIND ENGINEERING OF THE PEACHTREE PLAZA HOTEL
ATLANTA, GEORGIA
WIND DIRECTION 0

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT	PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COFFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
1	-.768	.111	-.430	-1.186	35	-.680	.128	-.271	-1.738
2	-.833	.084	-.515	-1.082	36	-.651	.112	-.214	-1.774
3	-.740	.101	-.385	-1.251	37	-.629	.098	-.387	-1.473
4	-.928	.103	-.623	-1.267	38	-.589	.092	-.306	-1.176
5	-.894	.118	-.511	-1.329	39	-.416	.074	-.229	-.901
6	-.627	.077	-.294	-.899	40	-.468	.103	-.191	-1.019
7	-.770	.103	-.426	-1.144	41	-.210	.113	.172	-.850
8	-.852	.131	-.498	-1.289	42	.718	.080	.959	.384
9	-.817	.185	-.476	-1.858	43	.368	.043	.501	.185
10	.814	.092	1.051	.392	44	.637	.080	.901	.339
11	.854	.094	1.096	.424	45	.722	.109	1.027	.177
12	.496	.093	.725	.096	46	.452	.084	.709	.026
13	-.882	.076	-.592	-1.153	47	-.195	.038	-.054	-.346
14	-.748	.111	-.430	-1.274	48	-.405	.084	-.161	-.740
15	-.564	.065	-.375	-.918	49	-.572	.083	-.256	-.946
16	-.597	.074	-.369	-1.012	50	-.260	.055	-.083	-.550
17	-.651	.084	-.326	-.982	51	-.052	.042	.056	-.275
18	-.677	.084	-.326	-1.038	52	-.403	.120	-.029	-1.266
19	-.656	.079	-.368	-1.029	53	-.714	.172	-.149	-2.236
20	-.646	.074	-.361	-.951	54	-.259	.094	-.016	-.953
21	-.643	.087	-.427	-1.192	55	.028	.050	.139	-.313
22	-.627	.091	-.408	-1.283	56	-.373	.118	-.097	-1.119
23	-.623	.092	-.403	-1.407	57	-.811	.247	-.268	-2.806
24	-.148	.102	.155	-.653	58	.123	.089	.404	-.537
25	.777	.089	1.029	.403	59	.440	.036	.563	.282
26	.826	.086	1.057	.492	60	.660	.079	.917	.368
27	.801	.093	1.043	.449	61	.464	.123	.792	.039
28	.843	.098	1.103	.485	62	.584	.064	.747	.375
29	.410	.097	.688	.029	63	.412	.031	.515	.264
30	-.962	.101	-.557	-1.347	64	-.326	.074	-.025	-.599
31	-.663	.102	-.323	-1.082	65	-.804	.147	-.348	-1.339
32	-.564	.067	-.303	-.821	66	.099	.053	.235	-.145
33	-.575	.080	-.324	-1.027	67	.225	.027	.294	-.046
34	-.598	.094	-.295	-1.325	68	-.365	.117	-.054	-1.066

WIND ENGINEERING OF THE PEACHTREE PLAZA HOTEL
ATLANTA, GEORGIA
WIND DIRECTION 0

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT	PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
69	-.849	.209	-.290	-1.850	103	-.501	.137	-.085	-1.098
70	-.863	.181	-.184	-1.584	104	-.695	.220	.080	-1.703
71	-.863	.166	-.421	-1.679	105	-.690	.205	.039	-1.656
72	-.880	.161	-.446	-1.616	106	-.550	.213	-.039	-1.482
73	-.850	.170	-.226	-1.816	107	-.749	.272	-.181	-2.408
74	-.985	.270	-.389	-2.655	108	-.754	.292	-.173	-2.358
75	-.642	.214	.008	-1.661	109	-.886	.256	-.148	-2.013
76	.356	.130	.752	-.066	110	-.116	.104	.332	-.414
77	.494	.125	.868	.034	111	-.025	.087	.323	-.282
78	.085	.088	.342	-.213	112	-.128	.104	.307	-.517
79	.043	.081	.304	-.250	113	.024	.132	.620	-.412
80	.341	.158	.832	-.207	114	-.158	.080	.239	-.438
81	-.600	.116	-.176	-1.001	115	-.103	.057	.154	-.284
82	-1.002	.188	-.464	-1.692	116	-.134	.062	.202	-.333
83	-.758	.191	-.219	-1.552	117	-.199	.047	-.016	-.372
84	-.783	.216	-.285	-1.922	118	-.272	.048	-.113	-.438
85	-.736	.161	-.191	-1.668	119	-.302	.034	-.192	-.499
86	-.822	.191	-.185	-1.600	120	-.129	.088	.276	-.404
87	-.852	.202	-.094	-1.623	121	.011	.133	.597	-.345
88	-.885	.215	-.023	-1.733	122	-.078	.083	.282	-.460
89	-.832	.205	-.178	-1.786	123	-.206	.082	.080	-.599
90	-.896	.270	-.294	-2.195	124	-.308	.118	.198	-.701
91	-1.076	.369	-.254	-2.703	125	-.156	.106	.281	-.524
92	-1.028	.270	-.334	-2.213	126	-.118	.083	.326	-.540
93	-.014	.099	.360	-.362	127	-.167	.083	.307	-1.243
94	.113	.101	.494	-.194	128	-.124	.107	.407	-.602
95	-.093	.080	.330	-.382	129	-.135	.098	.218	-.532
96	-.196	.067	.162	-.434	130	-.098	.077	.181	-.407
97	.080	.127	.722	-.443	131	-.185	.093	.187	-.516
98	-.211	.109	.231	-.652	132	-.194	.148	.482	-.708
99	-.595	.112	-.276	-1.034	133	-.212	.127	.447	-.704
100	-.393	.094	-.134	-.781	134	-.167	.065	.193	-.433
101	-.348	.104	-.034	-.985	135	-.163	.066	.124	-.423
102	-.452	.092	-.172	-.841					

WIND ENGINEERING OF THE PEACHTREE PLAZA HOTEL
ATLANTA, GEORGIA
WIND DIRECTION 30

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT	PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
1	-.577	.073	-.310	-.871	35	-.694	.079	-.440	-.958
2	-.723	.075	-.499	-.964	36	-.286	.101	-.022	-.693
3	-.646	.067	-.405	-.830	37	-.757	.182	.486	-1.251
4	-1.017	.077	-.675	-1.285	38	-.708	.133	-.207	-1.139
5	-.831	.094	-.313	-1.128	39	-.740	.122	-.356	-1.320
6	-.388	.063	-.177	-.656	40	-.341	.159	.136	-1.079
7	-.490	.048	-.340	-.647	41	.704	.127	.978	.037
8	-1.118	.078	-.760	-1.360	42	.748	.103	1.001	.238
9	-1.321	.099	-.864	-1.610	43	.365	.057	.509	.159
10	.843	.097	1.096	.468	44	.610	.120	.983	.143
11	.641	.089	.873	.297	45	.428	.216	.802	-.518
12	-.566	.071	-.309	-.765	46	-.401	.236	.774	-.809
13	-.758	.092	-.419	-1.100	47	-.272	.082	-.074	-.650
14	-.449	.043	-.310	-.611	48	-.314	.080	-.095	-.892
15	-.457	.047	-.329	-.631	49	-.540	.103	-.272	-1.357
16	-.446	.050	-.298	-.629	50	-.329	.082	-.123	-.828
17	-.435	.042	-.319	-.585	51	-.087	.036	.019	-.254
18	-.742	.080	-.511	-1.034	52	-.446	.083	-.202	-.890
19	-.045	.092	.180	-.517	53	-.241	.120	.128	-.765
20	-.835	.118	-.115	-1.226	54	-.160	.184	.515	-.648
21	-.714	.102	-.297	-1.017	55	.040	.055	.196	-.226
22	-.740	.096	-.372	-1.144	56	-.338	.124	.071	-1.063
23	-.285	.114	.143	-.687	57	-.288	.214	.384	-1.144
24	.793	.102	1.072	.351	58	.621	.086	.876	.213
25	.842	.093	1.099	.462	59	.393	.028	.495	.258
26	.839	.091	1.090	.459	60	.605	.090	.843	.263
27	.804	.106	1.035	.411	61	.367	.177	1.014	-.109
28	.606	.103	.907	.217	62	.473	.074	.707	.258
29	-.713	.105	-.329	-1.050	63	.212	.035	.343	.013
30	-.784	.111	-.335	-1.304	64	-.344	.155	.001	-1.016
31	-.468	.050	-.300	-.664	65	-.558	.197	-.092	-2.261
32	-.474	.050	-.306	-.651	66	.085	.089	.346	-.598
33	-.449	.049	-.254	-.669	67	.229	.042	.359	-.127
34	-.457	.044	-.295	-.602	68	-.239	.102	.055	-.715

WIND ENGINEERING OF THE PEACHTREE PLAZA HOTEL
ATLANTA, GEORGIA
WIND DIRECTION 30

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT	PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
69	-.891	.171	-.408	-1.635	103	-.273	.037	-.141	-.501
70	-.376	.119	.085	-.925	104	-.284	.044	-.064	-.543
71	-.397	.282	.616	-1.237	105	-.278	.041	-.118	-.446
72	-.508	.180	.039	-1.189	106	-.269	.034	-.125	-.405
73	-.663	.198	-.063	-1.460	107	-.308	.038	-.178	-.482
74	-.472	.228	.216	-1.302	108	-.332	.052	-.192	-.626
75	.245	.210	.948	-.610	109	-.338	.066	-.144	-.734
76	.318	.186	.877	-.213	110	-.313	.066	-.068	-.645
77	.400	.177	.889	-.176	111	-.276	.059	-.048	-.536
78	-.197	.099	.221	-.519	112	-.210	.092	.354	-.517
79	-.245	.100	.160	-.608	113	-.282	.067	.103	-.624
80	-.445	.154	.099	-1.053	114	-.228	.057	.140	-.441
81	-.634	.199	-.010	-1.419	115	-.213	.061	.118	-.406
82	-.522	.189	-.061	-1.368	116	-.227	.044	.032	-.389
83	-.510	.219	.009	-1.655	117	-.233	.033	-.083	-.350
84	-.381	.135	.028	-1.024	118	-.228	.028	-.135	-.367
85	-.400	.117	-.028	-1.066	119	-.220	.022	-.147	-.299
86	-.420	.122	-.083	-1.082	120	-.223	.030	-.099	-.303
87	-.276	.080	.060	-.680	121	-.254	.028	-.099	-.337
88	-.247	.147	.337	-.986	122	-.200	.024	-.054	-.284
89	-.303	.084	-.070	-.756	123	-.203	.025	-.073	-.310
90	-.355	.103	-.019	-1.109	124	-.232	.036	-.036	-.380
91	-.376	.126	-.041	-1.013	125	-.247	.085	.211	-.494
92	-.304	.096	-.015	-.744	126	-.140	.027	.064	-.249
93	-.252	.096	.080	-.628	127	-.155	.022	-.076	-.233
94	-.190	.092	.153	-.517	128	-.244	.028	-.095	-.345
95	-.351	.073	-.076	-.730	129	-.287	.030	-.150	-.411
96	-.325	.075	-.086	-.647	130	-.042	.021	.060	-.114
97	-.322	.084	-.042	-.739	131	-.036	.023	.079	-.121
98	-.295	.092	0.000	-.704	132	-.222	.032	-.071	-.342
99	-.293	.075	-.095	-.628	133	-.321	.037	-.207	-.507
100	-.278	.068	-.074	-.702	134	.019	.021	.101	-.068
101	-.249	.041	-.096	-.511	135	-0.000	-0.000	-0.000	-0.000
102	-.248	.032	-.137	-.482					

WIND ENGINEERING OF THE PEACHTREE PLAZA HOTEL
ATLANTA, GEORGIA
WIND DIRECTION 60

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT	PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
1	-.588	.111	-.245	-.931	35	-.885	.157	-.283	-1.551
2	-.547	.059	-.324	-.689	36	.056	.143	.476	-.447
3	-.611	.088	-.330	-.950	37	.497	.222	1.068	-.346
4	-.289	.109	-.004	-1.158	38	.352	.191	.754	-.300
5	-.432	.078	-.239	-.810	39	.340	.210	.794	-.332
6	-.577	.098	-.192	-.900	40	.536	.231	1.042	-.358
7	-.751	.110	-.342	-1.135	41	.210	.210	.826	-.572
8	-.494	.133	.062	-1.136	42	.135	.160	.669	-.454
9	-.810	.150	-.161	-1.393	43	.165	.161	.685	-.389
10	.297	.185	.895	-.528	44	.136	.225	.995	-.641
11	.017	.086	.333	-.383	45	-.058	.120	.431	-.421
12	-.979	.129	-.428	-1.306	46	-.747	.146	-.340	-1.307
13	-.476	.075	-.257	-.817	47	-.351	.071	-.151	-.714
14	-.499	.074	-.251	-.829	48	-.419	.087	-.097	-.810
15	-.505	.075	-.326	-.940	49	-.417	.071	-.232	-.845
16	-.499	.072	-.298	-.807	50	-.274	.068	-.124	-.881
17	-.485	.071	-.261	-.774	51	-.288	.067	-.133	-.647
18	-1.057	.136	-.499	-1.444	52	-.595	.128	-.167	-1.171
19	.200	.129	.509	-.336	53	.112	.146	.610	-.258
20	.673	.216	1.191	-.399	54	.398	.118	.728	.016
21	.473	.194	.846	-.308	55	.196	.071	.408	-.039
22	.449	.211	.871	-.408	56	.246	.153	.719	-.298
23	.722	.212	1.136	-.221	57	.338	.219	.989	-.512
24	.305	.169	.814	-.445	58	.254	.168	.802	-.378
25	.181	.126	.608	-.317	59	.188	.061	.388	-.035
26	.195	.125	.665	-.280	60	.174	.147	.692	-.362
27	.244	.187	1.002	-.332	61	-.026	.201	.760	-.771
28	.003	.106	.437	-.333	62	.067	.066	.337	-.203
29	-1.003	.185	-.456	-1.775	63	-.054	.055	.107	-.287
30	-.440	.083	-.154	-.835	64	-.307	.106	-.007	-.817
31	-.454	.082	-.232	-1.153	65	-.163	.037	.033	-.288
32	-.433	.067	-.200	-.773	66	.330	.121	.450	-.274
33	-.451	.080	-.151	-.911	67	.178	.056	.418	-.074
34	-.475	.095	-.200	-1.100	68	-.051	.080	.236	-.399

WIND ENGINEERING OF THE PEACHTREE PLAZA HOTEL
ATLANTA, GEORGIA
WIND DIRECTION 60

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT	PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
69	-.636	.179	-.073	-1.316	103	-.174	.115	.367	-.553
70	-.056	.152	.673	-.429	104	.019	.119	.572	-.390
71	.181	.169	.778	-.227	105	.016	.105	.504	-.373
72	.073	.136	.725	-.316	106	.047	.123	.572	-.324
73	.057	.151	.675	-.444	107	-.086	.151	.596	-.578
74	.077	.199	.940	-.688	108	-.488	.157	.096	-1.083
75	-.210	.241	.561	-1.326	109	-.541	.123	-.231	-1.268
76	-.166	.173	.508	-.945	110	-.456	.100	-.190	-.951
77	-.102	.176	.433	-.728	111	-.408	.079	-.125	-.745
78	-.264	.132	.276	-.794	112	-.343	.063	-.149	-.753
79	-.346	.059	-.075	-.606	113	-.277	.033	-.152	-.422
80	-.659	.142	-.251	-1.258	114	-.268	.035	-.052	-.416
81	-.447	.116	-.146	-.891	115	-.270	.033	-.155	-.551
82	-.437	.134	-.084	-1.288	116	-.257	.029	-.145	-.409
83	-.452	.123	-.155	-1.175	117	-.254	.028	-.141	-.398
84	-.478	.143	-.132	-1.425	118	-.247	.026	-.132	-.421
85	-.630	.129	-.274	-1.158	119	-.245	.029	-.114	-.352
86	-.399	.134	.135	-1.081	120	-.069	.058	.158	-.236
87	-.053	.115	.528	-.500	121	-.062	.060	.215	-.241
88	.016	.111	.578	-.315	122	-.040	.064	.463	-.235
89	-.014	.098	.529	-.399	123	-.032	.052	.260	-.211
90	-.087	.109	.572	-.492	124	-.123	.057	.298	-.337
91	-.258	.165	.319	-.939	125	-.362	.065	-.184	-.756
92	-.441	.155	.041	-1.254	126	.029	.053	.229	-.261
93	-.349	.115	.037	-.850	127	.011	.041	.162	-.245
94	-.302	.109	.077	-.708	128	-.078	.059	.175	-.423
95	-.443	.112	-.076	-.986	129	-.144	.076	.150	-.531
96	-.359	.083	-.090	-.756	130	.018	.072	.457	-.242
97	-.351	.076	-.144	-.695	131	-.015	.036	.184	-.214
98	-.293	.054	-.124	-.669	132	-.126	.050	.097	-.429
99	-.289	.049	-.091	-.683	133	-.190	.063	.048	-.498
100	-.313	.069	-.100	-.771	134	.148	.040	.342	-.021
101	-.438	.084	-.174	-.802	135	.081	.042	.307	-.073
102	-.523	.087	-.264	-.948					

WIND ENGINEERING OF THE PEACHTREE PLAZA HOTEL
ATLANTA, GEORGIA
WIND DIRECTION 90

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT	PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
1	-1.017	.100	-.685	-1.419	35	-.181	.086	.144	-.607
2	-.632	.067	-.419	-.948	36	.792	.112	1.110	.344
3	-.884	.117	-.439	-1.260	37	.827	.103	1.071	.410
4	-.145	.154	.275	-.720	38	.804	.106	1.056	.358
5	-.477	.051	-.290	-.656	39	.561	.124	.993	-.030
6	-.412	.057	-.212	-.640	40	-.906	.188	-.179	-1.644
7	-1.349	.091	-.922	-1.634	41	-1.607	.239	-.837	-2.780
8	-1.528	.099	-1.137	-1.797	42	-1.467	.163	-.795	-2.115
9	-1.848	.141	-1.287	-2.267	43	-1.270	.129	-.709	-1.774
10	-1.449	.134	-.868	-1.943	44	-1.445	.196	-.776	-2.053
11	-1.196	.217	-.402	-1.660	45	-.995	.298	-.088	-1.841
12	-.761	.095	-.442	-1.105	46	-.558	.104	-.126	-1.092
13	-.582	.067	-.381	-.913	47	-.464	.054	-.277	-.730
14	-.601	.062	-.423	-.861	48	-.416	.046	-.211	-.695
15	-.599	.056	-.432	-.789	49	-.476	.043	-.364	-.656
16	-.591	.054	-.247	-.803	50	-.314	.037	-.209	-.461
17	-1.121	.075	-.837	-1.396	51	-.390	.033	-.270	-.496
18	-.223	.085	.064	-.532	52	-.038	.070	.254	-.234
19	.806	.090	1.071	.416	53	.739	.115	1.081	.285
20	.833	.093	1.128	.429	54	.662	.086	.874	.350
21	.855	.096	1.078	.474	55	.235	.042	.368	.084
22	.664	.100	.909	.215	56	.425	.114	.724	-.049
23	-.699	.142	-.146	-1.196	57	-.996	.243	-.276	-1.972
24	-1.451	.154	-.756	-2.212	58	-1.000	.211	-.361	-1.695
25	-1.409	.147	-.899	-2.069	59	-.453	.077	-.169	-.731
26	-1.384	.120	-.910	-1.806	60	-1.074	.155	-.493	-1.559
27	-1.499	.169	-.806	-2.047	61	-1.433	.211	-.254	-2.245
28	-1.141	.255	-.078	-1.742	62	-.535	.175	.042	-1.136
29	-.676	.105	-.249	-1.209	63	-.275	.049	-.101	-.441
30	-.568	.071	-.347	-.933	64	-.462	.088	-.228	-1.040
31	-.552	.051	-.405	-.858	65	-.496	.058	-.334	-.941
32	-.557	.048	-.410	-.741	66	-.134	.035	-.023	-.306
33	-.511	.050	-.353	-.715	67	-.084	.023	-.009	-.168
34	-1.047	.087	-.776	-1.345	68	-.780	.076	-.540	-1.075

WIND ENGINEERING OF THE PEACHTREE PLAZA HOTEL
ATLANTA, GEORGIA
WIND DIRECTION 90

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT	PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
69	-.101	.089	.291	-.411	103	-.210	.124	.279	-.617
70	.638	.124	.993	.226	104	.376	.162	.888	-.095
71	.641	.126	.970	.210	105	.391	.159	.916	-.062
72	.619	.131	.998	.161	106	.324	.167	.957	-.113
73	.326	.166	.798	-.258	107	.175	.188	.838	-.482
74	-1.147	.285	-.298	-2.166	108	-.904	.261	-.101	-1.994
75	-1.711	.365	-.699	-2.957	109	-1.434	.307	-.660	-2.887
76	-1.450	.242	-.684	-2.410	110	-1.191	.239	-.536	-2.277
77	-1.353	.222	-.472	-1.946	111	-1.130	.200	-.580	-1.894
78	-1.295	.238	-.411	-2.243	112	-.511	.117	-.255	-1.327
79	-.906	.271	-.206	-1.872	113	-.531	.110	.033	-1.042
80	-.667	.155	-.213	-1.483	114	-.423	.078	-.142	-.858
81	-.583	.110	-.271	-1.107	115	-.482	.114	-.144	-1.576
82	-.643	.091	-.402	-1.041	116	-.404	.086	-.126	-1.149
83	-.726	.137	-.421	-1.607	117	-.381	.042	-.254	-.572
84	-.679	.104	-.375	-1.118	118	-.323	.039	-.214	-.496
85	-1.040	.116	-.668	-1.539	119	-.341	.042	-.204	-.483
86	-.166	.111	.272	-.464	120	.122	.062	.319	-.056
87	.540	.131	.936	.104	121	.156	.104	.638	-.301
88	.543	.130	.923	.115	122	.122	.089	.498	-.227
89	.517	.141	.990	.088	123	.120	.091	.445	-.190
90	.210	.174	.737	-.748	124	-.056	.099	.429	-.380
91	-1.161	.261	-.452	-2.222	125	-.661	.134	-.317	-1.263
92	-1.649	.355	-.665	-2.893	126	-.036	.099	.340	-.437
93	-1.327	.260	-.577	-2.280	127	-.102	.093	.174	-.542
94	-1.260	.217	-.626	-1.977	128	-.118	.121	.654	-.807
95	-1.169	.246	-.348	-2.151	129	-.162	.122	.307	-.823
96	-.772	.235	-.083	-1.791	130	-.025	.079	.349	-.266
97	-.592	.153	-.166	-1.312	131	-.079	.065	.118	-.365
98	-.527	.130	-.201	-1.169	132	-.138	.113	.154	-.723
99	-.506	.085	-.263	-.951	133	-.188	.094	.128	-.839
100	-.659	.123	-.295	-1.149	134	.084	.062	.301	-.237
101	-.828	.117	-.459	-1.225	135	.018	.056	.253	-.162
102	-.915	.146	-.441	-1.368					

WIND ENGINEERING OF THE PEACHTREE PLAZA HOTEL
ATLANTA, GEORGIA
WIND DIRECTION 120

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT	PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
1	-1.195	.095	-.737	-1.460	35	.801	.116	1.121	.261
2	-.939	.098	-.633	-1.303	36	.845	.107	1.147	.411
3	-1.239	.105	-.785	-1.587	37	.789	.113	1.071	.342
4	-.978	.132	-.558	-1.639	38	.878	.135	1.236	.398
5	-.988	.154	-.491	-1.595	39	.022	.119	.362	-.448
6	-.871	.095	-.543	-1.208	40	-1.379	.428	-.518	-2.788
7	-1.249	.124	-.895	-1.794	41	-.780	.101	-.458	-1.249
8	-1.185	.136	-.810	-1.789	42	-.780	.088	-.504	-1.174
9	-.968	.112	-.618	-1.411	43	-.793	.086	-.545	-1.154
10	-.866	.089	-.615	-1.208	44	-.842	.093	-.509	-1.284
11	-.885	.090	-.638	-1.328	45	-.837	.105	-.550	-1.401
12	-.911	.087	-.668	-1.211	46	-.839	.106	-.539	-1.822
13	-.856	.088	-.576	-1.164	47	-.732	.076	-.483	-1.152
14	-.810	.084	-.576	-1.208	48	-.753	.083	-.514	-1.111
15	-.783	.080	-.538	-1.086	49	-.777	.091	-.438	-1.121
16	-1.348	.127	-.865	-1.784	50	-.972	.131	-.570	-1.388
17	-.592	.098	-.164	-.920	51	-.349	.053	-.147	-.588
18	.822	.108	1.137	.329	52	.667	.123	.995	.207
19	.783	.101	1.057	.349	53	.769	.127	1.066	.354
20	.802	.100	1.104	.398	54	.695	.098	.924	.362
21	.907	.128	1.243	.429	55	.357	.067	.541	.119
22	.068	.105	.466	-.291	56	.064	.113	.369	-.336
23	-1.340	.393	-.593	-2.550	57	-1.514	.395	-.580	-2.726
24	-.883	.105	-.538	-1.371	58	-.466	.083	-.209	-1.127
25	-.836	.098	-.546	-1.196	59	-.188	.041	-.072	-.367
26	-.859	.093	-.616	-1.211	60	-.540	.077	-.112	-.885
27	-.819	.094	-.561	-1.490	61	-.918	.146	-.590	-1.841
28	-.849	.110	-.560	-1.958	62	-.551	.113	-.307	-1.164
29	-.855	.105	-.563	-1.487	63	-.328	.059	-.179	-.618
30	-.763	.087	-.426	-1.081	64	-.677	.096	-.381	-1.168
31	-.784	.078	-.523	-1.074	65	-.854	.095	-.566	-1.333
32	-.763	.077	-.523	-1.056	66	-.356	.063	-.144	-.671
33	-1.252	.128	-.780	-1.817	67	-.304	.054	-.144	-.513
34	-.545	.102	-.135	-.954	68	-.676	.103	-.317	-1.066

WIND ENGINEERING OF THE PEACHTREE PLAZA HOTEL
ATLANTA, GEORGIA
WIND DIRECTION 120

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT	PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
69	.431	.135	.792	-.036	103	.175	.188	.782	-.349
70	.595	.125	.943	.197	104	.302	.140	.758	-.061
71	.559	.119	.880	.190	105	.274	.122	.733	-.098
72	.592	.134	1.070	.188	106	.259	.124	.699	-.073
73	-.118	.138	.306	-.685	107	-.078	.182	.694	-.707
74	-1.476	.303	-.502	-2.913	108	-1.181	.359	-.292	-2.754
75	-.836	.151	-.528	-1.836	109	-1.247	.300	-.493	-3.158
76	-.803	.140	-.516	-1.569	110	-1.086	.223	-.503	-2.600
77	-.795	.117	-.461	-1.385	111	-1.055	.195	-.452	-1.885
78	-.944	.219	-.469	-1.738	112	-.659	.153	-.236	-1.347
79	-.971	.233	-.317	-1.926	113	-.547	.095	-.112	-1.115
80	-.921	.216	-.228	-2.270	114	-.466	.143	-.159	-1.319
81	-.877	.131	-.509	-1.529	115	-.524	.139	-.235	-1.609
82	-.931	.178	-.515	-2.363	116	-.430	.056	-.237	-1.342
83	-.908	.151	-.370	-1.489	117	-.493	.058	-.329	-.807
84	-1.274	.224	-.512	-2.020	118	-.256	.041	-.103	-.415
85	-.784	.122	-.365	-1.299	119	-.319	.035	-.205	-.529
86	.305	.153	.802	-.165	120	.164	.108	.677	-.126
87	.465	.132	.833	.051	121	.188	.114	.671	-.115
88	.448	.126	.823	.026	122	.259	.099	.620	.002
89	.456	.150	.948	.004	123	.151	.099	.542	-.164
90	-.057	.160	.566	-.654	124	-.055	.120	.446	-.489
91	-1.297	.348	-.415	-2.696	125	-.919	.159	-.401	-1.653
92	-1.019	.253	-.411	-2.422	126	.098	.087	.475	-.240
93	-.968	.223	-.435	-2.168	127	-.081	.076	.323	-.348
94	-.923	.200	-.379	-1.654	128	-.131	.106	.247	-.542
95	-1.106	.217	-.522	-2.191	129	-.171	.112	.566	-.941
96	-1.006	.246	-.061	-1.835	130	-.023	.072	.478	-.710
97	-.819	.217	-.194	-1.609	131	-.141	.103	.502	-.890
98	-.688	.166	-.054	-1.393	132	-.176	.125	.375	-.817
99	-.855	.222	-.021	-1.822	133	-.186	.148	.640	-1.168
100	-.936	.156	-.437	-1.592	134	.021	.114	.715	-.798
101	-1.226	.174	-.721	-1.912	135	-.070	.126	.732	-1.101
102	-.614	.124	-.255	-1.101					

WIND ENGINEERING OF THE PEACHTREE PLAZA HOTEL
ATLANTA, GEORGIA
WIND DIRECTION 150

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT	PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
1	-.827	.091	-.551	-1.091	35	.710	.098	1.010	.295
2	-.554	.047	-.421	-.739	36	.208	.066	.429	-.051
3	-1.021	.078	-.671	-1.269	37	.346	.063	.543	.131
4	-.711	.070	-.447	-.943	38	.511	.102	.850	.150
5	-.470	.057	-.269	-.686	39	-.362	.052	-.132	-.562
6	-.849	.082	-.476	-1.138	40	-.710	.065	-.490	-.943
7	-1.134	.104	-.740	-1.461	41	-.587	.049	-.409	-.759
8	-.701	.081	-.345	-1.008	42	-.579	.049	-.390	-.743
9	-.601	.057	-.426	-.820	43	-.580	.048	-.413	-.745
10	-.574	.048	-.427	-.766	44	-.630	.063	-.402	-.881
11	-.588	.048	-.456	-.782	45	-.632	.067	-.436	-1.018
12	-.584	.052	-.384	-.796	46	-.636	.067	-.466	-1.039
13	-.582	.051	-.434	-.898	47	-.638	.084	-.397	-1.190
14	-.575	.048	-.384	-.767	48	-.634	.087	-.407	-1.155
15	-.816	.085	-.565	-1.123	49	-.793	.117	-.473	-1.351
16	-.617	.065	-.329	-.863	50	-.718	.095	-.380	-1.075
17	.606	.096	.910	.167	51	.453	.120	.873	.023
18	.706	.087	.943	.369	52	.669	.109	.975	.135
19	.096	.056	.273	-.124	53	.162	.079	.409	-.061
20	.376	.067	.557	.127	54	.360	.077	.592	.108
21	.502	.103	.833	.169	55	.336	.082	.642	.087
22	-.324	.043	-.155	-.484	56	-.350	.071	-.122	-.726
23	-.707	.067	-.498	-1.027	57	-.750	.083	-.487	-1.111
24	-.588	.049	-.426	-.789	58	-.444	.054	-.286	-.671
25	-.573	.051	-.406	-.812	59	-.243	.034	-.134	-.382
26	-.575	.051	-.407	-.803	60	-.460	.052	-.310	-.686
27	-.592	.050	-.426	-.819	61	-.686	.121	-.382	-1.576
28	-.609	.050	-.451	-.820	62	-.526	.109	-.293	-1.428
29	-.589	.055	-.290	-.812	63	-.292	.057	-.124	-.614
30	-.608	.051	-.423	-.789	64	-.481	.108	-.226	-1.462
31	-.605	.050	-.420	-.796	65	-.675	.140	-.251	-1.935
32	-.782	.070	-.524	-1.075	66	-.356	.111	-.084	-1.061
33	-.683	.091	-.374	-.994	67	-.121	.045	.030	-.356
34	.509	.112	.829	.038	68	.323	.122	.703	-.058

WIND ENGINEERING OF THE PEACHTREE PLAZA HOTEL
ATLANTA, GEORGIA
WIND DIRECTION 150

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT	PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
69	.541	.152	.916	.027	103	.238	.140	.844	-.121
70	.184	.097	.474	-.117	104	.118	.111	.623	-.180
71	.299	.103	.569	-.021	105	.160	.110	.648	-.126
72	.368	.143	.876	-.102	106	.184	.118	.727	-.099
73	-.456	.116	-.083	-.916	107	-.296	.170	.252	-1.011
74	-.903	.191	-.494	-2.174	108	-1.237	.478	-.246	-2.941
75	-.740	.129	-.396	-1.440	109	-.869	.340	-.187	-2.759
76	-.738	.121	-.412	-1.269	110	-.810	.304	-.184	-2.487
77	-.739	.140	.021	-1.577	111	-.804	.276	-.149	-1.985
78	-.838	.220	-.076	-1.780	112	-.701	.217	-.073	-1.861
79	-.887	.256	.023	-2.240	113	-.440	.151	-.032	-1.237
80	-.812	.194	.039	-1.782	114	-.431	.173	.129	-1.571
81	-.916	.267	-.271	-2.653	115	-.362	.087	-.102	-.759
82	-.834	.224	-.165	-2.203	116	-.363	.070	-.184	-.656
83	-.999	.266	-.223	-1.834	117	-.454	.084	-.202	-.749
84	-1.018	.196	-.299	-1.742	118	-.278	.049	-.104	-.430
85	-.008	.196	.679	-.912	119	-.271	.057	-.078	-.472
86	.392	.159	1.037	-.318	120	.192	.096	.633	-.056
87	.151	.120	.817	-.554	121	.149	.090	.468	-.104
88	.251	.120	.864	-.395	122	.167	.089	.480	-.065
89	.314	.144	.842	-.137	123	.157	.103	.530	-.140
90	-.375	.174	.181	-1.095	124	-.108	.091	.225	-.371
91	-1.133	.425	-.300	-2.923	125	-.797	.193	-.302	-1.768
92	-.826	.233	-.175	-1.703	126	.068	.077	.403	-.240
93	-.845	.221	-.037	-2.012	127	-.038	.071	.244	-.328
94	-.815	.202	-.068	-1.729	128	-.049	.085	.366	-.328
95	-.885	.321	-.145	-2.359	129	-.071	.083	.381	-.364
96	-.867	.302	.218	-2.260	130	-.003	.054	.251	-.173
97	-.666	.229	.106	-1.429	131	-.066	.069	.196	-.350
98	-.685	.246	.005	-1.846	132	-.062	.081	.303	-.372
99	-.834	.257	-.244	-1.933	133	-.072	.076	.279	-.415
100	-.815	.178	-.356	-1.386	134	.010	.058	.278	-.201
101	-.839	.165	-.335	-1.541	135	-.033	.045	.187	-.181
102	-.154	.126	.486	-.522					

WIND ENGINEERING OF THE PEACHTREE PLAZA HOTEL
ATLANTA, GEORGIA
WIND DIRECTION 180

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT	PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
1	-.465	.045	-.295	-.621	35	-.346	.140	.279	-.952
2	-.356	.034	-.219	-.461	36	-.394	.067	-.059	-.635
3	-.809	.103	-.219	-1.055	37	-.229	.077	.085	-.446
4	-.383	.053	-.232	-.605	38	-.175	.107	.290	-.452
5	-.186	.049	-.030	-.373	39	-.310	.056	-.118	-.624
6	-1.004	.089	-.684	-1.286	40	-.417	.073	-.176	-.845
7	-1.077	.092	-.622	-1.385	41	-.380	.061	-.195	-.793
8	-.182	.052	.013	-.387	42	-.365	.057	-.195	-.728
9	-.374	.078	-.178	-.774	43	-.360	.052	-.202	-.625
10	-.355	.047	-.225	-.549	44	-.430	.119	-.117	-1.223
11	-.359	.048	-.214	-.544	45	-.454	.127	-.152	-1.233
12	-.368	.048	-.230	-.537	46	-.501	.163	-.107	-1.338
13	-.364	.044	-.245	-.543	47	-.499	.174	-.064	-1.411
14	-.490	.069	-.286	-.801	48	-.635	.190	-.100	-1.486
15	-.520	.066	-.225	-.722	49	-.484	.184	.251	-1.139
16	.639	.098	.913	.169	50	.342	.216	.986	-.508
17	.723	.091	.965	.231	51	.381	.168	.843	-.225
18	-.229	.065	.074	-.468	52	-.260	.187	.515	-.993
19	-.355	.042	-.199	-.502	53	-.309	.084	-.022	-.605
20	-.242	.054	.016	-.481	54	-.137	.107	.204	-.508
21	-.225	.089	.371	-.469	55	-.050	.106	.322	-.401
22	-.301	.060	-.087	-.527	56	-.294	.103	-.026	-.850
23	-.385	.056	-.198	-.660	57	-.484	.189	-.101	-1.809
24	-.363	.053	-.163	-.631	58	-.376	.142	-.072	-1.337
25	-.356	.050	-.208	-.592	59	-.216	.080	-.038	-.687
26	-.344	.049	-.193	-.549	60	-.289	.096	-.064	-.920
27	-.376	.057	-.215	-.632	61	-.385	.191	.010	-1.578
28	-.393	.058	-.225	-.650	62	-.268	.138	.279	-.973
29	-.410	.079	-.208	-1.116	63	-.124	.095	.103	-.566
30	-.396	.075	-.185	-.879	64	-.318	.168	.176	-1.068
31	-.584	.127	-.266	-1.269	65	-.626	.218	-.032	-1.419
32	-.554	.131	.121	-1.060	66	-.063	.109	.347	-.417
33	.574	.135	.941	-.198	67	.221	.057	.414	.020
34	.615	.133	.975	-.133	68	.250	.095	.654	-.153

WIND ENGINEERING OF THE PEACHTREE PLAZA HOTEL
ATLANTA, GEORGIA
WIND DIRECTION 180

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT	PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
69	-0.000	-0.000	-0.000	-0.000	103	-0.000	-0.000	-0.000	-0.000
70	-0.000	-0.000	-0.000	-0.000	104	-0.000	-0.000	-0.000	-0.000
71	-0.000	-0.000	-0.000	-0.000	105	-0.000	-0.000	-0.000	-0.000
72	-0.000	-0.000	-0.000	-0.000	106	-0.000	-0.000	-0.000	-0.000
73	-0.000	-0.000	-0.000	-0.000	107	-0.000	-0.000	-0.000	-0.000
74	-0.000	-0.000	-0.000	-0.000	108	-0.000	-0.000	-0.000	-0.000
75	-0.000	-0.000	-0.000	-0.000	109	-0.000	-0.000	-0.000	-0.000
76	-0.000	-0.000	-0.000	-0.000	110	-0.000	-0.000	-0.000	-0.000
77	-0.000	-0.000	-0.000	-0.000	111	-0.000	-0.000	-0.000	-0.000
78	-0.000	-0.000	-0.000	-0.000	112	-0.000	-0.000	-0.000	-0.000
79	-0.000	-0.000	-0.000	-0.000	113	-0.000	-0.000	-0.000	-0.000
80	-0.000	-0.000	-0.000	-0.000	114	-0.000	-0.000	-0.000	-0.000
81	-0.000	-0.000	-0.000	-0.000	115	-0.000	-0.000	-0.000	-0.000
82	-0.000	-0.000	-0.000	-0.000	116	-0.000	-0.000	-0.000	-0.000
83	-0.000	-0.000	-0.000	-0.000	117	-0.000	-0.000	-0.000	-0.000
84	-0.000	-0.000	-0.000	-0.000	118	-0.000	-0.000	-0.000	-0.000
85	-0.000	-0.000	-0.000	-0.000	119	-0.000	-0.000	-0.000	-0.000
86	-0.000	-0.000	-0.000	-0.000	120	-0.000	-0.000	-0.000	-0.000
87	-0.000	-0.000	-0.000	-0.000	121	-0.000	-0.000	-0.000	-0.000
88	-0.000	-0.000	-0.000	-0.000	122	-0.000	-0.000	-0.000	-0.000
89	-0.000	-0.000	-0.000	-0.000	123	-0.000	-0.000	-0.000	-0.000
90	-0.000	-0.000	-0.000	-0.000	124	-0.000	-0.000	-0.000	-0.000
91	-0.000	-0.000	-0.000	-0.000	125	-0.000	-0.000	-0.000	-0.000
92	-0.000	-0.000	-0.000	-0.000	126	-0.000	-0.000	-0.000	-0.000
93	-0.000	-0.000	-0.000	-0.000	127	-0.000	-0.000	-0.000	-0.000
94	-0.000	-0.000	-0.000	-0.000	128	-0.000	-0.000	-0.000	-0.000
95	-0.000	-0.000	-0.000	-0.000	129	-0.000	-0.000	-0.000	-0.000
96	-0.000	-0.000	-0.000	-0.000	130	-0.000	-0.000	-0.000	-0.000
97	-0.000	-0.000	-0.000	-0.000	131	-0.000	-0.000	-0.000	-0.000
98	-0.000	-0.000	-0.000	-0.000	132	-0.000	-0.000	-0.000	-0.000
99	-0.000	-0.000	-0.000	-0.000	133	-0.000	-0.000	-0.000	-0.000
100	-0.000	-0.000	-0.000	-0.000	134	-0.000	-0.000	-0.000	-0.000
101	-0.000	-0.000	-0.000	-0.000	135	-0.000	-0.000	-0.000	-0.000
102	-0.000	-0.000	-0.000	-0.000					

WIND ENGINEERING OF THE PEACHTREE PLAZA HOTEL
ATLANTA, GEORGIA
WIND DIRECTION 210

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT	PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
1	-.424	.036	-.267	-.551	35	-.779	.115	-.330	-1.181
2	-.439	.036	-.317	-.552	36	-.414	.055	-.231	-.665
3	-.825	.110	-.332	-1.103	37	-.424	.059	-.239	-.667
4	-.463	.065	-.280	-.682	38	-.447	.071	-.241	-.741
5	-.528	.082	-.225	-.819	39	-.455	.073	-.255	-.787
6	-1.175	.083	-.803	-1.455	40	-.453	.076	-.254	-.849
7	-.908	.104	-.298	-1.243	41	-.421	.067	-.242	-.794
8	-.241	.046	-.068	-.385	42	-.403	.051	-.259	-.654
9	-.304	.038	-.180	-.443	43	-.383	.046	-.223	-.567
10	-.363	.040	-.258	-.510	44	-.446	.089	-.069	-.989
11	-.365	.040	-.254	-.497	45	-.473	.102	-.222	-1.077
12	-.375	.042	-.244	-.523	46	-.460	.105	-.183	-1.155
13	-.465	.065	-.271	-.745	47	-.515	.137	-.136	-1.055
14	-.551	.058	-.343	-.747	48	-.659	.106	-.304	-1.016
15	.556	.081	.768	.271	49	.450	.119	.905	.046
16	.772	.087	1.049	.316	50	.588	.118	.904	.045
17	-.386	.065	-.068	-.575	51	-.410	.081	-.114	-.778
18	-.605	.069	-.389	-.889	52	-.715	.152	-.284	-1.385
19	-.391	.045	-.229	-.578	53	-.481	.109	-.190	-1.002
20	-.395	.045	-.232	-.561	54	-.438	.102	-.140	-.926
21	-.397	.046	-.231	-.620	55	-.389	.085	-.143	-.754
22	-.409	.049	-.258	-.650	56	-.493	.126	-.115	-1.037
23	-.400	.051	-.254	-.692	57	-.563	.151	-.010	-1.273
24	-.379	.045	-.241	-.626	58	-.359	.106	-.056	-1.084
25	-.365	.041	-.248	-.525	59	-.187	.048	-.042	-.437
26	-.358	.040	-.238	-.509	60	-.305	.065	-.062	-.652
27	-.385	.045	-.225	-.571	61	-.438	.136	.074	-1.201
28	-.400	.049	-.147	-.581	62	-.269	.137	.050	-1.035
29	-.394	.055	-.245	-.662	63	-.061	.067	.089	-.385
30	-.459	.077	-.236	-.820	64	-.458	.181	-.003	-1.111
31	-.783	.091	-.411	-1.070	65	-.664	.152	-.062	-1.188
32	.522	.093	.794	.209	66	.399	.094	.777	.089
33	.728	.093	.993	.290	67	.363	.049	.518	.225
34	-.556	.085	-.285	-.913	68	-.221	.105	.133	-.633

WIND ENGINEERING OF THE PEACHTREE PLAZA HOTEL
ATLANTA, GEORGIA
WIND DIRECTION 210

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT	PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
69	-.886	.204	-.259	-1.572	103	-.638	.164	-.175	-1.319
70	-.609	.152	-.197	-1.230	104	-.382	.118	-.012	-.918
71	-.621	.154	-.189	-1.264	105	-.324	.144	.066	-.945
72	-.636	.166	.032	-1.273	106	-.170	.116	.488	-.636
73	-.643	.178	-.037	-1.536	107	-.176	.107	.368	-.737
74	-.633	.204	.029	-1.707	108	-.231	.139	2.966	-1.130
75	-.596	.195	.003	-1.473	109	-.204	.094	.032	-.789
76	-.550	.151	-.044	-1.476	110	-.195	.065	.005	-.565
77	-.461	.124	-.039	-1.039	111	-.193	.064	-.016	-.545
78	-.365	.137	.120	-1.264	112	-.082	.039	.086	-.238
79	-.471	.187	.017	-1.717	113	-.082	.040	.076	-.249
80	-.495	.174	-.014	-1.651	114	-.119	.048	.070	-.471
81	-.621	.180	-.016	-1.305	115	-.105	.043	.052	-.348
82	-.546	.149	-.014	-1.073	116	-.096	.047	.134	-.271
83	.159	.152	.760	-.316	117	-.065	.068	.195	-.355
84	.289	.155	.789	-.132	118	.030	.060	.310	-.108
85	-.413	.143	.142	-1.222	119	.069	.091	.543	-.123
86	-.922	.234	.060	-1.720	120	-.205	.061	.035	-.428
87	-.589	.161	-.184	-1.624	121	-.174	.049	-.014	-.423
88	-.573	.165	-.109	-1.232	122	-.150	.046	-.008	-.334
89	-.529	.181	.265	-1.414	123	-.157	.046	-.001	-.331
90	-.438	.197	.244	-1.442	124	-.178	.050	-.004	-.376
91	-.456	.220	.163	-1.810	125	-.136	.044	.027	-.315
92	-.425	.201	.103	-1.553	126	-.107	.044	.104	-.295
93	-.411	.168	.091	-1.360	127	-.121	.039	.102	-.309
94	-.361	.134	.164	-1.146	128	-.155	.045	-.005	-.401
95	-.201	.064	-.032	-.614	129	-.168	.046	-.026	-.422
96	-.194	.059	-.014	-.482	130	-.036	.037	.083	-.222
97	-.252	.100	.004	-.911	131	-.066	.040	.075	-.272
98	-.362	.104	-.058	-.873	132	-.156	.061	.141	-.519
99	-.356	.120	-.027	-.873	133	-.172	.063	.057	-.551
100	.041	.119	.630	-.298	134	-.020	.045	.153	-.303
101	.128	.137	.748	-.302	135	-.054	.035	.065	-.260
102	-.325	.129	.153	-.973					

WIND ENGINEERING OF THE PEACHTREE PLAZA HOTEL
ATLANTA, GEORGIA
WIND DIRECTION 240

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT	PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
1	-.564	.040	-.404	-.701	35	-.520	.062	-.334	-.786
2	-.552	.033	-.420	-.659	36	-.547	.066	-.348	-.839
3	-.703	.100	-.272	-1.105	37	-.513	.063	-.321	-.963
4	-.557	.050	-.383	-.766	38	-.520	.058	-.336	-1.041
5	-1.246	.092	-.844	-1.540	39	-.533	.067	-.337	-1.216
6	-1.347	.087	-1.015	-1.751	40	-.530	.078	-.287	-1.197
7	-.470	.068	-.221	-.702	41	-.588	.089	-.292	-1.235
8	-.328	.046	-.165	-.493	42	-.584	.074	-.342	-1.189
9	-.595	.061	-.391	-.873	43	-.569	.065	-.348	-1.044
10	-.602	.060	-.446	-.858	44	-.533	.082	-.304	-1.195
11	-.594	.060	-.444	-.853	45	-.512	.084	-.238	-.856
12	-.642	.076	-.435	-.963	46	-.566	.106	-.259	-1.027
13	-.815	.078	-.577	-1.117	47	-.764	.118	-.360	-1.152
14	.372	.080	.734	.060	48	.283	.122	.727	-.191
15	.812	.091	1.110	.472	49	.668	.136	1.067	.130
16	-.351	.081	.052	-.627	50	-.512	.124	.072	-1.050
17	-.988	.086	-.678	-1.268	51	-.746	.098	-.388	-1.132
18	-.564	.054	-.377	-.737	52	-.444	.068	-.229	-.719
19	-.587	.057	-.400	-.821	53	-.492	.066	-.278	-.846
20	-.591	.058	-.411	-.856	54	-.453	.060	-.156	-.658
21	-.589	.058	-.409	-.850	55	-.458	.051	-.292	-.673
22	-.612	.058	-.423	-.815	56	-.478	.067	-.230	-.826
23	-.615	.060	-.423	-.894	57	-.518	.063	-.314	-.824
24	-.619	.060	-.437	-.876	58	-.387	.085	-.195	-1.073
25	-.597	.060	-.438	-.861	59	-.291	.048	-.168	-.652
26	-.589	.058	-.421	-.838	60	-.386	.067	-.212	-.946
27	-.560	.063	-.362	-.936	61	-.592	.099	-.281	-1.059
28	-.540	.068	-.334	-1.081	62	-.322	.072	-.114	-.633
29	-.559	.081	-.296	-1.006	63	-.225	.054	-.067	-.495
30	-1.018	.108	-.482	-1.427	64	-.519	.110	-.154	-.933
31	.346	.097	.667	-.156	65	.251	.125	.728	-.136
32	.778	.112	1.065	.020	66	.552	.096	.833	.266
33	-.392	.100	-.009	-.800	67	.023	.040	.162	-.125
34	-1.015	.111	-.664	-1.430	68	-.526	.098	-.189	-.846

WIND ENGINEERING OF THE PEACHTREE PLAZA HOTEL
ATLANTA, GEORGIA
WIND DIRECTION 240

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT	PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
69	-.580	.097	-.312	-1.059	103	-.731	.138	-.359	-1.424
70	-.586	.091	-.350	-1.299	104	-.528	.109	-.257	-1.228
71	-.579	.079	-.330	-.970	105	-.443	.085	-.177	-.934
72	-.598	.081	-.337	-1.082	106	-.430	.067	-.177	-.801
73	-.618	.104	-.376	-1.150	107	-.480	.095	-.194	-.902
74	-.667	.131	-.340	-1.255	108	-.491	.118	-.085	-1.108
75	-.703	.136	-.362	-1.434	109	-.610	.171	-.106	-1.385
76	-.686	.121	-.421	-1.271	110	-.286	.228	.508	-1.123
77	-.629	.112	-.343	-1.308	111	-.439	.164	.072	-1.022
78	-.696	.132	-.335	-1.468	112	-.432	.065	-.168	-.755
79	-.711	.126	-.420	-1.320	113	-.232	.130	.226	-.857
80	-.964	.152	-.504	-1.595	114	-.247	.116	.059	-.677
81	-.610	.164	-.146	-1.166	115	-.167	.086	.141	-.557
82	.206	.122	.695	-.290	116	-.011	.091	.312	-.355
83	.403	.169	.998	-.132	117	.094	.103	.498	-.462
84	-.539	.131	.062	-.977	118	.057	.108	.621	-.434
85	-.925	.141	-.524	-1.477	119	-.101	.079	.254	-.552
86	-.639	.113	-.344	-1.162	120	-.452	.052	-.311	-.707
87	-.656	.123	-.293	-1.426	121	-.398	.048	-.249	-.600
88	-.607	.092	-.288	-1.032	122	-.411	.042	-.271	-.596
89	-.580	.112	-.251	-1.207	123	-.436	.056	-.285	-.834
90	-.640	.145	-.216	-1.404	124	-.461	.070	-.275	-.830
91	-.674	.167	-.198	-1.643	125	-.421	.072	-.230	-.830
92	-.712	.168	-.145	-1.561	126	-.376	.044	-.222	-.615
93	-.667	.151	.035	-1.314	127	-.392	.046	-.194	-.674
94	-.677	.122	-.302	-1.375	128	-.411	.064	-.135	-.847
95	-.693	.220	-.108	-1.858	129	-.359	.066	-.095	-.636
96	-.658	.144	-.337	-1.518	130	-.246	.045	-.048	-.471
97	-.911	.202	-.338	-1.578	131	-.316	.044	-.174	-.580
98	-.508	.168	-.060	-1.184	132	-.422	.073	-.129	-.774
99	.079	.136	.692	-.361	133	-.398	.080	-.116	-.857
100	.257	.186	.835	-.207	134	-.191	.051	.030	-.436
101	-.507	.149	.216	-.949	135	-.236	.044	-.065	-.501
102	-.991	.165	-.575	-1.638					

WIND ENGINEERING OF THE PEACHTREE PLAZA HOTEL
ATLANTA, GEORGIA
WIND DIRECTION 270

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT	PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
1	-.624	.039	-.491	-.785	35	-.778	.075	-.556	-1.177
2	-.768	.046	-.580	-.925	36	-.708	.074	-.452	-1.048
3	-.747	.076	-.481	-1.053	37	-.678	.071	-.410	-.950
4	-.716	.078	-.454	-1.081	38	-.639	.070	-.363	-.913
5	-1.562	.087	-1.217	-1.828	39	-.667	.076	-.359	-.959
6	-1.560	.085	-1.209	-1.816	40	-.683	.075	-.407	-1.057
7	-.425	.046	-.265	-.594	41	-.738	.073	-.481	-1.023
8	-.331	.050	-.179	-.597	42	-.831	.077	-.469	-1.056
9	-.661	.046	-.496	-.806	43	-.841	.062	-.623	-1.041
10	-1.057	.085	-.746	-1.336	44	-.825	.083	-.537	-1.070
11	-.986	.069	-.736	-1.234	45	-.841	.084	-.548	-1.110
12	-1.274	.086	-.927	-1.553	46	-1.183	.114	-.803	-1.563
13	.021	.086	.373	-.285	47	-.020	.102	.352	-.368
14	.815	.096	1.084	.382	48	.757	.121	1.110	.288
15	-.223	.090	.120	-.624	49	-.153	.095	.140	-.509
16	-1.391	.095	-1.046	-1.711	50	-1.174	.103	-.825	-1.529
17	-.925	.080	-.708	-1.232	51	-.583	.052	-.362	-.792
18	-.974	.095	-.751	-1.702	52	-.553	.051	-.395	-.788
19	-.886	.089	-.576	-1.184	53	-.583	.054	-.397	-.779
20	-.863	.075	-.531	-1.141	54	-.512	.048	-.321	-.685
21	-.787	.077	-.496	-1.047	55	-.472	.037	-.346	-.607
22	-.886	.087	-.561	-1.412	56	-.471	.049	-.296	-.725
23	-.882	.077	-.607	-1.221	57	-.595	.059	-.407	-.897
24	-1.046	.108	-.698	-1.462	58	-.280	.035	-.172	-.416
25	-.888	.101	-.385	-1.197	59	-.564	.059	-.218	-.738
26	-.904	.065	-.634	-1.107	60	-.637	.060	-.450	-.893
27	-.846	.063	-.597	-1.087	61	-.797	.093	-.477	-1.117
28	-.874	.065	-.624	-1.148	62	-.462	.063	-.234	-.642
29	-1.313	.090	-1.004	-1.677	63	-.505	.059	-.275	-.695
30	-.034	.099	.326	-.396	64	.055	.093	.352	-.231
31	.811	.101	1.104	.430	65	.651	.136	.979	.187
32	-.225	.101	.117	-.607	66	.048	.069	.255	-.219
33	-1.380	.098	-1.041	-1.691	67	-.237	.038	-.094	-.349
34	-.734	.063	-.519	-.944	68	-.344	.036	-.212	-.469

WIND ENGINEERING OF THE PEACHTREE PLAZA HOTEL
ATLANTA, GEORGIA
WIND DIRECTION 270

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT	PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
69	-.574	.047	-.416	-.753	103	-.610	.055	-.442	-.939
70	-.587	.044	-.425	-.740	104	-.599	.041	-.438	-.742
71	-.596	.044	-.421	-.755	105	-.552	.042	-.434	-.714
72	-.596	.042	-.459	-.761	106	-.581	.041	-.463	-.730
73	-.561	.047	-.371	-.748	107	-.598	.044	-.469	-.755
74	-.597	.053	-.395	-.879	108	-.613	.050	-.479	-.858
75	-.711	.109	-.414	-1.212	109	-.748	.115	-.428	-1.286
76	-.699	.141	.100	-1.126	110	-.421	.204	.243	-1.027
77	-.735	.082	-.434	-1.012	111	-.570	.121	-.083	-.992
78	-.741	.082	-.436	-1.042	112	-.537	.057	-.332	-.843
79	-.794	.072	-.552	-1.009	113	-.355	.161	.149	-1.061
80	-.970	.126	-.587	-1.347	114	-.185	.099	.096	-.696
81	.054	.126	.534	-.331	115	.027	.086	.401	-.303
82	.530	.151	.924	.061	116	.180	.103	.545	-.093
83	-.190	.119	.267	-.543	117	.183	.097	.611	-.064
84	-.950	.078	-.701	-1.240	118	-.046	.135	.485	-.656
85	-.559	.046	-.405	-.792	119	-.109	.098	.264	-.448
86	-.580	.040	-.436	-.765	120	-.624	.054	-.461	-.889
87	-.580	.035	-.464	-.732	121	-.554	.049	-.394	-.761
88	-.583	.036	-.440	-.718	122	-.557	.054	-.392	-.814
89	-.539	.040	-.413	-.687	123	-.576	.059	-.389	-.838
90	-.575	.041	-.426	-.725	124	-.598	.061	-.405	-.863
91	-.595	.045	-.427	-.763	125	-.568	.063	-.392	-.949
92	-.724	.101	-.394	-1.255	126	-.477	.058	-.217	-.737
93	-.591	.148	.133	-1.028	127	-.536	.048	-.397	-.837
94	-.701	.086	-.422	-1.010	128	-.597	.058	-.417	-.875
95	-.661	.119	-.342	-1.237	129	-.549	.059	-.374	-.834
96	-.695	.072	-.493	-.984	130	-.496	.049	-.347	-.754
97	-.848	.159	-.368	-1.371	131	-.519	.058	-.335	-.779
98	.042	.136	.665	-.399	132	-.672	.104	-.398	-1.188
99	.388	.152	.869	-.080	133	-.750	.140	-.370	-1.307
100	-.222	.144	.336	-.661	134	-.572	.094	-.325	-.985
101	-.789	.076	-.582	-1.067	135	-.493	.074	-.275	-.863
102	-.592	.054	-.435	-.918					

WIND ENGINEERING OF THE PEACHTREE PLAZA HOTEL
ATLANTA, GEORGIA
WIND DIRECTION 300

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT	PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
1	-.623	.033	-.493	-.739	35	-.817	.057	-.641	-1.047
2	-.842	.051	-.623	-1.002	36	-.791	.058	-.597	-1.043
3	-.806	.061	-.616	-1.050	37	-.787	.058	-.597	-1.022
4	-.898	.122	-.362	-1.310	38	-.758	.056	-.547	-.983
5	-1.480	.080	-1.025	-1.744	39	-.772	.056	-.581	-1.008
6	-1.372	.087	-.943	-1.663	40	-.781	.058	-.604	-1.015
7	-.560	.049	-.386	-.749	41	-1.442	.139	-.925	-1.899
8	-.586	.060	-.384	-.889	42	.144	.166	.600	-.308
9	-.975	.148	-.638	-1.669	43	-.017	.070	.318	-.229
10	-.126	.048	.092	-.277	44	-.119	.055	.078	-.305
11	-.340	.041	-.188	-.458	45	-.346	.049	-.161	-.510
12	.027	.075	.333	-.214	46	.033	.097	.312	-.315
13	.837	.094	1.104	.462	47	.553	.086	.780	.242
14	-.050	.093	.260	-.465	48	.041	.092	.362	-.289
15	-1.335	.075	-1.031	-1.537	49	-1.130	.071	-.901	-1.351
16	-.800	.053	-.628	-1.019	50	-.491	.045	-.373	-.659
17	-.786	.059	-.641	-1.116	51	-.337	.032	-.245	-.480
18	-.816	.061	-.657	-1.103	52	-.243	.033	-.147	-.393
19	-.826	.062	-.669	-1.120	53	-.715	.069	-.367	-.971
20	-.823	.060	-.648	-1.096	54	-.530	.057	-.387	-.892
21	-.816	.050	-.673	-1.018	55	-.252	.054	-.133	-.613
22	-.831	.052	-.678	-1.032	56	-.430	.050	-.153	-.601
23	-.835	.052	-.670	-1.037	57	-.709	.051	-.566	-.903
24	-1.597	.112	-1.213	-1.959	58	-.438	.061	-.257	-.638
25	.121	.110	.557	-.251	59	.056	.048	.207	-.084
26	-.071	.051	.116	-.236	60	.039	.048	.219	-.123
27	-.124	.054	.062	-.289	61	-.143	.042	-.019	-.293
28	-.401	.044	-.226	-.569	62	.009	.027	.101	-.098
29	.053	.086	.349	-.329	63	.112	.029	.207	.001
30	.818	.100	1.072	.412	64	.558	.059	.710	.374
31	.006	.092	.308	-.339	65	-.087	.121	.285	-.439
32	-1.472	.097	-1.137	-1.819	66	-.256	.051	-.076	-.419
33	-.776	.055	-.619	-1.116	67	.086	.022	.154	.010
34	-.806	.052	-.626	-1.046	68	-.327	.038	-.204	-.557

WIND ENGINEERING OF THE PEACHTREE PLAZA HOTEL
ATLANTA, GEORGIA
WIND DIRECTION 300

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT	PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
69	-.648	.059	-.360	-.851	103	-.640	.060	-.390	-.913
70	-.663	.052	-.476	-.827	104	-.657	.054	-.488	-.865
71	-.671	.051	-.468	-.853	105	-.594	.058	-.376	-.783
72	-.653	.053	-.429	-.830	106	-.639	.055	-.452	-.831
73	-.621	.047	-.392	-.790	107	-.659	.057	-.465	-.873
74	-.656	.046	-.461	-.817	108	-.667	.060	-.460	-.987
75	-1.225	.131	-.857	-1.659	109	-1.013	.153	-.487	-1.726
76	-.087	.145	.462	-.458	110	-.107	.164	.493	-.585
77	-.114	.067	.158	-.319	111	-.214	.080	.184	-.448
78	-.227	.061	.012	-.439	112	-.421	.054	-.197	-.634
79	-.441	.053	-.220	-.612	113	.219	.147	.673	-.247
80	-.072	.117	.290	-.448	114	.036	.082	.324	-.331
81	.620	.154	1.055	.153	115	.111	.092	.553	-.196
82	-.129	.132	.387	-.504	116	.040	.090	.422	-.222
83	-.966	.095	-.585	-1.312	117	-.256	.064	.061	-.486
84	-.643	.066	-.437	-.931	118	-.508	.087	-.238	-.911
85	-.592	.065	-.293	-.989	119	-.498	.074	-.153	-.753
86	-.611	.061	-.359	-.871	120	-.595	.050	-.415	-.822
87	-.627	.054	-.443	-.813	121	-.580	.058	-.418	-.882
88	-.625	.054	-.423	-.829	122	-.499	.048	-.372	-.744
89	-.551	.058	-.201	-.770	123	-.478	.047	-.341	-.695
90	-.610	.050	-.445	-.805	124	-.578	.065	-.347	-.893
91	-.620	.051	-.450	-.814	125	-.555	.065	-.352	-.877
92	-1.135	.140	-.712	-1.626	126	-.440	.052	-.275	-.651
93	.013	.152	.600	-.360	127	-.476	.051	-.341	-.675
94	-.187	.065	.117	-.391	128	-.664	.073	-.476	-1.049
95	-.252	.064	.013	-.504	129	-.705	.076	-.500	-1.060
96	-.458	.053	-.277	-.653	130	-.451	.054	-.298	-.749
97	-.134	.144	.353	-.565	131	-.436	.050	-.253	-.626
98	.408	.150	.877	.002	132	-.764	.105	-.451	-1.261
99	-.142	.131	.388	-.552	133	-.983	.133	-.546	-1.553
100	-.730	.095	-.411	-1.167	134	-.567	.084	-.319	-.905
101	-.655	.106	-.369	-1.247	135	-.514	.089	-.243	-.997
102	-.635	.061	-.389	-.867					

WIND ENGINEERING OF THE PEACHTREE PLAZA HOTEL
ATLANTA, GEORGIA
WIND DIRECTION 330

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT	PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
1	-.726	.047	-.575	-.886	35	-.768	.055	-.580	-.994
2	-.957	.076	-.672	-1.193	36	-.768	.054	-.596	-.978
3	-.852	.081	-.628	-1.238	37	-.789	.051	-.641	-.955
4	-1.195	.084	-.802	-1.438	38	-.743	.051	-.575	-.911
5	-1.247	.082	-.905	-1.517	39	-.615	.044	-.473	-.803
6	-.888	.072	-.559	-1.158	40	-.629	.058	-.429	-.942
7	-.732	.062	-.515	-1.034	41	-1.246	.128	-.689	-1.670
8	-.995	.084	-.724	-1.283	42	.477	.098	.737	.086
9	-.856	.064	-.676	-1.096	43	.303	.051	.442	.108
10	.506	.071	.749	.225	44	.429	.069	.642	.203
11	.382	.068	.602	.013	45	.327	.083	.591	.037
12	.839	.088	1.070	.486	46	.708	.098	.972	.314
13	.156	.090	.482	-.274	47	.120	.055	.318	-.058
14	-1.347	.082	-1.004	-1.610	48	-.651	.068	-.434	-.857
15	-.851	.065	-.650	-1.169	49	-.704	.057	-.548	-.948
16	-.757	.049	-.407	-1.197	50	-.279	.037	-.171	-.410
17	-.792	.051	-.609	-.971	51	-.062	.025	.023	-.152
18	-.825	.051	-.653	-1.028	52	-.148	.031	-.048	-.237
19	-.828	.052	-.644	-1.060	53	-.712	.056	-.508	-.907
20	-.823	.052	-.631	-1.067	54	-.346	.041	-.180	-.483
21	-.812	.050	-.647	-1.019	55	.039	.023	.118	-.038
22	-.825	.053	-.660	-1.064	56	-.240	.040	-.064	-.448
23	-.860	.066	-.670	-1.403	57	-.698	.070	-.425	-1.073
24	-1.290	.132	-.762	-1.819	58	-.374	.071	-.093	-.626
25	.517	.092	.812	.185	59	.375	.031	.464	.266
26	.574	.081	.825	.288	60	.529	.061	.698	.323
27	.516	.081	.753	.242	61	.359	.091	.597	.057
28	.394	.080	.635	.086	62	.388	.039	.502	.254
29	.818	.105	1.070	.469	63	.445	.027	.527	.352
30	.091	.100	.402	-.326	64	.319	.076	.583	.069
31	-1.227	.094	-.937	-1.559	65	-.916	.089	-.621	-1.251
32	-.785	.080	-.553	-1.120	66	.127	.032	.223	-.032
33	-.774	.055	-.574	-.999	67	-0.000	-0.000	-0.000	-0.000
34	-.790	.055	-.556	-.986	68	-.215	.036	-.066	-.375

WIND ENGINEERING OF THE PEACHTREE PLAZA HOTEL
ATLANTA, GEORGIA
WIND DIRECTION 330

PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT	PRESSURE TAP NUMBER	MEAN PRESSURE COEFFICIENT	RMS PRESSURE COEFFICIENT	MAXIMUM PRESSURE COEFFICIENT	MINIMUM PRESSURE COEFFICIENT
69	-.650	.056	-.454	-.862	103	-.690	.090	-.412	-1.040
70	-.662	.047	-.518	-.821	104	-.811	.097	-.560	-1.361
71	-.661	.049	-.481	-.813	105	-.744	.093	-.467	-1.155
72	-.650	.054	-.471	-.836	106	-.757	.095	-.396	-1.225
73	-.643	.057	-.436	-.872	107	-.765	.100	-.431	-1.189
74	-.663	.064	-.432	-1.018	108	-.758	.098	-.433	-1.197
75	-1.103	.112	-.748	-1.477	109	-1.117	.152	-.630	-1.672
76	.311	.109	.643	-.050	110	-.066	.112	.340	-.465
77	.394	.104	.752	.055	111	-.056	.058	.161	-.273
78	.140	.095	.398	-.163	112	-.248	.063	.005	-.532
79	-.063	.085	.245	-.301	113	.056	.136	.633	-.309
80	.447	.142	.842	.029	114	-.085	.085	.364	-.465
81	.137	.117	.540	-.294	115	-.043	.060	.193	-.227
82	-.865	.094	-.580	-1.174	116	-.143	.051	.056	-.290
83	-.723	.086	-.452	-1.096	117	-.434	.049	-.236	-.629
84	-.664	.061	-.471	-.907	118	-.517	.073	-.308	-.880
85	-.652	.064	-.324	-.889	119	-.389	.035	-.271	-.511
86	-.653	.062	-.423	-.946	120	-.537	.069	-.247	-.798
87	-.675	.060	-.491	-.948	121	-.442	.098	.022	-.842
88	-.667	.060	-.466	-.902	122	-.429	.067	-.120	-.769
89	-.642	.060	-.444	-.852	123	-.469	.056	-.297	-.720
90	-.641	.061	-.429	-.906	124	-.577	.083	-.285	-1.019
91	-.661	.064	-.431	-1.096	125	-.451	.106	.159	-.808
92	-1.183	.123	-.731	-1.610	126	-.410	.063	-.135	-.717
93	.158	.118	.560	-.249	127	-.437	.056	-.181	-.623
94	.199	.093	.549	-.083	128	-.553	.105	-.086	-.905
95	-.124	.057	.059	-.425	129	-.438	.116	-.001	-.800
96	-.323	.050	-.118	-.458	130	-.210	.089	.154	-.564
97	.182	.117	.606	-.309	131	-.348	.057	-.067	-.655
98	.259	.124	.651	-.124	132	-.584	.140	-.009	-1.003
99	-.664	.088	-.342	-.941	133	-.691	.132	-.229	-1.307
100	-.719	.070	-.489	-1.027	134	-.267	.077	-.021	-.538
101	-.648	.078	-.413	-1.265	135	-.297	.076	-.076	-.587
102	-.663	.075	-.439	-1.001					