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EOCR Building Wake Effects on Atmospheric Diffusion

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EOCR BUILDING WAKE EFFECTS ON ATMOSPHERIC DIFFUSON*

G. E. Start, N. F. Hukari, J. F. Sagendorf,
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Abstract

A series of 22 simultaneous releases of three gaseous tracers was conducted around the EOCR test reactor building at the Idaho National Engineering Laboratory in SE Idaho. Hourly averaged gaseous tracer concentrations were sampled on several concentric sampling arcs and at a limited number of elevated locations. Winds and temperatures were measured on a nearby 30m tower. Complete data appendices provide tracer concentration measurements, temperatures, winds and detailed wind statistics, derived diffusion statistics, and plots and analyses.

Building related effects upon diffusion near and downwind of the structure were grouped into 3 regions of characteristic behavior, a near building or cavity zone, a transition zone, and a far wake zone. Near the structure, vertical circulations altered the heights of tracer plume centers-of-mass and/or plume centerlines and produced a rapidly enhanced vertical diffusion. Elevated releases of tracer were conveyed downward with ground-level concentrations exceeding expectations from a Gaussian formulation for their physical release height; ground-level releases of tracer were substantially elevated so that ground-level concentrations were less than expected. Rapid vertical diffusion near the building yielded σ_z values 4-10 times greater than expected from Pasquill-Gifford curves. Within the transition zone rates of vertical diffusion were less than atmospheric; σ_z values returned to open-terrain expectations and continued near these open-terrain values within the far wake. Lateral plume spreading was well described by observed standard deviations of wind direction (σ_θ), except when σ_θ was less than 10 to 15^o; with $\sigma\theta$ <10^o a noticeable building induced plume broadening existed. The downwind extent of significant building alteration of rates of diffusion was from 100 to 400m (about 4 to 16 reference lengths); σ_y and σ_z values were nearly the open-terrain values by 400 to 800m (16 to 32 reference lengths). The building alterations of plume diffusion and maximum ground-level concentrations were minimal for stability category A and became largest for strongly stable categories (F and G). An initial volumetric plume dilution, the "cA term", did not properly correct the Gaussian plume equation. Changes in vertical distributions of plume mass still influenced maximum ground-level concentrations to 1600m (about 64 reference lengths) downwind. Because of this alteration of vertical plume mass distribution, the assumption of a Gaussian distribution was poor and calculations using the exponential term were inappropriate.

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1.0 INTRODUCTION

Safety considerations, especially with respect to pollutant concentrations in the atmosphere, are playing a major role in the design and operation of nuclear power plants. Since pollutant concentrations are often greatest under low windspeed inversion conditions, a multi-part testing program has been undertaken to investigate the diffusion characteristics of the atmosphere under these conditions.

The first test series was conducted in 1974 at the Idaho National Engineering Laboratory (INEL) in the Eastern Idaho Desert (Sagendorf and Dickson, 1974), during conditions of low (less than 2.0 m/s) windspeed and temperature inversion over the flat terrain.

A second phase of testing was conducted during the summer of 1974 to contrast the effects of desert meteorological conditions with similar atmospheric conditions over a wooded, hilly terrain. The site of this second series was a proposed nuclear power station near Oak Ridge, Tennessee (Wilson, et al., 1976).

A need existed to examine the diffusive characteristics of the atmosphere under a variety of thermodynamic and hydrodynamic conditions in the vicinity of reactor complexes. A series of tests at the Rancho Seco Nuclear Power Station in 1975 have been previously described by Start, et al., 1977). Sagendorf et al, (1980) reported on the diffusion adjacent to both the Rancho Seco reactor complex and the EOCR complex in detail. The series of tests herein reported were conducted in 1975 and 1976 around the EOCR reactor building located on the INEL. Figure 1 is an aerial view of this reactor building.

The EOCR reactor complex is dominated by the large reactor building. This building has a square base with each side having a length of about 36.6 meters. The highest part of the roof has a height of 25 meters above ground level. The top of the stack is at a height of 30 meters. One small storage tank is located north of the buildings with additional tanks immediately northwest. The terrain over the sampling grid varies from a high point of 4960 feet MSL approximately 200 meters northeast of the building to a low point of 4920 feet MSL some 3200 meters to the northeast. Most of the grid is sagebrush covered.

When a building protrudes into the atmospheric flow, it produces distortions in the pressure and velocity fields. These distortions are loosely termed "building wake". "Cavity" refers to that portion of the wake immediately downwind of the structure. More complete discussion of aerodynamic flow around structures may be found in standard reference (e.g., Halitsky, 1968).

The EOCR experiment was conducted over a two-year period. It was designed to study atmospheric diffusion under a variety of stability and wind conditions and evaluate the building wake effects on dispersion.

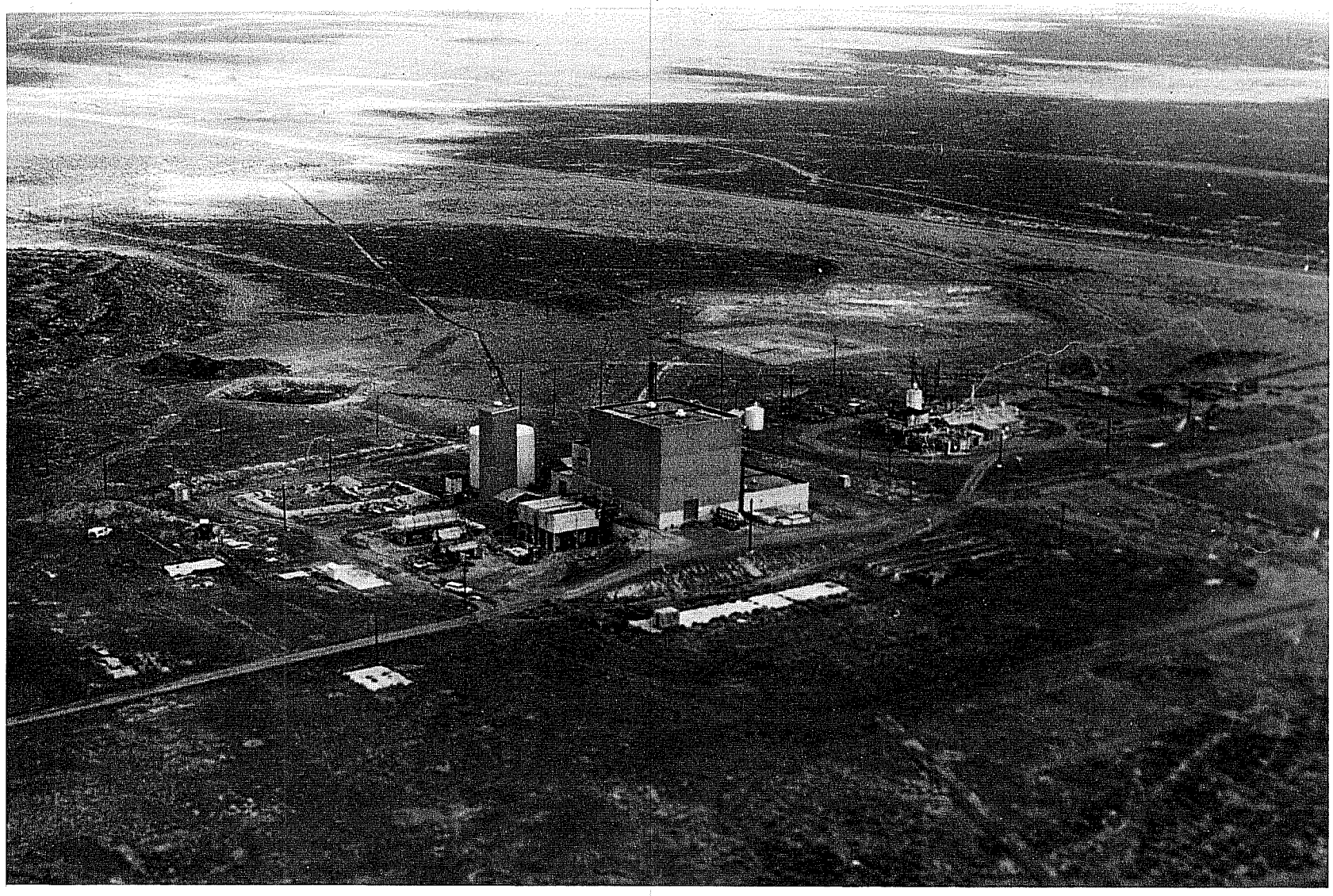

Figure 1. Aerial view of the EOCR reactor building looking east.

2.0 DIFFUSION THEORY

2.1 The Diffusion Equation

The windspeed-normalized relative concentrations are given in the form Cu/Q, where C is the concentration (in gm m^{-3}), u is the mean windspeed through the effluent-carrying layer (in m s^{-1}), and Q is the source strength (in gm s^{-1}). These concentration values may be related to the plume axis height above the ground (H) and to spatial Cartesian coordinates (x,y,z) through the Gaussian diffusion equation.

$$\frac{C(x,y,z;H)u}{Q} = \frac{1}{2\pi\sigma_y\sigma_z} \exp\left\{-\frac{1}{2}\left(\frac{y}{\sigma_y}\right)^2\right\}\left[\exp\left\{-\frac{1}{2}\left(\frac{z-H}{\sigma_z}\right)^2\right\} + \exp\left\{\frac{1}{2}\left(\frac{z+H}{\sigma_z}\right)^2\right\}\right] \quad (1)$$

Values for σ_y and σ_z, the standard deviations of effluent concentrations in the lateral and vertical coordinate directions (Pasquill, 1961 and Gifford, 1961 e.g.) have been determined for various stability categories. By direct measurements of some of the variables (x,u,Q) and by plume centerline sampling (y=0, z=0, H=0), the above equation simplifies so that comparisons may be made with σ_y and σ_z values commonly accepted for a given stability. If the receptors are at ground level, Equation (1) may be expressed as

$$\frac{C(x,y,o;H)u}{Q} = \frac{1}{\pi\sigma_y\sigma_z} \exp\left\{-\frac{1}{2}\left(\frac{y^2}{\sigma_y^2} + \frac{H^2}{\sigma_z^2}\right)\right\} \quad (2)$$

The factor of two accounting for ground reflection of the plume is included as is customary. Integration of Equation (2) with respect to y yields the familiar expression for the crosswind integrated concentration from a continuous, elevated-point source.

$$CIC(x;H) = \frac{2\,Q}{\pi\, u\sigma_z} \exp\left\{-\frac{1}{2}\left(\frac{H}{\sigma_z}\right)^2\right\} \quad (3)$$

Equations (1), (2), and (3) are widely known Gaussian plume formulas and may be examined in greater detail by referring to appropriate books and papers (e.g., Gifford, 1968 or Pasquill, 1974).

With cross-wind oriented samples of ground-level concentrations C(x,y,o), the second moment of the lateral effluent-concentration distribution for a fixed downwind-distance, x, is

$$\sigma_y^2 = \sum^{N}\left\{C(y).(y-y_o)^2\right\} \Big/ N.\sum^{N} C(y) \quad (4)$$

where the position of the center of mass of the mean plume, y_o, is

$$y_o = \sum^{N} \left\{ C(y) . y \right\} \Big/ \sum^{N} C(y) \qquad (5)$$

If Equation (3) is solved for the effective σ_z (a virtual value of vertical spreading), the centerline Gaussian continuous point source equation for an elevated plume near a reflecting boundary is

$$\sigma_z(\text{effective}) = \sigma_z \exp \left\{ \frac{1}{2} \left(\frac{H}{\sigma_z} \right)^2 \right\} = \frac{2\,Q}{\pi\, u\, CIC(x;H)} \qquad (6)$$

where H is the mean plume-axis height at downwind distance x, and σ_z is the Gaussian parameter for the plume with centerline at height H instead of the virtual value effective at ground-level (σ_z (effective)).

2.2 Building Wake Modifications of the Diffusion Equation

A simplified method to allow additional plume spreading behind the building structure is expressed as

$$\frac{C(x,o,z;H)u}{Q} = \frac{1}{2\pi(\sigma_y\sigma_z + cA)} \left[\exp \left\{ -\frac{1}{2} \left(\frac{z-H}{\sigma_z} \right)^2 \right\} + \exp \left\{ -\frac{1}{2} \left(\frac{z+H}{\sigma_z} \right)^2 \right\} \right] \qquad (7)$$

Where A represents the area of the structure in the Y-Z (cross-wind oriented) plane and c is an appropriate constant. c is usually assigned the value 0.5, which Gifford (1961) chose by intuition as a plausible lower estimate of the fraction of the structural area producing an initial plume spreading. For Z and H both equal to zero, Equation (7) reduces to

$$\frac{C(x,o,o;o)u}{Q} = \frac{1}{\pi(\sigma_y\sigma_z + cA)} \qquad (8)$$

In subsequent sections, Equation (7) will be evaluated with Pasquill-Gifford values of σ_y and σ_z, an area A equal to 1090 m^2, and c valued at 0.5.

3.0 MEASUREMENT AND ANALYSIS

3.1 Sampling grid

The sampling grid, as laid out for the 1975 series, consisted of five circular areas centered on the reactor building. Arc radii were 37, 68, 187, 386 and 794 meters. The 187 meter arc contained no ground samplers during any of the tests. The remaining arcs had sampler positions every six degrees. Additional arcs at 1200 and 1600 meters were used during the year 1976. These arcs had sampler positions every three degrees.

Positions were numbered clockwise beginning at north on the inner-most arc. Each arc was divided into six sectors which could be independently activated from the test control position. In addition four samplers were positioned on the auxilary wing roof of the EOCR building.

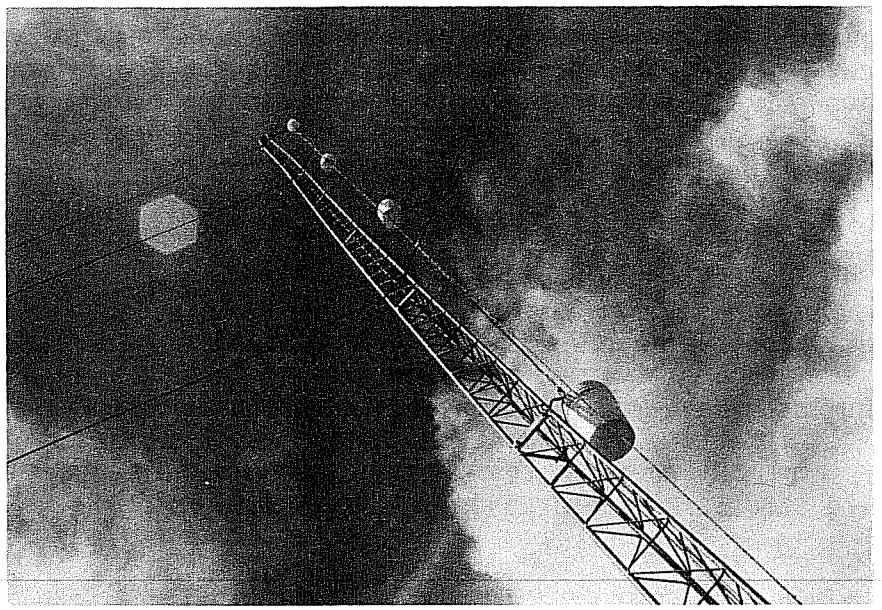

Figure 2. Vertical sampling tower with four suspended samplers at 7.5, 15, 22.5, and 30m above ground.

Vertical samples were taken at ground-level sampling positions 90, 93, 150, 153, 210, and 213 using one hundred foot towers. The sampling interval was twenty-five feet on all towers (fig. 2). A photograph of one of the sampler boxes was given by Start, et al, (1977). A plot plan of the EOCR grid was shown in figure 3. Arc distances have been rounded off to the nearest fifty meters for discussion purposes during the remainder of this report.

3.2 Photographic Description of Test Site

Each of the previously mentioned subparts of the field study, together with the relative magnitudes of the terrain features, may be related to the aerial photograph in figure 4. The EOCR complex is visible in the center of the photograph. The outer-most arc shown is the 800 meter arc. Features in the photograph may be correlated with the terrain map (fig. 5), the plot plan (fig. 3), and with the details of the concentration isopleth analyses found in Appendicies E, F, and G.

3.3 Meteorological Instrumentation

Meteorological data for both series of tests came from an instrumented tower located 150 meters northwest of the grid center. Since

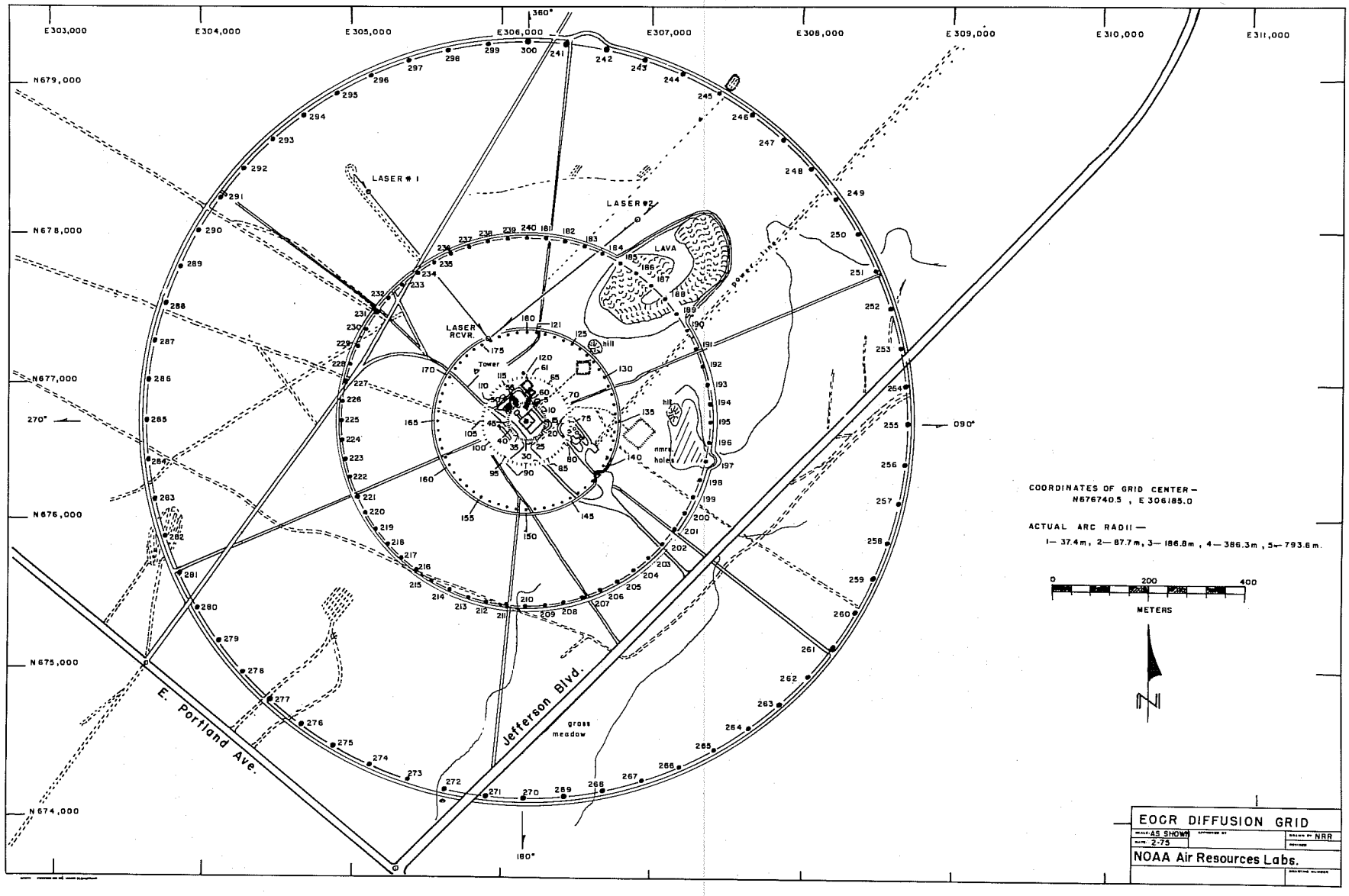

Figure 3. Plot plan of the innermost arcs of the EOCR grid. The outermost grid is at 800 m.

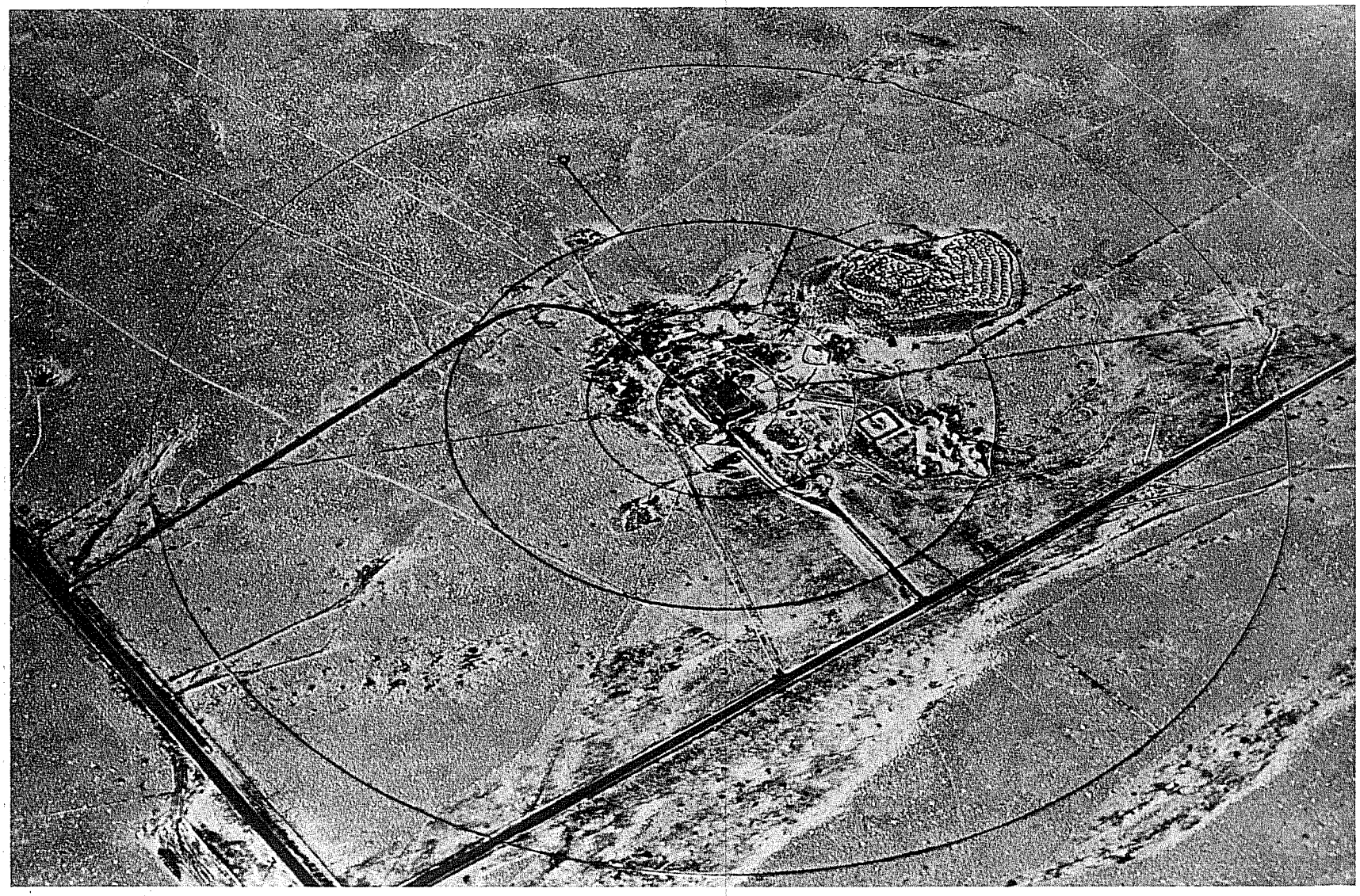

Figure 4. Aerial view of the innermost arcs of the EOCR grid. Photograph may be compared to the plot plan shown in figure 3. The outer circle corresponds to the 800 m arc of fig. 3. North is at the top of the picture.

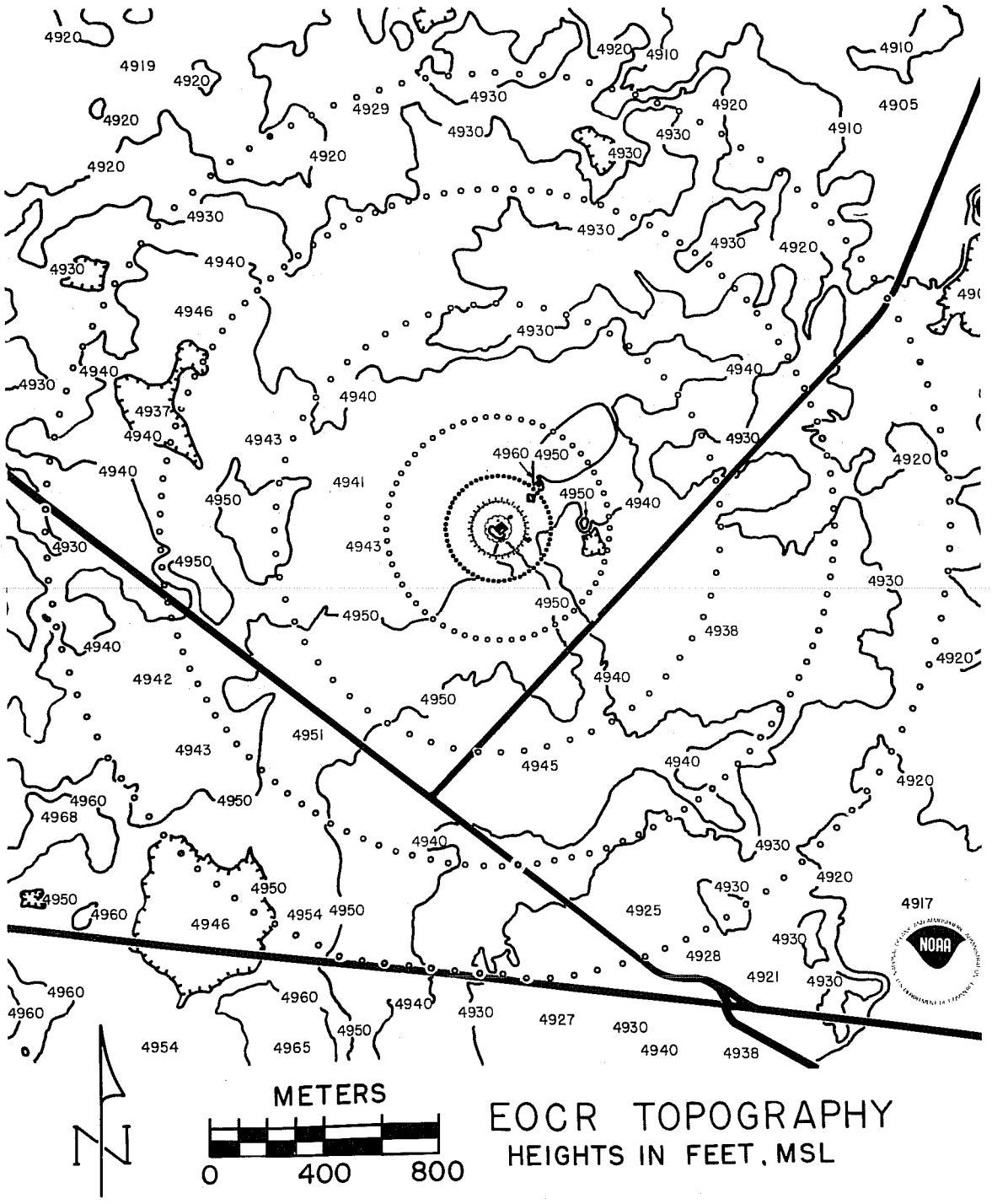

Figure 5. Terrain map of the entire EOCR grid. The outermost arc was at 1600 m. Contour lines were drawn for 10 foot height intervals.

southeast winds were a rare occurrence at the INEL, this location kept the tower out of the effects of the building wake. Temperature and wind sensors were located at the 4, 10, and 30 meter levels.

Temperature data were obtained from thermocouples mounted in Climet model 016-1 motor aspirated temperature shields. Horizontal wind speeds were obtained from Weather Measure model W103A cup anemometers with tri-cup stainless steel cup assemblies. Bivanes measured the horizontal and vertical wind angles. Photographs of the cup anemometer and bivane assemblies appeared in Start, et al, (1977).

During 1975, output signals from the sensors were input to a digital recording system housed in a small trailer. During 1976, this system was located in the instrumented bus described by Start, et al, (1977). This bus or trailer also served as a control center for test operations.

Additional meteorological data were gathered during the 1976 series of experiments. Weather Measure "103A" cup anemometers and Weather Measure light weight W104-2 direction vanes were mounted at the 70-ft level of nine 100-ft towers. They were located at grid tracer sampling positions 85, 88, 90, 92, 94, 96, 98, 100, and 103 in order to collect wind effect data within the wake of the building. This data was also digitally recorded, along with the same type of meteorological data collected in 1975 experiments.

3.4 Tracers

Sulfurhexafluoride (SF6), dichlorodifluoromethane (F12), and dibromodifluoromethane (12B2) were used as tracers in this test series. All three of these gases were inert, non-toxic in the concentrations used, and were of relatively small concentration in the free atmosphere. The tracers were released simultaneously with start-up and termination times being coordinated by radio. No grid samplers were activated until the tracer cloud had extended to the outermost sampling arc. Then samplers were actuated for the duration of the desired test. All samplers were shut down as the tracer releases were terminated. In this way, average concentrations were obtained instead of total integrated concentrations.

Figure 6 shows the various tracer release sites used during the tests. One tracer was released through the stack above the reactor building. A second release position was on the highest EOCR reactor building roof. The third tracer was released at ground-level (1m) on either the windward or lee side of the building. Table 1 lists the locations and heights of tracer releases by test number for the entire test series.

To provide visual plume references and allow for photographic documentation, oil fog was used as a visual tracer. Tracer gas samples were analyzed with an electron capture gas chromatograph system (Lovelock, et al, 1971). Additional details and photographs of the system were given by Start, et al, (1977).

Figure 6. Aerial photograph of the EOCR reactor building showing tracer release sites. The view is toward the southeast.

Table 1. Locations and Heights of Tracer Releases

Test No.	NRC Stab	Date	Time(MST)	Gas SF6 Site*	Gas SF6 ht(m)	Gas F12 Site*	Gas F12 ht(m)	Gas 12B2 Site*	Gas 12B2 ht(m)
3	F	7/8/75	0606-0706	Stack	30	SW face	1	Roof	25
4	E	7/9/75	0559-0649	Stack	30	SW face	1	Roof	25
5	A	7/18/75	1007-1107	Stack	30	NW face	1	Roof	25
6	D	7/21/75	0624-0724	Stack	30	NW face	1	Roof	25
7	G	7/22/75	0543-0630	Stack	30	NE face	1	Roof	25
8	F	7/24/75	0348-0417	Stack	30	NE face	1	Roof	25
9	G	7/28/75	0503-0603	Stack	30	NE face	1	Roof	25
10	A	7/31/75	1024-1107	Stack	30	NE face	1	Roof	25
11	A	8/12/75	1008-1035	Stack	30	Roof	25	NE face	1
12	E	8/13/75	0642-0712	Stack	30	Roof	25	NE face	1
13	A	8/14/75	1017-1117	Stack	30	Roof	25	NE face	1
14	E	5/6/76	0619-0719	NW face	1	Stack	30	Roof	25
15	D	5/12/76	0618-0718	NE face	1	Stack	30	Roof	25
16	D	5/18/76	0616-0716	NE face	1	Stack	30	Roof	25
17	G	5/21/76	0451-0551	NE face	1	Stack	30	Roof	25
18	F	6/23/76	0453-0535	NE face	1	Stack	30	Roof	25
19	G	6/29/76	0329-0429	NE face	1	Stack	30	Roof	25
20	G	6/30/76	0344-0442	NE face	1	Stack	30	Roof	25
21	G	7/15/76	0344-0444	NE face	1	Stack	30	Roof	25
22	E	7/16/76	0742-0842	NE face	1	Stack	30	Roof	25
23	E	7/21/76	0748-0846	NE face	1	Stack	30	Roof	25
24	F	7/22/76	0814-0914	NE face	1	Stack	30	Roof	25

*NW face, NE face, and SW face are ground (1m) release sites.

4. RESULTS

A total of 24 gaseous tracer tests were conducted in and around the EOCR building complex. The first two tests were discarded due to various failings of meteorological data logging, the performance of the gas chromatographs, and loss of suitable weather conditions during the actual field measurements. Table 2 summarized the tests by NRC stability category during their conduct.

Additional details of the wind speeds and directions, standard deviations of wind direction, date and times of conduct of the tests, tower-measured temperature profiles, and NRC stability categories determined from tower temperature profiles are provided in appendix A.

Table 2. Stability Categories for Field Tracer Tests

STABILITY	TEST NUMBER	TOTAL
A	5,10,11,13	4
B	-	0
C	-	0
D	6,15,16	3
E	4,12,14,22,23	5
F	3,8,18,24	4
G	7,9,17,19,20,21	6

More detailed descriptions of the wind speeds and directions versus time are provided in appendices B and C. For each test, the total period of observation was subdivided into consecutive 2-min intervals; for each interval the average wind speed, direction, and the variance and standard deviation of wind direction and speed were provided for bivanes and/or cup anemometers at the 4, 10, and 30m heights on the EOCR meteorological tower. These data are listed in appendix B. A summary of total test information is given in appendix C. The total test summary provides average speeds and directions for the full period. For wind directions, the total variance during the test is listed along with the mean value of the 2-minute interval variances and the variance of the 2-minute average wind directions. The average 2-min variances may be viewed as a descriptor for the high frequency or turbulence diffusive process. Then, the variances of the 2-minute average directions are descriptive of the meandering or transport portion of the total dispersion of plume mass. The sum of the variance related to diffusion and variance due to meandering closely approximates the total variance for the entire period.

Table 3 lists the various sampling arcs, towers with samplers, and EOCR building roof-located samplers operated during each test. During part 1, tests 1-13, sampling arcs did not exist for 1200 and 1600m. For part 2, tests 14-24, these longer distance sampling arcs were established to investigate possible building influences at extended distances in a "far-wake" setting.

4.1 Measured Tracer Concentrations

Gaseous tracer concentrations were sampled at the various ground-level, tower heights, and roof locations described in figure 6 and table 3. A complete listing of all sampled concentrations (normalized by U/Q, where U was the average windspeed at the tracer release height and Q was the source strength) is given in appendix D. To better describe the contents of appendix D, the following illustrative plots are provided. Figure 7a,b,c depicts sampled concentration versus crosswind arc location (grid location number or

Table 3. Operation of Sampling Arcs, Towers and Miscellaneous Samplers

Test No.	50m	100m	400m	800m	1200m	1600m	Towers	Roof
3	x	x	x	-	-	-	-	-
4	x	x	x	x	-	-	-	-
5	x	x	x	-	-	-	-	-
6	x	x	x	x	-	-	x	-
7	x	x	x	x	-	-	x	-
8	x	x	x	x	-	-	x	-
9	-	x	x	x	-	-	-	-
10	-	x	x	x	-	-	-	-
11	x	x	x	x	-	-	x	x
12	x	x	x	x	-	-	x	x
13	x	x	x	x	-	-	x	x
14	x	x	x	x	x	x	x	x
15	x	x	x	x	x	x	x	x
16	x	x	x	x	x	x	x	x
17	x	x	x	x	x	x	x	x
18	x	x	x	x	x	x	x	x
19	x	x	x	x	x	x	x	x
20	x	x	x	x	x	x	x	x
21	x	x	x	x	x	x	x	x
22	x	x	x	x	x	x	x	x
23	x	x	x	x	x	x	x	x
24	x	x	x	x	x	x	x	x

x = operated - = not operated

GLN) for successive downwind distances. Test 3 is shown in fig. 7a,b,c. Three lines are plotted in each figure to show the measurements for ground-level, roof, and stack released gaseous tracer. Figures 8a,b,c,d,e, and f depict tower sampled concentrations for test No. 16. Again, three separate lines identify the measurements for each of the gaseous tracers. In addition to these two types of regular array samplings of concentration, four samplers were operated on the lowest roof level of EOCR (fig. 6) and are listed under the heading of miscellaneous samples for each test during which they were operated.

Horizontal isopleths of gaseous tracer concentrations are provided in appendices E, F, and G. All isopleths for ground-level released tracer are in appendix E; appendix F contains isopleths for roof-level released tracer and appendix G contains isopleths for stack released tracer.

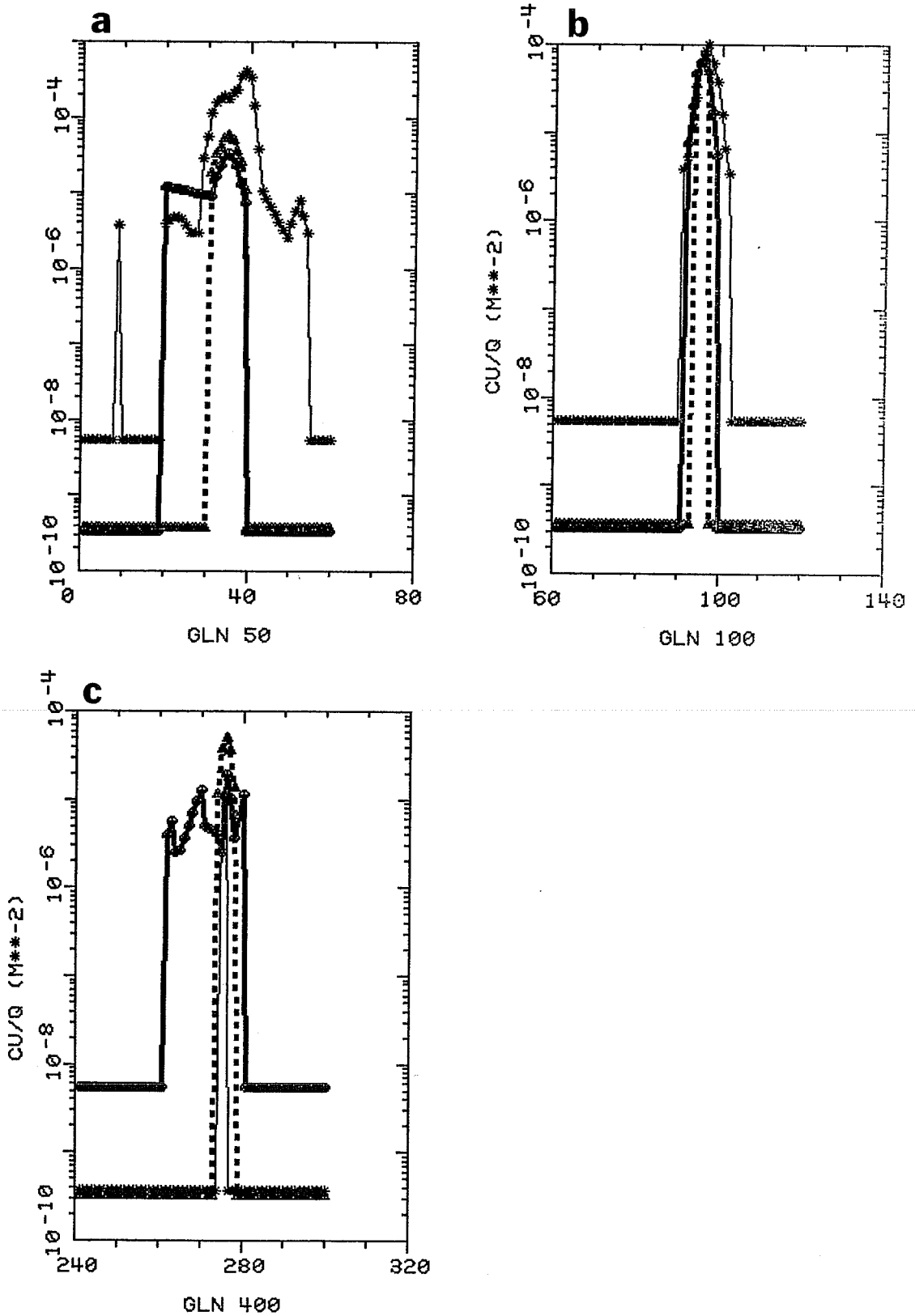

Figure 7. Sampled concentrations by grid location number for test 3 at the 50m, 100m, and 400m arcs. The thin solid line represents ground-level released tracer measurements, the dotted line represents roof-released tracer measurements, and the thick solid line represents stack-released tracer measurements.

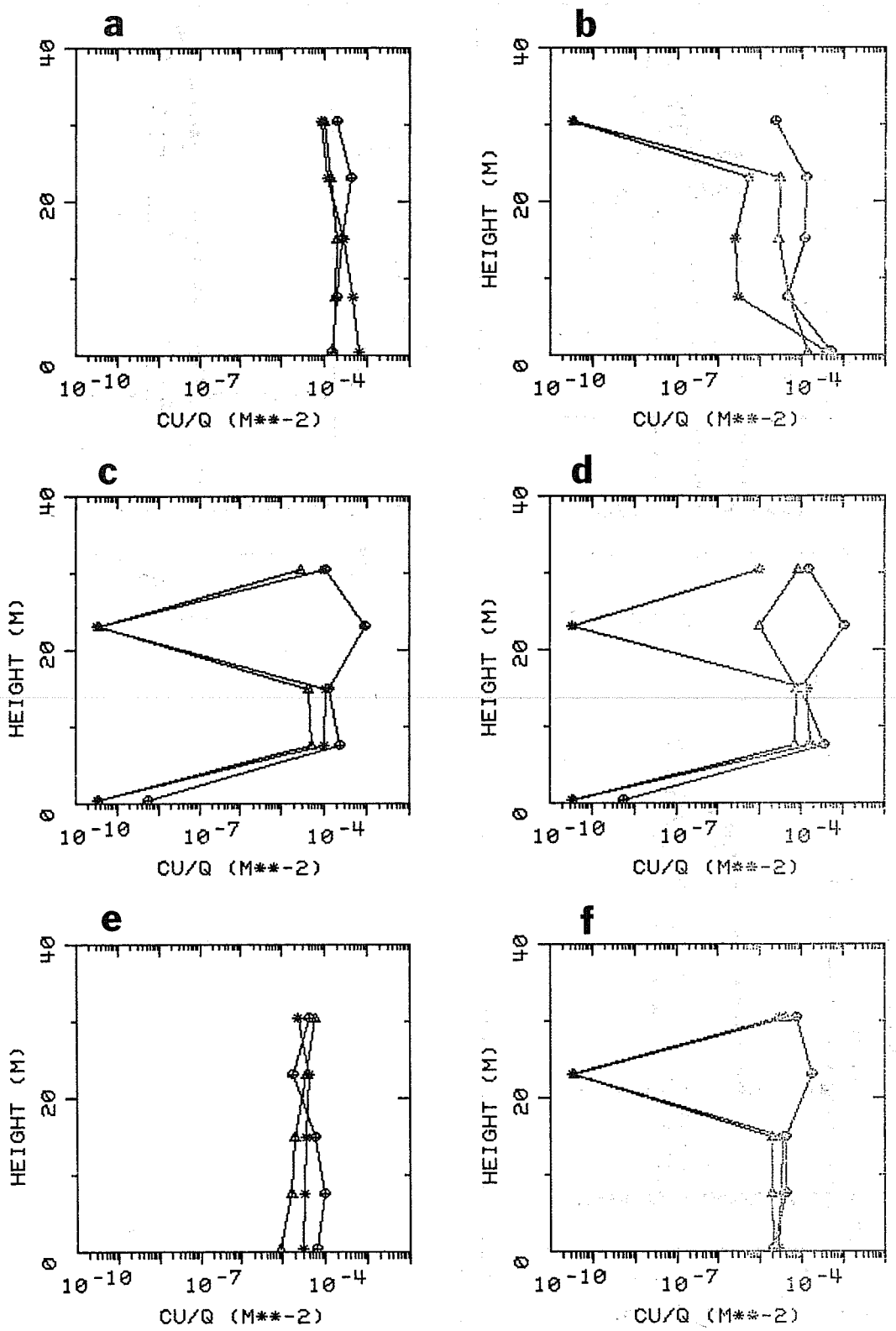

Figure 8. Tower sampled concentrations by height for test 16. Symbols used: * = ground-level released tracer, Δ = roof released tracer, ⊕ = stack released tracer. Figures 8a and b are for 100 m downwind; figures 8c and d are for 200 m and 8e and f are for 400 m downwind.

4.2 Visual Tracer Observations and Measurements

Before describing and discussing the behaviors of the sampled gaseous tracers it may be of benefit to examine a few selected pictures and descriptive diagrams based upon visual tracer observations and measurements. During each test, smoke was released to aid the visualizing and understanding of the airflows and effluent diffusion around and downwind of the EOCR structure.

Figure 9 shows the release of smoke tracer at ground-level in the lee of EOCR (SW face). A large amount of plume mass appeared to be drawn upward and streamed away at approximately roof height. The plume was mostly aloft at larger distances downwind. Figure 10 shows the plume in greater detail near the structure. A portion of the plume was mixed within a volume confined to the near-building wake; much plume streamed away aloft in a manner similar to the plume in figure 9.

In order to more clearly illustrate the systematic effects of the structure which both elevate the plume and produce an initial volumetric dilution, two simultaneous visual tracer plumes were developed. One plume was released at a location which should be influenced by turbulence and airflow streamlines which were altered by the presence of the building. The second plume was released crosswind from the building at a distance (150 to 200m NW) for which no building disruption occurred. Both plume photographs and lidar scans of these plumes were made. Figure 11 shows two visible plumes being observed.

One tracer was being released in the lee of EOCR. Return flows in the cavity zone drew the tracer toward the structure and lifted it. In the background (seen against the mountain slopes) the second tracer was streaming away from its release point with a normal amount of vertical spreading and remained relatively close to the ground. The plume behind EOCR was being mixed and lifted vertically, much more than the plume far from the building.

Lidar observations were performed by Stanford Research International in a manner depicted in figure 12. Approximate crosswind/vertical scannings of the plume were made along several direction rays to obtain plume particle concentrations at several different downwind distances. At present, quantitative descriptions of these plume sections are unavailable; computer processing of these data were never completed by SRI. A schematic illustration of qualitative preliminary LIDAR observations is given in figure 13. Initially the building-affected plume was larger and elevated compared to the open-terrain plume. The open-terrain plume dispersed more rapidly, in some cases, while the building affected plume was smaller, relatively. Eventually, the two plumes were of comparable size at the longer distances.

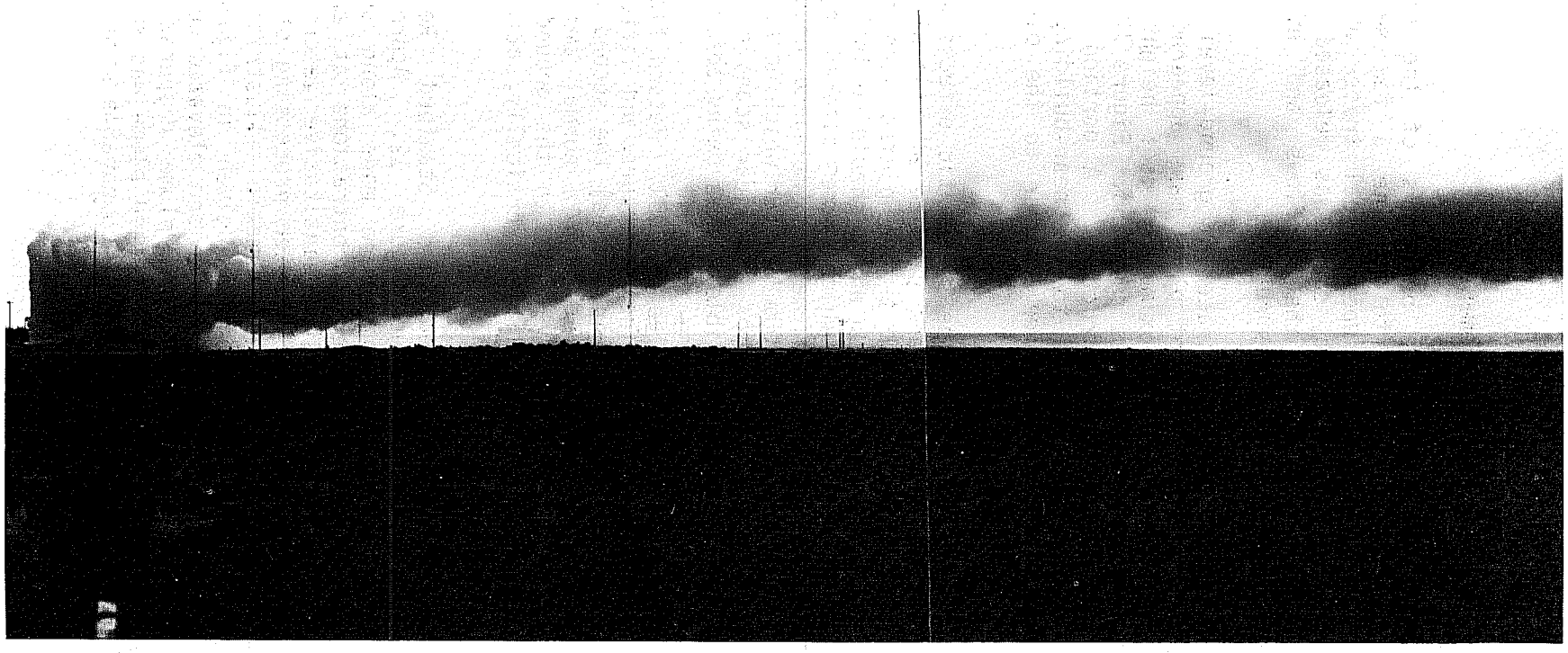

Figure 9. Ground-level smoke tracer release in the lee of the EOCR reactor building. Much of the plume is drawn upward and streams away at roof height. Further downwind a large portion of the plume remained aloft at about roof height. A more diffuse portion of the plume was near the ground beneath the elevated and most concentrated part of the plume.

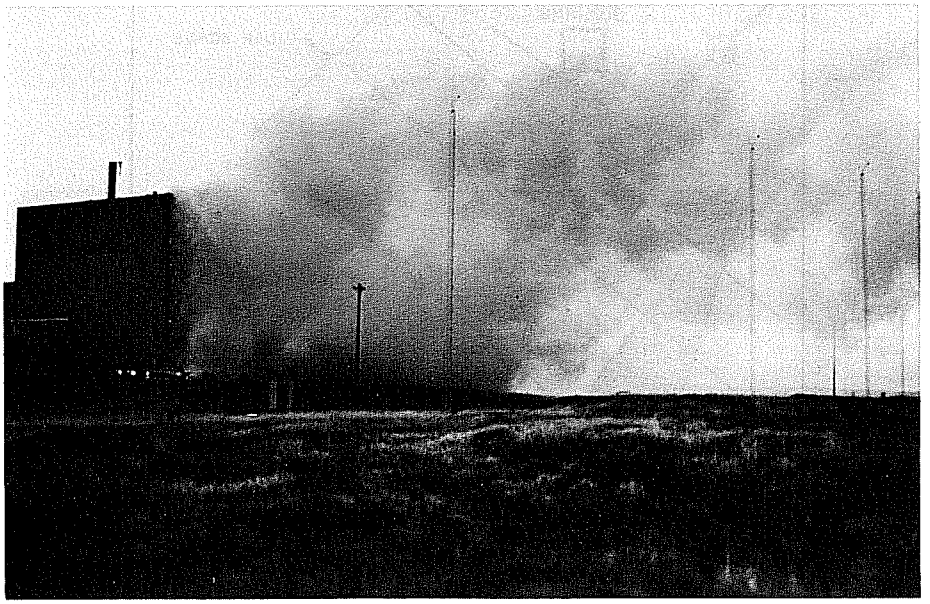

Figure 10. To compliment the smoke depiction of figure 9, a more detailed view is shown of ground-level smoke tracer release near the building. Some of the plume was mixed within the near-building wake; the remainder streamed away at about roof level.

Figure 11. Simultaneous visual tracer releases were made. The first tracer was released in the lee of the building; second tracer was released crosswind far from the building where building disruption had no effect. The tracer which was released near the building was drawn toward the building and lifted. The second tracer plume streamed downwind normally and was mixed and lifted vertically much less than the tracer plume which was released near the building.

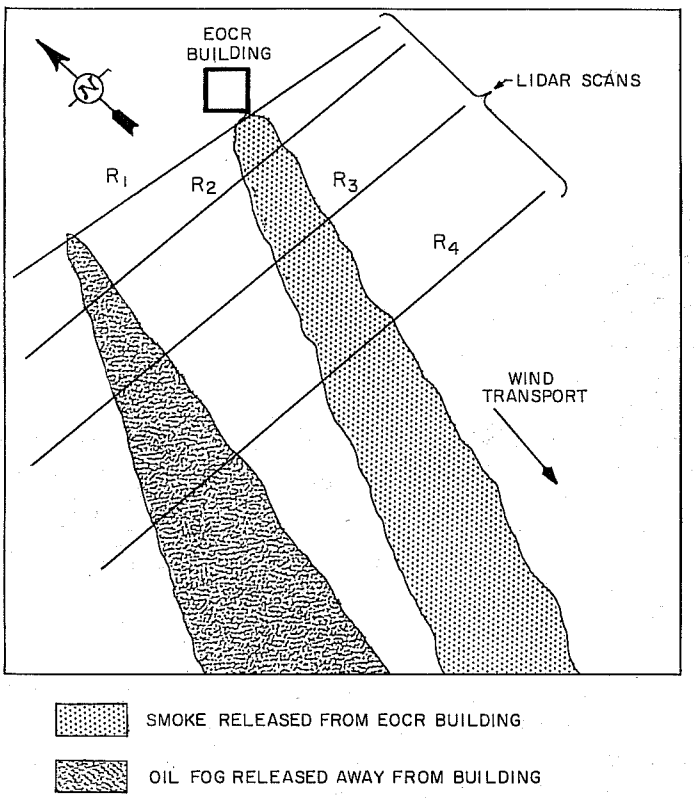

Figure 12. LIDAR observations of simultaneous visual plumes (shown in fig. 11) were performed by SRI, according to a plan shown by this schematic. Lateral/vertical cross-section scans were performed at several different direction rays (R_j) to observe both the smoke and oil fog plumes. The closest LIDAR scans were through the near building plume; the more distant scans were about 800m downwind.

4.3 Maximum Ground-level Tracer Concentrations, Sigma-y, and Effective Sigma-z Values.

To better understand the significance of the full collection of sampled tracer concentrations which were listed in appendix D and shown by the horizontal concentration isopleths depicted in appendix E, F, and G, selected parameters have been calculated or tabulated. Three parameters or statistics used were the normalized maximum (peak) tracer concentration observed on a particular ground-level (1m) sampling arc, the second moment of the tracer lateral mass distribution (σ_y), and the σ_z value. These σ_y and σ_z values were determined with eqns. 4 and 6, respectively. Figure 14 shows measured peak tracer concentrations plotted versus downwind distance for ground-level released tracer and stability category D. Also shown in fig. 14 are curves of predicted normalized peak concentrations calculated from eqn. 2 with customary values of σ_y and σ_z (Pasquill (1961) and Gifford (1961)). Curves were calculated for plume centerline heights above the ground equal to 1, 10, 25, and 30m. Separate symbol types were used to plot measured values for a particular test, in order to distinguish between values from tests within the same stability category. If the Gaussian equation were

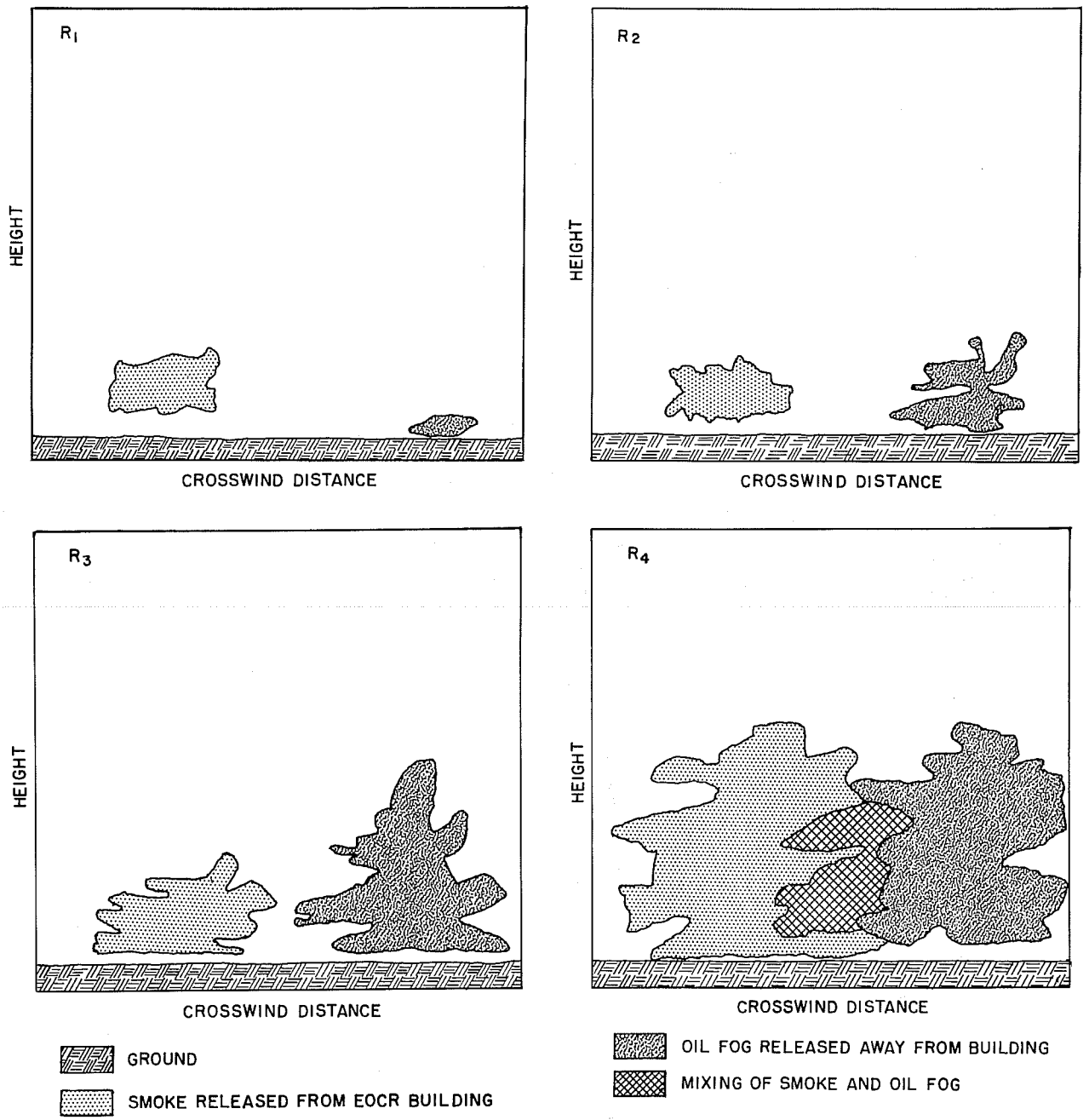

Figure 13. Schematic cross-sections of plumes from preliminary LIDAR observations are presented for increasing downwind distances. The plume on the left was the smoke released at the EOCR building while the plume on the right was oil fog released away from the building.

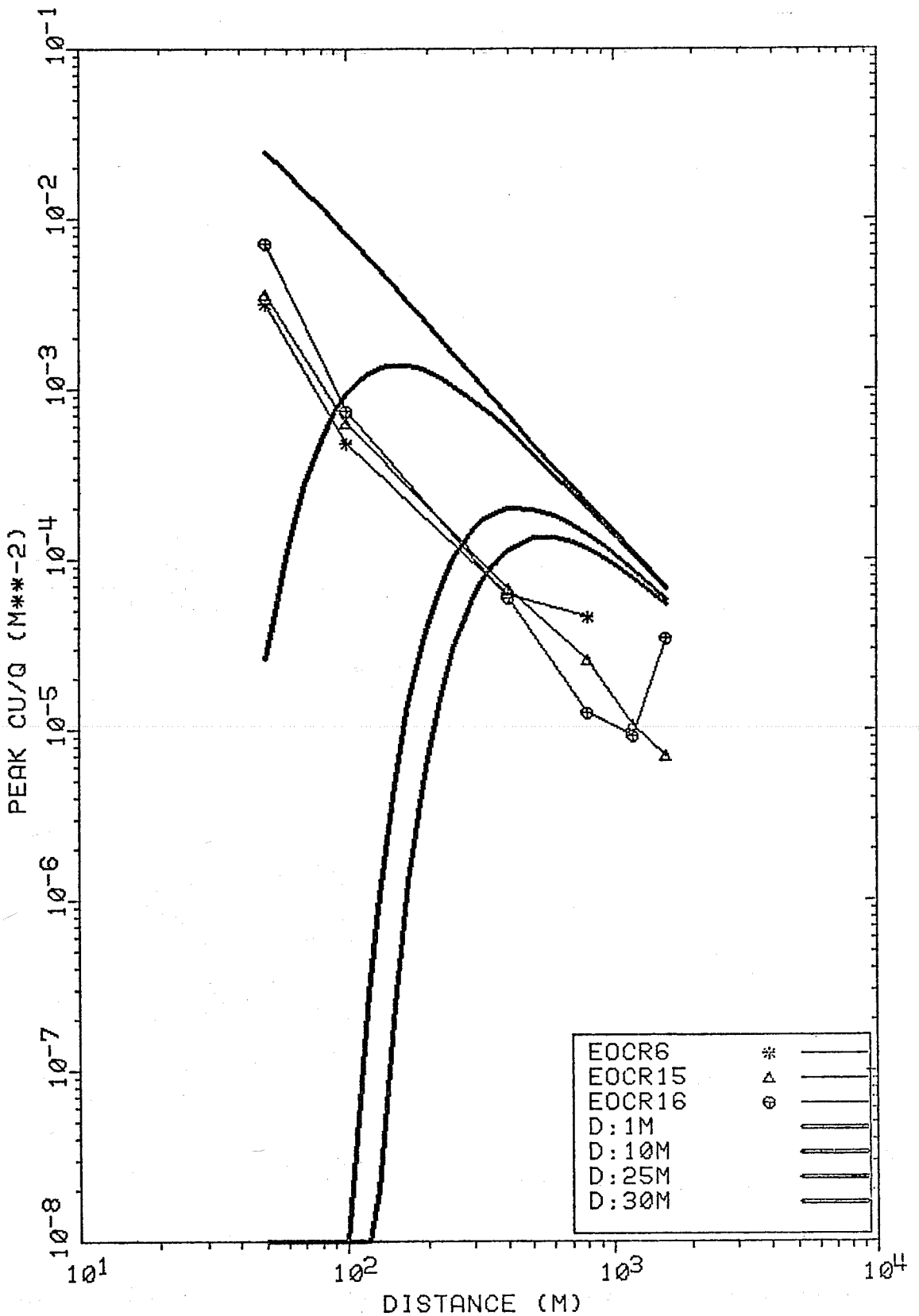

Figure 14. Measured peak normalized concentrations are plotted versus downwind distance for ground-level released tracer and stability category D. Also included are Pasquill-Gifford predictions of peak normalized concentrations for plume centerline heights of 1, 10, 25, and 30m with stability class D.

suitable and the Pasquill-Gifford values of σ_y and σ_z were appropriate, the observations for each test would match the upper curve for the 1m plume height. At times there was agreement between observations and calculation, but most often substantial differences were evident. Plots for other stability categories and tracer release heights were developed and the complete set is contained in appendix H.

In similar manner, tracer determined σ_y values (for all tracer release heights) were compared to Pasquill-Gifford (op. cit.) expected values (the heavy line) for stability D in figure 15. A regression line was drawn through the set of tracer derived σ_y values. A corresponding (parallel) but different behavior was evident. The complete set of σ_y comparisons with Pasquill-Gifford values are also contained in appendix H.

Figure 16 provides a scatter diagram of σ_z effective (eqn. 6) versus downwind distance. Data from all stability categories were included in the figure. Curves for stability categories A, B, C, D, E, and F (Pasquill- Gifford op. cit.) were included to place these effective σ_z values in perspective. One obvious discrepancy was shown by the very large values of σ_z effective at the smaller distances; values of many hundreds of meters were not credible. These virtual σ_z values were calculated using the ground-level sampled concentrations and no adjustment was made for elevated plume centerline heights. Additional discussion and reanalyses has been provided in a following section to better describe vertical diffusion and plume centerline heights.

4.4 Recalculated Sigma-z Values

Many σ_z effective values shown in fig. 16 were unrealistically large and were neither credible nor consistent with visual tracer observations at Rancho Seco (Start, et al., 1977) and during this study. Observations of oil fog visual tracer suggested that most ground-level and roof-top released effluents streamed away from the structure at roof-top height (essentially at the height of the flow separation zone). It seemed appropriate to calculate σ_z for ground-level and roof-top tracer release from σ_z (effective) values with effective plume height, H, equal to roof height (25m). Sigma-z values for stack released tracer were calculated using the physical stack height of 30m. Equation 6 was solved for σ_z solutions by iteration. Additional details of the numerical method for σ_z calculation are given in appendix I. Two roots of equation 6 were possible. One root (the smaller) represented the value of σ_z for an elevated plume with a Gaussian mass distribution; the second root (larger) provided σ_z for the well-mixed plume (non-Gaussian). The Gaussian plume values of σ_z (smaller or lower root) were adopted for the additional comparisons to follow; the implications of using the smaller root and the applicability of the well-mixed plume root will be discussed later. Comparison of σ_z from ground-level tracer

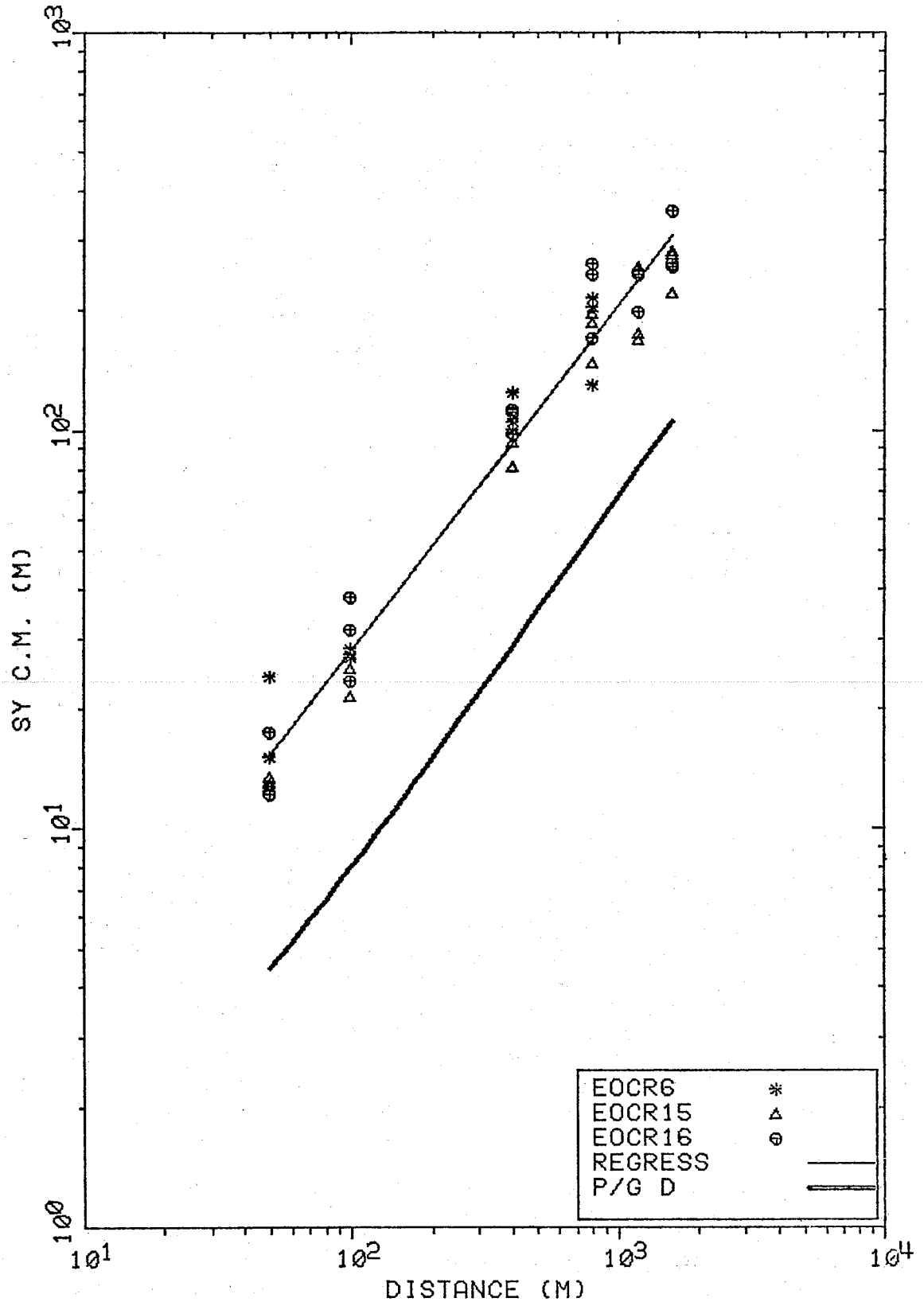

Figure 15. Tracer determined sigma-y values for stability class D were plotted versus downwind distance for all release heights with regression line for this set of values. Also included were Pasquill-Gifford expected values of sigma-y for stability class D.

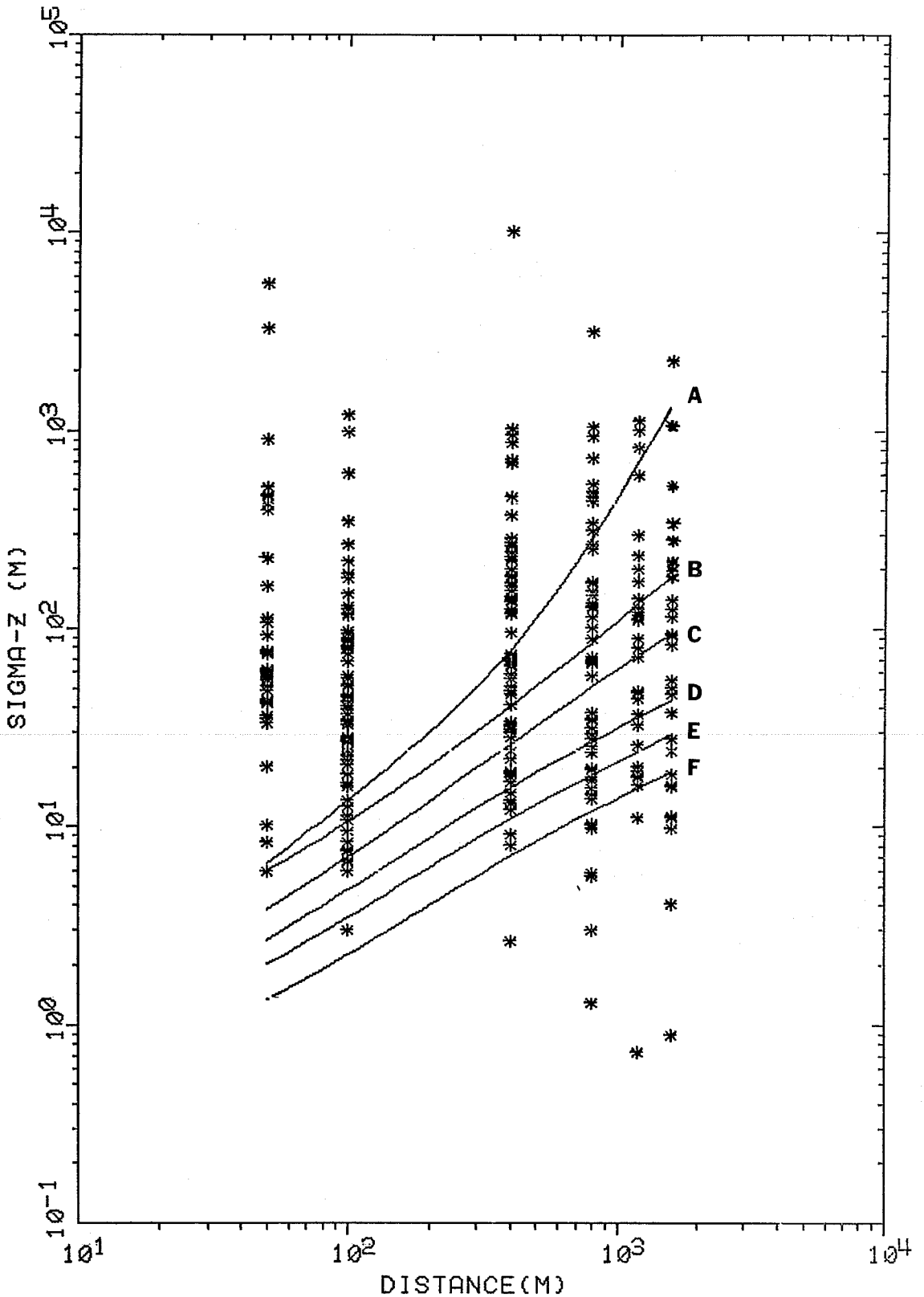

Figure 16. Tracer determined sigma-z effective values were plotted versus downwind distance for all stability classes. Data for all tracer release heights were included. Also included were curves of Pasquill-Gifford expected values of sigma-z for categories A, B, C, D, E, and F.

releases (for H = 25m) with σ_z for the roof and stack height discharged tracer showed good agreement; virtual σ_z for ground-level released tracer (with H = 1m) showed very poor agreement with σ_z for roof and stack releases. Figure 17 shows σ_z values for ground-level released tracer versus σ_z values for roof and stack discharged tracer. Figure 17a shows calculations of σ_z for ground-level tracer releases using plume centerline heights of 25m versus σ_z calculations using 25m plume height for roof releases and 30m heights for stack tracer plumes. Figure 17b is similar except a 1m plume height (the height of tracer release) has been used for the ground-level tracer.

Therefore, when making calculations of σ_z values, 25m (the approximate flow separation height for the structure) was a far better choice for the approximate plume height of ground-level release tracer than was the actual height (1m) of its release. Visual observations confirmed this conclusion; intuition suggested that vertical diffusion at a few meters above the ground surface should resemble the diffusion at 25 to 30m above the ground surface. This similarity should have been greatest during strongly unstable (temperature lapse) conditions and less similar during strongly stable (temperature inversion) conditions. However, with the additional turbulence developed by the structure, building induced circulations off-set or nullified the tendency for stable layering effects during the more stable conditions - especially within the first few tens of meters (a few building heights) downwind of the structure. Therefore, σ_z calculated for all three tracers should have been similar in value, regardless of the heights of these tracer releases, because they developed within approximately similar turbulence regimes. The large differences between σ_z calculated with H = 1m and calculations of σ_z for simultaneous releases of tracer at roof and stack heights were rejected. Therefore, discussions and comparisons to follow have utilized the knowledge that σ_z determined from eqn. 6 for ground level released tracer with H = 25m was reasonably appropriate and closely approximated the correct quantitative magnitudes.

4.5 Tracer Diffusion Statistics Ratios and Comparisons

In order to identify important physical phenomena and departures from expected plume behaviors without the presence of the structures, the parameters of normalized axial concentrations, σ_y, and σ_z were ratioed with the "expected" flat, open-terrain values presented by Pasquill (1961) and Gifford (1961) (hereafter simply refered to as Pasquill-Gifford or P/G values). Three important ratios were formed; a concentration ratio was calculated by dividing the P/G "expected" axial value by the observed peak value of tracer concentration. If more dilution (a smaller observed peak concentration) occurred, the ratio was greater than unity; if a larger than expected value was obtained the ratio was between unity and zero.

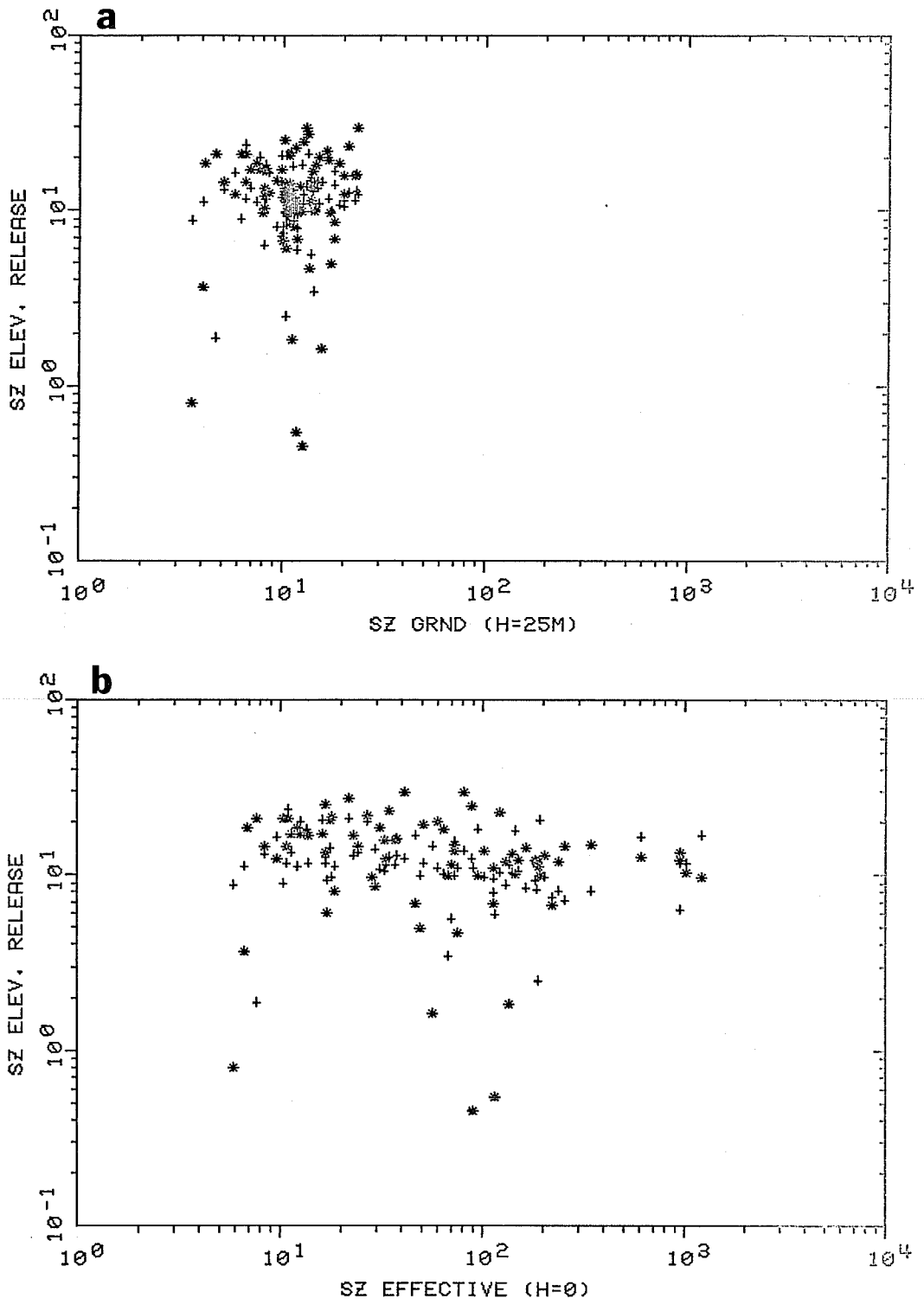

Figure 17. Calculated sigma-z values for ground-level tracer releases were plotted versus corresponding calculations for roof and stack height releases of tracer. Sigma-z values for ground-level tracer were calculated for plume height of 25m (upper figure) and ground-level or 1 m (lower figure). Comparisons with stack (roof) tracer are shown by *(+).

In similar fashion, ratios of σ_y and σ_z were formed. However, sigma ratios were formed by dividing observed values by the corresponding P/G values. This ratio convention was consistent with the concentration ratios. Larger than expected sigma values yielded ratios greater than unity; larger sigmas implied greater dilution of the tracer plume and a smaller peak concentration. As noted above, smaller observed peak concentrations yielded ratios greater than unity. Therefore, when consistency existed between concentration variabilty and differences in the lateral and vertical diffusive spreads (σ_y and σ_z), these ratios exhibited similar characteristics and behaviors.

Tables 4, 5, and 6 list ratios of concentration, σ_y, and σ_z. Table 4 contains ratios for only ground-level releases of tracer; table 5 contains ratios for the roof-level tracer release and table 6 contains ratios for stack released tracer. Within each table an average parameter ratio was listed for each stability category at each downwind sampling distance. The complete data set of all individual ratios is given in appendix J. The significance of all of these data points (ratios) could have been examined by use of scatter diagrams, each of which would contain a large number of points. The study and interpretations of these scatter diagrams have suggested the same conclusions and results. But for simplicity and ease of understanding, selectively pooled (averaged) ratios more directly illustrated the important phenomena and behaviors and were utilized for most of the remainder of this manuscript.

Table 4. Ratios of Diffusion Parameters for Ground-level Tracer

Stab	50m	100m	400m	800m	1200m	1600m
			RC (P/G peak conc./observed peak conc.)			
A	1.160	3.224	0.5894	0.4288	--	--
D	4.757	14.41	9.960	6.888	10.09	3.045
E	13.37	31.01	8.167	17.96	14.31	13.29
F	15.81	17.65	38.12	23.94	11.27	9.231
G	36.07	57.12	57.98	11.29	22.99	32.27
			RY (observed sigma-y/P/G sigma-y			
A	1.149	1.504	1.608	1.747	--	--
D	3.260	2.826	3.332	3.100	2.343	2.506
E	4.484	3.727	3.890	4.084	3.251	2.866
F	5.185	6.134	6.385	6.433	4.638	5.022
G	8.491	9.140	9.151	11.53	6.377	6.568
			RZ (observed sigma-z/P/G sigma-z)			
A	-- --	0.580	0.430	--	--	
D	-- --	1.702	1.009	0.415	0.317	0.325
E	-- --	3.648	1.032	0.600	0.423	0.349
F	-- --	3.700	1.658	1.235	0.882	0.812
G	-- --	6.462	3.320	1.413	1.333	0.993

Table 5. Ratios of Diffusion Parameters for Roof-level Tracer Releases

Stab	50m	100m	400m	800m	1200m	1600m
		RC (P/G peak conc./observed peak conc.)				
A	3.471E-02	0.5282	0.3493	--	--	--
D	2.404E-09	1.156E-05	4.181	13.04	3.881	0.4206
E	1.480E-08	4.110E-09	1.314	4.102	1.893	1.215
F	8.737E-09	2.917E-09	1.496E-02	0.3737	4.456	4.109
G	7.640E-08	5.216E-08	2.583E-05	0.1940	2.200	5.591
		RY (observed sigma-y/P/G sigma-y)				
A	1.428	1.323	1.293	--	--	--
D	2.867	2.592	2.979	2.848	2.108	2.368
E	3.394	3.941	3.006	3.597	2.642	2.142
F	5.623	5.392	3.970	5.992	7.021	7.096
G	8.972	9.842	9.536	8.356	6.004	5.617
		RZ (observed sigma-z/P/G sigma-z)				
A	1.950	0.990	0.125	--	--	--
D	5.688	4.187	0.781	0.363	0.381	0.220
E	8.333	4.861	1.167	0.452	0.387	0.233
F	7.502	4.712	1.319	0.682	0.706	0.662
G	18.28	9.787	2.561	1.465	1.008	0.890

Table 6. Ratios of Diffusion Parameters for Stack-level Tracer Releases

Stab	50m	100m	400m	800m	1200m	1600m
		RC (P/G peak conc./observed peak conc.)				
A	1.564E-03	0.1869	0.7728	1.927	--	--
D	1.058E-08	1.551E-08	1.030	1.814	1.180	0.5573
E	2.403E-08	3.216E-09	7.303E-02	0.6350	0.1191	0.1131
F	1.079E-07	2.151E-08	4.044E-03	1.950	2.300	5.211
G	1.042E-07	2.474E-08	5.749E-09	2.113E-03	7.0502E-02	0.4157
		RY (observed sigma-y/P/G sigma-y)				
A	1.404	1.399	1.392	1.602	--	--
D	2.844	3.213	3.153	3.592	2.870	2.319
E	3.939	3.746	3.450	4.766	3.708	4.007
F	5.000	5.076	4.259	6.330	5.834	4.598
G	6.356	10.14	10.68	10.50	7.440	5.757
		RZ (observed sigma-z/P/G sigma-z)				
A	1.111	0.880	0.138	0.039	--	--
D	9.506	3.41	1.17	0.571	0.292	0.208
E	8.166	5.077	1.131	0.731	0.532	0.331
F	10.960	7.600	2.107	1.309	0.842	0.979
G	18.140	11.487	3.457	1.426	1.767	0.773

For ground-level tracer releases measured concentrations were generally less than P/G values determined for a 1m source height. Roof-level and stack discharged tracers had ground-level concentrations much greater than determined by the Gaussian plume model (eqn. 2) within the first several hundred meters downwind of the structure. In instances where equation 2 calculations produced very small values (near the building and stable conditions) the calculated values were replaced by the threshold tracer concentrations. Without this replacement RC values approached with 10^{-40}. With replacement, these RC values had magnitudes greater than 10^{-10}. The utility of this replacement was for graphical depictions. The physical interpretation of this alteration was that the downwash of elevated plumes really was greater than the RC ratios showed following the substitution. The meaning of the large RC values was that the Gaussian distribution was not applicable in stable conditions with building downwash.

The RY values were essentially the same, regardless of tracer release height. A definite increase in RY was shown as stability category progressed from A to G. A modest decrease in RY with distance may have occurred at distances beyond 800m, but it was not conclusive.

RZ values averaged slightly greater than unity; the largest departures from unity were for the most elevated tracer release and were greatest at shorter distances. At greatest downwind distances the RZ ratios were slightly less than unity.

Tables 7 through 12 list averaged ratios of normalized concentration, σ_y, and σ_z for ground-level, roof, and stack released tracer. These ratios were pooled averages for either specific arc distances (using all stability category data) or specific stability categories (using all arc distances). An overall or all-data ratio was listed for RC, RY, and RZ. These ratios were plotted in fig. 18a, b, c, d, e, and f. Three curves were plotted in each figure; a separate curve was plotted for data from ground-level, roof, and stack release heights. Figures 18a and b depict RC versus downwind distance and stability category, figures 18c and d depict RY vs distance and stability, and fig. 18e and f depict RZ versus distance and stability.

The lateral (indicated by RY) and vertical (shown by RZ) plume spreading ratios were very consistent regardless of the tracer release height. This consistency was expected since the tracers were experiencing the same fundamental atmospheric (and building wake) conditions which produced diffusion. The departures (ratios with Pasquill-Gifford values) from expected σ_y and σ_z were trivial for strongly unstable (A = 1) and largest for strongly stable (G = 7) stability categories (figs. 18d and f). A systematic behavior of these ratios with distance (figs. 18c and e) were also evident. RZ ratios (fig. 18e) clearly showed a large initial dilution process which was followed by a rapid (exponential-like) decrease in the relative contribution of this initial dilution. These RZ values approached unity between 400 and 800m downwind and remained in essential agreement with expected Pasquill-Gifford values of σ_z at the longer distances.

Table 7. Ratioed Diffusion Statistics for Ground-Level Tracer Releases with Pooled Stabilities.

m	RC	RY	RZ
50	16.41	4.942	—
100	27.98	5.114	3.602
400	28.61	5.655	1.751
800	13.91	6.664	0.915
1200	16.15	4.475	0.818
1600	17.59	4.539	0.663
All data	20.96	5.329	1.793

Table 8. Ratioed Diffusion Statistics for Ground-Level Tracer Releases with Pooled Distances

STAB	RC	RY	RZ
A	1.738	1.433	0.379
D	7.832	2.953	0.820
E	16.74	3.818	1.367
F	21.01	5.760	1.901
G	37.41	8.812	2.941
	20.96	5.329	1.793

Table 9. Ratioed Diffusion Statistics for Roof-Level Tracer Releases with Pooled Distance

m	RC	RY	RZ
50	0.00521	4.860	9.298
100	0.09604	5.154	5.382
400	0.935	4.647	1.333
800	3.8098	5.818	0.900
1200	2.756	4.504	0.697
1600	3.305	4.2897	0.570
All Data	1.334	4.874	3.726

Table 10. Ratioed Diffusion Statistics for Roof-level Tracer Releases with Pooled Stabilities

STAB	RC	RY	RZ
A	0.3286	1.3407	0.937
D	3.767	2.676	2.141
E	1.141	3.276	3.382
F	0.5858	5.378	3.554
G	1.043	8.314	5.866
	1.334	4.874	3.726

Table 11. Ratioed Diffusion Statistics for Stack-level Tracer Releases with Pooled Stabilities

m	RC	RY	RZ
50	0.000313	3.982	9.487
100	0.0340	5.232	6.294
400	0.2983	5.154	1.768
800	0.9649	6.305	0.944
1200	0.6908	5.299	0.994
1600	1.231	4.444	0.568
All Data	.4679	5.152	3.550

Table 12. Ratioed Diffusion Statistics for Stack-level Tracer Releases with Pooled Distances

STAB	RC	RY	RZ
A	0.5921	1.429	0.575
D	0.8004	3.063	2.365
E	0.1695	3.948	2.800
F	1.160	5.122	4.404
G	0.0675	8.958	5.614
	.4679	5.152	3.550

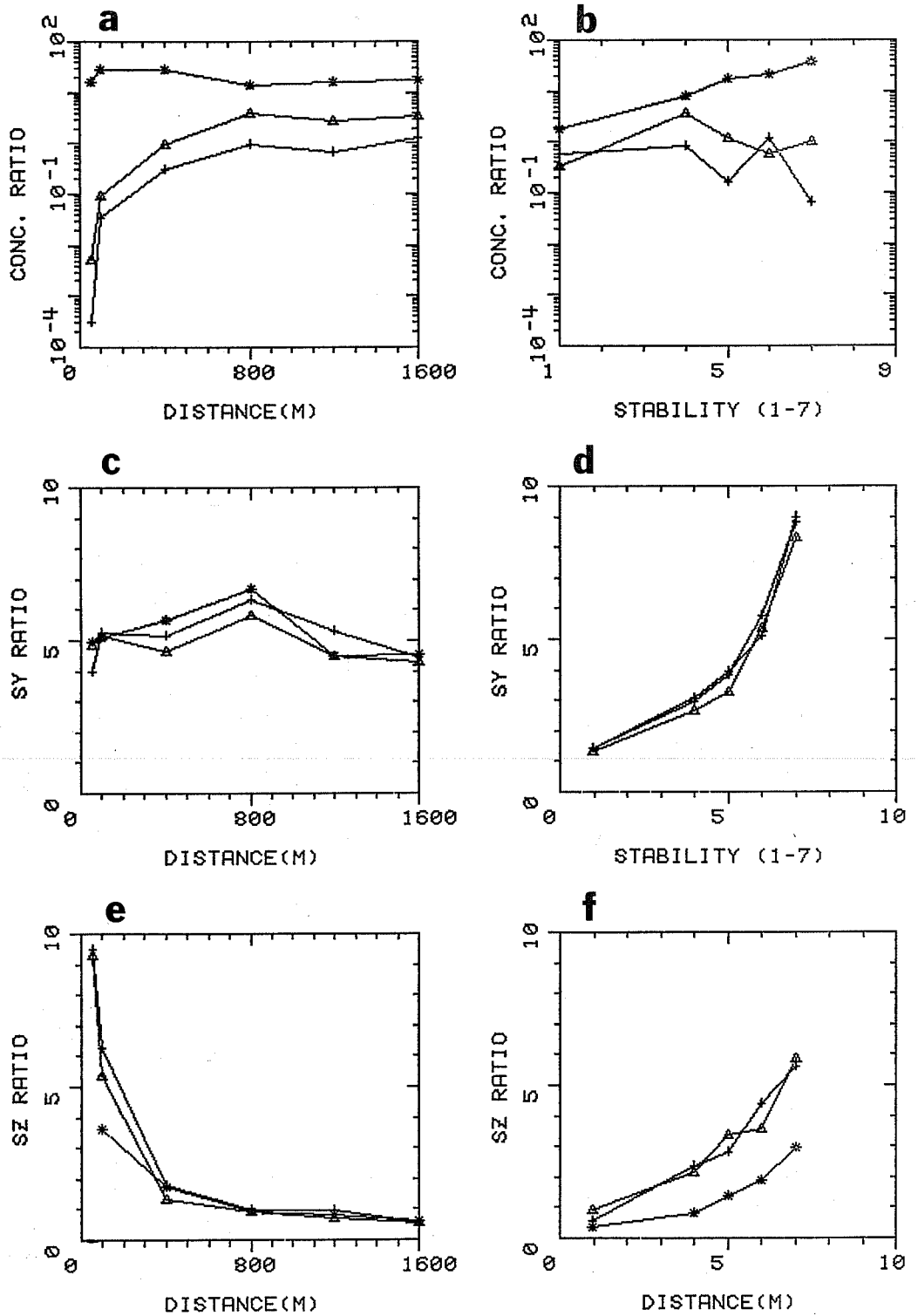

Figure 18. Averaged ratios of normalized concentration, sigma-y, and sigma-z for ground-level, roof, and stack released tracers. The first column of plots contain pooled averages for all stability categories for specific arc distances. The second column of plots contain pooled averages for all arc distances for specific stability classes. Symbols used: * = ground-level released tracer; Δ = roof released tracer, + = stack released tracer.

RY ratios (fig. 18c) depict an initial magnitude which increased more slowly to about 800m downwind. Beyond 800m, RY values slowly decreased; RY values from the Rancho Seco study (table 13), (Start, et al., 1977) agreed well with these EOCR findings. Rancho Seco values of RY ranged from 6.4 at 100m downwind to 4.8 at 800m downwind.

Concentration ratios are depicted in figs. 18a and b. RC values greater than unity resulted when the observed peak concentrations were less than values calculated by the Gaussian diffusion formula (eqn. 2). The calculated concentration values were obtained by substitution of expected (P/G) values of σ_y and σ_z and plume heights of 30m for stack, 25m for roof, and 1m for ground-level tracer releases into eqn. 2. Since values of RC were much greater than unity, measured ground-level peak tracer concentrations were substantially less than calculated from the Gaussian formula with H = 1m. Likewise, the corresponding measured peak concentrations from roof-level and stack discharged tracers were much greater than calculated at ground-level by the Gaussian formula.

In general, the RC ratios for stack and roof height tracer releases were similar; they were small in magnitude due to downdraught increases in ground-level measured concentrations near the structure. At longer distances the concentrations approached expectations (RC approaches unity). RC values for the ground-level tracer releases were large at all distances due to a substantial upward-mixing of plume mass behind the structure. RC for ground-level tracer releases varied from about 2 for stability A to almost 40 for stability G. No obvious systematic behavior was evident for roof and stack height tracer releases.

At any particular distance, RY values were approximately 4 to 6. Measured σ_y values were larger than the corresponding P/G values. RY values increased in magnitude from about 1-1/2 to 9 as stability changed from A to G, with great consistency for all tracer release heights.

The variations of RZ with distance and stability were more erratic than for either RC or RY. RZ increased with greater stability; CIC was less representative of the value which should be observed at plume axis height with more stable conditions. RZ decreased with greater distance.

4.6 Wind Direction Meandering, Building Induced Lateral Spreading, and Tracer Sigma-y

The RY ratios in tables 7 through 12 which were plotted in fig. 18c and d were developed from second moments of tracer mass distributions divided by the appropriate value of σ_y from the Pasquill-Gifford curves. These summarized ratios illustrated the differences during this test series from values expected with adaption of the Pasquill-Gifford curves without alterations.

The causes of these systematic differences from Pasquill-Gifford values will now be examined. Some physical basis for these differences may be postulated, such as building wake plume broadening. greater than expected wind direction meandering for the associated stability category, or perhaps incorrect specification of stability category. There was no known bias in stability category specification. However, there was a significant influence of wind direction meandering. Table 13 summarizes the average standard deviations of wind direction for EOCR by stability category and lists the corresponding values from Gifford (1968). For σ_y estimates, (Pasquill, 1976) derived using $\sigma_y = f(x).\sigma_\theta.X$, an adjusted standard deviation of direction, $\sigma_\theta.f(x)$, was appropriate. Example adjusted values for X = 800m are given in table 13. If the EOCR average σ_θ

Table 13. Observed and expected Values of Wind direction Standard Deviation by Stability Categories.

	Stability Category				
	A	D	E	F	G
Gifford (1968)	25.	10.	5.0	2.5	(1.25)[4]
EOCR avg.	25.7	23.0	9.5	20.6	15.6
Pasquill (1976)[1]	15.5	6.2	3.1	1.6	0.8
$\sigma\theta$ ratio[2]	1.7	3.7	3.1	12.9	19.5
RY avg. (approx)[3]	1.5	3	3	5	9

σ_θ is standard deviation of horizontal wind direction

1 Pasquill (1976) σ_θ(effective) = f(x) *σ_θ (Gifford, 1968) where f(x)≈0.61 at x=800m

2 σ_θ ratio is (EOCR avg.)/(Pasquill, 1976)

3 Tracer determined σ_y divided by expected Pasquill-Gifford sigma-y value

4 σ_θ for "G" is assigned 1/2 of value for "F" stability of Gifford (1968).

values were divided by these Pasquill adjusted values, the resulting ratios approximated the RY ratios presented in tables 4 through 12 and in figures 18c and d within a factor of about two or less. Therefore, there may be only minor effects of the building wake upon lateral plume spreading. A building induced spreading effect should have been most evident near the structure and diminish in importance at longer distances. To examine this behavior, measured tracer σ_y values were divided by σ_y values calculated from σ_θ measured at the 30m height

on the EOCR meteorological tower; the Pasquill (1976) formula was used. These ratios represented the reciprocal of the fraction of plume spreading described by σ_θ. The resulting ratios were plotted versus the σ_θ values in figures 19a,b, and c. Since a distance related behavior was postulated for this fraction versus σ_θ, regression lines with distance held constant (i.e., 100m, 400m, ...etc.) were calculated. They are plotted for ground-level (fig. 19a) roof-level (fig. 19b), and stack released (fig. 19c) tracer. There was a striking similarity for all tracers and distances. For measured values of σ_θ less than 10 to 20^o σ_y values estimated from σ_θ are 2 to 4 times too small (the effect of the structure is noticeably important). For larger values of σ_θ, the atmospheric effect of wind direction meandering dominated the lateral dispersion process downwind of the structure.

The average values of RY shown in table 13 were similar to the average ratios of σ_θ for stabilities A, D, and E and were about 1/2 of the magnitude of ratio values for stabilities F and G. Examination of NRTS curves of σ_y values for 15-60 min tracer release times (Yanskey, et al, 1966) and Pasquill-Gifford σ_y values for approximately 3-5 min tracer release times (Turner, 1970) revealed that NRTS values of σ_y (for 60 min tracer releases) were about 2 to 4 times larger than the corresponding Pasquill-Gifford values at 800 to 1000m downwind during stabilities E, F (and G). These differences were expected due to longer averaging times for the NRTS observations of tracer spreading; likewise, σ_θ values for EOCR should have been larger than the short term values referenced by Gifford (1968). Based upon NRTS field data and EOCR findings (e.g., σ_y divided by σ_y(P/G) and RY(EOCR) it appeared that more reasonably expected values of σ_θ for stabilities E, F, and G should be about 15, and $20-25^o$ for the 60 min EOCR tracer releases. If these values were used to recalculate σ_y according to Pasquill (1976), the observed tracer spreadings would have been well accounted for by observed standard deviations of horizontal wind direction. Therefore, much of the departure of RY values from unity resulted from comparisons with previous observations (diffusion climatology) which possessed a substantially smaller amount of wind direction meandering.

Apparently, these calculated enhancements of lateral tracer spreading downwind of the structure were not due particularly (on the average) to the effects of the structure; they resulted from the use of a reasonably correct method, Pasquill (1976) with the wrong σ_θ expectations (they were appropriate for too short of a tracer release/sampling time). The shortness (smallness of σ_θ) was most evident during the more stable atmospheric conditions of categories E, F, and G. However, as shown in figure 19, for small values of σ_θ ($<15^o$), there was a substantial underprediction of plume spreading. When the meandering of the wind direction was sufficiently small (e.g. $<10^o$), only 1/4 to 1/2 of the observed tracer spreading was accounted for by a σ_y calculated from σ_θ. Likewise, for large wind direction meanderings (e.g. $\sigma\theta>25$ to 30^o) the effect of the EOCR structure on lateral plume spreading became indistinguishable from the expected plume spreading in the atmosphere without the structure present.

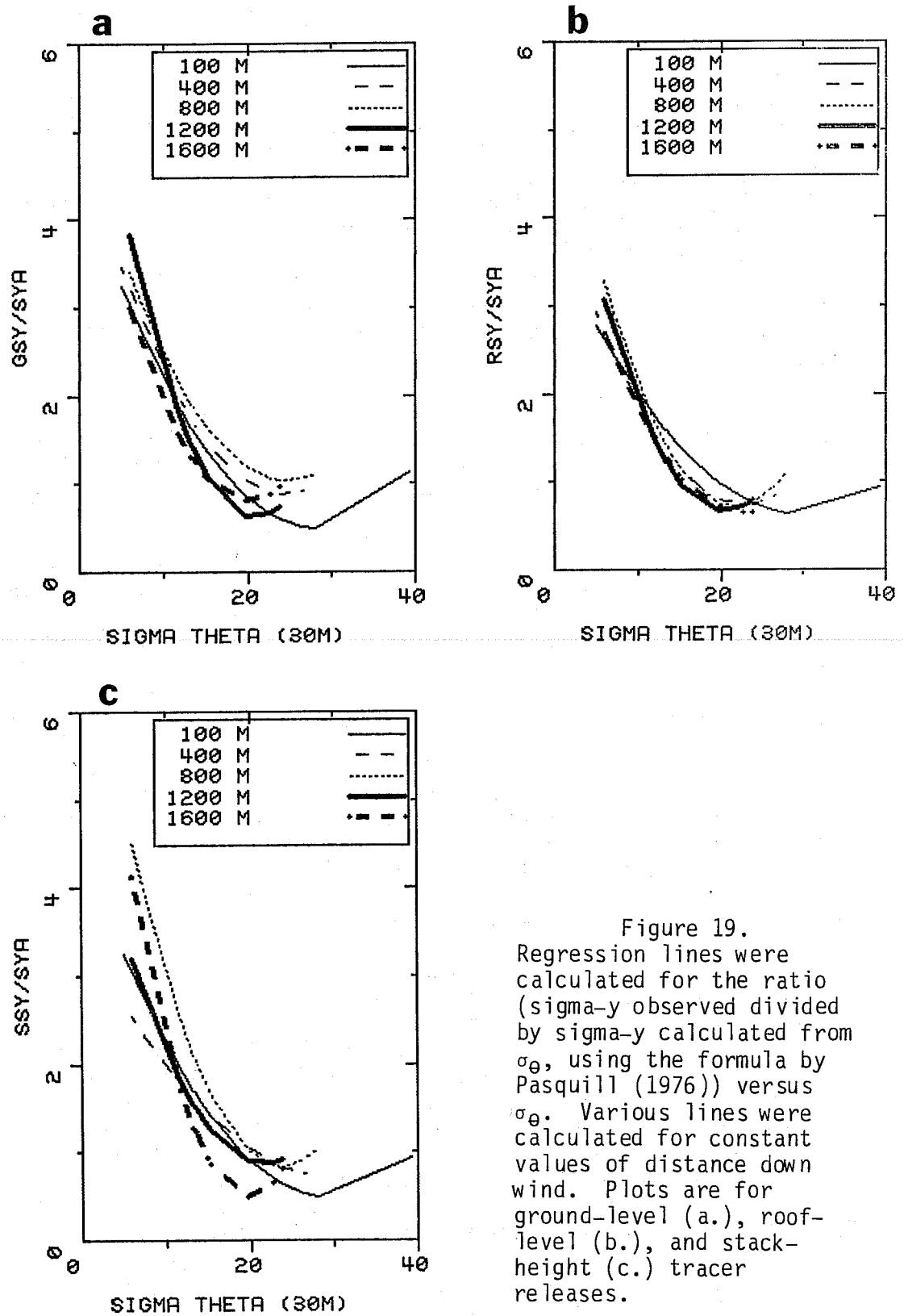

Figure 19. Regression lines were calculated for the ratio (sigma-y observed divided by sigma-y calculated from σ_θ, using the formula by Pasquill (1976)) versus σ_θ. Various lines were calculated for constant values of distance down wind. Plots are for ground-level (a.), roof-level (b.), and stack-height (c.) tracer releases.

4.7 Wake Dilution Estimates Using the "cA" Term.

To account for effects which alter effluent plume dimensions within airfows near and downwind of structures, a simple modification of the Gaussian plume model was presented by Gifford (1961). Equations 7 and 8 are example incorporations of this simple conceptual modification. These equations were used to examine the suitability of the add-on cA term to better account for observed ground-level tracer concentrations. This modification of the diffusion equation is envisioned to be most applicable to ground-level released effluent plumes, but roof and stack released tracer were also examined for completeness.

On the basis of diffusion statistic ratios presented in fig. 18c and 18e the following procedures were adopted for calculation of expected maximum concentrations for comparisons with observed maximum concentrations. After consideration of ratios in figure 18e, it was deemed appropriate to use the expected Pasquill-Gifford (P/G) values of σ_z, since the ratios converged to near unity at and beyond 400m downwind. Significant deviations from expected P/G values were confined to relatively near-building distances. These deviations were ascribed to near-building modifications of expected atmospheric rates of diffusion and to downwash and might be expected to be treated by the near-building modifications of the Gaussian diffusion equation, e.g. the cA term. Since the ratios shown for σ_y in figure 18c did not converge to unity, the actual test-by-test determined values were used in calculations of maximum tracer concentrations. (These values of σ_y and the associated σ_θ values were consistently larger than values usually related to the P/G stability categories.) The observed wind speeds at 30m, essentially at stack-top height, were selected since visible plume observations have shown that considerable plume mass streams away from the building at roof-level or a little higher. In summary, these calculations of maximum ground-level concentrations were made using the Gaussian diffusion equation with 1) observed values of σ_y and wind speeds (measured at 30m), 2) P/G values of σ_z appropriate to the stability category (determined by vertical temperature gradient), 3) plume axis height of 25 or 30m with and without the usual Gaussian exponential off-centerline reduction of concentration, and 4) with and without an add-on cA term in which c = 0.5 and A = 1090m^2.

Figure 20 relates calculated versus observed maximum concentrations. Data from all tests, release heights, stabilities were used, except that data from the 50m arc are not included. The term "CHI PEAK" denotes maximum measured normalized ground-level concentration. Two variations of calculations were used. In fig. 20a and c the add-on term, (+cA), was used as given in eqn. (8). In fig. 20a and b the exponential term (EXP), shown in eqn. (7) was used with z = o. In fig. 20d neither the (EXP) nor the (+cA) were used in calculation of normalized concentrations. It is very obvious from fig. 20 that significant large calculational errors result from use of

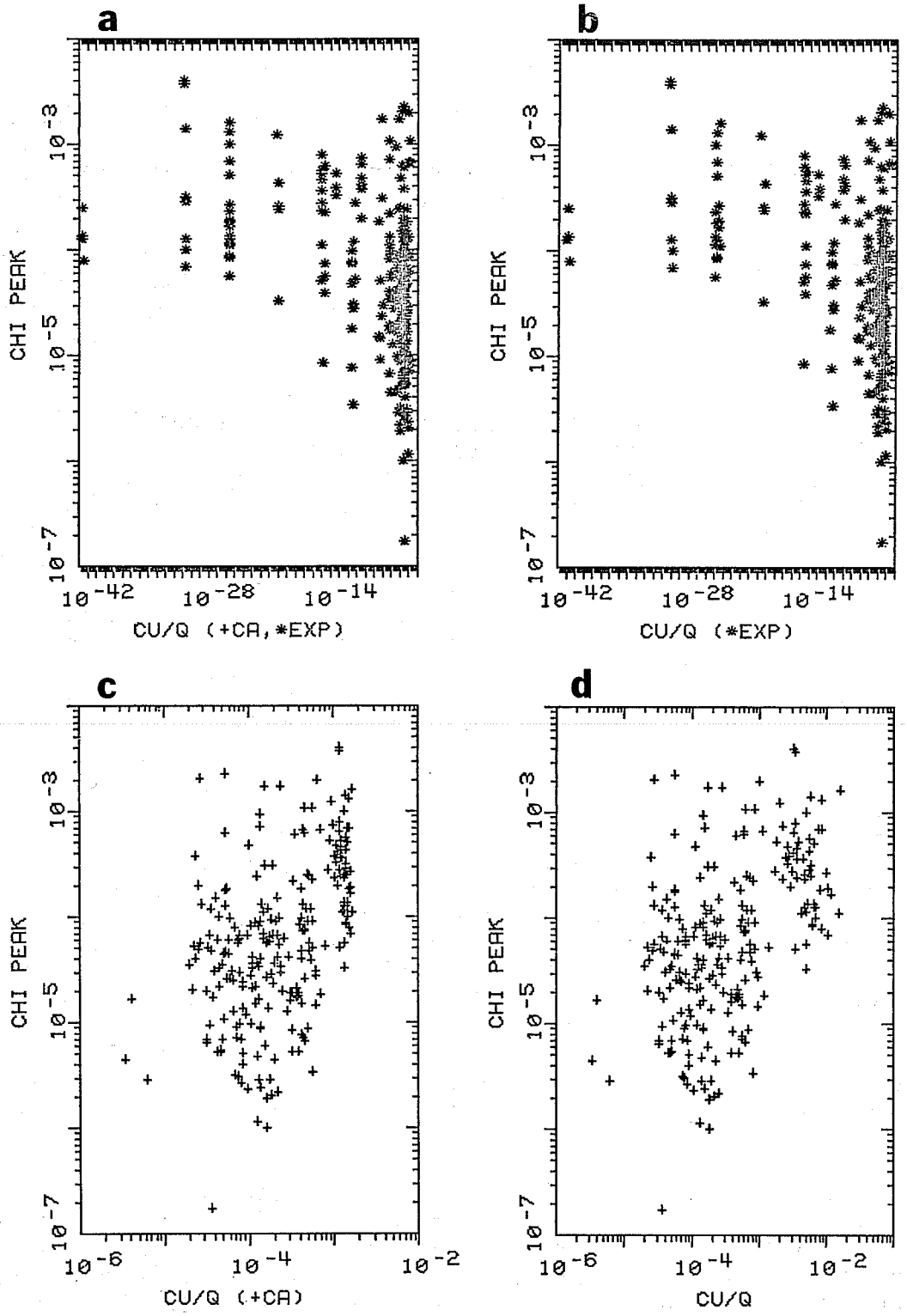

Figure 20. Calculated ground-level normalized concentrations were plotted versus observed normalized maximum concentrations (CHI PEAK). All stability categories, release heights, and all but 50m arc data were plotted. Calculations were made using eqns (7) and (8) with z=o. In figures 20c and 20d H=o was used; in figures 20b and 20d cA=o was used.

the Gaussian equation with EXP. Calculations without use of the EXP term yielded far better comparisons, as shown in fig. 20c and d. Use of the (+cA) term did little to remove the significant over estimation of concentrations. The use of the cA term had the largest relative effect on the largest concentrations (at the far right side). Some concentrations were under-calculated but the large majority (about 85 percent) of the values were over estimated. During the remainder of discussions and comparisons of concentration data, calculated concentrations will NOT include the Gaussian exponential term, EXP, to vertically adjust for off-axis concentration calculations. Instead, calculated axial concentrations will be compared with observed ground-level tracer concentrations. If a calculation or comparison includes the use of the EXP term, it will be explicitedly identified as included in the calculated value.

The relative contribution of the add-on cA term was more easily recognized from the scatter diagram in fig. 21. Calculated values (with and without the cA term) were divided by the observed maximum concentrations and plotted against one another. Differences due to the use of the cA term yielded less than a factor of ten modification of concentration relative to calculations without use of the add-on cA term. Variations of ratio value (whether or not the ratio was formed using concentrations calculated with the cA term) were much greater than the variability of concentrations attributable to use of the cA

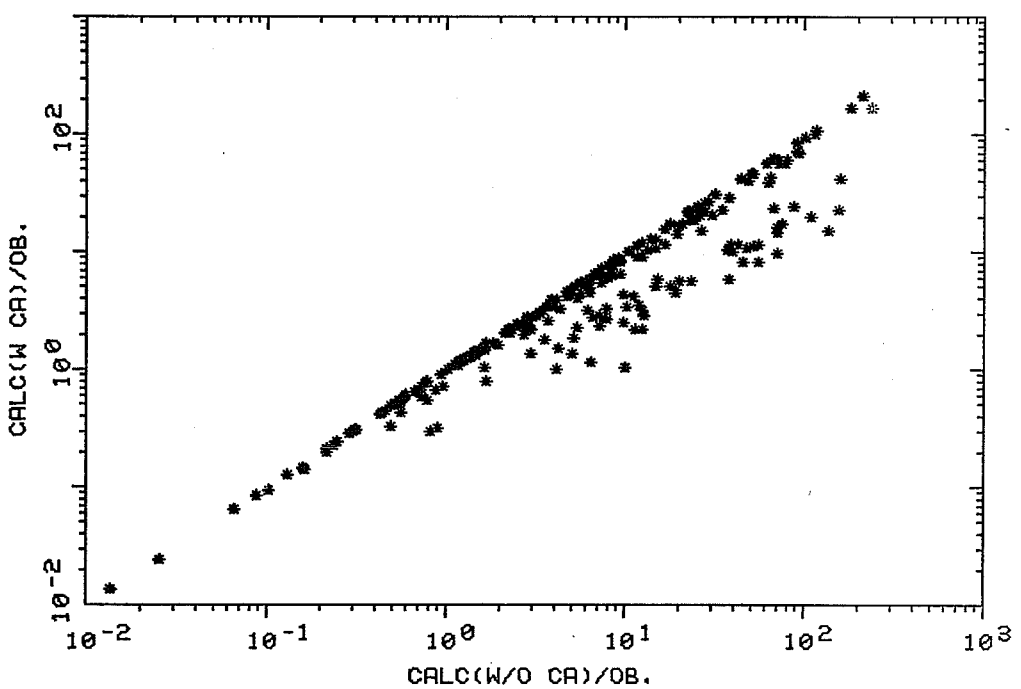

Figure 21. Relative contributions of the add-on cA term are shown by ratios of calculated axial (without the cA term) concentrations divided by observed maximum concentrations (abscissa) versus the corresponding ratios (ordinate) calculated with inclusion of the cA term.

term in the calculations. If 50m arc data were used, these differences would be larger. However, the presence of the structure resulted in tracer travel paths substantially different than 50m, due to non-symmetrical positioning of the tracer release points and trajectory length alterations due to flow around the structure. Therefore, the 50m arc values were given specialized analysis and were reported by Sagendorf et al, (1980) in a specific treatment of near-building diffusion.

Figure 22 presents data for only ground-level tracer releases. In Fig. 22a calculated (with cA term) maximum concentrations versus measured values are presented. The same over-calculation bias existed for ground-level releases as shown in fig. 20 (for all tracer release heights.) Figure 22b shows the ratio of calculated divided by observed concentrations (the same data points used in fig. 22a) versus downwind distance. Ten points were under-calculated and only 4 values (of 82 total points) were under-calculated by more than a factor of two. The largest under-calculation factor was about five. The calculation bias did not appear to be a function of distance.

The behaviors of calculated divided by observed concentration ratios are presented in figures 23, 24, and 25. Ratios were plotted versus distance, as in fig. 22b, but separate figures were provided for each stability class as well as for the entire data set. Figure 23 shows these depictions for ground-level released tracer with calculated values which included the cA term. Figure 24 presents the similar plots for roof-level tracer releases and figure 25 relates to stack discharged tracer; these calculations did not include the add-on cA term for the roof and stack released tracers. Stability category did not seem to be an uncompensated factor in errors (deviations) for calculation of tracer maximum ground-level concentrations. More under-calculations occurred for stack releases (less occurred for ground-level and roof-level releases); the maximum factor of under-calculation was least for ground-level tracer releases. This factor was more for roof-level and was most for stack releases. Under-calculation seemed largest at longer distances for stack-height tracer releases, relative to the other tracers at longer distances.

Ratios of calculated divided by observed concentrations versus wind speed at release height are shown in fig. 26. Figure 26a presents stack release data and fig. 26b depicts results for roof-level released tracer. Figures 26c and d present data for ground-level released tracer. Calculated concentrations included the cA term only in fig. 26c. For stack releases (fig. 26a) there were no under-estimations of concentrations for windspeeds less than 2 m/s, but there were many over-estimations by greater than an order of magnitude. A threshold windspeed for downwash of stack emitted tracer seemed to occur; no similar threshold for ground-level released tracer seemed to occur. Roof-level releases of tracer may have had a lower threshold for downwash (about 1.5 m/s) but it was less certain whether or not roof-level releases behaved substantially different than ground-level releases in this regard.

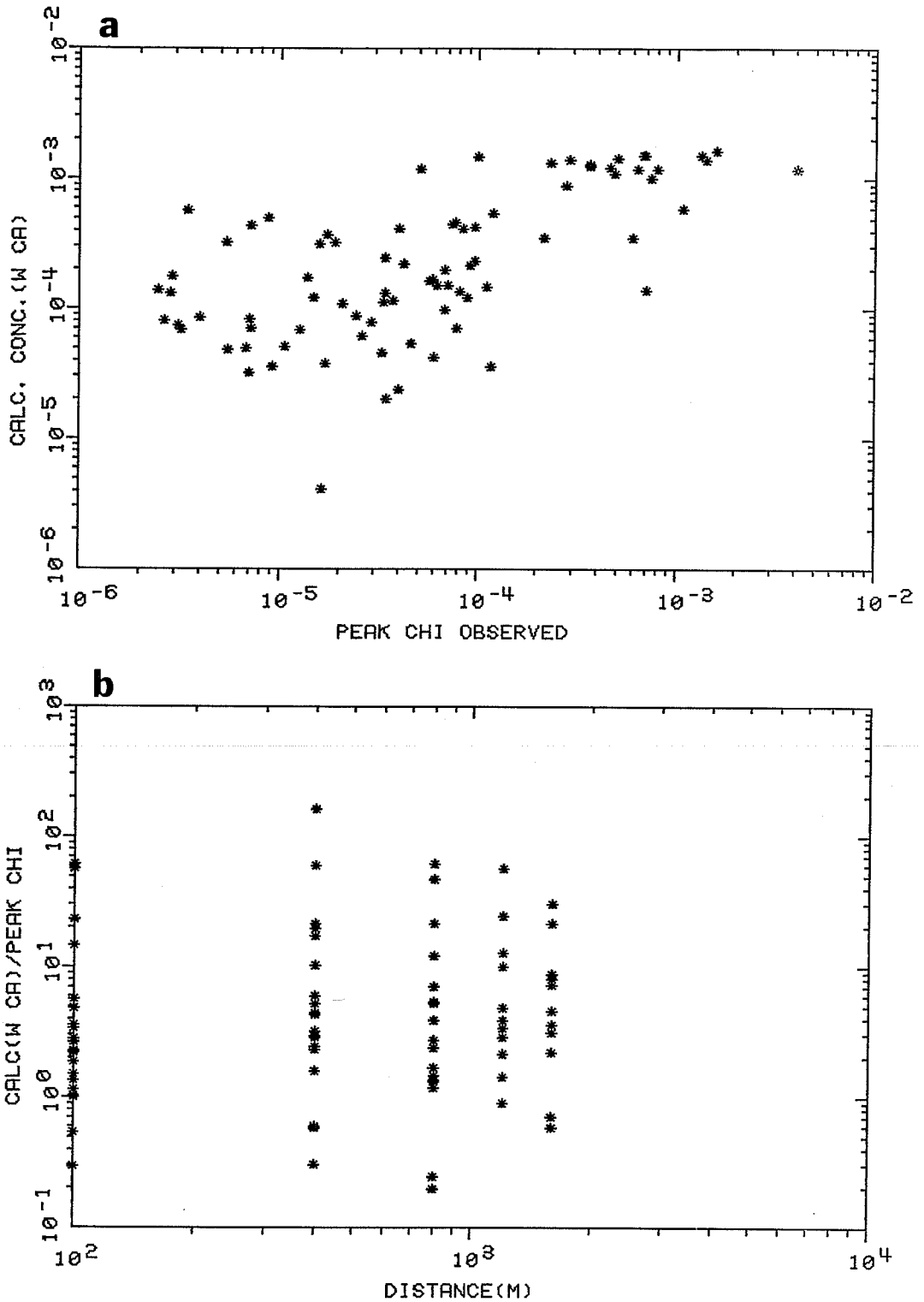

Figure 22. Comparisons of calculated (including the cA term) versus observed maximum concentrations are plotted for only ground-level tracer releases. Calculated values were plotted versus observed values in fig. 22a; most values were calculated too large. Ratios of calculated divided by observed concentration were plotted versus distance in fig. 22b; no significant effect versus distance was apparent.

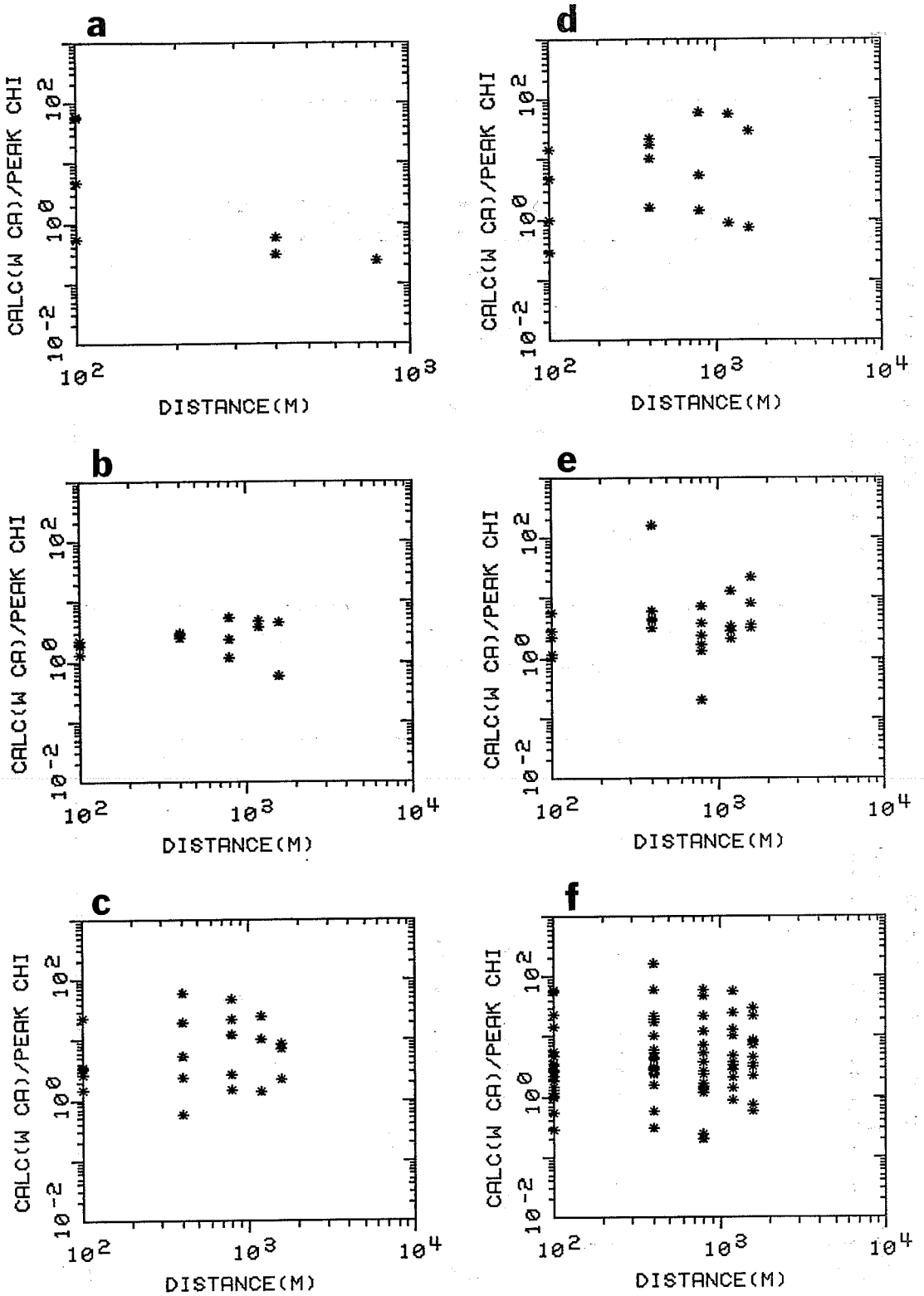

Figure 23. Ratios (of calculated divided by observed concentrations) versus distance are plotted for ground-level tracer releases. Plots were made for particular stability categories (fig. 23a for stability A, fig. 23b for D, fig. 23c for E, fig. 23d for F, fig. 23e for G) and for all stabilities in figure 23f.

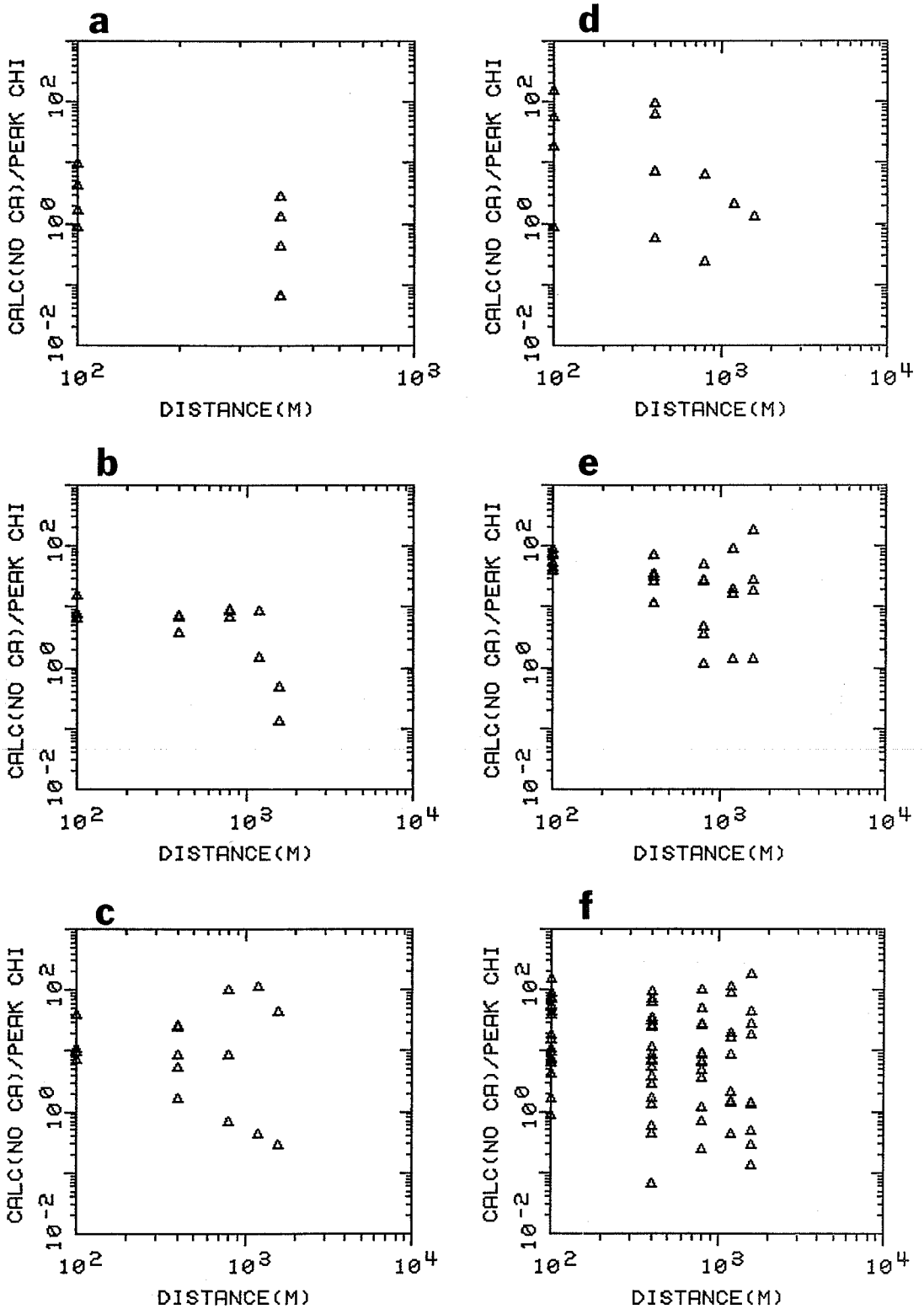

Figure 24. Ratios (of calculated divided by observed concentration) versus distance plotted for roof-level tracer releases. Plots were made for particular stability categories (fig. 24a for stability A, fig. 24b for D, fig. 24c for E, fig. 24d for F, fig. 24e for G) and for all stabilities in fig. 24f.

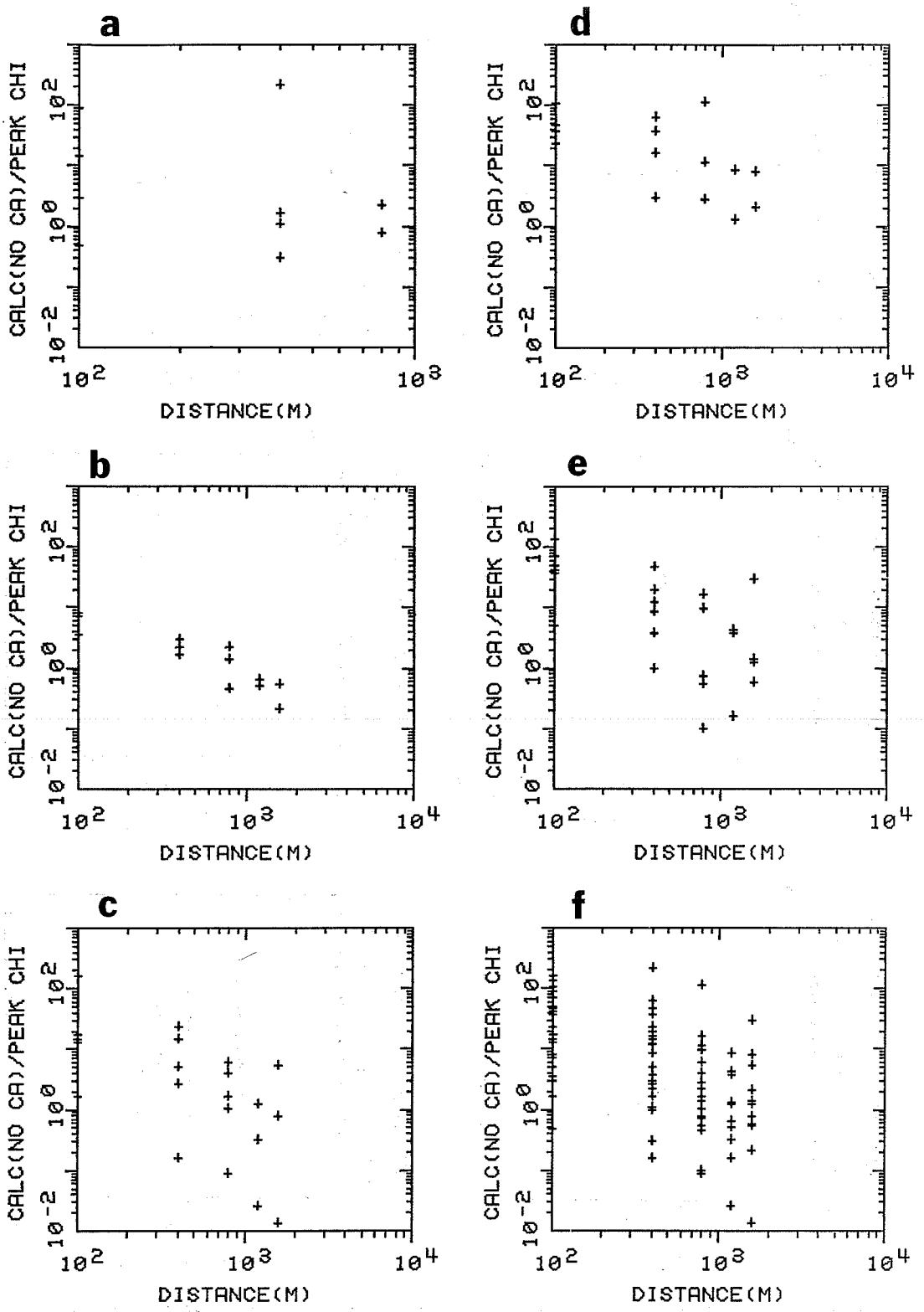

Figure 25. Ratios (of calculated divided by observed concentration) versus distance are plotted for stack tracer releases. Plots were made for particular stability categories (fig. 25a for stability A, fig. 25b for D, fig. 25c for E, fig. 25d for F, fig. 25e for G) and for all stabilities in fig. 25f.

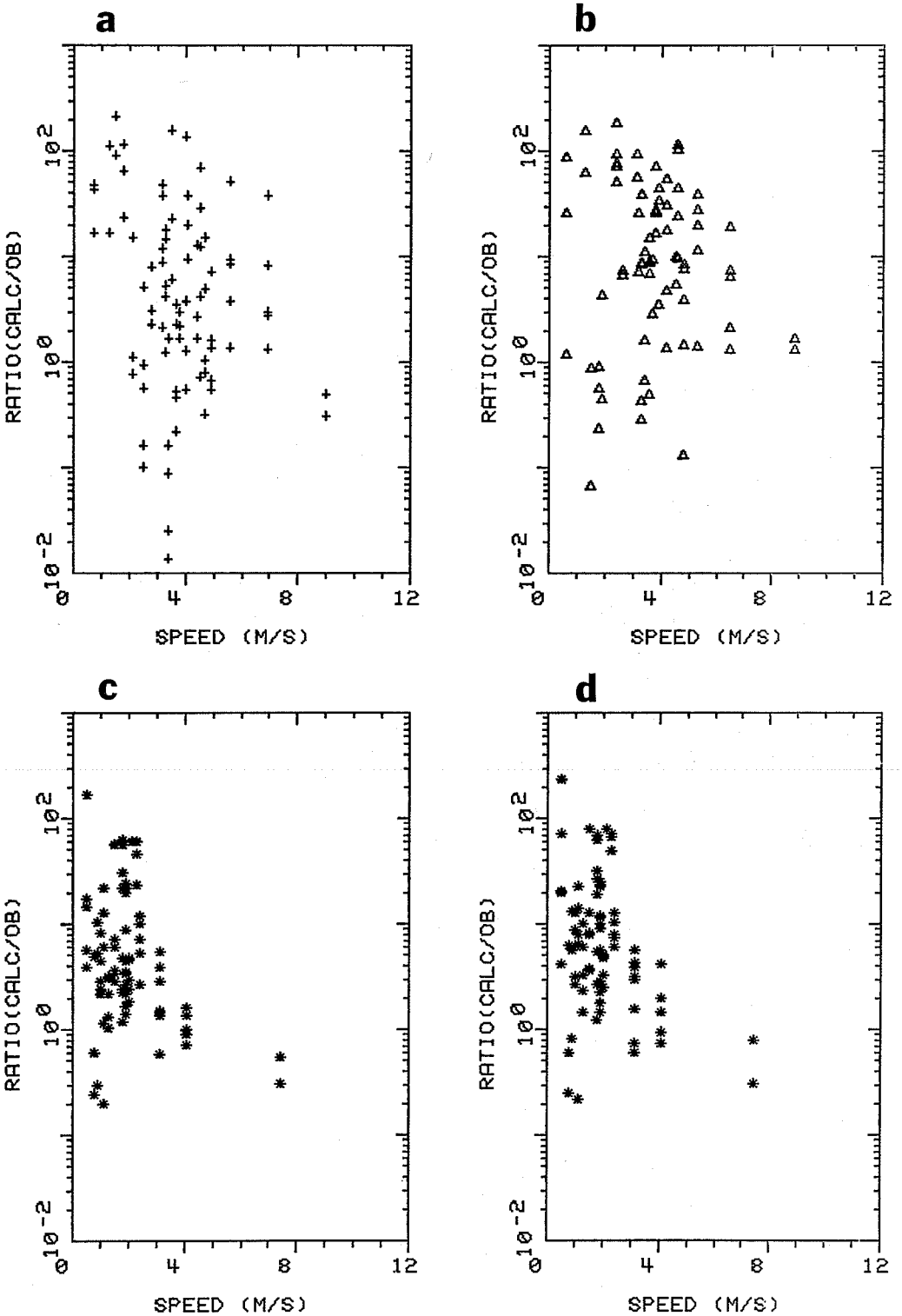

Figure 26. Ratios (of calculated divided by observed maximum concentrations) versus windspeed at 30m. Stack released tracer ratios are shown in fig. 26a and roof released tracer ratios are in fig. 26b. Ground-level tracer ratios are in figures 26c and 26d. Ratios in fig. 26c were based upon calculated concentrations which included the add-on cA term.

5.0 SUMMARY

A series of 22 simultaneous gaseous tracer releases were conducted around the EOCR reactor at the Department of Energy's Idaho National Engineering Laboratory. Sulfurhexafluoride (SF6), dichlorodifluoromethane (Freon 12), and dibromodifluoromethane (12B2) were released for approximately 1-hr intervals and collected by samplers placed on a surveyed grid about the EOCR facility. Average windspeeds for tests within the series varied from less than 1 to almost 10 mps. Atmospheric stabilities included Pasquill-Gifford A, D, E, F, and G (as determined by 10 to 30m temperature difference and NRC guidelines).

A detailed description of normalized relative concentrations near buildings, including EOCR, has been provided by Sagendorf, et al (1980) and was not treated in-depth in this study. In this report, complete data appendices provided lists of meteorological variables, wind direction statistics, sampled plume concentrations, derived diffusion statistics and their ratios with expected open-terrain values, and numerous analyses and plots of these values and statistics. Examples of statistics were described in the body of the report and summarized groupings were used to more clearly describe the main important findings.

Determinations of σ_z were made using numerical techniques to solve the non-linear equation relating crosswind integrated concentration, height of plume axis, and σ_z. The smaller (Gaussian) root was used throughout in this study for calculation of ratios. For stability category A (and some of category D) conditions, it was likely that the non-Gaussian root (vertically well-mixed plume) value of σ_z should have been adopted. For these situations the amount of building enhanced vertical diffusion was underestimated and the downwind extent of this enhanced diffusion was underestimated. For stabilities E, F, and G the use of a Gaussian (smaller) root seemed appropriate since the plumes were not yet well mixed in the vertical. Most test data were collected during these stable categories.

To summarize many of the findings regarding atmospheric diffusion near and downwind of the EOCR structure, Table 14 is presented. Three characeristic zones - a near structure or cavity zone, a transition zone, and a far wake zone - were identified. Relative diffusion and concentration effects were summarized versus distance downwind of the structure. Data from all stability categories were pooled at their common downwind distances. A distinction was made for varied heights of tracer release. Relative differences in tracer behavior were referenced 1) to the expectations of Pasquill-Gifford curves of σ_y, σ_z, and normalized concentration, 2) to substantial alterations of plume centerline height and/or 3) to departures from Pasquill-Gifford rates of growth of σ_y and σ_z. Ground-level releases of tracer were circulated aloft so that ground-level measured concentrations were 10 to 30 times less than expected. Elevated releases of tracer experienced downdraught effects so that their near ground-level measured concentrations exceed expectations from a Gaussian model by factors

exceeding 200-3000 to as much as tens of orders of magnitude. A Gaussian off center-line adjustment of concentration was very poor in the presence of downwash effects.

Table 14. Summary of atmospheric diffusion characteristics versus distance downwind from the EOCR structure. Behaviors within three characteristic zones are summarized. All stability categories were pooled and findings related to figures 18a, c, and e for stack, roof, and ground-level tracer releases.

Ground Level Tracer	Roof and Stack Level Tracer
Cavity Zone	**Cavity Zone**
1. Upward flux of considerable plume mass.	1. Downwash of plume into cavity region.
2. Initial plume broadening laterally and vertically	2. Initial plume broadening laterally and vertically
3. $\sigma_y \simeq 5*(\sigma_y(P/G))$	3. $\sigma_y \simeq (5)*(\sigma_y(P/G))$
4. $\sigma_z \simeq 5*(\sigma_z(P/G))$	4. $\sigma_z \simeq (5 \text{ to } 10)*(\sigma_z(P/G))$
5. $C_g \simeq (0.1 \text{ to } .04)*(C_p(P/G))$	5. $C_g \geq (200 \text{ to } 3000)*(C_p(P/G))$
Transition Zone	**Transition Zone**
1. $\frac{\partial}{\partial x}\sigma_y \simeq$ rate for P/G growth	1. $\frac{\partial}{\partial x}\sigma_y \simeq$ rate for P/G growth
2. $\frac{\partial}{\partial x}\sigma_z <$ rate for P/G growth	2. $\frac{\partial}{\partial x}\sigma_z <$ rate for P/G growth
3. $\sigma_y \simeq (5.5)*(\sigma_y(P/G))$	3. $\sigma_y \simeq (5.5)*(\sigma_y(P/G))$
4. $\sigma_z \simeq (3.5 \text{ to } 1.5)*(\sigma_z(P/G))$	4. $\sigma_z \simeq (5.5 \text{ to } 1.5)*\sigma_z(P/G))$
5. $C_g \simeq (0.04)*(C_p(P/G))$	5. $C_g \simeq (30. \text{to } 1.)*(C_p(P/G))$
Far Wake Zone	**Far Wake Zone**
1. $\frac{\partial}{\partial x}\sigma_y \leq$ rate for P/G growth	1. $\frac{\partial}{\partial x}\sigma_y \leq$ rate for P/G growth
2. $\frac{\partial}{\partial_x}\sigma_z \simeq$ rate for P/G growth	2. $\frac{\partial}{\partial_x}\sigma_z \simeq$ rate for P/G growth
3. $\sigma_y \simeq (6. \text{ to } 4.5)*(\sigma_y(P/G))$	3. $\sigma_y \simeq (6. \text{ to } 4.5)*(\sigma_y(P/G))$
4. $\sigma_z \simeq (1.5 \text{ to } 0.6)*(\sigma_z(P/G))$	4. $\sigma_z \simeq (1.5 \text{ to } 0.5)*(\sigma_z(P/G))$
5. $C_g \simeq (.04 \text{ to } 0.7)*(C_p(P/G))$	5. $C_g \simeq (3. \text{ to } 0.3)*(C_p(P/G))$

Where

C_g is ground-level concentration
x is distance in the along wind direction

Vertical diffusion differences ascribed to the structure developed very rapidly near the building; they rapidly diminished for all tracers and σ_z values approached the expected values by approximately 400m downwind (about the downwind extent of the transition zone). Thus, the overall effect upon vertical behavior of tracer was an initial alteration of plume center of mass and/or centerline, especially for near ground-level effluent releases. An initial vertical dispersion rapidly developed throughout a zone near the building with depth approximating the height of the structure. Within the transition zone vertical diffusion in the wake appeared inhibited and developed at a rate less than expected wtihout the presence of the structure and its wake turbulence effects. It was important to note that while the rate of diffusion appeared to be less than ambient rates, the vertical diffusion statistic (σ_z) remained greater than or about equal to the expected P/G value (RZ>1). In the far wake zone, vertical diffusion appeared to proceed as expected over open terrain and σ_z values were as expected without the presence of the building. Lidar observations (unpublished measurements by SRI) of simultaneous smoke plumes qualitatively supported these gaseous tracer findings.

Lateral plume spreading was observed to be larger than expected for open-terrain values relative to Pasquill-Gifford estimates of σ_y. This departure from expected σ_y values was not related to downwind distance. The enhanced lateral spreading at the EOCR site in SE Idaho was well explained by larger-than-expected variance in horizontal wind direction. When the observed standard deviation of horizontal wind direction was below a certain value (about 10 to 15^o for EOCR) an enhanced lateral plume spreading (not explained by use of σ_θ in calculations) within the turbulent wake became evident; calculated tracer σ_y values were significantly larger (2 to 4 times) than predicted by σ_θ measurements. Apparently, during the course of usual wind direction meandering in the atmosphere, minimal building induced plume broadening effect was evident for average one-hour plume concentration distributions. Obviously, for nearly instantaneous samplings of effluent plume, the quasi-instantaneous plume must have had initial plume broadening (easily seen from visual tracer plumes near the structure); this initial broadening usually was small compared to the plume broadening due to wind direction meandering. Physical modeling results should contain a noticeable effect of the structure and provide guidance on lateral plume spreading behavior for relatively short (a few minutes) sampling times, but physical modeling would not describe broadening due to meandering, without some adjustment.

The downwind extent of structure altered σ_z values (shown by RZ ratios) appeared to be 400m to 800m (about 16 to 32 reference lengths, where a reference length is distance divided by structure height (=25m). Differences in σ_y (shown by RY ratios) were mostly related to the amount of wind direction meandering and appeared to be independent of downwind distance. Maximum (peak) ground-level tracer concentrations for ground-level tracer releases were 3 to 4 times less

than expected at 800 to 1600m downwind (about 32 to 64 reference lengths) when the average concentration ratio (RC) was divided by the average σ_y (RY) ratio. Thus, these tracer plumes still appeared to be more elevated than the 1m physical height of release (the value used to calculate the expected concentration from the Gaussian formula) or the vertical gradients of concentration were less than expected for a Gaussian distribution. Concentrations for roof-level tracer release were essentially as expected from the Gaussian formula at 800m and farther downwind when they were divided by the average RY value. In the same manner, ground-level concentrations of stack discharged tracer were about five to ten times greater than expected from the Gaussian formula, i.e., when adjusted for greater lateral spreading than predicted from P/G curves of σ_y. Apparently the effects of downwash had not yet been compensated by vertical diffusion processes to the extent that calculations made with the Gaussian equation were free of a substantial bias for under-calculation.

Estimates of ground-level concentrations within the downwind wake of the EOCR structure were not well calculated if the off-axis plume concentrations were determined by inclusion of the customary Gaussian exponentail function of σ_z and H. A downwash of elevated plumes and an uplifting of ground-level plume occurred. In the presence of systematic, non-random vertical motions within the wake of the structure (especially within the cavity or near-building zone) use of the exponentail Gaussian-distribution adjustment is not recommended. Better estimated concentrations (even though biased toward over-calculation) were obtained if plume centerlines were assumed to occur near ground-level (e.g. figure 20d). Inclusion of an add-on term (+cA) in the denominator of the Gaussian diffusion equation (eqn.8) did relatively little to improve accuracy of calculations. It seemed that a downwash factor (adjusting both ground-level and elevated effluent releases) would be more appropriate. This mixed mode of release appeared to be a better concept for revision of ground-level tracer concentrations derived from the Gaussian equation. Ground-level concentration estimates might better be determined by a partitioning of the source into a fraction transported vertically and a fraction remaining near release height. The source term for elevated tracer releases would have a fraction of the effluent transported to near ground-level through downwash effects and a fraction remaining elevated.

6.0 RECOMMENDATIONS

A number of additional features of building wake effects should be examined from this data set. The fractions of source effluent which appeared to be displaced from the height of release should be evaluated to examine quantitatively the mixed mode of release behavior.

Specialized wind fluctation data exist for the 100m arc and these data should be related to physical modeling information such as described by Peterka and Cermak (1975).

Several alternate schemes for calculation of plume concentrations, dimensions, etc., (some semi-empirical), have been proposed for application to the cavity and wake zones of structures. These data might be used to evaluate the performance of these schemes.

Calculation of additional meteorological wind fluctuation statistics should be performed (Hunt, 1980) to examine the reasons for large σ_θ and σ_y, and to explore a theoretical method for calculation of σ_z.

Additional quantative measurements of vertical diffusion effects in the transition zone are desirable. These data would more clearly describe the apparent slower-than-ambient rate of diffusion operative on plumes within wakes compared to plumes outside structural turbulent wakes. SRI collected LIDAR data touched upon this behavior but the quantitative data were not available to complete this investigation.

Acknowledgments

Computer codes for special file handling and statistical processing were developed by G. R. Ackermann. The output data listings and graphical depictions of data were performed by generalized utility computer codes also developed by G. R. Ackermann.

Tower instrumentation and samplers for the test series were installed and operated by Mr. F. E. White.

Mrs. Lydia Thorngren typed and proof-read the manuscript.

REFERENCES

Conte, S. D. (1965): Elementary Numerical Analysis. McGraw-Hill Book Company, New York, 278 pp.

Dorn, W. S., and D. D. McCracken (1972): Numerical Methods with Fortran IV Case Studies. John Wiley and Sons, New York, 447 pp.

Gifford, F. A. (1961): Use of routine meteorological observations for estimating atmospheric dispersion. Nuclear Safety, 2(4): 47-51

Gifford, F. A. (1968): Diffusion in the lower layers of the atmosphere Meteorology and Atomic Energy 1968, D. H. Slade, ed., USAEC TID 24120, 65-116.

Halitsky, J. (1968): Gas diffusion near buildings. Meteorology and Atomic Energy 1968, D. H. Slade, ed., USAEC TID 24190, 221-255.

Hunt, J. C. R., personal communication, 1980.

Lovelock, J. E., R. J. Maggs, and E. R. Adlard (1971): Gas-phase coulometry by thermal electron attachment. Anal. Chem., 43:1962-1965.

Pasquill, F. (1961): The estimation of the dispersion of windborne material. Meteorol. Mag. 90:33-49.

Pasquill, F. (1974): Atmospheric Diffusion: The Dispersion of Windborne Material from Industrial and Other Sources. D. Van Nostrand Company, Ltd., London, England, 429 pp.

Pasquill, F. (1976): Atmospheric Dispersion Parameters in Gaussian Plume Modeling. Part II. Possible Requirements for Change in the Turner Workbook Values. Environmental Monitoring Series No. EPA-600/4-76-030b, U. S. Environmental Protection Agency, Research Triangle Prk, North Carolina, 44 pp.

Peterka, J. A., and J. E. Cermak (1975): Turbulence in building wakes 4th Internation. Conference on Wind Effects on Buildings and Structures, London, United Kingdom, 8-12 September, 1975.

Sagendorf, J. F., and C. R. Dickson (1974): Diffusion under low wind speed, inversion conditions. NOAA Tech. Memo., ERL ARL-52, Air Resources Laboratories, Idaho Falls, Idaho.

Sagendorf, J. F., N. R. Ricks, G. E. Start, and C. R. Dickson (1980): Diffusion near buildings as determined from atmospheric tracer experiments. NOAA Tech. Memo., ERL ARL-84, Air Resources Laboratories, Idaho Falls, Idaho.

Start, G. E., J. H. Cate, C. R. Dickson, N. R. Ricks, G. R. Ackermann and J. F. Sagendorf (1977): Rancho Seco building wake effects on atmospheric diffusion. NOAA Tech Memo., ERL ARL-69, Air Resources Laboratories, Idaho Falls, Idaho.

Turner, D. B. (1970): Workbook of Atmospheric Dispersion Estimates, Public Health Service Publication No. 999-AP-26, PB-191482. U. S. Dept. of Health, Education, and Welfare, Public Health Service, Div. of Air Pollution, Cincinnatti, Ohio, 88 pp.

Wilson, R. G., G. E. Start, C. R. Dickson, and N. R. Ricks (1976): Diffusion under low windspeed conditions near Oak Ridge, Tennessee, NOAA Tech. Memo., ERL ARL-61, Air Resources Laboratories, Idaho Falls, Idaho.

Yansky, G. R., E. H. Markee, Jr., A. P. Richter (1966): Climatography of the National Reactor Testing Station, IDO-12048, U. S. Atomic Energy Commission, Idaho Falls, Idaho, 184 pp.

APPENDIX A: Supplemental Meteorological Data

The following tables contain data from the instruments located on the tower northwest of the reactor building. Nuclear Regulatory Commission (NRC) criteria are used in determining stability classes. These criteria, based upon lapse rate, are listed by Start, et al., (1977), page 15.

Table A-1. Date, time, temperatures, and stability versus test.

Test No.	Date	Start Time 1	Stop Time 1	T4m[2]	T20m[2]	T30m[2]	ΔT/ΔZ[3]	STAB[4]
3	7/8	0606	0706					F*
4	7/9	0559	0649	62.73	63.51	63.95	1.22	E
5	7/18	1007	1107	77.95	76.37	74.39	-5.50	A
6	7/21	0624	0724	58.90	59.60	59.24	-1.00	D
7	7/22	0543	0630					G
8	7/24	0348	0417	56.37	59.24	60.52	3.56	F
9	7/28	0503	0603	56.74	59.02	67.45	23.42	G
10	7/31	1024	1107	61.11	60.18	59.22	-2.67	A
11	8/12	1008	1035	76.11	74.63	73.55	-3.00	A
12	8/13	0642	0712	55.78	55.68	55.69	0.03	E
13	8/14	1017	1117	75.26	73.74	72.37	-3.81	A
14	5/6	0619	0719	48.62	48.92	48.86	-0.17	E
15	5/12	0618	0718	44.38	44.32	43.88	-1.22	D
16	5/18	0616	0716	54.43	53.80	53.32	-1.33	D
17	5/21	0451	0551	31.60	33.74	38.39	12.92	G
18	6/23	0435	0535	44.53	46.17	47.51	3.72	F
19	6/29	0329	0429	52.31	54.64	58.43	10.53	G
20	6/30	0344	0442	60.94	62.60	64.54	5.39	G
21	7/15	0344	0444	55.39	58.11	59.93	5.06	G
22	7/16	0742	0842	73.88	73.11	73.10	-0.03	E
23	7/21	0748	0846	68.04	67.13	67.29	0.44	E
24	7/22	0814	0914	71.15	70.05	70.68	1.75	F

*Based on cloud cover, time of day, and season (no met data)

1 Times are given in Mountain Standard Time

2 Temperature in degrees F at indicated heights

3 $\Delta T/\Delta Z$ in $C^o/100m$ (based on $T_{30m}-T_{10m}$)

4 NRC Stability class.

Table A-2. Averaged wind speeds and directions versus test for 4, 10, and 30m heights.

Test	4m Dir	4m σ_θ	4m Spd[3]	10m Dir[1]	10m σ_θ[2]	10m Spd[3]	30m Dir[1]	30m σ_θ[2]	30m Spd[3]
3			0.5			0.8			1.3
4	20.2	11.6	3.05	24.9	9.3	3.66	14.6	5.1	4.52
5	245.8	14.0	7.38	245.9	12.7	8.09	247.3	12.1	9.05
6	54.7	35.1	1.77	44.1	33.8	1.98	42.7	26.4	2.80
7			0.5			0.5			0.7
8	305.4	52.3	0.92	294.2	37.3	1.28	342.5	28.0	1.86
9	357.0	38.9	1.96	15.7	25.7	3.03	28.8	13.8	4.10
10			3.2	178.1	159.5	3.45	192.7	156.0	3.75
11	40.1	89.2	1.50	39.3	86.9	1.47	30.5	102.5	1.54
12	39.7	12.6	2.33	41.6	11.1	2.46	43.0	7.2	3.57
13	17.3	51.9	1.89	21.7	48.4	1.98	17.9	39.3	2.17
14	46.6	8.9	6.56	46.4	7.4	7.81	47.5	5.9	9.50
15	18.0	23.8	2.02	19.6	22.7	4.25	20.1	22.7	4.91
16	22.6	23.6	3.14	22.8	22.7	3.35	27.6	19.8	3.69
17	347.9	67.3	1.17	1.7	44.0	1.55	26.2	23.9	2.53
18	38.7	17.2	4.12	37.1	15.9	5.01	32.3	14.9	6.89
19	11.4	22.0	1.08	20.1	22.0	2.57	38.6	15.3	4.54
20	31.4	22.1	1.55	36.2	18.2	3.62	45.3	11.7	5.64
21	8.9	21.3	1.36	19.4	17.9	3.12	27.0	13.5	3.96
22	34.4	17.3	2.4	33.5	16.0	4.23	19.5	13.3	4.69
23	28.1	22.0	1.88	28.2	20.5	3.02	15.6	16.1	3.28
24	28.4	25.7	1.83	28.2	22.7	3.01	18.0	19.0	3.19

1 Average wind direction in degrees from true north

2 Standard deviation of horizontal wind direction in degrees.

3 Average wind speed in m/sec

APPENDIX B: Two Minute Interval Wind Data for Each Test

This appendix gives the values of wind statistics averaged over two minute intervals during each test. Data given are given for the heights of 4m, 10m, and 30m.

Definitions of labels used.

TEST Number of test

DATE Date of test composed of six digits in the form YYMMDD. YY is the last two digits of the year, MM is the number of the month, and DD is the day of the month.

TIME Time (MST) of end of two minute interval composed of six digits in the form hhmmss where hh is the hour, mm is the minute, and ss is the second.

NUM PTS Number of wind observations taken during the two minute interval at each height

4M DIR Two minute average wind direction in degrees at 4m.

10M DIR Two minute average wind direction in degrees at 10m.

30M DIR Two minute average wind direction in degrees at 30m.

4M DSD Standard deviation of the wind direction in degrees during the two minute interval at 4m.

10M DSD Standard deviation of the wind direction in degrees during the two minute interval at 10m.

30M DSD Standard deviation of the wind direction in degrees during the two minute interval at 30m.

4M DVAR Variance of the wind direction in deg^2 during the two minute interval at 4m.

10M DVAR Variance of the wind direction in deg^2 during the two minute interval at 10m.

30M DVAR Variance of the wind direction in deg^2 during the two minute interval at 30m.

4M SPD Two minute average wind speed in m/sec at 4m.

10M SPD Two minute average wind speed in m/sec at 10m.

30M SPD Two minute average wind speed in m/sec at 30m.

4M SSD Standard deviation of the wind speed in m/sec during the two minute interval at 4m.

10M SSD Standard deviation of the wind speed in m/sec during the two minute inverval at 10m.

30M SSD Standard deviation of the wind speed in m/sec during the two minute interval at 30m.

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120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
1	4.0000	7.50709E+05	70109.	11.000	16.930
	21.140	10.342	7.9461	6.1209	1.7268
	63.140	37.466	2.9817	2.2972	3.0322
	5.3813	0.36810	0.38454	7.96954E-02	
2	4.0000	7.50709E+05	70329.	12.000	13.413
	19.995	12.229	5.1785	4.2032	0.94805
	26.816	17.667	0.89680	2.7887	3.5800
	5.3516	0.20747	0.34271	7.67400E-02	
3	4.0000	7.50709E+05	70529.	11.000	15.314
	22.644	14.276	7.5514	5.3529	1.0622
	57.823	28.654	1.1202	3.0033	3.6014
	5.7651	0.45254	0.37556	0.16320	
4	4.0000	7.50709E+05	70729.	12.000	15.623
	22.681	14.581	8.4184	5.1017	10.408
	70.735	26.027	108.33	3.0148	3.6028
	4.4511	0.33416	0.37304	2.1612	
5	4.0000	7.50709E+05	70929.	12.000	19.988
	18.924	13.350	11.142	5.4125	19.308
	124.14	29.295	375.90	3.1979	4.8430
	2.4082	0.63993	0.40503	2.4056	
6	4.0000	7.50709E+05	71129.	12.000	21.794
	23.646	13.065	5.7118	5.9019	3.5216
	32.625	34.832	12.402	3.6379	4.3345
	0.71926	0.35460	0.41176	2.09058E-02	
7	4.0000	7.50709E+05	71329.	12.000	17.379
	21.696	14.086	8.9757	7.4426	10.911
	80.563	55.392	119.06	3.2145	3.9662
	4.2966	0.38724	0.49999	2.0516	

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120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
15	4.0000	7.50709E+05	72929.	12.000	35.852
	37.425	20.647	7.1475	7.0492	5.6852
	51.087	49.692	32.321	2.9588	3.5150
	4.6327	0.41742	0.39982	0.53204	
16	4.0000	7.50709E+05	73039.	8.0000	35.552
	40.788	20.809	8.7464	8.5327	6.1419
	76.500	72.808	37.723	3.5080	3.5657
	4.9178	0.47247	0.51114	0.40736	
17	5.0000	7.50718E+05	1.10900E+05	12.000	263.23
	257.34	261.36	9.9529	8.7128	9.1064
	99.860	75.913	82.926	7.6966	8.4244
	9.2950	1.0503	0.95451	1.1813	
18	5.0000	7.50718E+05	1.11100E+05	12.000	264.04
	268.30	271.16	9.1959	6.4192	6.5908
	84.564	41.207	43.439	5.8510	6.3803
	6.8642	0.94298	1.0312	0.77551	
19	5.0000	7.50718E+05	1.11550E+05	2.0000	258.26
	243.85	244.97	42.884	32.370	28.448
	1839.1	1047.8	808.82	5.7579	7.0993
	8.1748	1.5493	2.0369	1.9877	
20	5.0000	7.50716E+05	1.11750E+05	12.000	246.65
	247.51	245.83	14.806	12.230	13.448
	219.20	149.58	180.63	5.3818	5.9109
	6.4480	1.3661	1.6999	1.6244	
21	5.0000	7.50718E+05	1.11950E+05	12.000	243.98
	245.41	244.20	16.349	11.512	11.126
	267.28	132.52	123.78	6.4187	7.3897
	8.5893	2.2484	2.5132	2.5112	

1975 EOCR TESTS 4-13

120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
8	4.0000	7.50709E+05	71529.	12.000	9.0653
	18.412	11.725	12.060	6.8574	7.3845
	145.45	47.024	54.531	3.0630	3.6542
	4.4195	0.40954	0.48316	1.1965	
9	4.0000	7.50709E+05	71729.	12.000	13.645
	17.993	9.8132	10.804	7.2373	5.1212
	116.73	52.378	26.227	2.9408	3.5129
	4.9228	0.43064	0.32315	0.41505	
10	4.0000	7.50709E+05	71929.	12.000	23.893
	23.446	14.752	13.276	7.9447	7.1280
	176.26	63.118	50.808	2.9014	3.4857
	4.9023	0.39927	0.45999	1.1033	
11	4.0000	7.50709E+05	72129.	12.000	17.986
	29.619	13.649	5.2071	9.4396	5.0548
	27.114	89.187	25.551	3.5464	3.9287
	5.2344	0.51141	0.50643	0.34322	
12	4.0000	7.50709E+05	72329.	11.000	19.576
	21.541	14.787	7.9470	5.8461	3.5233
	63.154	34.177	12.414	3.2921	3.7274
	5.2293	0.53386	0.47863	0.34738	
13	4.0000	7.50709E+05	72529.	12.000	25.250
	29.921	18.074	11.312	7.7473	2.6533
	127.96	60.020	7.0401	2.6853	3.2690
	5.1618	0.49187	0.58315	0.42701	
14	4.0000	7.50709E+05	72729.	12.000	27.743
	33.289	18.644	9.9703	8.6018	4.9746
	99.487	75.373	24.747	2.6978	3.2074
	4.7111	0.49484	0.46113	0.35183	

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120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
22	5.0000	7.50718E+05	1.12150E+05	12.000	252.32
	254.05	250.96	8.2833	11.422	5.5604
	68.613	130.46	30.918	7.2274	8.0491
	6.9605	1.2961	1.8015	1.0029	
23	5.0000	7.50718E+05	1.12350E+05	12.000	239.26
	241.81	244.79	10.133	8.6393	4.6364
	102.67	74.638	21.497	7.5734	8.0028
	9.3760	1.3796	1.3082	0.99791	
24	5.0000	7.50718E+05	1.12550E+05	12.000	239.97
	238.47	239.15	10.004	10.777	10.578
	100.08	116.15	111.89	7.1232	7.9550
	9.2247	1.2549	1.3706	1.9147	
25	5.0000	7.50718E+05	1.12750E+05	12.000	242.25
	243.54	244.08	7.0202	7.9088	4.2288
	49.284	62.550	17.076	9.3900	10.595
	11.352	1.1954	1.2431	0.96482	
26	5.0000	7.50718E+05	1.12950E+05	12.000	228.74
	231.07	233.68	8.0395	5.8929	5.7889
	64.634	34.726	33.512	8.1278	8.8067
	9.7147	1.1398	1.0480	0.95976	
27	5.0000	7.50718E+05	1.13230E+05	1.0000	238.08
	221.76	236.86	0.00000	0.00000	0.00000
	0.00000	0.00000	0.00000	5.6148	6.4642
	6.9023	0.00000	0.00000	0.00000	
28	5.0000	7.50718E+05	1.13430E+05	12.000	236.17
	240.06	238.30	8.0045	4.4110	3.1238
	64.073	19.457	9.7583	8.7958	10.102
	10.881	1.0540	1.0526	0.70586	

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120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
29	5.0000	7.50718E+05	1.13630E+05	12.000	242.47
	243.65	247.65	11.513	10.596	5.3738
	132.55	112.27	28.877	8.4893	9.1712
	10.745	2.0761	1.8855	1.4376	
30	5.0000	7.50718E+05	1.13830E+05	12.000	247.80
	248.84	246.60	12.553	10.195	9.9622
	157.59	103.93	99.245	8.0073	8.8724
	9.5183	1.0989	1.1628	1.4227	
31	5.0000	7.50718E+05	1.14030E+05	12.000	250.57
	246.04	254.08	7.1787	12.444	11.487
	51.534	154.85	131.96	7.0454	7.6211
	8.4777	1.9170	1.7585	1.8641	
32	5.0000	7.50718E+05	1.14230E+05	12.000	251.39
	251.36	253.89	13.593	11.035	7.6970
	184.77	121.78	59.244	6.7287	7.4978
	8.7354	1.3889	1.2195	1.2204	
33	5.0000	7.50718E+05	1.14550E+05	1.0000	249.74
	263.26	250.74	0.00000	0.00000	0.00000
	0.00000	0.00000	0.00000	5.2125	5.0024
	6.9157	0.00000	0.00000	0.00000	
34	5.0000	7.50718E+05	1.14750E+05	12.000	248.11
	233.83	234.78	13.673	9.3197	10.171
	186.96	86.858	103.45	6.4496	7.1569
	7.8889	1.1007	0.99295	1.2750	
35	5.0000	7.50718E+05	1.14910E+05	9.0000	248.41
	246.24	247.58	8.6627	7.0124	10.441
	75.842	49.174	109.00	7.8859	8.4236
	9.7993	2.0372	1.7727	2.0028	

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120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
43	6.0000	7.50721E+05	74000.	12.000	67.324
	56.098	58.456	9.6333	9.2043	5.1423
	92.801	84.719	26.444	1.4422	1.5725
	3.8355	0.17907	0.25507	0.25683	
44	6.0000	7.50721E+05	74200.	12.000	92.693
	76.603	66.177	14.042	13.728	6.6660
	197.19	188.46	44.435	1.4705	1.6016
	2.6313	0.30602	0.27186	0.27122	
45	6.0000	7.50721E+05	74400.	12.000	106.64
	97.184	84.692	10.638	8.3129	6.3242
	113.17	69.185	39.995	1.6148	1.7667
	2.7364	0.28239	0.20210	0.34036	
46	6.0000	7.50721E+05	74600.	12.000	126.37
	118.67	91.598	10.404	5.4678	4.4692
	108.25	29.897	19.974	1.2848	1.6905
	2.7614	0.23187	0.28184	0.27160	
47	6.0000	7.50721E+05	74800.	12.000	112.84
	96.713	81.988	14.449	9.4968	4.8354
	208.79	90.174	23.381	1.2579	1.3292
	2.5583	0.23302	0.25367	0.18828	
48	6.0000	7.50721E+05	75000.	12.000	102.58
	92.131	81.142	9.8387	10.477	7.4014
	96.799	109.76	54.788	0.99688	1.2022
	2.9052	0.34074	0.49057	0.35074	
49	6.0000	7.50721E+05	75200.	12.000	99.732
	97.485	80.443	11.558	8.5968	6.0997
	133.41	73.898	37.287	1.6488	1.8504
	3.0293	0.42223	0.36391	0.50921	

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120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
36	6.0000	7.50721E+05	72600.	12.000	15.028
	5.8878	23.390	4.7398	5.6465	2.9581
	22.465	31.883	8.7503	2.5281	2.7674
	3.9888	0.27397	0.12523	0.11268	
37	6.0000	7.50721E+05	72800.	12.000	15.755
	5.7037	16.090	7.1545	5.9709	4.1666
	51.187	35.651	17.361	2.5111	2.8702
	3.9464	0.28218	0.34166	0.16985	
38	6.0000	7.50721E+05	73000.	12.000	29.428
	14.065	19.952	11.736	9.2910	2.8862
	137.74	86.323	8.3299	2.1851	2.8179
	3.8817	0.32696	0.25391	0.14900	
39	6.0000	7.50721E+05	73200.	12.000	36.983
	23.780	25.239	7.6556	8.9785	6.5481
	58.608	80.614	42.877	2.2516	2.4882
	3.5564	0.34387	0.48196	0.30372	
40	6.0000	7.50721E+05	73400.	12.000	50.510
	43.290	38.684	12.375	13.206	5.4813
	153.15	174.41	29.174	1.5355	1.7991
	3.2815	0.28256	0.43152	0.30685	
41	6.0000	7.50721E+05	73600.	12.000	62.130
	51.495	43.600	6.9345	5.8946	3.4121
	48.087	34.746	11.643	1.8123	1.9508
	2.7160	0.26259	0.20395	0.15995	
42	6.0000	7.50721E+05	73800.	12.000	56.149
	44.693	47.523	7.9462	6.0325	5.9885
	63.142	36.391	35.862	1.6295	1.7782
	2.7572	0.22848	0.18697	0.29375	

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120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
50	6.0000	7.50721E+05	75400.	12.000	97.260
	82.749	71.467	15.344	8.4558	8.4041
	235.45	71.581	70.629	1.5929	2.0176
	2.9469	0.30848	0.24706	0.52961	
51	6.0000	7.50721E+05	75600.	12.000	82.742
	68.946	65.638	6.2197	7.3595	5.8284
	38.685	54.162	33.970	1.8754	1.9882
	2.6327	0.31227	0.33984	0.32201	
52	6.0000	7.50721E+05	75800.	12.000	64.404
	45.210	51.129	8.5631	10.434	8.0837
	73.327	108.86	65.346	1.2754	1.3636
	2.2543	0.17300	0.24868	0.33382	
53	6.0000	7.50721E+05	80000.	12.000	50.837
	46.999	50.158	8.1708	13.570	6.7842
	66.762	184.15	46.025	1.3408	1.6548
	2.4046	0.18535	0.39543	0.29088	
54	6.0000	7.50721E+05	80200.	12.000	55.423
	45.249	52.658	11.046	10.743	6.1548
	122.81	115.42	37.871	1.4427	1.6875
	2.4620	0.24647	0.31545	0.26267	
55	6.0000	7.50721E+05	80400.	12.000	37.646
	38.973	48.238	8.9848	12.138	7.4338
	80.726	147.34	55.261	1.4889	1.4998
	2.6200	0.26738	0.29602	0.33187	
56	6.0000	7.50721E+05	80600.	12.000	30.734
	23.572	27.615	10.568	11.993	8.9558
	111.52	143.83	80.206	1.9942	1.9979
	2.4322	0.25402	0.32985	0.42221	

1975 EOCR TESTS 4-13

120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
57	6.0000	7.50721E+05	80800.	12.000	21.336
	13.237	22.413	6.5936	10.793	9.9647
	43.476	116.50	99.296	1.6419	1.9233
	2.5354	0.28087	0.18847	0.27111	
58	6.0000	7.50721E+05	81000.	12.000	18.947
	9.7023	14.500	7.8874	12.903	13.020
	62.211	166.49	169.53	1.6182	1.6875
	2.1270	0.32349	0.25087	0.30595	
59	6.0000	7.50721E+05	81200.	12.000	22.113
	9.5523	10.628	5.5639	9.1708	10.412
	30.957	84.184	108.42	2.1681	2.1584
	2.2346	0.37662	0.33693	0.21858	
60	6.0000	7.50721E+05	81400.	12.000	26.733
	17.235	21.433	10.803	6.7451	8.0860
	116.78	45.496	65.397	2.0545	2.1317
	2.2243	0.48687	0.26582	0.27411	
61	6.0000	7.50721E+05	81600.	12.000	20.268
	18.338	13.915	10.753	15.573	11.812
	115.62	242.52	121.26	1.9544	2.1274
	2.4477	0.48461	0.42584	0.19552	
62	6.0000	7.50721E+05	81800.	12.000	19.535
	13.139	12.663	17.341	9.7495	8.8598
	300.72	95.052	78.496	2.2086	2.4838
	2.6717	0.33332	0.25093	0.27618	
63	6.0000	7.50721E+05	82000.	12.000	35.919
	17.452	18.878	13.367	14.159	14.353
	178.68	208.48	206.81	1.9611	2.2437
	2.5532	0.35868	0.40158	0.37235	

1975 EOCR TESTS 4-13

120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
71	7.0000	7.50722E+05	71250.	10.000	259.28
	253.99	63.883	3.7957	3.6628	23.451
	14.407	13.416	549.97	1.2999	1.3711
	0.36974	7.43601E-02	0.10382	0.23357	
72	7.0000	7.50722E+05	71750.	10.000	257.72
	264.06	310.88	5.9169	4.2069	8.2092
	35.009	17.698	67.391	1.3215	1.2031
	0.80269	0.17919	7.72681E-02	0.12897	
73	7.0000	7.50722E+05	72250.	12.000	302.93
	273.91	199.81	231.88	148.98	72.851
	53480.	22196.	5307.3	29456.	95058.
	77254.	1.71177E+05	2.22267E+05	1.65367E+05	
74	7.0000	7.50722E+05	72410.	9.0000	279.84
	291.51	338.78	4.4561	5.4989	11.729
	19.857	30.238	137.57	1.3547	1.3339
	0.89707	5.85525E-02	7.49048E-02	0.14994	
75	8.0000	7.50724E+05	45000.	12.000	333.26
	317.65	11.756	12.758	9.7369	7.2477
	162.78	94.888	52.529	0.88142	1.5138
	2.2597	0.18168	0.25666	0.21078	
76	8.0000	7.50724E+05	45200.	12.000	5.2026
	335.80	15.929	8.9453	9.2146	9.1960
	80.819	84.989	84.567	0.83767	1.2722
	1.8511	6.51382E-02	0.15760	0.20428	
77	8.0000	7.50724E+05	45400.	12.000	5.4793
	335.73	9.9489	12.489	9.5207	3.4667
	153.99	90.643	12.018	0.95623	1.3041
	2.0487	0.13819	0.21187	0.18336	

1975 EOCR TESTS 4-13

120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
64	6.0000	7.50721E+05	82200.	12.000	34.397
	19.925	21.473	11.271	11.194	9.9899
	127.84	125.30	98.205	1.8168	2.0838
	2.3384	0.35883	0.35174	0.41875	
65	6.0000	7.50721E+05	82220.	3.0000	19.086
	21.154	23.380	7.5362	2.7855	11.045
	56.795	7.7590	121.99	1.8341	1.9688
	2.5121	0.22004	0.17170	0.21913	
66	7.0000	7.50722E+05	65610.	11.000	330.65
	45.435	248.13	114.82	204.48	92.922
	13184.	41780.	8634.5	32652.	0.72374
	36637.	86293.	2.5577	1.06001E+05	
67	7.0000	7.50722E+05	65930.	10.000	147.58
	153.94	110.54	4.3246	6.2898	3.3023
	18.782	39.561	10.905	1.0866	1.2516
	1.6277	8.77790E-02	9.90702E-02	9.79257E-02	
68	7.0000	7.50722E+05	70250.	12.000	117.81
	93.545	110.45	134.46	66.582	145.28
	18079.	4433.1	21108.	23356.	54772.
	46208.	87658.	1.38437E+05	1.38107E+05	
69	7.0000	7.50722E+05	70610.	11.000	100.39
	249.53	322.32	1.8387	88.065	130.01
	3.3810	7755.4	16903.	46262.	54442.
	45250.	1.53425E+05	1.60004E+05	1.09460E+05	
70	7.0000	7.50722E+05	70930.	11.000	321.28
	199.30	227.87	131.15	83.832	142.43
	17202.	7027.8	20287.	60564.	4007.6
	15.597	1.45353E+05	11927.	39.128	

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120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
78	8.0000	7.50724E+05	45600.	12.000	348.80
	323.49	4.3365	9.6249	6.1298	4.4210
	92.638	37.575	19.545	0.93494	1.3875
	1.9261	6.66731E-02	0.13764	0.12252	
79	8.0000	7.50724E+05	45800.	12.000	314.15
	297.18	330.86	15.612	17.886	12.288
	243.73	319.89	151.00	0.80790	0.97991
	1.4750	0.21556	0.23703	0.26213	
80	8.0000	7.50724E+05	50000.	13.000	250.62
	239.78	314.12	7.8432	12.694	6.3943
	61.516	161.14	40.887	1.6327	1.5971
	1.4579	0.40387	0.23952	0.16363	
81	8.0000	7.50724E+05	50200.	12.000	241.41
	252.94	311.05	8.2340	5.3229	8.7893
	67.799	28.334	77.252	0.69667	0.84276
	1.6396	0.16503	9.36149E-02	0.24833	
82	8.0000	7.50724E+05	50400.	12.000	247.97
	269.28	312.63	14.178	9.8189	12.156
	200.78	96.253	147.77	0.62844	1.1166
	2.1664	0.54996E-02	0.18989	0.46736	
83	8.0000	7.50724E+05	50430.	4.0000	258.14
	255.78	323.42	13.649	7.7288	14.899
	186.29	59.611	198.77	0.55772	1.5651
	2.0884	5.96811E-02	0.40869	0.38548	
84	9.0000	7.50728E+05	60501.	58.000	351.34
	19.373	63.243	17.873	8.7817	19.900
	319.43	77.118	396.81	1.0310	1.3561
	1.2686	0.71369	0.53219	0.23134	

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120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
85	9.0000	7.50728E+05	60701.	60.000	321.62
	347.25	12.079	14.782	11.243	13.291
	218.50	126.41	176.65	2.3413	2.4935
	1.7583	0.69188	0.39795	0.37799	
86	9.0000	7.50728E+05	60902.	31.000	301.77
	337.58	349.47	9.2722	7.0029	6.0366
	85.974	49.041	36.441	2.2290	2.6574
	2.2219	0.29122	0.45364	0.27430	
87	9.0000	7.50728E+05	61102.	59.000	322.00
	345.19	5.1545	9.8756	5.5090	6.1919
	97.527	30.349	38.339	1.6149	2.0737
	2.2668	0.32813	0.62893	0.15263	
88	9.0000	7.50728E+05	61302.	60.000	245.83
	314.83	8.6230	26.598	14.852	11.726
	707.04	220.57	137.50	0.59792	1.3847
	2.6127	0.25418	0.36044	0.17187	
89	9.0000	7.50728E+05	61502.	60.000	3.4693
	4.0446	27.748	18.694	5.2800	3.6854
	349.47	27.878	13.582	0.48856	1.8263
	2.8128	0.51875	0.24812	0.20189	
90	9.0000	7.50728E+05	61702.	60.000	333.73
	351.69	22.051	8.3539	8.1698	3.6551
	69.788	66.745	13.360	1.5956	2.4538
	2.3802	0.18943	0.24138	0.31645	
91	9.0000	7.50728E+05	61902.	60.000	313.79
	336.81	15.209	7.5148	4.0052	3.0960
	56.472	16.042	9.5854	1.4697	2.2970
	3.2472	0.19229	0.25087	8.8822BE-02	

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120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
99	9.0000	7.50728E+05	63502.	60.000	1.7617
	20.140	29.040	5.5786	4.1677	0.58861
	31.121	17.370	0.34646	2.3960	3.6016
	4.3846	0.18284	0.15390	4.61943E-02	
100	9.0000	7.50728E+05	63702.	60.000	7.8029
	38.651	30.647	6.5207	3.6830	2.5224
	42.520	13.564	6.3627	2.2189	3.5501
	4.6076	0.14403	0.17374	0.19482	
101	9.0000	7.50728E+05	63902.	60.000	24.779
	41.590	35.663	6.2368	4.7577	1.4618
	38.897	22.636	2.1368	2.4388	3.8533
	5.4437	0.18089	0.29236	0.16781	
102	9.0000	7.50728E+05	64102.	60.000	31.617
	47.049	38.032	7.2966	3.5153	1.4743
	53.241	12.357	2.1737	2.3407	3.9955
	4.9268	0.34243	0.24392	0.13285	
103	9.0000	7.50728E+05	64302.	60.000	8.7981
	28.852	35.203	19.614	16.565	6.9813
	384.69	274.41	48.738	2.1252	3.1574
	4.7766	0.20553	0.51786	0.49389	
104	9.0000	7.50728E+05	64502.	60.000	35.641
	46.943	39.085	6.4149	2.9759	1.6504
	41.151	8.8560	2.7237	2.8684	4.3296
	5.0892	0.35681	0.22840	0.14330	
105	9.0000	7.50728E+05	64702.	60.000	25.851
	42.186	34.587	11.183	7.8026	1.7895
	123.28	60.881	3.2022	2.4892	3.6218
	5.7856	0.31391	0.45803	0.24177	

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120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
92	9.0000	7.50728E+05	62102.	60.000	354.78
	359.82	25.758	23.625	9.5538	4.5377
	558.14	91.276	20.591	0.71786	2.0198
	3.3313	0.12612	0.23476	0.18798	
93	9.0000	7.50728E+05	62302.	60.000	345.67
	357.34	18.472	5.4613	5.2388	8.6234
	29.826	27.445	74.363	1.4551	2.4058
	3.3734	0.18563	0.29163	0.24043	
94	9.0000	7.50728E+05	62502.	60.000	322.01
	358.97	24.596	10.662	10.022	4.8962
	113.69	100.43	23.973	1.3655	2.4350
	3.2998	0.25157	0.30909	0.13665	
95	9.0000	7.50728E+05	62702.	60.000	342.86
	2.4063	21.321	8.8202	9.1498	2.8357
	77.795	83.718	8.0412	2.0437	3.1992
	3.5098	0.42389	0.30852	0.12560	
96	9.0000	7.50728E+05	62902.	60.000	353.27
	9.1616	25.467	6.6152	2.5089	2.5466
	43.761	6.2947	6.4851	2.0459	3.3555
	3.9297	0.29335	0.11368	0.18917	
97	9.0000	7.50728E+05	63102.	60.000	357.35
	12.497	28.624	5.7442	3.4803	1.4228
	32.996	12.113	2.0245	2.8594	3.4137
	4.1196	0.18059	9.36467E-02	7.74567E-02	
98	9.0000	7.50728E+05	63302.	60.000	356.58
	16.981	27.557	4.9122	3.1872	1.6344
	24.130	10.158	2.6713	2.4142	3.4522
	4.0481	0.20546	9.58183E-02	0.11016	

1975 EOCR TESTS 4-13

120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
106	9.0000	7.50728E+05	64903.	60.000	2.8537
	25.179	31.663	7.4527	4.8813	2.3388
	55.543	23.827	5.4788	2.0668	2.9218
	5.6719	0.22746	0.17326	0.17574	
107	9.0000	7.50728E+05	65103.	60.000	352.75
	15.882	34.630	11.074	8.3287	2.9527
	122.64	69.367	8.7185	1.6994	2.6746
	4.9041	0.19068	0.16188	0.21182	
108	9.0000	7.50728E+05	65303.	60.000	17.574
	38.367	32.874	10.077	7.8281	1.5819
	101.55	61.279	2.5023	1.9528	3.3535
	5.4138	0.27068	0.39134	0.15944	
109	9.0000	7.50728E+05	65503.	60.000	1.8156
	21.857	34.321	17.670	14.218	5.6145
	312.24	281.92	31.522	1.9579	2.7374
	4.7241	0.35742	0.45618	0.37634	
110	9.0000	7.50728E+05	65703.	58.000	20.846
	37.900	34.495	8.6056	4.3780	3.3752
	74.057	19.167	11.392	2.2897	3.6359
	5.5283	0.24187	0.24038	0.31657	
111	9.0000	7.50728E+05	65904.	60.000	30.044
	42.664	37.078	6.8670	3.5568	1.2235
	47.155	12.651	1.4969	2.6138	4.0155
	5.9482	0.29711	0.24869	0.13916	
112	9.0000	7.50728E+05	70104.	60.000	33.712
	44.752	38.186	5.4502	3.8765	1.8538
	29.785	15.028	1.1104	2.3937	3.5498
	5.6562	0.24249	0.24058	0.18118	

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120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
113	9.0000	7.50728E+05	70308.	59.000	35.390
	48.129	41.495	7.6719	5.4472	0.94039
	50.857	29.672	0.88434	2.5557	3.4272
	5.7070	0.35816	0.32863	9.90685E-02	
114	10.000	7.50731E+05	1.12636E+05	41.000	141.37
	146.22	138.60	61.019	84.989	17.313
	3723.3	7223.1	299.74	0.66301	1.4330
	3.1729	0.73356	2.3094	1.0303	
115	10.000	7.50731E+05	1.12837E+05	57.000	174.30
	161.79	176.60	14.301	11.096	7.0384
	204.52	123.13	49.539	2.7484	3.0114
	3.0727	0.90653	0.55895	0.52778	
116	10.000	7.50731E+05	1.13038E+05	54.000	177.98
	174.81	176.10	23.553	9.8218	13.938
	554.75	96.468	194.28	1.4803	1.9653
	2.2146	0.70828	0.52435	0.78191	
117	10.000	7.50731E+05	1.13239E+05	44.000	153.30
	147.85	164.62	61.834	24.591	12.685
	3823.5	604.78	160.90	0.75566	2.9346
	3.6459	1.1284	1.4303	0.60817	
118	10.000	7.50731E+05	1.13639E+05	40.000	164.88
	149.22	168.74	32.572	7.7054	6.5970
	1061.0	59.374	43.520	9.82274E-02	3.8618
	4.2333	0.16569	0.40307	0.29586	
119	10.000	7.50731E+05	1.13839E+05	40.000	157.76
	160.13	175.10	34.317	13.918	13.471
	1177.7	193.71	181.45	1.5190	3.0789
	3.2854	1.2928	0.85460	0.80623	

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120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
127	10.000	7.50731E+05	1.15439E+05	40.000	186.71
	184.92	192.24	29.338	8.7097	12.329
	860.74	75.858	152.01	0.73133	2.5716
	3.1941	0.69191	0.54339	0.54870	
128	10.000	7.50731E+05	1.15639E+05	40.000	192.82
	190.26	207.66	27.493	5.0844	12.717
	755.86	25.851	161.73	0.30023	3.9079
	3.9369	0.45129	1.0125	0.74598	
129	10.000	7.50731E+05	1.15839E+05	40.000	211.73
	193.67	222.49	66.161	5.6452	8.3130
	4377.3	31.868	69.106	0.27292	4.3866
	4.0187	0.35618	0.77452	0.66383	
130	10.000	7.50731E+05	1.20039E+05	40.000	244.31
	211.71	247.48	43.808	12.399	11.181
	1919.1	153.72	125.01	1.5207	5.8118
	4.8932	1.8986	0.86536	0.68198	
131	10.000	7.50731E+05	1.20241E+05	41.000	268.02
	234.31	259.84	44.708	14.857	11.983
	1998.8	220.73	143.59	0.25209	2.7647
	3.1428	0.36585	0.84323	0.56724	
132	10.000	7.50731E+05	1.20441E+05	40.000	184.10
	191.62	203.40	25.178	14.719	19.305
	633.91	216.64	372.70	0.27023	3.7527
	4.3239	0.35899	1.4817	1.7884	
133	10.000	7.50731E+05	1.20641E+05	40.000	208.69
	188.13	208.50	73.072	4.8335	7.4976
	5339.5	23.363	56.214	0.32724	5.1060
	5.6032	0.55966	0.55650	0.52187	

1975 EOCR TESTS 4-13

120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
120	10.000	7.50731E+05	1.14039E+05	40.000	188.54
	173.14	196.22	26.840	11.648	12.316
	678.06	135.68	151.68	0.31585	4.2275
	4.3834	0.77137	0.31000	0.42249	
121	10.000	7.50731E+05	1.14239E+05	40.000	203.57
	184.56	187.26	36.298	7.3103	9.9489
	1317.6	53.448	98.982	1.4604	3.6244
	3.9898	1.2789	0.50708	0.54288	
122	10.000	7.50731E+05	1.14439E+05	40.000	168.28
	163.18	178.82	39.624	6.7491	6.9886
	1570.1	45.550	48.840	0.36511	4.0559
	4.3448	0.71469	0.61956	0.60388	
123	10.000	7.50731E+05	1.14639E+05	40.000	184.41
	169.60	176.44	13.865	5.8041	7.4713
	192.24	33.687	55.820	0.97116	2.3537
	2.3551	0.79645	0.58296	0.54429	
124	10.000	7.50731E+05	1.14839E+05	40.000	141.89
	152.50	167.54	60.075	41.896	13.307
	3609.0	1755.3	177.09	0.34101	2.6109
	4.2149	0.35946	1.9026	0.75917	
125	10.000	7.50731E+05	1.15039E+05	40.000	192.76
	174.00	202.51	28.375	11.856	11.417
	805.15	140.57	130.35	0.21836	3.2851
	3.3076	0.29651	0.80034	0.78631	
126	10.000	7.50731E+05	1.15239E+05	40.000	212.50
	215.39	235.81	58.350	13.767	14.305
	3404.8	190.07	204.64	0.11911	1.7227
	1.7527	0.17450	0.45606	0.34885	

1975 EOCR TESTS 4-13

120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
134	10.000	7.50731E+05	1.20702E+05	8.0000	187.39
	184.83	217.80	3.3318	0.57159	7.3267
	11.096	0.32672	53.681	7.36570E-02	4.9223
	5.0509	1.30607E-02	0.38115	0.55776	
135	11.000	7.50812E+05	1.11125E+05	60.000	81.529
	82.950	87.277	12.040	9.0101	11.686
	144.96	81.181	136.57	2.6071	2.5770
	2.7826	0.75836	0.60663	0.29326	
136	11.000	7.50812E+05	1.11325E+05	60.000	130.21
	129.45	112.90	11.477	18.567	33.873
	131.73	344.75	1147.4	1.6261	1.4128
	1.3816	0.32303	0.39608	0.82182	
137	11.000	7.50812E+05	1.11526E+05	60.000	98.987
	102.69	160.24	8.2099	25.446	37.007
	67.386	647.49	1369.5	0.65784	0.39730
	0.55370	0.36276	0.38745	0.40499	
138	11.000	7.50812E+05	1.11726E+05	60.000	42.801
	15.228	201.25	92.012	57.650	13.174
	8466.1	3323.6	173.55	0.31774	0.42671
	0.80449	0.51119	0.76441	0.36539	
139	11.000	7.50812E+05	1.11926E+05	60.000	11.866
	32.268	17.533	30.387	22.206	28.217
	1473.5	493.11	796.17	1.3476	1.5115
	0.98807	0.51862	0.60327	0.67490	
140	11.000	7.50812E+05	1.12126E+05	60.000	5.4548
	25.845	45.306	62.443	43.857	29.867
	3899.1	1923.4	844.92	0.69953	0.77951
	1.1206	0.41493	0.57048	0.57329	

1975 EOCR TESTS 4-13

120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST	DATE	TIME	NUM PTS	4M DIR
	10M DIR	30M DIR	4M DSD	10M DSD	30M DSD
	4M DVAR	10M DVAR	30M DVAR	4M SPD	10M SPD
	30M SPD	4M SSD	10M SSD	30M SSD	
141	11.000	7.50812E+05	1.12326E+05	60.000	73.456
	72.064	70.349	13.166	13.447	8.5705
	173.34	180.83	73.454	2.2269	2.4382
	2.8021	0.81058	0.65768	0.52131	
142	11.000	7.50812E+05	1.12526E+05	60.000	45.266
	48.516	41.251	31.646	25.795	20.401
	1001.5	665.36	416.18	1.3764	1.4032
	1.6810	0.76434	0.67291	0.53150	
143	11.000	7.50812E+05	1.12726E+05	60.000	341.88
	359.06	28.997	47.601	36.669	26.642
	2265.9	1344.6	789.81	0.89477	1.1144
	1.6116	0.71033	0.65862	0.71630	
144	11.000	7.50812E+05	1.12927E+05	60.000	103.53
	108.81	108.13	18.658	14.543	18.348
	348.14	211.50	336.65	2.4666	2.4223
	2.1389	0.54621	0.81573	0.45960	
145	11.000	7.50812E+05	1.13127E+05	60.000	146.24
	137.29	112.84	28.862	25.921	14.279
	833.02	671.89	203.90	1.2501	1.2395
	0.92388	0.53539	0.52461	0.46708	
146	11.000	7.50812E+05	1.13327E+05	60.000	228.02
	227.77	175.45	22.152	19.145	32.296
	490.70	366.53	1043.0	1.0576	0.96286
	0.59921	0.41740	0.32536	0.30249	
147	11.000	7.50812E+05	1.13502E+05	46.000	180.94
	293.23	230.42	44.235	84.477	13.003
	1956.7	7136.3	171.16	0.32695	0.23378
	0.83188	0.59993E-02	0.25335	0.19232	
148	12.000	7.50813E+05	74401.	66.000	26.956
	30.020	49.350	7.9166	7.2536	4.7080
	62.673	52.615	22.165	1.2380	1.2083
	2.1739	0.17380	0.16093	0.17769	

1975 EOCR TESTS 4-13

120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST	DATE	TIME	NUM PTS	4M DIR
	10M DIR	30M DIR	4M DSD	10M DSD	30M DSD
	4M DVAR	10M DVAR	30M DVAR	4M SPD	10M SPD
	30M SPD	4M SSD	10M SSD	30M SSD	
156	12.000	7.50813E+05	80004.	68.000	51.429
	52.441	44.362	10.199	9.4705	8.1028
	104.02	89.842	65.655	1.9241	2.2138
	3.5221	0.35344	0.35638	0.49970	
157	12.000	7.50813E+05	80205.	70.000	41.986
	44.865	44.380	8.4369	8.0290	7.3311
	71.182	64.464	53.745	2.2043	2.3860
	3.5007	0.31266	0.33421	0.44696	
158	12.000	7.50813E+05	80405.	69.000	39.763
	44.100	41.009	7.9167	7.2808	5.5666
	62.674	53.010	30.987	2.9460	3.1167
	4.2190	0.39529	0.39474	0.43615	
159	12.000	7.50813E+05	80605.	70.000	36.568
	38.811	34.703	8.4888	8.2390	7.2245
	72.060	67.881	52.193	2.5428	2.9068
	4.1424	0.40670	0.42319	0.53679	
160	12.000	7.50813E+05	80805.	70.000	34.648
	35.196	36.417	8.5806	8.2987	6.8001
	73.627	68.869	46.241	2.9572	3.1490
	4.5818	0.41460	0.43481	0.59665	
161	12.000	7.50813E+05	81006.	71.000	39.655
	41.011	37.140	7.3386	5.1067	4.4695
	53.855	26.078	19.976	3.6534	4.0373
	4.9197	0.50011	0.36420	0.35705	
162	12.000	7.50813E+05	81200.	68.000	41.864
	40.070	36.370	9.5036	8.1426	5.0874
	90.319	66.302	25.882	3.6322	3.9175
	5.2465	0.61064	0.58232	0.48696	

1975 EOCR TESTS 4-13

120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST	DATE	TIME	NUM PTS	4M DIR
	10M DIR	30M DIR	4M DSD	10M DSD	30M DSD
	4M DVAR	10M DVAR	30M DVAR	4M SPD	10M SPD
	30M SPD	4M SSD	10M SSD	30M SSD	
149	12.000	7.50813E+05	74601.	69.000	27.235
	29.643	44.127	6.4425	8.8638	4.5432
	41.506	78.568	20.641	1.4180	1.3321
	2.1784	0.18356	0.15928	0.17398	
150	12.000	7.50813E+05	74801.	70.000	22.108
	29.774	44.752	10.964	10.152	5.9040
	120.22	103.05	34.857	1.6538	1.6503
	2.7643	0.24265	0.26377	0.28452	
151	12.000	7.50813E+05	75001.	70.000	41.156
	40.881	45.024	5.0022	5.7507	4.0240
	25.022	33.071	16.192	2.0791	2.0715
	3.0443	0.17870	0.20708	0.21385	
152	12.000	7.50813E+05	75202.	69.000	38.530
	42.632	42.941	4.3465	3.8507	3.4157
	18.892	14.828	11.667	2.5059	2.5050
	3.0945	0.18615	0.16719	0.18490	
153	12.000	7.50813E+05	75403.	69.000	45.201
	51.854	46.851	8.2605	6.1147	5.8772
	68.237	37.389	34.541	2.0928	2.2229
	3.1661	0.30134	0.21805	0.32134	
154	12.000	7.50813E+05	75604.	69.000	56.267
	53.296	48.202	7.3092	6.2425	7.9847
	53.424	38.968	63.755	1.8398	1.8671
	3.2134	0.23987	0.20259	0.45425	
155	12.000	7.50813E+05	75804.	68.000	53.376
	50.429	49.623	7.2795	9.1602	5.3194
	52.991	83.910	28.296	1.8600	1.9375
	3.4821	0.21215	0.31731	0.32092	

1975 EOCR TESTS 4-13

120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST	DATE	TIME	NUM PTS	4M DIR
	10M DIR	30M DIR	4M DSD	10M DSD	30M DSD
	4M DVAR	10M DVAR	30M DVAR	4M SPD	10M SPD
	30M SPD	4M SSD	10M SSD	30M SSD	
163	13.000	7.50814E+05	1.11900E+05	70.000	53.068
	59.729	55.645	14.458	10.767	11.792
	209.02	115.93	139.85	3.4204	3.6855
	3.5279	0.82831	0.69604	0.57063	
164	13.000	7.50814E+05	1.12101E+05	70.000	40.045
	49.959	53.621	17.615	14.529	10.391
	310.30	211.09	107.98	2.2973	2.3409
	2.4470	0.63215	0.65016	0.51236	
165	13.000	7.50814E+05	1.12302E+05	69.000	14.702
	20.760	23.482	29.883	33.623	16.150
	893.81	1130.5	260.83	1.1627	1.2921
	1.6659	0.29265	0.50835	0.40913	
166	13.000	7.50814E+05	1.12503E+05	69.000	66.496
	71.903	69.950	36.384	33.836	28.109
	1323.8	1144.9	798.11	1.5715	1.8927
	2.2897	0.99179	0.81577	0.77353	
167	13.000	7.50814E+05	1.12704E+05	69.000	95.227
	100.14	83.196	31.360	25.855	24.748
	983.43	668.47	612.48	1.3710	1.7694
	1.8943	0.44787	0.43588	0.46423	
168	13.000	7.50814E+05	1.12905E+05	70.000	55.785
	61.269	51.786	17.659	20.376	24.253
	311.84	415.19	588.22	1.6572	1.6952
	1.9700	0.46113	0.56337	0.09020	
169	13.000	7.50814E+05	1.13105E+05	70.000	96.211
	97.218	85.729	11.487	10.142	8.4520
	138.13	102.87	71.436	2.3296	2.4253
	2.6465	0.40364	0.49469	0.35572	

1975 EOCR TESTS 4-13

120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
170	13.000 60.460 626.91 2.5330	7.50814E+05 59.051 596.45 0.51980	1.13305E+05 25.038 235.98 0.56284	69.000 24.422 1.8695 0.48369	61.769 15.362 2.0958
171	13.000 45.927 286.55 2.3745	7.50814E+05 35.398 290.39 0.62430	1.13506E+05 16.928 131.76 0.63278	68.000 17.041 2.1318 0.53478	45.904 11.478 2.1657
172	13.000 34.149 2371.0 1.6460	7.50814E+05 6.0459 2077.5 0.83388	1.13706E+05 48.693 1809.2 0.71593	57.000 45.579 0.97931 0.55340	45.172 31.768 1.1189
173	13.000 9.4787 2892.3 2.1861	7.50814E+05 1.7236 1762.9 0.76713	1.13907E+05 53.788 1336.2 0.77629	70.000 41.987 1.0746 0.76531	5.4811 36.555 1.5267
174	13.000 16.949 222.88 3.1927	7.50814E+05 11.811 91.557 0.47526	1.14108E+05 14.929 29.468 0.56635	70.000 9.5685 3.0496 0.48393	15.756 5.4284 3.1274
175	13.000 25.287 156.82 2.2382	7.50814E+05 16.698 220.23 0.63298	1.14308E+05 12.491 140.57 0.67122	70.000 14.840 2.1017 0.37952	25.599 11.856 2.0584
176	13.000 356.81 916.38 1.8657	7.50814E+05 1.1518 354.67 0.51547	1.14508E+05 38.272 339.57 0.39573	69.000 18.833 1.3828 0.60891	358.05 18.427 1.6109

1975 EOCR TESTS 4-13

120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
177	13.000 337.22 1269.9 1.4739	7.50814E+05 352.87 1048.5 0.45137	1.14708E+05 35.636 471.61 0.52015	70.000 32.380 0.81700 0.56433	327.53 21.717 0.95642
178	13.000 350.20 771.21 1.9879	7.50814E+05 354.53 940.18 0.36844	1.14908E+05 27.771 940.65 0.56593	68.000 30.662 1.5367 0.59134	345.39 30.670 1.6206
179	13.000 46.728 336.81 2.7211	7.50814E+05 47.670 346.19 0.83194	1.15109E+05 18.353 286.34 0.85335	69.000 18.606 2.5882 0.83192	44.355 16.922 2.6137
180	13.000 41.433 830.36 1.8266	7.50814E+05 7.2446 726.01 0.80279	1.15310E+05 28.816 1150.7 0.72021	70.000 26.944 1.7957 0.58925	39.184 33.922 1.6972
181	13.000 39.460 19763. 0.81804	7.50814E+05 4.8729 23354. 0.62039	1.15511E+05 140.58 7588.9 0.80154	71.000 152.82 0.47238 0.68205	338.81 87.115 0.33191
182	13.000 50.016 528.06 1.9968	7.50814E+05 24.188 559.91 0.60568	1.15712E+05 22.980 208.88 0.67481	71.000 23.662 1.4697 0.69557	49.918 14.425 1.6969
183	13.000 339.08 3708.8 1.3618	7.50814E+05 338.19 1478.4 0.72139	1.15912E+05 60.834 409.89 0.61416	69.000 38.458 0.73948 0.42148	330.82 28.226 1.8092

1975 EOCR TESTS 4-13

120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
184	13.000 343.60 320.92 1.3615	7.50814E+05 349.34 281.23 0.48064	1.28112E+05 17.914 612.83 0.42820	69.000 16.770 1.4290 0.31291	329.53 24.739 1.5339
185	13.000 336.41 1817.1 1.4239	7.50814E+05 340.75 1171.1 0.53233	1.28312E+05 42.628 768.17 0.43476	69.000 34.221 0.92484 0.42831	331.24 27.716 1.0886
186	13.000 357.28 323.98 2.3168	7.50814E+05 357.27 249.40 0.84777	1.28512E+05 17.999 275.86 0.72048	70.000 15.792 2.1913 0.63913	352.82 16.609 2.3337
187	13.000 6.3143 187.95 1.9633	7.50814E+05 0.71756 120.36 0.63033	1.28712E+05 13.710 84.927 0.62789	71.000 10.971 1.9892 0.38799	3.9469 9.2156 2.1653
188	13.000 7.2447 1811.7 1.9244	7.50814E+05 356.61 970.85 0.69143	1.28912E+05 31.807 518.28 0.69582	70.000 31.158 1.5441 0.41826	9.4505 22.766 1.6618
189	13.000 340.42 250.87 1.7384	7.50814E+05 342.05 181.25 0.71946	1.21113E+05 15.839 385.67 0.59224	71.000 13.463 1.7729 0.44108	332.42 19.639 1.7145
190	13.000 334.80 1396.2 1.9858	7.50814E+05 334.81 739.84 0.95855	1.21314E+05 37.366 127.31 0.72428	69.000 27.185 1.2264 0.37352	324.85 11.283 1.2260

1975 EOCR TESTS 4-13

120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
191	13.000 4.2414 3856.8 1.2688	7.50814E+05 15.966 2270.7 0.76975	1.21514E+05 62.183 739.14 0.78386	68.000 47.652 0.76123 0.45356	336.53 27.187 0.89667
192	13.000 48.740 176.37 1.8957	7.50814E+05 14.429 192.92 0.48675	1.21708E+05 13.281 288.86 0.52711	62.000 13.890 2.1711 0.48216	37.892 16.759 2.1873

EOCR TESTS 14-24 (1976)

120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
1	14.000	7.60506E+05	72058.	44.000	46.066
	46.419	48.004	9.2550	7.2010	5.0270
	85.656	51.857	25.268	6.9130	8.5230
	10.486	1.1210	1.0780	0.93200	
2	14.000	7.60506E+05	72259.	44.000	42.922
	45.857	46.666	9.9250	8.8660	7.2790
	98.500	78.604	52.984	6.5320	8.0320
	10.232	1.1350	1.2450	1.2880	
3	14.000	7.60506E+05	72459.	44.000	42.312
	44.806	47.524	7.8240	5.8090	5.6840
	61.219	33.741	32.304	8.6310	10.139
	11.699	1.1970	1.0290	1.1670	
4	14.000	7.60506E+05	72701.	45.000	43.801
	46.285	45.392	7.6310	7.8960	6.5170
	58.236	62.342	42.466	6.8038	8.1930
	10.033	0.91800	1.1180	1.1370	
5	14.000	7.60506E+05	72901.	44.000	46.072
	42.735	46.159	7.5800	6.0000	4.8450
	57.464	36.095	23.472	6.6750	8.1820
	9.5300	0.87400	0.86100	0.80000	
6	14.000	7.60506E+05	73101.	44.000	49.156
	45.405	44.287	8.6710	5.8590	5.3490
	75.193	34.330	28.614	7.1530	8.7520
	10.634	1.0510	0.89500	0.98900	
7	14.000	7.60506E+05	73303.	44.000	44.950
	44.087	44.100	6.6410	5.9810	5.4030
	44.097	35.771	29.190	6.9780	8.0060
	9.9640	0.80900	0.82900	0.93700	

EOCR TESTS 14-24 (1976)

120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
15	14.000	7.60506E+05	74918.	45.000	47.415
	47.146	48.071	8.0160	7.3760	5.2250
	64.250	54.403	27.384	5.2660	6.2980
	7.6518	0.73300	0.81900	0.72100	
16	14.000	7.60506E+05	75111.	45.000	46.932
	49.685	49.671	9.2570	7.7870	5.7180
	85.698	60.633	32.691	7.0100	8.2600
	10.020	1.1290	1.1110	1.0630	
17	14.000	7.60506E+05	75312.	45.000	51.684
	51.804	49.861	9.2938	7.5090	5.2140
	86.364	56.398	27.189	6.7220	8.2710
	9.6550	1.0640	1.0260	0.90900	
18	14.000	7.60506E+05	75513.	45.000	49.748
	47.167	48.935	7.7210	7.1620	5.6360
	59.607	51.301	31.766	6.7930	7.9410
	9.6000	0.93100	0.99600	0.88100	
19	14.000	7.60506E+05	75714.	45.000	51.572
	51.296	52.649	8.9360	7.0360	5.9640
	79.850	49.507	35.567	6.4760	7.7620
	9.4438	1.0010	0.95300	0.97300	
20	14.000	7.60506E+05	75915.	45.000	50.648
	47.801	50.034	8.7280	8.3440	6.7970
	76.172	69.622	46.205	6.0340	6.8630
	8.9730	0.96700	0.97700	1.0350	
21	14.000	7.60506E+05	80115.	45.000	49.900
	49.048	48.381	8.7730	6.2350	4.8370
	76.972	38.881	23.401	6.1360	7.3960
	9.3170	0.99700	0.85500	0.82000	

EOCR TESTS 14-24 (1976)

120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
8	14.000	7.60506E+05	73503.	44.000	45.607
	44.251	46.511	8.6950	8.0860	7.1120
	75.602	65.379	50.574	6.1510	7.7610
	9.8960	0.93200	1.0970	1.2390	
9	14.000	7.60506E+05	73704.	44.000	45.805
	46.542	46.397	8.4300	6.9400	6.2690
	71.068	48.158	39.306	6.8690	7.9820
	9.9710	1.0150	0.98300	1.1040	
10	14.000	7.60506E+05	73906.	45.000	45.635
	45.757	45.133	7.7930	6.6410	4.9800
	60.729	44.101	24.804	6.4840	7.5650
	9.0910	0.88000	0.87600	0.79000	
11	14.000	7.60506E+05	74106.	44.000	45.567
	45.313	47.566	9.9089	7.6590	5.7910
	98.165	58.662	33.536	5.7160	6.9910
	9.8750	0.98600	0.93200	0.92400	
12	14.000	7.60506E+05	74308.	45.000	48.434
	45.700	44.585	7.0210	6.5940	5.1750
	49.288	43.480	26.781	6.2820	7.5460
	9.5760	0.80600	0.87500	0.86400	
13	14.000	7.60506E+05	74508.	44.000	44.709
	45.216	45.562	8.3440	8.1630	7.2470
	69.621	66.637	52.521	6.4570	7.6020
	9.4440	0.94000	1.0830	1.2000	
14	14.000	7.60506E+05	74708.	44.000	45.364
	45.993	46.213	8.9330	6.8250	6.4120
	79.803	36.298	41.117	6.6500	7.7960
	9.0200	1.0360	0.82800	1.0110	

EOCR TESTS 14-24 (1976)

120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
22	14.000	7.60506E+05	80316.	45.000	45.042
	47.019	49.769	8.3810	6.2460	4.3680
	70.240	39.013	19.075	6.4120	7.4740
	9.3260	0.93800	0.81500	0.73400	
23	14.000	7.60506E+05	80517.	45.000	46.387
	45.652	49.254	7.5380	5.8170	4.3750
	56.821	33.842	19.142	6.2990	7.5630
	8.9150	0.81800	0.76600	0.67100	
24	14.000	7.60506E+05	80719.	45.000	47.010
	46.334	47.793	7.2250	6.6360	5.2730
	52.198	44.034	27.807	5.8990	6.9830
	8.2360	0.74100	0.81300	0.76400	
25	14.000	7.60506E+05	80920.	45.000	45.289
	44.913	47.032	7.6090	5.1940	4.9570
	57.895	26.974	24.568	7.0220	8.4210
	9.7750	0.93200	0.76300	0.84100	
26	14.000	7.60506E+05	81121.	45.000	42.115
	41.114	45.628	9.5690	9.1470	7.5670
	91.564	83.668	57.255	5.9400	7.0850
	8.7710	0.99500	1.1610	1.1600	
27	14.000	7.60506E+05	81321.	45.000	47.780
	48.124	49.355	8.3660	7.2880	5.2820
	69.997	53.115	27.895	5.4940	6.6750
	7.9800	0.81900	0.85900	0.74300	
28	14.000	7.60506E+05	81418.	21.000	46.519
	48.761	50.768	7.0270	7.1980	7.6290
	49.384	51.813	58.209	5.4820	6.6800
	7.9490	0.67700	0.84100	1.1220	

EOCR TESTS 14-24 (1976)

120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
29	15.000	7.60512E+05	71957.	45.000	18.609
	28.389	48.804	30.957	27.950	14.028
	958.35	781.18	196.79	0.59900	1.0178
	2.9260	0.21400	0.39300	0.72800	
30	15.000	7.60512E+05	72158.	45.000	38.260
	37.458	36.242	20.423	17.472	8.8750
	417.08	305.27	78.773	1.9850	4.1110
	6.2380	0.76400	1.3720	1.0000	
31	15.000	7.60512E+05	72359.	45.000	33.086
	32.938	33.009	9.6870	6.7360	5.2370
	93.845	45.379	27.431	2.0230	4.7160
	6.4920	0.33700	0.55000	0.58100	
32	15.000	7.60512E+05	72601.	45.000	32.426
	36.424	38.667	10.022	8.6670	8.0620
	100.44	75.109	64.995	1.7760	3.8960
	5.0950	0.31400	0.56000	0.69000	
33	15.000	7.60512E+05	72802.	45.000	37.616
	36.075	38.322	8.6740	8.2990	7.2230
	75.237	68.877	52.169	1.6610	3.6480
	5.8610	0.22900	0.53200	0.61900	
34	15.000	7.60512E+05	73002.	45.000	36.709
	38.149	37.513	13.134	10.422	7.0280
	172.51	108.62	49.394	1.9210	4.1760
	5.8910	0.39400	0.68100	0.61800	
35	15.000	7.60512E+05	73203.	45.000	35.018
	38.176	37.457	11.018	9.9090	9.7340
	121.40	98.182	94.747	2.0220	4.3580
	4.6840	0.43100	0.81900	0.81900	

EOCR TESTS 14-24 (1976)

120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
43	15.000	7.60512E+05	74810.	45.000	32.452
	35.761	32.612	9.1850	7.3070	5.6540
	84.370	53.396	31.972	2.1550	4.3290
	4.7250	0.42600	0.59100	0.51300	
44	15.000	7.60512E+05	75010.	45.000	30.639
	27.667	29.332	13.141	10.329	6.6900
	172.68	106.68	44.754	1.8290	4.1690
	4.9360	0.38900	0.70100	0.69000	
45	15.000	7.60512E+05	75212.	45.000	22.066
	26.226	24.410	9.1420	7.2830	5.7220
	83.567	53.045	32.738	2.4170	4.9200
	5.7750	0.36500	0.60200	0.62400	
46	15.000	7.60512E+05	75414.	45.000	24.901
	26.612	25.811	11.046	9.7790	7.5370
	122.01	95.629	56.805	2.1240	4.4350
	5.2150	0.36000	0.64200	0.67700	
47	15.000	7.60512E+05	75615.	45.000	19.072
	19.413	18.063	8.6280	5.7180	3.7300
	74.437	32.692	13.913	2.0160	5.4270
	5.9570	0.45500	0.55200	0.62600	
48	15.000	7.60512E+05	75816.	45.000	13.632
	13.049	9.4490	10.386	8.3810	5.8950
	107.08	78.236	25.961	2.2810	4.7210
	5.5410	0.50100	0.62500	0.47200	
49	15.000	7.60512E+05	80017.	45.000	5.7830
	10.152	9.9190	11.846	7.8630	7.5240
	140.34	61.828	56.615	1.9380	4.0280
	4.6160	0.29700	0.76900	0.64700	

EOCR TESTS 14-24 (1976)

120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
36	15.000	7.60512E+05	73404.	45.000	40.377
	38.771	38.106	13.309	12.785	8.8800
	177.14	163.47	78.853	1.8560	3.9510
	4.9530	0.43300	0.90400	0.76500	
37	15.000	7.60512E+05	73604.	45.000	28.864
	31.343	39.423	9.5150	5.8760	6.4810
	98.532	34.523	42.002	2.0040	4.1780
	4.4410	0.27400	0.50800	0.52700	
38	15.000	7.60512E+05	73806.	45.000	27.294
	31.072	34.177	8.7750	6.3050	4.0870
	77.804	39.755	16.787	2.1780	4.6730
	5.5320	0.30100	0.45000	0.40800	
39	15.000	7.60512E+05	74006.	45.000	29.905
	34.067	35.902	6.9350	5.3260	6.6730
	48.098	28.364	44.531	2.3910	4.8450
	5.0850	0.31400	0.42400	0.67800	
40	15.000	7.60512E+05	74207.	45.000	32.121
	31.582	34.533	8.2890	5.9660	5.8630
	68.781	35.590	34.369	2.3420	4.8170
	5.1040	0.31400	0.49000	0.59600	
41	15.000	7.60512E+05	74408.	45.000	32.511
	35.906	36.933	8.6120	7.2040	5.2250
	74.159	51.891	27.305	2.4760	4.8230
	5.5440	0.37200	0.54000	0.54100	
42	15.000	7.60512E+05	74610.	45.000	30.429
	38.165	38.181	10.068	6.5430	5.8420
	101.36	42.804	25.418	1.9870	4.4420
	5.0570	0.37100	0.51200	0.56800	

EOCR TESTS 14-24 (1976)

120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
50	15.000	7.60512E+05	80218.	45.000	9.7980
	9.0240	2.9370	11.096	8.7800	5.5420
	123.13	77.087	30.709	2.2450	4.9160
	5.4300	0.48500	0.56500	0.45400	
51	15.000	7.60512E+05	80420.	45.000	0.12500
	1.7420	2.1770	11.050	7.9410	6.0810
	123.00	63.852	36.975	2.2050	4.6700
	5.5240	0.64200	0.94500	0.72800	
52	15.000	7.60512E+05	80621.	45.000	10.919
	9.5190	358.27	9.4400	6.6590	7.4470
	89.118	44.347	55.457	2.2040	4.8700
	5.2750	0.46600	0.63600	0.84500	
53	15.000	7.60512E+05	80821.	45.000	353.94
	352.20	346.35	17.383	11.835	9.9380
	302.18	140.06	98.760	1.5090	3.5460
	3.4980	0.30300	0.67700	0.63100	
54	15.000	7.60512E+05	81021.	45.000	329.02
	332.94	333.31	10.646	8.7000	5.9310
	113.34	77.229	35.172	1.4600	3.1410
	2.5980	0.22300	0.45300	0.25800	
55	15.000	7.60512E+05	81221.	45.000	343.02
	341.86	345.22	13.003	11.789	11.677
	169.07	138.97	136.34	1.4300	3.0470
	3.0480	0.32000	0.50500	0.63000	
56	15.000	7.60512E+05	81421.	45.000	343.84
	346.47	350.12	9.6630	6.7550	5.9130
	93.380	45.631	34.962	1.6620	3.7830
	4.0950	0.31800	0.51500	0.50000	

EOCR TESTS 14-24 (1976)

120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
57	15.000	7.60512E+05	81621.	45.000	350.40
	352.58	354.25	8.9810	7.0270	6.6670
	79.224	49.385	44.451	1.9120	4.1650
	4.2730	0.41200	0.47700	0.49300	
58	15.000	7.60512E+05	81802.	38.000	354.30
	357.24	1.3690	8.3450	6.4090	6.0700
	69.643	41.072	36.840	1.9510	4.1870
	4.4370	0.26400	0.38100	0.29200	
59	16.000	7.60518E+05	71758.	46.000	328.84
	328.08	341.81	10.116	10.352	11.113
	182.33	107.17	123.49	1.8630	1.9760
	1.9500	0.32700	0.38100	0.29400	
60	16.000	7.60518E+05	71959.	47.000	326.10
	328.50	340.75	8.3820	9.0230	9.3960
	78.255	81.408	88.291	2.3170	2.4680
	2.6140	0.30200	0.36700	0.66200	
61	16.000	7.60518E+05	72159.	47.000	352.01
	350.02	356.54	9.0620	9.1860	8.1310
	82.128	84.384	66.119	2.3790	2.5320
	3.0140	0.43400	0.39700	0.33600	
62	16.000	7.60518E+05	72400.	47.000	5.2460
	11.034	20.691	14.176	13.238	12.027
	200.97	175.23	144.64	2.3410	2.5090
	2.8780	0.26000	0.31100	0.43300	
63	16.000	7.60518E+05	72601.	47.000	39.079
	35.724	44.814	12.566	8.5780	6.0620
	157.91	73.586	36.753	2.3170	2.4480
	3.1460	0.46900	0.32500	0.33300	

EOCR TESTS 14-24 (1976)

120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
71	16.000	7.60518E+05	74206.	47.000	33.995
	34.382	39.318	16.717	13.431	11.368
	279.45	180.40	129.23	2.9640	3.1210
	3.4650	0.90000	0.81300	0.72700	
72	16.000	7.60518E+05	74406.	47.000	40.451
	38.876	33.658	10.709	8.5810	7.9620
	114.67	73.631	63.388	2.9500	3.0170
	3.2380	0.53000	0.43900	0.42100	
73	16.000	7.60518E+05	74607.	47.000	36.286
	35.033	38.231	10.410	8.5530	7.4090
	108.37	73.151	54.898	3.1250	3.3620
	3.8720	0.54000	0.44900	0.45300	
74	16.000	7.60518E+05	74807.	47.000	33.934
	34.814	33.972	8.7120	7.4620	5.6760
	75.907	55.676	32.220	3.5680	4.0070
	4.3030	0.60800	0.58900	0.45100	
75	16.000	7.60518E+05	75007.	47.000	28.656
	28.178	33.358	8.5690	6.0930	4.8150
	73.426	37.125	23.180	3.7870	4.1330
	4.4170	0.51800	0.39500	0.40800	
76	16.000	7.60518E+05	75207.	47.000	31.529
	32.636	35.812	9.7890	9.2090	6.0930
	95.820	84.802	47.509	3.3390	3.6640
	4.0000	0.59600	0.59700	0.50400	
77	16.000	7.60518E+05	75408.	47.000	45.619
	43.959	42.800	9.9430	8.3710	6.3330
	98.860	70.067	40.101	3.6670	3.9040
	4.3030	0.64100	0.55700	0.48900	

EOCR TESTS 14-24 (1976)

120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
64	16.000	7.60518E+05	72801.	47.000	30.471
	32.763	44.042	9.9030	7.4380	7.3430
	98.062	55.317	53.923	2.6090	2.7460
	3.0800	0.41400	0.36700	0.40000	
65	16.000	7.60518E+05	73002.	47.000	21.855
	25.731	32.014	16.925	13.208	12.888
	286.47	174.46	166.10	1.9850	2.1120
	2.3760	0.49400	0.38800	0.42400	
66	16.000	7.60518E+05	73202.	47.000	11.081
	11.310	19.715	12.010	10.827	10.188
	144.23	117.22	330.79	1.8970	1.9230
	2.2270	0.23700	0.20200	0.38600	
67	16.000	7.60518E+05	73403.	47.000	4.4140
	3.9750	18.562	18.795	19.065	18.384
	353.26	363.47	337.98	1.7880	1.8200
	2.4010	0.32400	0.17500	0.30300	
68	16.000	7.60518E+05	73603.	47.000	23.377
	27.057	27.166	19.594	16.463	14.190
	383.93	271.03	201.35	1.9890	2.3380
	2.6270	0.59000	0.57200	0.38300	
69	16.000	7.60518E+05	73803.	47.000	35.340
	28.083	26.382	8.9120	7.5240	10.301
	79.426	56.609	106.10	2.6970	2.6400
	2.9080	0.43300	0.32700	0.40000	
70	16.000	7.60518E+05	74005.	46.000	36.146
	37.273	42.420	15.270	13.708	11.859
	233.18	187.90	140.64	2.2190	2.3720
	2.7060	0.56200	0.58100	0.57100	

EOCR TESTS 14-24 (1976)

120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
78	16.000	7.60518E+05	75609.	47.000	26.647
	30.537	33.919	11.579	8.8440	4.7890
	134.08	78.214	22.934	3.6800	3.9700
	4.3390	0.68400	0.57200	0.35700	
79	16.000	7.60518E+05	75809.	47.000	29.390
	29.720	35.344	7.9880	5.4660	4.8970
	63.812	29.882	23.982	3.9260	4.1320
	4.3620	0.47400	0.39400	0.37000	
80	16.000	7.60518E+05	80010.	47.000	28.461
	28.577	32.226	7.8990	4.8600	3.8900
	62.396	23.619	15.129	4.1840	4.7220
	5.2640	0.52200	0.41800	0.32400	
81	16.000	7.60510E+05	80210.	47.000	19.730
	23.161	30.651	8.2170	6.3970	4.3800
	67.525	40.916	19.185	4.3770	4.8310
	4.9960	0.58000	0.46200	0.36400	
82	16.000	7.60518E+05	80410.	47.000	22.023
	22.400	28.821	9.3600	9.1540	6.2070
	87.764	83.799	38.523	3.5660	4.0690
	4.6880	0.69700	0.62400	0.60500	
83	16.000	7.60510E+05	80610.	47.000	22.377
	22.406	23.861	9.8940	8.8760	7.4020
	97.897	78.778	54.792	3.9910	4.2670
	4.5720	0.50700	0.49200	0.37900	
84	16.000	7.60518E+05	80811.	47.000	11.764
	12.047	18.628	6.3750	4.7310	3.3860
	40.646	22.360	11.464	4.0880	4.3860
	4.6620	0.35400	0.28600	0.29300	

EOCR TESTS 14-24 (1976)

120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
85	16.000 24.512 66.501 4.3430	7.60518E+05 28.616 47.039 0.36300	81011. 8.1550 26.954 0.30500	47.000 6.8500 3.6900 0.33600	24.351 5.1920 4.0030
86	16.000 34.514 62.566 4.4900	7.60518E+05 32.742 57.390 0.58100	81211. 7.9100 43.371 0.52900	47.000 7.5760 4.8120 0.50400	35.875 6.5860 4.3100
87	16.000 33.731 2.2730 4.9330	7.60518E+05 36.863 6.0260 0.23600	81216. 1.5080 3.2560 0.18900	2.0000 2.4550 4.5750 0.12500	26.400 1.8040 4.4500
88	17.000 12.280 10.517 4.4120	7.60521E+05 36.368 8.0640 8.10000E-02	55259. 3.2430 2.1200 7.20000E-02	47.000 2.8400 2.0570 0.12900	4.5680 1.4560 2.5900
89	17.000 8.0990 4.2360 4.5210	7.60521E+05 34.484 12.101 0.18100	55500. 2.0580 3.5020 6.89999E-02	47.000 3.4790 2.2670 0.11700	355.31 1.8710 2.6560
90	17.000 13.749 17.496 4.4510	7.60521E+05 38.411 12.837 0.19900	55701. 4.1830 5.7630 0.19100	47.000 3.4690 1.9620 0.21600	1.8990 2.4810 2.4650
91	17.000 30.379 159.57 3.2170	7.60521E+05 53.258 68.878 0.35000	55901. 12.632 123.11 0.37200	46.000 8.2510 0.98900 0.47200	22.969 11.096 1.6140

EOCR TESTS 14-24 (1976)

120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
99	17.000 329.43 11.917 2.2590	7.60521E+05 12.071 31.784 9.19999E-02	61507. 3.4520 7.5530 0.16800	46.000 5.6310 1.5370 0.27100	314.25 2.7480 1.7250
100	17.000 329.01 3.5640 2.4950	7.60521E+05 8.8660 55.127 5.30000E-02	61708. 1.8880 2.2820 0.20100	47.000 7.4250 1.5600 0.13000	313.13 1.5110 1.6820
101	17.000 329.73 41.141 2.0740	7.60521E+05 12.394 141.12 0.14900	61909. 6.4140 8.0600 0.27400	44.000 11.879 1.3770 0.13000	316.63 2.8390 1.4110
102	17.000 342.74 6.9760 2.0640	7.60521E+05 13.007 8.8340 5.10000E-02	62110. 2.6410 13.914 0.15600	45.000 2.9720 1.0420 8.00000E-02	321.94 3.7300 1.1860
103	17.000 346.59 55.142 1.9580	7.60521E+05 7.5590 12.756 8.60000E-02	62310. 7.4260 2.3060 0.19700	45.000 3.5720 0.62100 7.20000E-02	322.42 1.5180 1.1680
104	17.000 328.03 2143.8 1.3570	7.60521E+05 4.7410 244.27 0.13200	62511. 46.301 2.7140 0.22300	44.000 15.629 0.33000 0.33800	286.51 1.6470 0.52900
105	17.000 329.93 98.640 1.2110	7.60521E+05 6.4130 304.12 0.13600	62712. 9.9320 4.7690 0.21100	46.000 17.439 0.44300 0.30900	193.47 2.1840 0.43900

EOCR TESTS 14-24 (1976)

120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
92	17.000 82.061 300.81 2.2090	7.60521E+05 73.213 708.05 0.20100	60102. 17.321 15.886 0.23800	47.000 26.609 1.0000 0.33700	107.59 3.9860 1.0620
93	17.000 93.190 114.01 2.2440	7.60521E+05 60.922 325.87 0.31300	60303. 10.670 19.900 0.21700	45.000 18.052 1.3050 0.22500	98.649 4.4610 1.1920
94	17.000 108.33 48.582 2.3820	7.60521E+05 83.921 69.987 0.38100	60503. 6.9700 223.34 0.43400	47.000 8.3660 2.2520 0.13800	111.03 14.945 2.6230
95	17.000 93.379 254.11 1.7510	7.60521E+05 67.320 161.49 0.35000	60704. 15.941 236.03 0.56900	46.000 12.708 0.98200 0.41700	111.53 15.363 1.5980
96	17.000 25.355 307.15 1.5110	7.60521E+05 28.252 114.74 1.00000E-02	60905. 17.526 47.941 0.15900	46.000 10.712 0.34800 0.14900	90.684 6.9240 0.76600
97	17.000 37.083 217.77 2.0290	7.60521E+05 47.262 28.753 0.18500	61105. 14.757 28.205 9.30000E-02	46.000 5.3620 0.75100 0.18700	51.917 5.3110 1.1330
98	17.000 351.24 1023.6 1.7470	7.60521E+05 33.959 297.66 0.18700	61306. 31.994 99.548 0.10600	46.000 17.253 0.83700 0.23700	339.62 9.9770 1.1050

EOCR TESTS 14-24 (1976)

120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
106	17.000 339.83 60.376 2.1410	7.60521E+05 6.8780 9.4900 0.14400	62912. 7.7700 5.4420 0.11700	46.000 3.0810 1.0680 0.24300	304.68 2.3330 1.0880
107	17.000 332.78 23.130 2.5320	7.60521E+05 5.9900 116.47 0.12200	63114. 4.8090 8.5790 0.22600	46.000 10.792 1.3290 6.20000E-02	311.34 2.9290 1.3800
108	17.000 326.34 84.296 2.2470	7.60521E+05 9.4510 30.469 0.13000	63313. 9.1810 12.299 0.16200	46.000 5.5200 1.2830 0.15000	292.81 3.5070 1.5160
109	17.000 314.81 7.6810 1.9390	7.60521E+05 357.51 11.838 7.70000E-02	63513. 2.7720 10.288 7.60000E-02	47.000 3.3220 1.0970 0.10100	277.70 3.2070 1.3010
110	17.000 321.16 26.756 2.3900	7.60521E+05 5.5270 43.466 0.13100	63715. 5.1730 31.064 0.20400	46.000 6.5930 1.1050 0.11100	287.24 5.5740 1.5950
111	17.000 347.28 412.11 2.7920	7.60521E+05 21.509 31.646 0.15600	63915. 28.300 7.9410 0.34700	46.000 5.6250 0.44000 7.79999E-02	314.89 2.8180 1.5550
112	17.000 349.32 27.238 2.9540	7.60521E+05 21.198 11.190 0.12500	64117. 5.2190 11.020 0.20300	47.000 3.3450 0.85800 0.16700	342.92 3.3200 2.1730

EOCR TESTS 14-24 (1976)

120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
113	17.000 344.21 35.501 3.3400	7.60521E+05 13.377 15.393 9.00000E-02	64318. 5.9580 12.302 0.32600	47.000 3.9230 1.1370 0.13200	330.56 3.5070 2.1020
114	17.000 331.95 75.568 3.2600	7.60521E+05 9.8050 24.853 0.18900	64518. 8.6930 6.6760 0.13900	47.000 4.9850 1.2710 0.18100	320.18 2.5840 1.7970
115	17.000 339.53 74.297 2.9920	7.60521E+05 16.407 56.962 0.12800	64648. 8.6200 1.3240 0.10900	35.000 7.5470 0.87300 8.70000E-02	334.32 1.1510 1.4340
116	18.000 48.156 49.357 6.2470	7.60623E+05 38.340 44.990 0.42300	53700. 7.0250 42.738 0.54000	46.000 6.7870 3.6890 0.75500	54.071 6.5370 4.7310
117	18.000 42.074 84.782 6.0060	7.60623E+05 36.088 39.748 0.68700	53902. 9.2080 32.347 0.60400	47.000 6.3050 4.3060 0.63000	46.013 5.6870 5.3070
118	18.000 43.089 58.020 7.0100	7.60623E+05 38.453 45.459 0.56800	54102. 7.6170 30.080 0.60300	46.000 6.7420 4.1910 0.63200	42.173 5.4850 5.0190
119	18.000 49.546 76.629 5.7670	7.60623E+05 46.174 37.627 0.57500	54302. 8.7540 25.662 0.49200	46.000 6.1340 3.7930 0.50900	49.151 5.0660 4.5090

EOCR TESTS 14-24 (1976)

120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
127	18.000 48.029 84.766 7.6120	7.60623E+05 39.853 49.751 0.62300	55910. 9.2070 28.709 0.62500	46.000 7.0530 4.1650 0.74600	51.297 5.3580 5.1940
128	18.000 42.398 82.065 8.1870	7.60623E+05 37.834 47.309 0.74400	60110. 9.0590 14.670 0.68800	47.000 6.8700 4.7560 0.56800	45.845 3.8300 5.5940
129	18.000 42.703 48.999 7.9540	7.60623E+05 36.872 38.657 0.58600	60311. 7.0000 13.440 0.63000	47.000 6.2170 4.8070 0.55600	45.776 3.6660 5.7580
130	18.000 38.739 66.832 7.3410	7.60623E+05 36.545 34.694 0.66200	60511. 8.1750 22.190 0.57300	47.000 5.8900 4.4410 0.60900	39.867 4.7110 5.2630
131	18.000 39.015 41.486 8.0550	7.60623E+05 33.173 34.342 0.59200	60711. 6.4410 11.619 0.65000	47.000 5.8600 5.2810 0.58500	40.285 3.4090 6.2240
132	18.000 42.358 82.457 7.1230	7.60623E+05 37.679 33.953 0.68100	60912. 9.0810 15.622 0.53900	47.000 5.8270 4.2470 0.51800	42.916 3.9520 5.2540
133	18.000 44.490 59.106 6.6130	7.60623E+05 36.209 43.628 0.52500	61114. 7.6880 31.847 0.56800	47.000 6.6050 3.9270 0.68600	46.156 5.6430 4.9110

EOCR TESTS 14-24 (1976)

120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
120	18.000 50.321 59.623 5.8870	7.60623E+05 46.655 27.035 0.41100	54503. 7.7220 16.569 0.34500	46.000 5.2000 3.1410 0.41200	49.360 4.0710 3.9930
121	18.000 50.449 81.756 6.2650	7.60623E+05 42.994 34.344 0.58700	54705. 9.0420 21.631 0.47400	46.000 5.8600 3.6010 0.52300	53.781 4.6510 4.5100
122	18.000 52.275 55.442 5.7530	7.60623E+05 47.369 33.011 0.39500	54906. 7.4460 30.600 0.39200	46.000 5.7460 3.0560 0.56700	51.557 5.5320 3.8580
123	18.000 50.647 49.251 5.6560	7.60623E+05 44.195 31.789 0.38700	55107. 7.0180 19.881 0.37700	46.000 5.6380 3.1330 0.44400	52.103 4.4590 4.0010
124	18.000 49.633 64.541 5.7520	7.60623E+05 45.367 32.738 0.40800	55308. 8.0340 14.482 0.38000	46.000 5.7220 3.1300 0.38100	51.411 3.8050 3.9360
125	18.000 45.842 41.582 5.7380	7.60623E+05 44.346 20.591 0.34900	55508. 6.4480 17.721 0.32400	46.000 4.5380 3.1640 0.42300	48.989 4.2100 4.0850
126	18.000 47.691 57.981 6.2280	7.60623E+05 46.829 35.844 0.43500	55709. 7.6150 17.905 0.41200	46.000 5.9870 3.3720 0.45700	47.522 4.2310 4.0600

EOCR TESTS 14-24 (1976)

120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
134	18.000 39.411 68.683 7.6490	7.60623E+05 35.144 34.635 0.64500	61315. 8.2880 11.286 0.56100	47.000 5.8850 4.4170 0.47500	43.898 3.3590 5.4460
135	18.000 35.746 80.271 8.3760	7.60623E+05 29.845 60.015 0.74600	61516. 8.9590 30.744 0.89600	47.000 7.7470 4.8570 1.0510	36.156 5.5450 5.9120
136	18.000 28.261 96.169 7.2190	7.60623E+05 26.197 68.320 0.69400	61716. 9.8070 18.982 0.71400	47.000 8.2660 4.7360 0.61800	31.311 4.3570 5.5870
137	18.000 24.619 54.835 7.5320	7.60623E+05 20.313 42.937 0.79100	61917. 7.4050 33.526 0.94700	47.000 6.5530 4.6840 1.1320	24.730 5.7900 5.5580
138	18.000 16.955 119.70 5.8750	7.60623E+05 16.525 70.353 1.0280	62118. 10.941 39.392 1.2040	47.000 8.3880 4.2000 1.2700	17.647 6.2760 5.0130
139	18.000 23.701 76.931 5.9370	7.60623E+05 19.607 79.897 0.46100	62319. 8.7710 48.213 0.51700	47.000 8.9390 2.9930 0.94500	23.141 6.9440 3.8420
140	18.000 30.650 86.664 7.3900	7.60623E+05 25.053 37.756 0.67000	62520. 9.3090 15.037 0.64600	47.000 6.1450 4.8940 0.48000	34.080 3.8780 5.1170

EOCR TESTS 14-24 (1976)

120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
141	18.000	7.60623E+05	62721.	47.000	27.939
	25.189	17.266	12.199	10.578	7.6540
	148.80	111.89	58.583	5.1570	6.1770
	8.0120	0.98300	0.98300	0.98100	
142	18.000	7.60623E+05	62923.	48.000	18.271
	16.962	15.293	10.385	7.5770	5.6680
	107.85	57.418	32.129	4.6160	5.4840
	7.4500	0.93100	1.0750	1.1020	
143	18.000	7.60623E+05	63124.	47.000	18.660
	16.526	10.506	8.8210	5.9640	5.1270
	77.806	35.568	26.285	4.1000	5.0740
	6.4690	0.55100	0.47500	0.68000	
144	18.000	7.60623E+05	63325.	47.000	14.274
	14.240	9.9370	8.4150	6.6630	5.6090
	70.812	44.395	31.459	3.6890	4.3800
	6.1520	0.53700	0.40700	0.57000	
145	18.000	7.60623E+05	63432.	26.000	9.0520
	10.348	5.3580	9.7260	6.8980	3.3730
	94.596	47.576	11.375	4.1140	5.1100
	7.7600	0.71000	0.83900	0.69900	
146	19.000	7.60629E+05	43059.	47.000	19.133
	18.625	26.874	9.4550	6.4700	2.0750
	89.402	41.858	4.3080	1.5940	4.1780
	7.0440	0.25100	0.45200	0.18300	
147	19.000	7.60629E+05	43301.	47.000	14.404
	16.213	26.375	7.3720	5.2560	2.8970
	54.345	27.625	8.3950	1.3040	3.4200
	6.4560	0.16600	0.31100	0.22700	

EOCR TESTS 14-24 (1976)

120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
155	19.000	7.60629E+05	44909.	45.000	45.379
	65.507	59.157	3.3830	5.8860	3.7460
	11.445	34.646	14.031	0.84300	1.8360
	4.7790	5.00000E-02	0.17200	0.32900	
156	19.000	7.60629E+05	45111.	46.000	27.040
	63.595	59.576	11.065	6.5750	5.7130
	122.44	43.226	32.637	0.76300	1.5220
	4.0380	0.11500	0.22500	0.44000	
157	19.000	7.60629E+05	45313.	47.000	3.1150
	46.640	59.570	5.3900	7.5240	4.7170
	29.048	56.607	22.246	0.93600	1.2690
	3.4210	6.60000E-02	0.16700	0.30600	
158	19.000	7.60629E+05	45512.	46.000	10.530
	41.307	56.921	8.8600	9.5250	5.0330
	78.492	90.720	25.333	0.93000	1.5560
	3.5080	7.60000E-02	0.23400	0.33800	
159	19.000	7.60629E+05	45713.	47.000	355.43
	27.983	52.910	17.451	20.720	5.4740
	304.53	429.30	29.967	1.0150	1.7110
	3.5410	0.13800	0.41100	0.39300	
160	19.000	7.60629E+05	45914.	47.000	339.09
	350.92	48.577	4.0780	7.6140	6.2610
	16.632	57.969	39.195	1.1210	2.3700
	3.1790	0.13500	0.23000	0.34000	
161	19.000	7.60629E+05	50114.	47.000	346.66
	6.2690	44.084	4.4620	8.3430	7.7340
	19.909	69.609	59.822	1.3560	2.3590
	3.7550	0.10000	0.17200	0.50400	

EOCR TESTS 14-24 (1976)

120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
148	19.000	7.60629E+05	43502.	47.000	18.802
	21.171	30.870	8.6550	7.0590	2.1560
	74.903	49.826	4.6470	1.2110	3.0370
	6.2100	0.14900	0.28600	0.27200	
149	19.000	7.60629E+05	43702.	47.000	26.771
	27.376	34.141	7.5760	5.1000	3.0830
	57.393	26.917	9.5050	1.0270	2.5590
	5.5400	0.12300	0.29000	0.26900	
150	19.000	7.60629E+05	43903.	47.000	22.619
	25.657	35.691	11.342	8.6050	5.8890
	128.63	74.854	34.684	1.0120	2.4560
	5.2800	0.16900	0.32400	0.45200	
151	19.000	7.60629E+05	44105.	47.000	17.218
	19.104	37.865	9.8010	7.0520	4.6170
	96.068	49.725	21.312	0.79500	1.9390
	4.4950	0.16100	0.31700	0.38900	
152	19.000	7.60629E+05	44305.	45.000	47.310
	38.768	52.530	9.9150	6.1330	4.1400
	98.298	37.616	17.141	0.66800	1.5920
	4.3920	0.11600	0.18000	0.31100	
153	19.000	7.60629E+05	44507.	46.000	35.186
	41.991	56.260	7.8450	6.0140	3.7650
	61.551	36.171	14.175	0.73200	1.6690
	4.5320	9.90000E-02	0.17300	0.29300	
154	19.000	7.60629E+05	44709.	46.000	26.120
	45.762	56.314	6.1290	7.8730	3.9700
	37.568	61.985	15.759	0.87000	1.7390
	4.5120	6.70000E-02	0.24100	0.34900	

EOCR TESTS 14-24 (1976)

120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
162	19.000	7.60629E+05	50315.	47.000	337.06
	355.40	26.279	8.5080	9.8420	9.8810
	72.393	96.864	97.625	1.2610	2.9660
	4.2630	0.22400	0.26100	0.47800	
163	19.000	7.60629E+05	50515.	47.000	344.38
	357.08	18.699	6.2530	6.2890	7.6030
	39.095	39.548	57.809	1.4510	4.0220
	4.7800	0.24500	0.31100	0.54500	
164	19.000	7.60629E+05	50716.	47.000	344.13
	353.53	16.744	8.2560	4.2980	4.7700
	68.167	18.474	22.750	1.3360	3.7980
	4.6850	0.17500	0.35100	0.25600	
165	19.000	7.60629E+05	50917.	47.000	356.76
	355.44	19.894	7.2160	5.9460	5.6140
	52.068	35.356	31.515	1.2280	3.4350
	4.5310	8.10000E-02	0.17000	0.33500	
166	19.000	7.60629E+05	51117.	47.000	2.4140
	7.4790	33.162	8.9920	6.7710	5.6820
	80.853	45.841	32.282	1.0780	3.1560
	4.4200	9.40000E-02	0.15600	0.37200	
167	19.000	7.60629E+05	51318.	46.000	30.792
	23.949	36.892	12.268	6.7580	4.3790
	150.51	45.675	19.179	0.87800	2.4880
	4.3820	0.16100	0.31300	0.30500	
168	19.000	7.60629E+05	51519.	46.000	34.273
	24.423	35.766	5.7910	4.2290	3.5710
	33.531	17.887	12.751	0.92000	2.3200
	4.2150	8.70000E-02	0.16500	0.22900	

EOCR TESTS 14-24 (1976)

120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
169	19.000	7.60629E+05	51720.	46.000	24.760
	19.798	35.711	3.7170	3.8160	2.9960
	13.814	14.559	8.9740	0.98000	2.5410
	4.2360	4.70000E-02	0.11200	0.21200	
170	19.000	7.60629E+05	51920.	47.000	21.333
	21.195	40.679	3.6500	3.0250	2.8520
	13.324	9.1490	8.1330	0.99500	2.4030
	4.0090	3.80000E-02	9.90000E-02	0.19400	
171	19.000	7.60629E+05	52120.	47.000	12.334
	14.625	34.121	5.3810	3.0700	2.3490
	28.955	9.4730	5.5180	1.0330	2.4670
	3.8740	6.50000E-02	0.15100	0.17300	
172	19.000	7.60629E+05	52321.	47.000	1.7960
	5.6750	30.545	4.5100	4.2390	3.5060
	28.339	17.966	12.289	1.1870	2.7260
	4.1640	5.20000E-02	0.11200	0.25500	
173	19.000	7.60629E+05	52521.	47.000	351.66
	358.64	28.219	4.0920	4.2100	4.0870
	16.743	17.723	16.706	1.2730	3.0800
	4.3960	9.40000E-02	0.18000	0.29900	
174	19.000	7.60629E+05	52537.	6.0000	355.53
	3.6600	30.635	4.1630	4.6380	2.2190
	17.331	21.512	4.9240	1.2730	3.0440
	4.4790	2.30000E-02	5.50000E-02	0.12500	
175	20.000	7.60630E+05	44559.	47.000	46.936
	45.163	47.256	6.1970	5.3670	1.7500
	38.403	28.888	3.0640	1.7860	4.1230
	6.4480	0.19600	0.38600	0.19000	

EOCR TESTS 14-24 (1976)

120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
183	20.000	7.60630E+05	50208.	46.000	53.683
	53.391	51.742	8.4050	4.9400	1.1320
	71.995	24.406	1.2810	1.0400	4.3420
	7.2640	0.27060	0.35500	0.15600	
184	20.000	7.60630E+05	50409.	46.000	51.948
	54.874	51.277	6.4500	5.5130	1.2700
	41.601	30.396	1.6140	2.8670	4.8020
	7.7020	0.22400	0.40700	0.17000	
185	20.000	7.60630E+05	50610.	46.000	55.321
	53.018	52.930	8.2690	6.8340	2.7280
	68.375	46.700	7.4440	2.3050	5.0880
	7.9810	0.30500	0.52200	0.33900	
186	20.000	7.60630E+05	50810.	46.000	63.252
	61.753	57.977	8.4530	6.4190	3.6870
	71.445	41.198	13.598	1.9730	4.6140
	7.0920	0.26100	0.44700	0.38000	
187	20.000	7.60630E+05	51011.	46.000	54.749
	58.213	53.625	7.2170	7.7030	3.2210
	52.080	59.344	10.373	1.9780	4.2520
	6.8290	0.25000	0.55400	0.40300	
188	20.000	7.60630E+05	51212.	47.000	44.688
	45.172	47.865	9.5150	5.8450	3.9390
	90.534	34.162	15.516	2.0918	4.7370
	6.7350	0.34700	0.48400	0.46500	
189	20.000	7.60630E+05	51413.	47.000	38.022
	39.294	43.690	6.9800	5.6970	4.3360
	48.724	32.460	18.804	1.8150	4.2580
	6.2560	0.21800	0.41400	0.47500	

EOCR TESTS 14-24 (1976)

120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
176	20.000	7.60630E+05	44881.	47.000	41.588
	42.956	47.901	5.1920	4.0310	1.7830
	26.553	16.253	3.1790	1.7600	4.0680
	6.3020	0.15700	0.28800	0.19300	
177	20.000	7.60630E+05	45000.	46.000	45.396
	44.375	48.196	5.3270	4.0110	2.3280
	20.377	23.146	5.4220	1.5590	3.6330
	6.1260	0.14500	0.30300	0.24300	
178	20.000	7.60630E+05	45201.	47.000	35.320
	39.651	43.918	6.9290	4.5140	1.7370
	49.087	20.381	3.0170	1.5350	3.9400
	6.4190	0.17900	0.30700	0.19200	
179	20.000	7.60630E+05	45402.	47.000	31.636
	37.628	43.743	6.9010	4.0370	1.7060
	47.628	16.296	2.9120	1.6470	4.1240
	6.5750	0.17800	0.28400	0.19200	
180	20.000	7.60630E+05	45603.	47.000	32.445
	37.231	44.258	6.0710	3.4550	1.4350
	36.663	11.938	2.0580	1.6210	4.1030
	6.7240	0.15700	0.22900	0.16800	
181	20.000	7.60630E+05	45804.	47.000	39.555
	41.306	45.465	6.3630	4.2220	0.97100
	40.484	17.827	0.94300	1.8260	4.5080
	7.1700	0.20000	0.32100	0.12200	
182	20.000	7.60630E+05	50006.	47.000	45.154
	46.859	47.244	6.4220	4.6000	1.4090
	41.247	21.163	1.9850	1.8380	4.4090
	7.1880	0.20600	0.35400	0.17500	

EOCR TESTS 14-24 (1976)

120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
190	20.000	7.60630E+05	51613.	47.000	35.270
	37.668	43.493	8.8890	6.6850	6.0350
	79.016	44.688	36.422	1.4190	3.4140
	5.6710	0.21600	0.40700	0.60000	
191	20.000	7.60630E+05	51814.	47.000	34.335
	33.992	42.567	8.5270	6.6610	5.8360
	72.702	44.373	34.060	1.3850	3.0750
	4.7920	0.17800	0.31600	0.48500	
192	20.000	7.60630E+05	52014.	47.000	24.177
	38.378	39.732	7.0730	7.5520	4.7800
	50.027	57.034	22.847	1.3020	3.1260
	4.6780	0.16100	0.34800	0.38100	
193	20.000	7.60630E+05	52215.	47.000	25.581
	29.533	41.496	8.3070	6.6690	5.7450
	70.346	44.478	33.007	1.3070	3.1480
	4.6550	0.17900	0.32700	0.47400	
194	20.000	7.60630E+05	52415.	47.000	27.084
	31.998	40.965	9.0230	6.7310	5.1770
	81.422	45.312	26.797	1.1610	2.7540
	4.4270	0.14600	0.30600	0.38300	
195	20.000	7.60630E+05	52615.	47.000	25.282
	31.565	46.509	7.3700	6.8320	5.1590
	54.313	46.673	26.618	1.2440	2.8520
	4.7640	0.12600	0.30200	0.43500	
196	20.000	7.60630E+05	52816.	47.000	27.294
	36.296	49.811	8.3300	7.1270	5.3170
	69.385	50.794	28.275	1.1850	2.7330
	4.5710	0.11700	0.37300	0.42200	

EOCR TESTS 14-24 (1976)

120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
197	20.000	7.60630E+05	53017.	47.000	24.704
	39.084	55.447	8.3190	6.9530	5.4730
	69.206	48.346	29.954	0.99100	2.3600
	4.5290	0.12500	0.27500	0.46200	
198	20.000	7.60630E+05	53218.	47.000	21.914
	32.118	54.504	9.9710	9.6250	5.5750
	99.428	92.633	31.082	0.89800	2.1900
	4.0840	0.13100	0.33000	0.41700	
199	20.000	7.60630E+05	53418.	47.000	18.534
	24.307	51.785	5.1870	5.7880	5.4640
	26.900	33.504	29.859	1.1390	2.4920
	3.9880	0.11000	0.30100	0.38800	
200	20.000	7.60630E+05	53619.	47.000	359.88
	10.480	41.391	3.3720	4.5010	6.0040
	11.370	20.261	36.046	1.2920	2.8700
	3.7890	4.70000E-02	0.10800	0.37600	
201	20.000	7.60630E+05	53819.	47.000	351.54
	2.6120	32.667	4.3000	4.4080	6.3350
	18.489	19.427	40.133	1.3240	2.8450
	3.5140	5.90000E-02	0.00000E-02	0.29700	
202	20.000	7.60630E+05	54020.	47.000	344.90
	357.72	22.784	4.9480	4.1200	7.0480
	24.481	16.974	49.676	1.1260	2.7580
	3.0310	0.12800	0.11500	0.24300	
203	20.000	7.60630E+05	54200.	39.000	342.75
	356.01	12.225	4.1830	6.0430	5.9990
	17.498	36.516	35.986	0.92000	2.3090
	2.5770	8.20000E-02	0.11300	0.17100	

EOCR TESTS 14-24 (1976)

120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
211	21.000	7.60715E+05	50000.	46.000	341.76
	4.5640	26.226	10.386	9.3580	5.8160
	107.86	87.571	33.828	1.1250	2.1860
	3.4890	0.14600	0.13800	0.33500	
212	21.000	7.60715E+05	50200.	47.000	338.44
	4.7700	25.016	5.3200	10.263	6.5980
	28.307	105.33	43.538	1.1030	2.1480
	3.4250	9.90000E-02	0.17200	0.37200	
213	21.000	7.60715E+05	50401.	47.000	351.26
	11.898	25.193	4.9060	6.3610	6.2730
	24.068	40.462	39.357	1.3480	2.4230
	3.4360	6.40000E-02	0.13900	0.32700	
214	21.000	7.60715E+05	50601.	47.000	355.00
	16.484	27.625	4.7860	7.1360	6.0940
	22.151	50.928	37.135	1.3620	2.6380
	3.6630	5.60000E-02	0.16500	0.36100	
215	21.000	7.60715E+05	50802.	47.000	349.16
	9.8590	25.233	5.4760	7.8150	7.3400
	29.988	61.069	53.872	1.4340	2.6690
	3.5990	0.15100	0.22900	0.42900	
216	21.000	7.60715E+05	51002.	47.000	345.39
	3.4000	17.848	4.6070	4.9510	8.5880
	21.225	24.513	73.756	1.4460	2.9780
	3.5030	0.16700	0.34100	0.31800	
217	21.000	7.60715E+05	51203.	47.000	341.29
	355.00	9.3850	2.9610	4.9240	8.5520
	8.7670	24.248	73.130	1.4750	3.6190
	3.6280	0.16800	0.25700	0.37600	

EOCR TESTS 14-24 (1976)

120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
204	21.000	7.60715E+05	44558.	46.000	42.480
	50.267	45.261	5.3140	4.2640	2.5890
	28.234	18.180	6.7030	1.2540	2.7790
	4.7360	0.11500	0.21800	0.21400	
205	21.000	7.60715E+05	44758.	46.000	42.758
	49.112	45.647	4.4480	4.2130	3.2090
	19.785	17.753	10.297	1.2010	2.6630
	4.4840	9.10000E-02	0.19600	0.25100	
206	21.000	7.60715E+05	44958.	46.000	42.842
	50.131	45.096	3.4790	3.4780	3.6610
	12.185	12.097	13.402	1.2430	2.6270
	4.4540	7.50000E-02	0.15500	0.28500	
207	21.000	7.60715E+05	45158.	46.000	33.663
	44.266	42.599	4.2930	4.4730	4.3060
	18.431	20.007	18.545	1.1420	2.5240
	4.3150	7.20000E-02	0.19500	0.31500	
208	21.000	7.60715E+05	45359.	47.000	24.992
	40.139	41.850	5.0260	4.3830	4.4390
	25.260	19.210	19.704	1.0910	2.4430
	4.0240	7.00000E-02	0.18600	0.30500	
209	21.000	7.60715E+05	45559.	47.000	8.0569
	26.945	37.872	6.8500	5.8670	3.6900
	45.918	34.421	13.628	1.1360	2.2740
	3.8730	8.10000E-02	0.16200	0.24000	
210	21.000	7.60715E+05	45801.	46.000	354.35
	14.348	31.479	7.7490	9.4500	3.9010
	60.049	89.309	15.216	1.2740	2.2590
	3.6530	7.00000E-02	0.19200	0.23300	

EOCR TESTS 14-24 (1976)

120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
218	21.000	7.60715E+05	51403.	47.000	345.65
	358.32	9.7910	6.1870	6.9190	7.6810
	38.277	47.867	58.992	1.5120	3.5140
	3.7190	0.23700	0.20900	0.27000	
219	21.000	7.60715E+05	51604.	47.000	350.90
	359.84	18.029	9.0540	5.7900	7.9300
	81.978	33.615	62.889	1.1820	2.9560
	3.8940	0.17900	0.38000	0.37000	
220	21.000	7.60715E+05	51804.	47.000	355.62
	359.99	16.756	5.6910	4.6620	7.2730
	32.392	21.738	52.899	1.2230	3.1430
	3.7760	0.14800	0.16800	0.34500	
221	21.000	7.60715E+05	52004.	47.000	358.35
	7.6850	16.666	5.7480	4.3030	6.7850
	33.037	18.520	46.030	1.5690	3.6450
	4.3150	7.10000E-02	0.15900	0.32300	
222	21.000	7.60715E+05	52205.	47.000	1.9580
	6.6430	12.837	4.7840	3.6660	5.0120
	22.891	13.441	25.120	1.5410	3.8400
	4.4460	0.14100	0.20000	0.28100	
223	21.000	7.60715E+05	52406.	47.000	5.8110
	12.380	15.684	6.8230	4.1220	5.4650
	46.548	16.990	29.864	1.6430	4.0360
	3.5380	0.14200	0.17300	0.29000	
224	21.000	7.60715E+05	52607.	47.000	11.596
	13.933	18.525	4.8570	2.2330	3.6640
	23.595	4.9860	13.421	1.6520	4.1760
	4.3190	0.12000	0.13900	0.21100	

EOCR TESTS 14-24 (1976)

120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
225	21.000	7.60715E+05	52207.	47.000	10.779
	16.002	20.064	5.5500	1.7480	3.5310
	30.805	3.0550	12.464	1.5670	4.1310
	4.1630	9.90000E-02	9.60000E-02	0.18600	
226	21.000	7.60715E+05	53008.	47.000	17.739
	19.353	21.988	5.3060	2.3620	3.1270
	28.157	5.5810	9.7770	1.5490	4.0640
	4.1280	0.10100	0.11800	0.17300	
227	21.000	7.60715E+05	53208.	47.000	18.443
	23.664	25.976	5.7900	1.4670	3.3980
	33.525	2.1520	11.546	1.5740	4.0490
	4.2170	0.13000	0.10100	0.20500	
228	21.000	7.60715E+05	53408.	47.000	26.131
	28.629	30.166	4.8850	1.7970	4.2120
	23.867	3.2310	17.745	1.5300	3.9150
	4.2760	0.11500	0.11700	0.26400	
229	21.000	7.60715E+05	53609.	47.000	26.039
	28.413	32.786	5.1880	2.2660	3.8520
	26.918	5.1350	14.841	1.4200	3.6320
	4.0840	0.12900	0.12600	0.23900	
230	21.000	7.60715E+05	53809.	47.000	30.706
	32.494	33.088	3.0990	2.7200	2.8690
	15.206	7.4000	8.2330	1.3070	3.3220
	3.7670	0.50000E-02	0.16100	0.14800	
231	21.000	7.60715E+05	54010.	47.000	23.286
	26.750	30.874	4.7630	2.3620	2.5840
	22.684	5.5800	6.6750	1.2460	3.0970
	3.5460	7.79999E-02	0.10100	0.15600	

EOCR TESTS 14-24 (1976)

120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
239	22.000	7.60716E+05	85402.	46.000	49.500
	50.345	31.306	12.763	10.388	7.4420
	162.90	107.92	55.377	1.8640	3.4110
	3.8730	0.43200	0.63200	0.43900	
240	22.000	7.60716E+05	85603.	47.000	49.692
	46.197	27.722	10.290	10.630	6.1390
	105.88	112.99	37.688	1.9270	3.4570
	4.0080	0.32800	0.63100	0.46300	
241	22.000	7.60716E+05	85804.	47.000	29.552
	30.687	21.657	12.631	8.9550	8.3350
	159.54	80.193	69.478	2.1340	3.8950
	4.2260	0.35300	0.49200	0.48100	
242	22.000	7.60716E+05	90005.	47.000	31.981
	26.842	10.982	14.471	11.711	6.7860
	209.41	137.14	46.056	2.2160	4.0350
	5.1590	0.46100	0.70000	0.59900	
243	22.000	7.60716E+05	90206.	47.000	36.382
	32.402	14.916	12.961	11.499	6.3770
	167.99	132.22	40.662	2.4130	4.1610
	4.8210	0.62500	0.94100	0.84100	
244	22.000	7.60716E+05	90407.	47.000	33.436
	33.404	21.702	14.864	10.916	7.9540
	220.94	119.15	63.262	2.4140	4.4510
	4.8630	0.52000	0.77900	0.42200	
245	22.000	7.60716E+05	90608.	47.000	29.178
	30.440	16.317	10.153	8.4010	8.3270
	103.09	70.569	69.333	2.6500	4.5740
	4.9830	0.49600	0.75200	0.78100	

EOCR TESTS 14-24 (1976)

120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
232	21.000	7.60715E+05	54210.	47.000	18.134
	25.331	31.356	4.2200	3.2650	2.6670
	17.809	10.660	7.1140	1.1770	2.7900
	3.3790	7.20000E-02	0.16200	0.12800	
233	21.000	7.60715E+05	54329.	31.000	19.361
	26.956	33.646	3.4210	2.0880	1.7970
	11.705	4.3600	3.2290	1.0630	2.6040
	3.4240	3.90000E-02	9.40000E-02	0.11000	
234	22.000	7.60716E+05	84359.	47.000	47.816
	45.524	29.057	10.509	7.4790	6.4780
	110.45	55.939	41.968	2.2290	4.1670
	4.1910	0.40200	0.54200	0.48900	
235	22.000	7.60716E+05	84559.	46.000	40.790
	38.832	27.724	8.8350	6.6100	8.3470
	78.860	43.695	69.668	1.9340	3.2970
	3.4010	0.30400	0.38600	0.42600	
236	22.000	7.60716E+05	84801.	47.000	55.337
	54.943	36.814	10.328	9.7450	5.4730
	106.66	94.960	29.959	2.0160	3.6050
	4.2590	0.32100	0.53500	0.42700	
237	22.000	7.60716E+05	85001.	46.000	44.218
	44.388	32.420	10.171	8.4320	6.9510
	103.45	71.104	48.323	2.1340	3.8720
	4.2230	0.37800	0.57000	0.52200	
238	22.000	7.60716E+05	85201.	46.000	53.274
	50.713	35.745	8.8560	6.8020	4.2910
	78.423	46.261	10.418	2.0530	3.9300
	4.3350	0.33400	0.46600	0.34700	

EOCR TESTS 14-24 (1976)

120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
246	22.000	7.60716E+05	90809.	47.000	16.949
	19.192	6.8600	11.278	9.0300	6.5110
	127.19	81.532	42.387	2.9100	4.7760
	5.7570	0.70600	0.85600	0.63000	
247	22.000	7.60716E+05	91009.	47.000	15.459
	14.861	3.3860	10.430	9.4670	10.693
	108.78	89.623	114.33	2.5570	4.4090
	4.8320	0.47900	0.64300	0.40700	
248	22.000	7.60716E+05	91210.	47.000	23.944
	25.349	10.749	11.434	8.3490	5.8780
	130.74	69.712	34.553	2.5390	4.4130
	4.8650	0.54600	0.67600	0.61800	
249	22.000	7.60716E+05	91411.	47.000	29.361
	24.669	11.561	14.182	13.272	7.3930
	201.14	176.14	54.660	2.3550	3.8970
	4.6270	0.60400	0.67500	0.63800	
250	22.000	7.60716E+05	91611.	47.000	29.211
	29.334	16.603	14.688	10.259	6.6790
	215.75	185.25	44.613	2.5990	4.8420
	5.2230	0.52000	0.65700	0.59400	
251	22.000	7.60716E+05	91812.	47.000	33.328
	29.583	14.697	11.389	10.258	9.4580
	129.71	185.22	89.445	2.3100	4.1610
	4.8210	0.41500	0.59000	0.48000	
252	22.000	7.60716E+05	92012.	47.000	35.136
	38.363	24.521	8.3530	7.5560	6.2540
	69.779	57.098	39.107	2.4180	4.1720
	4.4460	0.41200	0.58300	0.55300	

EOCR TESTS 14-24 (1976)

120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
253	22.000	7.60716E+05	92214.	47.000	16.500
	17.084	8.8720	9.9950	8.9090	5.9020
	99.895	79.374	34.828	2.3800	4.0820
	4.0080	0.33100	0.48400	0.29700	
254	22.000	7.60716E+05	92414.	47.000	23.389
	26.327	18.291	13.955	11.520	7.8810
	194.75	132.70	62.117	2.6350	4.4850
	4.8520	0.45900	0.63800	0.69200	
255	22.000	7.60716E+05	92615.	47.000	29.440
	31.751	17.363	12.393	9.0070	7.9940
	153.58	81.133	63.906	2.3670	4.3420
	4.5690	0.62100	0.89200	0.77600	
256	22.000	7.60716E+05	92816.	47.000	26.453
	23.458	12.929	10.492	9.0820	5.0380
	118.69	82.489	25.383	2.2900	4.1510
	4.7020	0.44300	0.78800	0.59400	
257	22.000	7.60716E+05	93017.	47.000	33.519
	32.456	17.443	11.362	8.9890	4.7660
	129.10	80.809	22.717	2.6050	4.5160
	5.1890	0.50000	0.67700	0.59700	
258	22.000	7.60716E+05	93218.	47.000	24.360
	23.674	13.196	7.1370	6.3520	4.6690
	50.932	40.352	21.795	3.0450	4.9470
	5.3860	0.37500	0.60400	0.40400	
259	22.000	7.60716E+05	93418.	47.000	39.345
	36.272	23.239	11.190	6.6470	5.1970
	125.21	44.178	27.013	2.7190	4.7290
	5.1700	0.53500	0.50100	0.37900	

EOCR TESTS 14-24 (1976)

120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
267	23.000	7.60721E+05	85802.	47.000	18.182
	19.785	9.9020	7.8460	7.0210	5.5260
	61.566	49.295	30.533	2.5640	4.1120
	4.2730	0.43200	0.54000	0.51900	
268	23.000	7.60721E+05	90002.	47.000	12.402
	11.549	3.1740	11.070	8.0700	6.0410
	122.54	65.118	36.496	2.2080	3.7540
	4.0590	0.43100	0.53000	0.33900	
269	23.000	7.60721E+05	90203.	47.000	10.431
	14.410	4.8250	11.529	6.5840	5.7080
	132.92	43.350	32.578	2.2750	3.8280
	4.2370	0.34900	0.32600	0.34700	
270	23.000	7.60721E+05	90404.	47.000	34.857
	32.863	16.511	9.1350	6.3240	8.1170
	83.455	39.990	65.085	2.3000	3.8010
	3.9740	0.35700	0.52800	0.35800	
271	23.000	7.60721E+05	90605.	47.000	15.259
	15.159	7.6900	14.090	14.776	8.3090
	221.71	218.34	69.039	1.7730	2.9970
	3.5880	0.40100	0.54100	0.50200	
272	23.000	7.60721E+05	90805.	47.000	16.604
	16.944	6.8120	9.7850	7.2750	6.8680
	95.747	52.928	47.168	2.2080	3.6620
	3.9710	0.30500	0.38500	0.38300	
273	23.000	7.60721E+05	91006.	47.000	17.598
	20.266	10.907	12.626	10.050	8.3460
	159.41	101.16	69.650	1.7640	2.9590
	3.5520	0.35500	0.53700	0.45900	

EOCR TESTS 14-24 (1976)

120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
260	22.000	7.60716E+05	93618.	47.000	33.791
	31.552	22.045	11.481	7.9350	5.8550
	131.82	62.964	34.276	2.7080	4.6570
	4.8390	0.53600	0.58700	0.56800	
261	22.000	7.60716E+05	93020.	47.000	44.445
	44.377	28.793	11.052	9.1290	8.0770
	122.15	83.338	65.232	2.3740	4.0390
	4.5180	0.45600	0.64500	0.71800	
262	22.000	7.60716E+05	93918.	23.000	54.439
	46.214	18.711	7.5490	10.538	12.130
	56.991	111.86	147.12	2.1750	3.7510
	3.8760	0.29800	0.70600	0.40000	
263	23.000	7.60721E+05	84958.	47.000	27.822
	26.619	15.271	23.875	17.837	13.996
	532.44	318.16	195.88	1.5710	2.4090
	3.0410	0.42800	0.60100	0.76100	
264	23.000	7.60721E+05	85159.	47.000	12.267
	13.385	3.4140	8.7290	5.9710	6.1260
	76.202	35.655	37.524	2.4900	4.0270
	4.0630	0.28400	0.39300	0.37600	
265	23.000	7.60721E+05	85359.	47.000	20.523
	23.137	11.152	10.911	8.5810	6.6240
	119.86	73.627	43.871	2.3150	3.5280
	3.6990	0.43500	0.57600	0.66700	
266	23.000	7.60721E+05	85601.	47.000	15.242
	11.786	2.8080	14.363	11.900	7.0690
	206.29	141.62	49.970	2.4970	4.1380
	4.2010	0.41800	0.59800	0.45400	

EOCR TESTS 14-24 (1976)

120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
274	23.000	7.60721E+05	91207.	47.000	22.032
	23.803	18.203	14.478	13.436	10.573
	209.61	180.52	111.79	1.7960	2.8590
	2.9860	0.31500	0.49100	0.69000	
275	23.000	7.60721E+05	91407.	46.000	18.547
	20.339	8.1530	25.790	19.012	15.294
	665.11	361.44	233.91	1.7860	3.0680
	3.3190	0.67600	0.83100	0.82100	
276	23.000	7.60721E+05	91607.	46.000	46.566
	52.840	27.678	13.183	11.321	9.0670
	173.80	128.16	82.203	1.7970	3.0880
	3.6270	0.42100	0.61700	0.57100	
277	23.000	7.60721E+05	91809.	47.000	37.518
	31.066	18.333	12.713	9.8630	10.788
	161.61	97.269	116.38	1.7440	2.8840
	3.1240	0.41800	0.57800	0.41900	
278	23.000	7.60721E+05	92010.	47.000	29.391
	29.371	12.849	14.231	11.583	17.031
	202.52	134.17	290.05	1.6980	2.9410
	3.0450	0.36400	0.53000	0.40200	
279	23.000	7.60721E+05	92211.	47.000	46.776
	50.237	33.872	14.103	10.195	8.1170
	198.91	103.95	65.887	1.7530	3.0170
	3.3080	0.43400	0.53000	0.50100	
280	23.000	7.60721E+05	92412.	47.000	43.279
	39.646	25.186	6.9600	7.2310	4.9540
	48.446	52.284	24.541	1.8820	2.9820
	3.1070	0.22700	0.35900	0.26000	

EOCR TESTS 14-24 (1976)

120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
281	23.000	7.60721E+05	92612.	46.000	37.032
	28.944	15.343	14.868	13.369	10.044
	221.07	178.73	100.87	1.5490	2.3530
	2.6550	0.40700	0.65400	0.48700	
282	23.000	7.60721E+05	92813.	46.000	37.921
	39.096	25.969	15.628	14.869	14.652
	244.22	221.10	214.68	1.5310	2.4340
	2.7720	0.41200	0.63700	0.56300	
283	23.000	7.60721E+05	93012.	46.000	54.353
	53.945	34.024	20.153	15.013	9.6170
	406.13	225.39	92.481	1.3330	2.2230
	2.6170	0.41900	0.54500	0.52000	
284	23.000	7.60721E+05	93214.	47.000	47.024
	48.047	28.514	20.329	18.343	14.498
	413.25	336.48	210.19	1.3950	2.3140
	2.6060	0.49200	0.72600	0.78600	
285	23.000	7.60721E+05	93415.	47.000	29.275
	33.154	22.601	9.0440	7.5680	6.9410
	81.796	57.276	48.180	2.1060	3.2530
	3.4910	0.39300	0.48000	0.42500	
286	23.000	7.60721E+05	93617.	47.000	31.622
	20.587	19.174	15.192	13.494	13.002
	238.79	181.81	169.06	1.4380	2.2300
	2.3980	0.38200	0.43800	0.54500	
287	23.000	7.60721E+05	93818.	46.000	7.0000
	5.5410	359.59	16.640	16.917	8.9710
	276.89	286.18	80.472	1.0910	1.7080
	1.9790	0.30800	0.41400	0.25500	

EOCR TESTS 14-24 (1976)

120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
295	24.000	7.60722E+05	92405.	47.000	13.749
	16.297	12.722	7.5050	6.7270	7.2920
	56.321	45.249	53.171	2.2270	3.7330
	3.6830	0.19700	0.27800	0.36100	
296	24.000	7.60722E+05	92605.	46.000	44.161
	44.979	31.798	11.483	9.5610	6.6730
	131.87	91.412	44.530	2.1580	3.6960
	4.0550	0.42900	0.61700	0.42200	
297	24.000	7.60722E+05	92805.	46.000	52.548
	51.296	35.762	7.6780	5.6340	6.9110
	58.959	31.744	47.759	2.3930	3.9570
	3.0850	0.32600	0.37600	0.41400	
298	24.000	7.60722E+05	93006.	47.000	41.528
	35.961	21.964	13.973	12.277	7.6160
	195.25	150.73	58.001	1.9380	3.3020
	3.4580	0.45000	0.57600	0.38100	
299	24.000	7.60722E+05	93208.	47.000	30.970
	31.461	22.906	12.732	9.1250	6.8270
	162.11	83.272	46.608	2.1050	3.5630
	3.7550	0.37300	0.47000	0.33200	
300	24.000	7.60722E+05	93410.	47.000	25.291
	23.292	14.866	13.743	9.2020	7.5690
	188.87	84.677	57.290	1.6510	2.9480
	3.0060	0.40900	0.55500	0.30300	
301	24.000	7.60722E+05	93611.	47.000	10.503
	12.871	7.0910	10.767	9.6060	9.1030
	115.93	93.817	82.858	1.6870	3.0150
	3.2160	0.30500	0.45700	0.42300	

EOCR TESTS 14-24 (1976)

120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
288	23.000	7.60721E+05	94019.	45.000	24.649
	26.715	18.115	31.544	28.749	16.263
	995.05	826.53	264.49	1.0710	1.6990
	2.1520	0.36300	0.57200	0.46100	
289	23.000	7.60721E+05	94220.	46.000	42.707
	37.321	7.6240	17.337	13.813	12.820
	380.56	190.80	164.35	1.3360	2.1250
	2.6630	0.41600	0.56600	0.49400	
290	23.000	7.60721E+05	94322.	24.000	13.219
	6.6570	3.3670	14.409	11.325	14.477
	287.61	128.26	209.57	1.4680	2.2750
	2.5790	0.25700	0.21600	0.14700	
291	24.000	7.60722E+05	91558.	46.000	43.358
	41.498	27.016	12.455	11.472	11.809
	155.14	131.61	139.45	1.8970	3.1250
	3.1670	0.41800	0.63200	0.68200	
292	24.000	7.60722E+05	91801.	47.000	57.012
	53.062	34.763	10.243	9.9360	6.3550
	104.91	98.722	40.385	1.9280	3.3070
	3.2750	0.34200	0.56000	0.38300	
293	24.000	7.60722E+05	92002.	46.000	38.041
	38.341	29.054	8.2060	9.6500	7.3250
	67.339	93.123	53.657	1.8630	3.0000
	3.0660	0.23500	0.51800	0.34300	
294	24.000	7.60722E+05	92203.	47.000	19.273
	24.423	13.537	13.230	13.116	7.4690
	175.04	172.04	55.706	1.0450	2.9730
	3.3040	0.49900	0.77800	0.61000	

EOCR TESTS 14-24 (1976)

120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST 10M DIR 4M DVAR 30M SPD	DATE 30M DIR 10M DVAR 4M SSD	TIME 4M DSD 30M DVAR 10M SSD	NUM PTS 10M DSD 4M SPD 30M SSD	4M DIR 30M DSD 10M SPD
302	24.000	7.60722E+05	93811.	47.000	30.250
	27.530	14.172	11.410	10.537	9.8280
	130.19	111.83	96.593	1.9890	3.2980
	3.3630	0.34100	0.54700	0.41000	
303	24.000	7.60722E+05	94012.	47.000	22.812
	22.508	9.5890	11.116	8.1630	7.8620
	123.56	66.630	61.805	2.0460	3.5400
	3.6420	0.42100	0.56800	0.48900	
304	24.000	7.60722E+05	94214.	47.000	20.464
	21.328	12.004	9.6190	6.6480	7.4230
	92.531	44.201	55.096	1.6820	3.2020
	3.5898	0.24900	0.44800	0.37200	
305	24.000	7.60722E+05	94415.	47.000	22.801
	24.865	10.868	15.487	15.876	11.268
	239.86	252.06	126.79	1.7520	2.9360
	3.4960	0.34500	0.66200	0.46500	
306	24.000	7.60722E+05	94615.	46.000	357.39
	2.3510	0.60000	8.5590	5.1030	7.9360
	73.249	26.038	62.977	1.9310	3.1420
	3.1810	0.33300	0.48400	0.38300	
307	24.000	7.60722E+05	94816.	47.000	43.928
	35.195	31.765	28.481	25.879	16.587
	811.19	669.70	275.12	1.2120	2.0920
	2.7480	0.59200	0.82900	0.69900	
308	24.000	7.60722E+05	95017.	46.000	43.402
	40.209	36.504	12.728	12.389	10.501
	162.81	153.48	110.27	1.7750	2.8660
	3.1220	0.39200	0.61300	0.59500	

EOCR TESTS 14-24 (1976)

120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST	DATE	TIME	NUM PTS	4M DIR
	10M DIR	30M DIR	4M DSD	10M DSD	30M DSD
	4M DVAR	10M DVAR	30M DVAR	4M SPD	10M SPD
	30M SPD	4M SSD	10M SSD	30M SSD	
309	24.000	7.60722E+05	95218.	47.000	69.608
	64.811	51.647	21.652	18.985	9.0180
	468.82	360.43	81.318	1.3710	2.2020
	2.6350	0.42000	0.55500	0.40500	
310	24.000	7.60722E+05	95418.	46.000	32.928
	26.161	20.748	19.452	16.446	13.599
	378.38	270.48	184.93	1.4290	2.3360
	2.5080	0.44800	0.75200	0.75200	
311	24.000	7.60722E+05	95620.	47.000	25.402
	25.166	11.423	13.014	9.7960	5.3860
	169.36	95.968	28.154	1.6480	2.8030
	3.1380	0.31500	0.46400	0.38600	
312	24.000	7.60722E+05	95821.	47.000	33.581
	31.879	14.089	11.639	13.642	14.164
	135.47	186.11	200.63	1.5020	2.3220
	2.4960	0.30200	0.47400	0.44700	
313	24.000	7.60722E+05	1.00822E+05	46.000	50.046
	49.607	37.374	10.891	8.7930	7.9710
	118.61	77.323	63.535	1.6750	2.7170
	2.6900	0.28900	0.39800	0.42200	
314	24.000	7.60722E+05	1.00223E+05	46.000	23.078
	22.997	11.038	37.856	30.243	27.809
	1433.1	914.62	773.34	1.0580	1.9150
	1.9900	0.71500	1.0290	0.69400	
315	24.000	7.60722E+05	1.00425E+05	47.000	2.0760
	2.5920	354.69	15.232	13.660	11.002
	232.03	186.59	121.04	1.6730	2.7590
	3.4040	0.55200	0.78400	0.39400	

EOCR TESTS 14-24 (1976)

120. SECOND WIND STATISTICS

VARIABLE LABELS...

	TEST	DATE	TIME	NUM PTS	4M DIR
	10M DIR	30M DIR	4M DSD	10M DSD	30M DSD
	4M DVAR	10M DVAR	30M DVAR	4M SPD	10M SPD
	30M SPD	4M SSD	10M SSD	30M SSD	
316	24.000	7.60722E+05	1.00626E+05	47.000	347.92
	354.20	358.46	17.283	13.534	11.400
	298.69	183.16	129.95	1.5350	2.5580
	3.0740	0.53400	0.74000	0.25100	
317	24.000	7.60722E+05	1.00825E+05	46.000	28.975
	20.830	359.58	19.102	12.841	15.588
	364.89	164.98	242.98	1.2480	2.0120
	2.3160	0.29200	0.42200	0.37200	
318	24.000	7.60722E+05	1.01026E+05	47.000	28.806
	19.589	18.229	20.697	20.032	14.630
	428.38	401.29	214.05	1.8620	2.8640
	3.3350	0.60000	0.90500	0.79200	
319	24.000	7.60722E+05	1.01227E+05	47.000	25.771
	25.815	14.607	11.693	12.133	8.0640
	136.74	147.21	65.029	1.8580	3.0010
	2.9980	0.40500	0.54200	0.54600	
320	24.000	7.60722E+05	1.01229E+05	1.0000	28.270
	27.270	7.8800	0.00000	0.00000	0.00000
	0.00000	0.00000	0.00000	1.4260	2.1060
	2.1990	0.00000	0.00000	0.00000	

APPENDIX C: Total Wind Statistics for Each Test.

This appendix contains wind statistics for the entire duration of each test. The next eight values for variables following the variable labeled "level" apply for that given height. Some of the statistics were calculated using the information in Appendix B.

Definitions of Variables Used.

TEST Number of Test.

DATE Date of test composed of six digits in the form YYMMDD where YY is the last two digits of the year, MM is the number of the month, and DD is the day of the month.

START Time of beginning of the test in Mountain Standard Time in the form hhmmss where hh is the hour, mm is the minute, and ss is the second.

END Time of end of the test in Mountain Standard Time in the form hhmmss where hh is the hour, mm is the minute, and ss is the second.

NUM PTS Number of wind observations recorded during the entire test at the specified height.

LEVEL Height in meters.

DIR Average wind direction in degrees for the entire test at the previously specified height.

SPD Average wind speed in m/sec for the entire test at the previously specified height.

TOT VAR Variance of the wind direction in deg^2 for the entire test at the previously specified height.

DIFF VAR Average of the two minute interval wind direction variances in deg^2 for the entire test at the previously specified height.

TRNSPT V Variance of the two minute interval wind direction averages in deg^2 for the entire test at the previously specified height.

TOT SIG Square root of the variance of the wind direction in degrees for the entire test at the previously specified height.

DIFF SIG Square root of the average of the two minute wind direction variances in degrees for the entire test at the previously specified height.

TRNSPT S Square root of the variance of the two minute interval wind direction averages in degrees for the entire test at the previously specified height.

EOCR TESTS 4-13 (1975)

TOTAL STATISTICS

VARIABLE LABELS...

	TEST LEVEL TRNSPT V	DATE DIR TOT SIG	START VEL DIFF SIG	END TOT VAR TRNSPT S	NUM PTS DIFF VAR
1	4.0000	7.50709E+05	65900.	74900.	185.00
	4.0000	20.335	3.0214	126.17	84.190
	49.493	11.232	9.1755	7.0351	
2	4.0000	7.50709E+05	65900.	74900.	185.00
	10.000	24.767	3.6083	76.370	48.026
	30.997	8.7390	6.9301	5.5675	
3	4.0000	7.50709E+05	65900.	74900.	185.00
	30.000	14.645	4.5810	77.394	56.958
	39.140	8.7974	7.5471	6.2562	
4	5.0000	7.50718E+05	1.10700E+05	1.20700E+05	193.00
	4.0000	245.56	7.2544	283.82	136.52
	92.689	14.276	11.684	9.6275	
5	5.0000	7.50718E+05	1.10700E+05	1.20700E+05	193.00
	10.000	245.57	8.0169	171.38	101.25
	84.997	13.091	10.062	9.2194	
6	5.0000	7.50718E+05	1.10700E+05	1.20700E+05	193.00
	30.000	246.82	8.9655	153.03	80.553
	88.192	12.371	8.9751	9.3911	
7	6.0000	7.50721E+05	72400.	82400.	351.00
	4.0000	48.145	1.4842	921.02	109.50
	787.59	30.348	10.464	28.864	
8	6.0000	7.50721E+05	72400.	82400.	351.00
	10.000	38.352	1.6705	728.82	103.56
	608.27	26.997	10.176	24.663	
9	6.0000	7.50721E+05	72400.	82400.	351.00
	30.000	42.201	2.5175	462.89	60.398
	409.42	21.515	7.7716	20.234	
10	7.0000	7.50722E+05	64300.	73000.	96.000
	4.0000	300.85	7827.3	3.94526E+05	12426.
	28892.	628.11	111.47	169.98	

EOCR TESTS 4-13 (1975)

TOTAL STATISTICS

VARIABLE LABELS...

	TEST LEVEL TRNSPT V	DATE DIR TOT SIG	START VEL DIFF SIG	END TOT VAR TRNSPT S	NUM PTS DIFF VAR
11	7.0000	7.50722E+05	64300.	73000.	96.000
	10.000	256.56	11240.	2.13220E+05	9820.0
	2861.4	461.76	99.096	53.492	
12	7.0000	7.50722E+05	64300.	73000.	96.000
	30.000	209.91	9881.3	2.03578E+05	8630.9
	19823.	451.20	92.903	140.79	
13	8.0000	7.50724E+05	44800.	51700.	101.00
	4.0000	304.88	0.57920	3292.5	134.31
	3009.1	57.380	11.589	54.855	
14	8.0000	7.50724E+05	44800.	51700.	101.00
	10.000	296.09	1.0183	1614.0	112.50
	1456.4	40.174	10.606	38.163	
15	8.0000	7.50724E+05	44800.	51700.	101.00
	30.000	344.91	1.6490	831.87	77.849
	731.85	28.842	8.8232	27.053	
16	9.0000	7.50728E+05	60300.	70300.	1765.0
	4.0000	3.3272	1.7172	920.99	144.27
	804.69	30.348	12.011	28.371	
17	9.0000	7.50728E+05	60300.	70300.	1765.0
	10.000	28.820	2.7753	676.56	59.852
	614.81	26.011	7.7364	24.795	
18	9.0000	7.50728E+05	60300.	70300.	1765.0
	30.000	30.512	4.0365	251.67	35.917
	237.78	15.864	5.9930	15.420	
19	10.000	7.50731E+05	1.12400E+05	1.20700E+05	890.00
	4.0000	180.97	0.71383	3410.3	1779.5
	965.67	58.398	42.184	31.075	
20	10.000	7.50731E+05	1.12400E+05	1.20700E+05	890.00
	10.000	178.11	3.0303	746.94	539.80
	480.33	27.330	23.234	21.916	

EOCR TESTS 4-13 (1975)

TOTAL STATISTICS

VARIABLE LABELS...

	TEST LEVEL TRNSPT V	DATE DIR TOT SIG	START VEL DIFF SIG	END TOT VAR TRNSPT S	NUM PTS DIFF VAR
21	10.000	7.50728E+05	1.12400E+05	1.20700E+05	890.00
	30.000	192.75	3.2406	967.51	140.88
	806.26	31.185	11.869	28.395	
22	11.000	7.50812E+05	1.10800E+05	1.13500E+05	766.00
	4.0000	81.883	0.80499	4211.5	1628.9
	2993.8	64.896	40.359	54.716	
23	11.000	7.50812E+05	1.10800E+05	1.13500E+05	766.00
	10.000	78.311	0.87132	3695.9	1231.8
	2562.6	60.794	35.096	50.623	
24	11.000	7.50812E+05	1.10800E+05	1.13500E+05	766.00
	30.000	82.465	0.94477	3242.9	578.25
	2309.0	56.947	24.047	48.052	
25	12.000	7.50813E+05	74200.	81200.	1036.0
	4.0000	40.198	2.2861	257.97	64.684
	186.70	16.062	8.0426	13.664	
26	12.000	7.50813E+05	74200.	81200.	1036.0
	10.000	41.982	2.4239	267.92	58.525
	208.02	16.368	7.6502	14.423	
27	12.000	7.50813E+05	74200.	81200.	1036.0
	30.000	42.018	3.5426	145.28	35.141
	107.06	12.050	5.9280	10.347	
28	13.000	7.50814E+05	1.11700E+05	1.21700E+05	2067.0
	4.0000	25.784	1.3583	2390.5	1615.2
	1494.9	48.892	40.190	38.664	
29	13.000	7.50814E+05	1.11700E+05	1.21700E+05	2067.0
	10.000	29.982	1.4819	1975.9	1474.4
	1282.8	44.451	38.398	35.816	
30	13.000	7.50814E+05	1.11700E+05	1.21700E+05	2067.0
	30.000	22.399	1.7257	1573.6	691.67
	1059.0	39.669	26.300	32.542	

EOCR TESTS 14-24 (1976)

TOTAL STATISTICS

VARIABLE LABELS...

	TEST LEVEL TRNSPT V	DATE DIR TOT SIG	START SPD DIFF SIG	END TOT VAR TRNSPT S	NUM PTS DIFF VAR
1	14.000	7.60506E+05	71900.	81900.	1225.0
	4.0000	46.538	6.4840	89.044	70.427
	19.357	9.4360	8.3920	4.4000	
2	14.000	7.60506E+05	71900.	81900.	1225.0
	10.000	46.379	7.7520	66.777	50.286
	17.966	8.1720	7.0910	4.2390	
3	14.000	7.60506E+05	71900.	81900.	1225.0
	30.000	47.445	9.4560	48.462	33.828
	15.072	6.9610	5.8160	3.8820	
4	15.000	7.60512E+05	71800.	81800.	1343.0
	4.0000	19.547	1.8860	451.81	151.20
	321.17	21.256	12.296	17.921	
5	15.000	7.60512E+05	71800.	81800.	1343.0
	10.000	20.680	3.9960	400.08	101.29
	318.88	20.002	10.064	17.857	
6	15.000	7.60512E+05	71800.	81800.	1343.0
	30.000	22.161	4.6300	381.76	53.617
	329.89	19.539	7.3220	18.163	
7	16.000	7.60518E+05	71600.	81600.	1316.0
	4.0000	24.217	2.9250	431.88	132.67
	311.64	20.782	11.518	17.653	
8	16.000	7.60516E+05	71600.	81600.	1316.0
	10.000	24.626	3.1550	389.47	99.237
	305.16	19.735	9.9620	17.469	
9	16.000	7.60518E+05	71600.	81600.	1316.0
	30.000	29.829	3.5220	293.99	87.056
	233.06	17.146	9.3300	15.266	
10	17.000	7.60521E+05	55100.	65100.	1280.0
	4.0000	341.70	0.64900	5307.5	199.10
	5029.3	72.853	14.110	70.918	

EOCR TESTS 14-24 (1976)

TOTAL STATISTICS

VARIABLE LABELS...

	TEST LEVEL TRNSPT V	DATE DIR TOT SIG	START SPD DIFF SIG	END TOT VAR TRNSPT S	NUM PTS DIFF VAR
21	20.000	7.60630E+05	44400.	54200.	1349.0
	30.000	46.507	5.5480	149.29	18.988
	136.11	12.218	4.3580	11.667	
22	21.000	7.60715E+05	44400.	54400.	1388.0
	4.0000	8.4750	1.2780	373.71	31.603
	330.95	19.332	5.6220	18.411	
23	21.000	7.60715E+05	44400.	54400.	1388.0
	10.000	18.630	3.0050	211.79	27.181
	109.75	14.553	5.2140	13.775	
24	21.000	7.60715E+05	44400.	54400.	1388.0
	30.000	27.243	3.8790	122.47	28.097
	96.365	11.867	5.3810	9.8170	
25	22.000	7.60716E+05	84200.	94200.	1335.0
	4.0000	33.515	2.3420	203.13	131.19
	69.153	14.252	11.454	8.3160	
26	22.000	7.60716E+05	84200.	94200.	1335.0
	10.000	32.875	4.1250	146.83	87.757
	60.719	12.117	9.3680	7.7920	
27	22.000	7.60716E+05	84200.	94200.	1335.0
	30.000	19.177	4.6130	98.849	50.502
	49.413	9.9420	7.1860	7.0290	
28	23.000	7.60721E+05	84800.	94600.	1284.0
	4.0000	26.489	1.7770	328.60	243.64
	128.04	18.127	15.609	11.315	
29	23.000	7.60721E+05	84800.	94600.	1284.0
	10.000	26.480	2.8950	270.39	171.96
	136.76	16.444	13.113	11.694	
30	23.000	7.60721E+05	84800.	94600.	1284.0
	30.000	14.288	3.2250	168.97	110.66
	74.584	12.999	10.520	8.6320	

EOCR TESTS 14-24 (1976)

TOTAL STATISTICS

VARIABLE LABELS...

	TEST LEVEL TRNSPT V	DATE DIR TOT SIG	START SPD DIFF SIG	END TOT VAR TRNSPT S	NUM PTS DIFF VAR
11	17.000	7.60521E+05	55100.	65100.	1280.0
	10.000	359.41	1.1570	1911.4	105.58
	1803.6	43.720	10.275	42.469	
12	17.000	7.60521E+05	55100.	65100.	1280.0
	30.000	26.790	2.3420	506.23	34.453
	482.78	22.500	5.8780	21.972	
13	18.000	7.60623E+05	53500.	63500.	1379.0
	4.0000	38.320	3.9670	200.38	74.075
	120.35	14.156	8.6070	10.971	
14	18.000	7.60623E+05	53500.	63500.	1379.0
	10.000	36.779	4.8580	156.69	45.257
	105.84	12.517	6.7270	10.208	
15	18.000	7.60623E+05	53500.	63500.	1379.0
	30.000	32.119	6.7110	126.52	25.721
	98.721	11.248	5.0720	9.9360	
16	19.000	7.60629E+05	42900.	52900.	1311.0
	4.0000	9.0370	1.0090	408.74	66.589
	336.34	20.217	8.1600	18.340	
17	19.000	7.60629E+05	42900.	52900.	1311.0
	10.000	16.311	2.4030	270.89	55.548
	216.38	16.459	7.4530	14.710	
18	19.000	7.60629E+05	42900.	52900.	1311.0
	30.000	37.734	4.4140	154.24	24.208
	132.82	12.420	4.9200	11.490	
19	20.000	7.60630E+05	44400.	54200.	1349.0
	4.0000	35.224	1.4440	445.15	51.816
	386.58	21.099	7.1900	19.662	
20	20.000	7.60630E+05	44400.	54200.	1349.0
	10.000	38.816	3.4650	286.60	35.345
	252.72	16.929	5.9450	15.897	

EOCR TESTS 14-24 (1976)

TOTAL STATISTICS

VARIABLE LABELS...

	TEST LEVEL TRNSPT V	DATE DIR TOT SIG	START SPD DIFF SIG	END TOT VAR TRNSPT S	NUM PTS DIFF VAR
31	24.000	7.60722E+05	91400.	1.01400E+05	1354.0
	4.0000	29.451	1.6840	457.63	248.06
	246.47	21.392	15.750	15.699	
32	24.000	7.60722E+05	91400.	1.01400E+05	1354.0
	10.000	28.881	2.8370	359.53	185.57
	203.03	18.961	13.622	14.249	
33	24.000	7.60722E+05	91400.	1.01400E+05	1354.0
	30.000	18.248	3.0770	257.59	122.76
	154.89	16.849	11.080	12.413	

APPENDIX D: Normalized Concentrations

This appendix contains a listing by test, arc, and gas of the normalized concentration values. Ground sampler positions are numbered 1-520 inclusive and tower data 6x0-6x4 where x is the tower number 1-6. Miscellaneous sampler positions are numbered 701-704 inclusive. These samplers were located on the lowest level roof on the reactor building. No ground samples were taken at the 200 meter arc during any of the tests nor at the 50 meter arc during tests 9 and 10. No miscellaneous samples were taken during tests 3-10 inclusive.

EOCR TEST 3 NRC STAB F 7/8/75 0606-0706 MST

GAS S AVERAGE WINDS: SPEED 1.3 M/S ;DIRECTION 0. DEGREES
SOURCE STRENGTH 0.0462 GM/S RELEASED STACK

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M	
	GLN	CONC	GLN	CONC	GLN	CONC
120.	20	1.18E-05	60	0.00E+00	200	0.00E+00
186.	31	8.82E-06	91	0.00E+00	211	0.00E+00
192.	32	1.65E-05	92	7.34E-06	212	0.00E+00
198.	33	2.29E-05	93	1.96E-05	213	0.00E+00
204.	34	2.98E-05	94	4.66E-05	214	1.17E-05
210.	35	3.25E-05	95	6.16E-05	215	3.78E-05
216.	36	2.83E-05	96	7.77E-05	216	5.02E-05
222.	37	2.22E-05	97	5.18E-05	217	3.66E-05
228.	38	1.31E-05	98	0.00E+00	218	1.36E-05
234.	39	7.20E-06	99	5.29E-06	219	0.00E+00

GAS F AVERAGE WINDS: SPEED 0.5 M/S ;DIRECTION 0. DEGREES
SOURCE STRENGTH 0.9945 GM/S RELEASED GROUND

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M	
	GLN	CONC	GLN	CONC	GLN	CONC
54.	9	3.68E-06	69	0.00E+00	189	0.00E+00
120.	20	3.96E-06	80	0.00E+00	200	0.00E+00
132.	22	4.72E-06	82	0.00E+00	202	3.89E-06
138.	23	0.00E+00	83	0.00E+00	203	5.67E-06
144.	24	4.52E-06	84	0.00E+00	204	2.53E-06
150.	25	0.00E+00	85	0.00E+00	205	2.60E-06
156.	26	2.97E-06	86	0.00E+00	206	0.00E+00
168.	28	2.93E-06	88	0.00E+00	208	0.00E+00
174.	29	2.80E-05	89	0.00E+00	209	0.00E+00
180.	30	0.00E+00	90	0.00E+00	210	1.28E-05
186.	31	1.10E-04	91	3.92E-06	211	4.90E-06
192.	32	1.60E-04	92	5.33E-06	212	0.00E+00
198.	33	1.71E-04	93	1.18E-05	213	0.00E+00
204.	34	1.87E-04	94	2.50E-05	214	4.04E-06
210.	35	1.74E-04	95	5.90E-05	215	2.52E-06
216.	36	2.05E-04	96	8.52E-05	216	1.90E-05
222.	37	2.25E-04	97	9.92E-05	217	1.03E-05
228.	38	3.47E-04	98	0.00E+00	218	3.51E-06
234.	39	4.07E-04	99	3.70E-05	219	0.00E+00
240.	40	3.37E-04	100	1.61E-05	220	1.10E-05
246.	41	1.45E-04	101	6.65E-06	221	0.00E+00
252.	42	0.00E+00	102	3.37E-06	222	0.00E+00
258.	43	1.04E-05	103	0.00E+00	223	0.00E+00
294.	49	2.60E-06	109	0.00E+00	229	0.00E+00
300.	50	3.85E-06	110	0.00E+00	230	0.00E+00

EOCR TEST 4 NRC STAB E 7/9/75 0559-0649 MST

GAS S AVERAGE WINDS: SPEED 4.4 M/S ;DIRECTION 15. DEGREES
SOURCE STRENGTH 0.0599 GM/S RELEASED STACK

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
60.	10	9.66E-04	70	0.00E+00	190	0.00E+00	250	0.00E+00
156.	26	1.78E-05	86	0.00E+00	206	0.00E+00	266	0.00E+00
162.	27	2.72E-05	87	0.00E+00	207	0.00E+00	267	0.00E+00
168.	28	5.10E-05	88	0.00E+00	208	0.00E+00	268	0.00E+00
174.	29	7.67E-05	89	3.22E-05	209	0.00E+00	269	0.00E+00
180.	30	1.51E-04	90	1.76E-04	210	0.00E+00	270	2.97E-05
186.	31	1.79E-04	91	3.67E-04	211	2.46E-04	271	6.67E-05
192.	32	1.30E-04	92	4.31E-04	212	0.00E+00	272	9.02E-05
198.	33	1.87E-04	93	3.00E-04	213	1.57E-04	273	4.58E-05
204.	34	1.69E-04	94	2.37E-04	214	0.00E+00	274	7.36E-05
210.	35	0.00E+00	95	1.44E-04	215	0.00E+00	275	1.73E-05
222.	37	6.71E-05	97	0.00E+00	217	0.00E+00	277	0.00E+00
228.	38	2.49E-05	98	0.00E+00	218	0.00E+00	278	0.00E+00

GAS F AVERAGE WINDS: SPEED 3.1 M/S ;DIRECTION 20. DEGREES
SOURCE STRENGTH 0.9498 GM/S RELEASED GROUND

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
54.	9	1.87E-05	69	0.00E+00	189	0.00E+00	249	0.00E+00
60.	10	4.62E-05	70	0.00E+00	190	0.00E+00	250	0.00E+00
72.	12	1.79E-05	72	0.00E+00	192	0.00E+00	252	0.00E+00
90.	15	1.83E-05	75	0.00E+00	195	0.00E+00	255	0.00E+00
96.	16	2.84E-05	76	0.00E+00	196	0.00E+00	256	0.00E+00
102.	17	2.97E-05	77	0.00E+00	197	0.00E+00	257	0.00E+00
108.	18	3.40E-05	78	0.00E+00	198	0.00E+00	258	0.00E+00
132.	22	2.21E-05	82	0.00E+00	202	0.00E+00	262	0.00E+00
138.	23	2.67E-05	83	0.00E+00	203	0.00E+00	263	0.00E+00
144.	24	6.49E-05	84	3.37E-05	204	5.98E-04	264	1.66E-05
150.	25	0.00E+00	85	4.26E-05	205	0.00E+00	265	0.00E+00
156.	26	8.20E-05	86	0.00E+00	206	0.00E+00	266	0.00E+00
162.	27	1.35E-04	87	1.82E-05	207	0.00E+00	267	0.00E+00
168.	28	2.34E-04	88	2.40E-05	208	1.90E-05	268	0.00E+00
174.	29	3.87E-04	89	1.93E-05	209	7.15E-06	269	0.00E+00
180.	30	9.76E-04	90	1.58E-04	210	0.00E+00	270	2.13E-05
186.	31	1.29E-03	91	2.50E-04	211	1.30E-04	271	3.74E-05
192.	32	1.51E-03	92	5.87E-04	212	0.00E+00	272	6.73E-05
198.	33	3.38E-03	93	7.11E-04	213	4.27E-05	273	1.04E-05
204.	34	4.13E-03	94	7.94E-04	214	0.00E+00	274	6.66E-05
210.	35	0.00E+00	95	5.52E-04	215	0.00E+00	275	2.50E-05
222.	37	4.87E-03	97	0.00E+00	217	0.00E+00	277	0.00E+00

EOCR TEST 3 NRC STAB F 7/8/75 0606-0706 MST

GAS F AVERAGE WINDS: SPEED 0.5 M/S ;DIRECTION 0. DEGREES
SOURCE STRENGTH 0.9945 GM/S RELEASED GROUND

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M	
	GLN	CONC	GLN	CONC	GLN	CONC
312.	52	8.11E-06	112	0.00E+00	232	0.00E+00
324.	54	2.92E-06	114	0.00E+00	234	0.00E+00

GAS B AVERAGE WINDS: SPEED 1.3 M/S ;DIRECTION 0. DEGREES
SOURCE STRENGTH 0.0982 GM/S RELEASED ROOF

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M	
	GLN	CONC	GLN	CONC	GLN	CONC
186.	31	1.82E-05	91	0.00E+00	211	0.00E+00
192.	32	3.31E-05	92	0.00E+00	212	0.00E+00
198.	33	3.92E-05	93	0.00E+00	213	0.00E+00
204.	34	5.34E-05	94	3.62E-05	214	0.00E+00
210.	35	5.70E-05	95	6.05E-05	215	1.05E-05
216.	36	5.02E-05	96	6.80E-05	216	1.85E-05
222.	37	3.68E-05	97	4.97E-05	217	0.00E+00
228.	38	2.55E-05	98	0.00E+00	218	0.00E+00
234.	39	1.08E-05	99	0.00E+00	219	0.00E+00

EOCR TEST 4 NRC STAB E 7/9/75 0559-0649 MST

GAS F AVERAGE WINDS: SPEED 3.1 M/S ;DIRECTION 20. DEGREES
SOURCE STRENGTH 0.9498 GM/S RELEASED GROUND

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
228.	38	3.40E-03	98	3.26E-05	218	0.00E+00	278	1.94E-05
234.	39	1.37E-03	99	0.00E+00	219	0.00E+00	279	2.44E-05
240.	40	1.70E-04	100	0.00E+00	220	2.39E-05	280	6.29E-05
264.	44	7.11E-06	104	0.00E+00	224	0.00E+00	284	0.00E+00
282.	47	2.79E-05	107	0.00E+00	227	0.00E+00	287	0.00E+00
306.	51	3.17E-05	111	0.00E+00	231	0.00E+00	291	0.00E+00

GAS B AVERAGE WINDS: SPEED 4.5 M/S ;DIRECTION 15. DEGREES
SOURCE STRENGTH 0.1322 GM/S RELEASED ROOF

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
156.	26	6.66E-05	86	0.00E+00	206	0.00E+00	266	0.00E+00
162.	27	1.25E-04	87	0.00E+00	207	0.00E+00	267	0.00E+00
168.	28	2.40E-04	88	0.00E+00	208	0.00E+00	268	0.00E+00
174.	29	2.75E-04	89	5.97E-05	209	0.00E+00	269	0.00E+00
180.	30	5.67E-04	90	2.51E-04	210	0.00E+00	270	0.00E+00
186.	31	6.06E-04	91	4.62E-04	211	1.19E-04	271	0.00E+00
192.	32	4.47E-04	92	5.56E-04	212	0.00E+00	272	0.00E+00
198.	33	5.70E-04	93	4.19E-04	213	9.52E-05	273	0.00E+00
204.	34	4.50E-04	94	3.05E-04	214	0.00E+00	274	0.00E+00
210.	35	0.00E+00	95	1.70E-04	215	1.72E-05	275	0.00E+00
222.	37	1.75E-04	97	0.00E+00	217	0.00E+00	277	0.00E+00
228.	38	8.42E-05	98	0.00E+00	218	0.00E+00	278	0.00E+00

EDCR TEST 5 NRC STAB A 7/18/75 1007-1107 MST

GAS S AVERAGE WINDS: SPEED 9.8 M/S ;DIRECTION 247. DEGREES
SOURCE STRENGTH 0.0750 GM/S RELEASED STACK

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M	
	GLN	CONC	GLN	CONC	GLN	CONC
6.	1	3.96E-05	61	0.00E+00	181	0.00E+00
12.	2	6.90E-05	62	0.00E+00	182	0.00E+00
18.	3	9.95E-05	63	8.95E-06	183	0.00E+00
24.	4	2.28E-04	64	4.89E-05	184	0.00E+00
30.	5	6.78E-04	65	1.62E-04	185	0.00E+00
36.	6	7.05E-04	66	3.94E-04	186	0.00E+00
42.	7	1.03E-03	67	7.26E-04	187	5.25E-05
48.	8	1.12E-03	68	1.26E-03	188	8.82E-05
54.	9	0.00E+00	69	0.00E+00	189	1.33E-04
60.	10	2.15E-03	70	1.98E-03	190	1.86E-04
66.	11	0.00E+00	71	0.00E+00	191	1.37E-04
72.	12	2.12E-03	72	1.83E-03	192	1.61E-04
78.	13	2.30E-03	73	1.46E-03	193	8.17E-05
84.	14	0.00E+00	74	7.85E-04	194	2.84E-05
90.	15	0.00E+00	75	3.87E-04	195	6.70E-06
96.	16	4.48E-04	76	1.25E-04	196	0.00E+00
102.	17	3.78E-04	77	4.91E-05	197	0.00E+00
108.	18	2.68E-04	78	1.19E-05	198	0.00E+00
114.	19	2.00E-04	79	0.00E+00	199	0.00E+00
120.	20	1.58E-04	80	0.00E+00	200	0.00E+00
126.	21	1.13E-04	81	0.00E+00	201	0.00E+00
132.	22	5.84E-05	82	0.00E+00	202	0.00E+00
138.	23	3.44E-05	83	0.00E+00	203	0.00E+00
144.	24	8.12E-06	84	0.00E+00	204	0.00E+00

GAS F AVERAGE WINDS: SPEED 7.4 M/S ;DIRECTION 246. DEGREES
SOURCE STRENGTH 0.6696 GM/S RELEASED GROUND

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M	
	GLN	CONC	GLN	CONC	GLN	CONC
6.	1	1.59E-03	61	0.00E+00	181	0.00E+00
12.	2	1.81E-03	62	0.00E+00	182	2.15E-05
18.	3	1.81E-03	63	1.35E-04	183	3.57E-05
24.	4	1.94E-03	64	3.47E-04	184	0.00E+00
30.	5	1.84E-03	65	4.38E-04	185	7.62E-05
36.	6	1.76E-03	66	4.91E-04	186	0.00E+00
42.	7	1.56E-03	67	4.48E-04	187	7.44E-05
48.	8	1.24E-03	68	5.60E-04	188	7.02E-05
60.	10	1.17E-03	70	6.49E-04	190	1.04E-04
66.	11	0.00E+00	71	0.00E+00	191	7.48E-05
72.	12	1.49E-03	72	1.00E-03	192	1.18E-04

EDCR TEST 5 NRC STAB A 7/18/75 1007-1107 MST

GAS B AVERAGE WINDS: SPEED 8.8 M/S ;DIRECTION 247. DEGREES
SOURCE STRENGTH 0.1346 GM/S RELEASED ROOF

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M	
	GLN	CONC	GLN	CONC	GLN	CONC
18.	3	8.22E-05	63	0.00E+00	183	0.00E+00
24.	4	1.38E-04	64	0.00E+00	184	0.00E+00
30.	5	2.67E-04	65	7.62E-05	185	0.00E+00
36.	6	2.69E-04	66	1.67E-04	186	0.00E+00
42.	7	3.63E-04	67	2.22E-04	187	0.00E+00
48.	8	3.85E-04	68	3.78E-04	188	0.00E+00
60.	10	7.00E-04	70	5.54E-04	190	5.35E-05
66.	11	0.00E+00	71	0.00E+00	191	6.24E-05
72.	12	8.96E-04	72	6.73E-04	192	5.61E-05
78.	13	9.31E-04	73	4.58E-04	193	0.00E+00
84.	14	0.00E+00	74	2.56E-04	194	0.00E+00
90.	15	0.00E+00	75	1.86E-04	195	0.00E+00
96.	16	2.66E-04	76	6.49E-05	196	0.00E+00
102.	17	2.54E-04	77	2.77E-05	197	0.00E+00
108.	18	1.74E-04	78	0.00E+00	198	0.00E+00
114.	19	1.32E-04	79	0.00E+00	199	0.00E+00
120.	20	7.73E-05	80	0.00E+00	200	0.00E+00
126.	21	1.52E-04	81	0.00E+00	201	0.00E+00
132.	22	1.71E-05	82	0.00E+00	202	0.00E+00
138.	23	1.22E-05	83	0.00E+00	203	0.00E+00
180.	30	2.24E-05	90	0.00E+00	210	0.00E+00

EDCR TEST 5 NRC STAB A 7/18/75 1007-1107 MST

GAS F AVERAGE WINDS: SPEED 7.4 M/S ;DIRECTION 246. DEGREES
SOURCE STRENGTH 0.6696 GM/S RELEASED GROUND

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M	
	GLN	CONC	GLN	CONC	GLN	CONC
78.	13	1.52E-03	73	8.96E-04	193	6.18E-05
84.	14	0.00E+00	74	9.20E-04	194	9.70E-06
90.	15	0.00E+00	75	1.07E-03	195	3.05E-05
96.	16	2.37E-03	76	9.69E-04	196	4.39E-05
102.	17	2.52E-03	77	8.48E-04	197	8.00E-05
108.	18	2.88E-03	78	4.88E-04	198	1.11E-04
114.	19	3.03E-03	79	2.31E-04	199	2.84E-05
120.	20	3.91E-03	80	2.01E-05	200	0.00E+00
126.	21	3.71E-03	81	3.39E-04	201	0.00E+00
132.	22	5.39E-03	82	0.00E+00	202	0.00E+00
138.	23	5.73E-03	83	0.00E+00	203	0.00E+00
144.	24	6.97E-03	84	0.00E+00	204	0.00E+00
150.	25	6.03E-03	85	0.00E+00	205	0.00E+00
156.	26	4.71E-03	86	0.00E+00	206	0.00E+00
162.	27	4.90E-03	87	0.00E+00	207	0.00E+00
168.	28	2.94E-03	88	0.00E+00	208	0.00E+00
174.	29	1.71E-03	89	0.00E+00	209	0.00E+00
180.	30	8.88E-05	90	0.00E+00	210	0.00E+00
186.	31	2.95E-04	91	0.00E+00	211	0.00E+00
192.	32	7.31E-05	92	0.00E+00	212	0.00E+00
198.	33	5.46E-05	93	0.00E+00	213	0.00E+00
204.	34	5.58E-05	94	0.00E+00	214	0.00E+00
210.	35	2.07E-03	95	0.00E+00	215	0.00E+00
216.	36	5.34E-05	96	0.00E+00	216	0.00E+00
222.	37	4.81E-05	97	0.00E+00	217	0.00E+00
228.	38	6.28E-05	98	0.00E+00	218	0.00E+00
246.	41	2.47E-05	101	0.00E+00	221	0.00E+00
258.	43	7.38E-05	103	0.00E+00	223	0.00E+00
264.	44	9.81E-05	104	0.00E+00	224	0.00E+00
270.	45	7.49E-05	105	0.00E+00	225	0.00E+00
276.	46	1.81E-04	106	0.00E+00	226	0.00E+00
282.	47	2.83E-04	107	0.00E+00	227	0.00E+00
288.	48	6.90E-05	108	0.00E+00	228	0.00E+00
294.	49	1.72E-04	109	0.00E+00	229	0.00E+00
300.	50	1.47E-04	110	0.00E+00	230	0.00E+00
306.	51	3.02E-04	111	0.00E+00	231	0.00E+00
312.	52	4.26E-04	112	0.00E+00	232	0.00E+00
318.	53	7.10E-04	113	0.00E+00	233	0.00E+00
324.	54	9.42E-04	114	0.00E+00	234	0.00E+00
336.	56	1.41E-03	116	0.00E+00	236	0.00E+00
342.	57	1.28E-03	117	0.00E+00	237	0.00E+00
348.	58	1.19E-03	118	0.00E+00	238	0.00E+00

EDCR TEST 6 NRC STAB D 7/21/75 0624-0724 MST

GAS S AVERAGE WINDS: SPEED 2.8 M/S ;DIRECTION 42. DEGREES
SOURCE STRENGTH 0.1086 GM/S RELEASED STACK

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
90.	15	8.80E-06	75	0.00E+00	195	0.00E+00	255	0.00E+00
96.	16	2.43E-06	76	0.00E+00	196	0.00E+00	256	0.00E+00
114.	19	3.89E-06	79	0.00E+00	199	0.00E+00	259	0.00E+00
126.	21	1.35E-05	81	0.00E+00	201	0.00E+00	261	0.00E+00
132.	22	2.91E-05	82	0.00E+00	202	0.00E+00	262	0.00E+00
138.	23	0.00E+00	83	1.40E-06	203	0.00E+00	263	0.00E+00
144.	24	8.91E-05	84	0.00E+00	204	0.00E+00	264	0.00E+00
150.	25	0.00E+00	85	8.21E-06	205	0.00E+00	265	0.00E+00
156.	26	2.38E-04	86	2.55E-05	206	0.00E+00	266	0.00E+00
162.	27	2.45E-04	87	4.32E-05	207	0.00E+00	267	0.00E+00
168.	28	2.70E-04	88	2.78E-04	208	1.70E-05	268	0.00E+00
174.	29	3.21E-04	89	1.91E-04	209	4.77E-05	269	7.43E-06
180.	30	0.00E+00	90	0.00E+00	210	5.59E-05	270	1.28E-05
186.	31	2.36E-04	91	3.25E-04	211	6.52E-05	271	2.31E-05
192.	32	0.00E+00	92	2.16E-04	212	6.34E-05	272	2.26E-05
198.	33	0.00E+00	93	1.63E-04	213	3.75E-05	273	1.33E-05
204.	34	1.45E-04	94	1.08E-04	214	2.85E-05	274	1.85E-05
210.	35	0.00E+00	95	9.39E-05	215	2.38E-05	275	1.70E-05
216.	36	1.47E-04	96	0.00E+00	216	4.87E-05	276	1.44E-05
222.	37	1.36E-04	97	8.45E-05	217	0.00E+00	277	1.84E-05
228.	38	1.12E-04	98	8.17E-05	218	3.47E-05	278	1.36E-05
234.	39	8.99E-05	99	0.00E+00	219	2.80E-05	279	0.00E+00
240.	40	1.06E-04	100	9.23E-05	220	3.44E-05	280	1.27E-05
246.	41	1.02E-04	101	0.00E+00	221	2.80E-05	281	6.89E-06
252.	42	8.51E-05	102	9.40E-05	222	2.06E-05	282	1.29E-05
258.	43	7.41E-05	103	1.19E-04	223	4.36E-05	283	1.25E-05
264.	44	0.00E+00	104	1.20E-04	224	5.55E-05	284	1.72E-05
270.	45	0.00E+00	105	0.00E+00	225	4.18E-05	285	2.61E-05
276.	46	2.27E-05	106	4.46E-05	226	2.64E-05	286	3.24E-06
282.	47	8.55E-06	107	3.77E-05	227	0.00E+00	287	0.00E+00
288.	48	1.02E-05	108	0.00E+00	228	0.00E+00	288	0.00E+00
294.	49	6.89E-06	109	5.32E-06	229	1.40E-05	289	0.00E+00
300.	50	5.97E-06	110	1.45E-06	230	0.00E+00	290	0.00E+00
306.	51	1.09E-06	111	0.00E+00	231	0.00E+00	291	0.00E+00
342.	57	2.11E-06	117	0.00E+00	237	0.00E+00	297	0.00E+00

EOCR TEST 6 NRC STAB D 7/21/75 0624-0724 MST

GAS S AVERAGE WINDS: SPEED 2.8 M/S ;DIRECTION 42. DEGREES
SOURCE STRENGTH 0.1086 GM/S RELEASED STACK

TOWER SAMPLES

HEIGHT	TOWER 1		TOWER 2		TOWER 3		TOWER 4	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
0.5	610	0.00E+00	620	1.63E-04	630	0.00E+00	640	0.00E+00
7.5	611	4.09E-04	621	1.83E-04	631	0.00E+00	641	0.00E+00
15.0	612	4.34E-04	622	1.88E-04	632	0.00E+00	642	0.00E+00
23.0	613	5.91E-04	623	0.00E+00	633	0.00E+00	643	0.00E+00
30.5	614	0.00E+00	624	2.65E-04	634	0.00E+00	644	0.00E+00

HEIGHT	TOWER 5		TOWER 6	
	GLN	CONC	GLN	CONC
0.5	650	5.59E-05	660	3.75E-05
7.5	651	5.56E-05	661	4.03E-05
15.0	652	4.66E-05	662	1.77E-06
23.0	653	4.43E-05	663	4.74E-05
30.5	654	3.54E-05	664	5.22E-05

GAS F AVERAGE WINDS: SPEED 1.8 M/S ;DIRECTION 48. DEGREES
SOURCE STRENGTH 0.6178 GM/S RELEASED GROUND

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
6.	1	3.38E-05	61	1.44E-05	181	0.00E+00	241	0.00E+00
12.	2	9.72E-06	62	0.00E+00	182	0.00E+00	242	0.00E+00
30.	5	2.46E-05	65	0.00E+00	185	0.00E+00	245	0.00E+00
48.	8	3.80E-06	68	0.00E+00	188	0.00E+00	248	0.00E+00
54.	9	8.98E-06	69	0.00E+00	189	0.00E+00	249	0.00E+00
60.	10	5.69E-06	70	0.00E+00	190	0.00E+00	250	0.00E+00
72.	12	3.82E-06	72	0.00E+00	192	0.00E+00	252	0.00E+00
96.	16	1.53E-05	76	0.00E+00	196	0.00E+00	256	0.00E+00
114.	19	6.49E-06	79	0.00E+00	199	0.00E+00	259	0.00E+00
126.	21	1.72E-05	81	0.00E+00	201	0.00E+00	261	0.00E+00
132.	22	5.17E-05	82	0.00E+00	202	3.47E-06	262	1.93E-04
138.	23	0.00E+00	83	4.82E-04	203	0.00E+00	263	0.00E+00
144.	24	1.18E-04	84	1.88E-05	204	2.06E-05	264	0.00E+00
150.	25	0.00E+00	85	4.57E-05	205	6.21E-05	265	0.00E+00
156.	26	2.63E-04	86	0.00E+00	206	4.82E-06	266	0.00E+00
162.	27	3.84E-04	87	5.57E-05	207	8.49E-06	267	0.00E+00
168.	28	4.96E-04	88	1.35E-04	208	2.45E-05	268	0.00E+00
174.	29	1.06E-03	89	1.58E-04	209	0.00E+00	269	0.00E+00
180.	30	0.00E+00	90	0.00E+00	210	5.73E-05	270	1.34E-05
186.	31	1.53E-03	91	3.48E-04	211	4.89E-05	271	2.29E-05
192.	32	0.00E+00	92	4.58E-04	212	5.17E-05	272	1.37E-05
198.	33	0.00E+00	93	4.22E-04	213	1.79E-05	273	0.00E+00
204.	34	2.75E-03	94	3.18E-04	214	3.89E-05	274	1.30E-05

EOCR TEST 6 NRC STAB D 7/21/75 0624-0724 MST

GAS B AVERAGE WINDS: SPEED 2.6 M/S ;DIRECTION 42. DEGREES
SOURCE STRENGTH 0.1346 GM/S RELEASED ROOF

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
42.	7	1.54E-03	67	0.00E+00	187	0.00E+00	247	0.00E+00
48.	8	1.92E-04	68	0.00E+00	188	0.00E+00	248	0.00E+00
96.	16	2.25E-03	76	0.00E+00	196	0.00E+00	256	0.00E+00
132.	22	8.81E-06	82	0.00E+00	202	1.59E-06	262	7.89E-04
138.	23	0.00E+00	83	3.76E-04	203	0.00E+00	263	0.00E+00
144.	24	3.24E-05	84	0.00E+00	204	0.00E+00	264	0.00E+00
156.	26	1.55E-04	86	7.08E-06	206	0.00E+00	266	0.00E+00
162.	27	1.65E-04	87	2.07E-05	207	0.00E+00	267	0.00E+00
168.	28	2.48E-04	88	7.96E-05	208	0.00E+00	268	0.00E+00
174.	29	2.62E-04	89	1.00E-04	209	0.00E+00	269	0.00E+00
180.	30	0.00E+00	90	0.00E+00	210	2.09E-05	270	0.00E+00
186.	31	3.07E-04	91	1.63E-04	211	1.69E-05	271	0.00E+00
192.	32	0.00E+00	92	1.27E-04	212	2.09E-05	272	0.00E+00
198.	33	0.00E+00	93	1.20E-04	213	0.00E+00	273	0.00E+00
204.	34	1.76E-04	94	8.30E-05	214	8.39E-06	274	4.73E-06
210.	35	0.00E+00	95	6.51E-05	215	0.00E+00	275	1.38E-05
216.	36	1.48E-04	96	0.00E+00	216	1.65E-05	276	0.00E+00
222.	37	1.27E-04	97	5.11E-05	217	0.00E+00	277	0.00E+00
228.	38	1.19E-04	98	3.24E-05	218	1.98E-05	278	1.36E-05
234.	39	9.78E-05	99	0.00E+00	219	8.48E-06	279	0.00E+00
240.	40	1.20E-04	100	5.13E-05	220	9.48E-06	280	6.79E-06
246.	41	1.25E-04	101	0.00E+00	221	1.17E-05	281	0.00E+00
252.	42	1.11E-04	102	6.18E-05	222	0.00E+00	282	0.00E+00
258.	43	9.13E-05	103	7.81E-05	223	2.81E-05	283	0.00E+00
264.	44	0.00E+00	104	4.67E-05	224	1.73E-05	284	0.00E+00
270.	45	0.00E+00	105	0.00E+00	225	1.14E-05	285	0.00E+00
276.	46	3.01E-05	106	3.82E-05	226	7.94E-06	286	0.00E+00
282.	47	2.52E-06	107	2.43E-05	227	0.00E+00	287	0.00E+00
288.	48	1.12E-05	108	0.00E+00	228	0.00E+00	288	0.00E+00
294.	49	6.02E-06	109	1.27E-04	229	0.00E+00	289	0.00E+00
300.	50	2.04E-05	110	0.00E+00	230	0.00E+00	290	0.00E+00
306.	51	7.02E-06	111	0.00E+00	231	0.00E+00	291	0.00E+00
312.	52	5.29E-07	112	0.00E+00	232	0.00E+00	292	0.00E+00
336.	56	3.02E-04	116	0.00E+00	236	0.00E+00	296	0.00E+00

TOWER SAMPLES

HEIGHT	TOWER 1		TOWER 2		TOWER 3		TOWER 4	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
0.5	610	0.00E+00	620	1.20E-04	630	0.00E+00	640	0.00E+00
7.5	611	1.77E-04	621	1.41E-04	631	0.00E+00	641	0.00E+00
15.0	612	1.56E-04	622	1.54E-04	632	0.00E+00	642	0.00E+00
23.0	613	1.47E-04	623	0.00E+00	633	0.00E+00	643	0.00E+00

EOCR TEST 6 NRC STAB D 7/21/75 0624-0724 MST

GAS F AVERAGE WINDS: SPEED 1.8 M/S ;DIRECTION 48. DEGREES
SOURCE STRENGTH 0.6178 GM/S RELEASED GROUND

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
210.	35	0.00E+00	95	2.57E-04	215	1.62E-05	275	2.15E-05
216.	36	3.18E-03	96	0.00E+00	216	5.78E-05	276	1.95E-05
222.	37	2.92E-03	97	2.65E-04	217	0.00E+00	277	0.00E+00
228.	38	2.34E-03	98	2.49E-04	218	3.17E-05	278	4.62E-05
234.	39	1.39E-03	99	0.00E+00	219	1.81E-05	279	0.00E+00
240.	40	9.82E-04	100	2.09E-04	220	1.20E-05	280	8.15E-06
246.	41	5.26E-04	101	0.00E+00	221	1.67E-05	281	2.14E-05
252.	42	3.78E-04	102	1.64E-04	222	1.16E-05	282	0.00E+00
258.	43	2.53E-04	103	2.07E-04	223	3.40E-05	283	2.82E-05
264.	44	0.00E+00	104	2.32E-04	224	4.15E-05	284	4.59E-06
270.	45	0.00E+00	105	0.00E+00	225	4.81E-05	285	1.85E-05
276.	46	1.34E-04	106	1.42E-04	226	3.81E-05	286	0.00E+00
282.	47	1.04E-04	107	6.95E-05	227	0.00E+00	287	0.00E+00
288.	48	1.23E-04	108	0.00E+00	228	0.00E+00	288	9.37E-06
294.	49	3.76E-05	109	2.06E-04	229	7.05E-06	289	2.88E-05
300.	50	7.88E-05	110	2.23E-05	230	0.00E+00	290	6.00E-06
306.	51	4.70E-06	111	2.27E-05	231	4.21E-06	291	0.00E+00
312.	52	6.35E-06	112	0.00E+00	232	0.00E+00	292	0.00E+00
318.	53	0.00E+00	113	1.15E-05	233	0.00E+00	293	0.00E+00
324.	54	1.11E-05	114	1.31E-05	234	0.00E+00	294	0.00E+00
330.	55	1.99E-05	115	1.15E-05	235	0.00E+00	295	0.00E+00
342.	57	3.91E-05	117	0.00E+00	237	0.00E+00	297	0.00E+00
348.	58	0.00E+00	118	1.71E-05	238	0.00E+00	298	0.00E+00
354.	59	0.00E+00	119	8.42E-06	239	0.00E+00	299	0.00E+00
360.	60	0.00E+00	120	1.71E-06	240	0.00E+00	300	0.00E+00

TOWER SAMPLES

HEIGHT	TOWER 1		TOWER 2		TOWER 3		TOWER 4	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
0.5	610	0.00E+00	620	4.22E-04	630	0.00E+00	640	0.00E+00
7.5	611	2.65E-04	621	3.52E-04	631	0.00E+00	641	0.00E+00
15.0	612	2.44E-04	622	3.44E-04	632	0.00E+00	642	0.00E+00
23.0	613	1.97E-04	623	0.00E+00	633	0.00E+00	643	0.00E+00
30.5	614	0.00E+00	624	2.09E-04	634	0.00E+00	644	0.00E+00

HEIGHT	TOWER 5		TOWER 6	
	GLN	CONC	GLN	CONC
0.5	650	5.73E-05	660	1.79E-05
7.5	651	2.14E-05	661	3.48E-05
15.0	652	1.53E-05	662	9.62E-05
23.0	653	3.65E-05	663	2.81E-05
30.5	654	2.81E-05	664	3.96E-05

EOCR TEST 6 NRC STAB D 7/21/75 0624-0724 MST

GAS B AVERAGE WINDS: SPEED 2.6 M/S ;DIRECTION 42. DEGREES
SOURCE STRENGTH 0.1346 GM/S RELEASED ROOF

TOWER SAMPLES

HEIGHT	TOWER 1		TOWER 2		TOWER 3		TOWER 4	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
30.5	614	0.00E+00	624	1.50E-04	634	0.00E+00	644	0.00E+00

HEIGHT	TOWER 5		TOWER 6	
	GLN	CONC	GLN	CONC
0.5	650	2.09E-05	660	0.00E+00
7.5	651	1.89E-05	661	1.65E-05
15.0	652	1.50E-06	662	1.48E-04
23.0	653	1.41E-05	663	1.46E-05
30.5	654	7.27E-06	664	1.24E-05

EOCR TEST 7 NRC STAB G 7/22/75 0543-0630 MST

GAS S AVERAGE WINDS: SPEED 0.7 M/S ;DIRECTION 0. DEGREES
SOURCE STRENGTH 0.0898 GM/S RELEASED STACK

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
6.	1	8.86E-06	61	5.01E-06	181	0.00E+00	241	0.00E+00
12.	2	5.05E-06	62	1.74E-06	182	0.00E+00	242	0.00E+00
18.	3	7.79E-06	63	1.58E-06	183	0.00E+00	243	0.00E+00
24.	4	1.40E-06	64	0.00E+00	184	0.00E+00	244	0.00E+00
30.	5	8.95E-06	65	0.00E+00	185	0.00E+00	245	0.00E+00
36.	6	1.72E-05	66	5.63E-07	186	0.00E+00	246	0.00E+00
42.	7	5.56E-05	67	1.14E-06	187	0.00E+00	247	0.00E+00
48.	8	1.79E-05	68	1.13E-06	188	0.00E+00	248	0.00E+00
54.	9	1.24E-04	69	1.29E-06	189	0.00E+00	249	0.00E+00
60.	10	0.00E+00	70	2.04E-06	190	0.00E+00	250	0.00E+00
66.	11	2.21E-04	71	6.63E-06	191	0.00E+00	251	0.00E+00
72.	12	0.00E+00	72	2.53E-05	192	0.00E+00	252	0.00E+00
78.	13	2.87E-04	73	6.51E-05	193	0.00E+00	253	0.00E+00
84.	14	2.37E-04	74	1.15E-04	194	0.00E+00	254	0.00E+00
90.	15	4.91E-05	75	9.45E-05	195	0.00E+00	255	0.00E+00
96.	16	3.94E-04	76	4.53E-05	196	0.00E+00	256	0.00E+00
102.	17	1.74E-04	77	2.61E-05	197	0.00E+00	257	0.00E+00
108.	18	0.00E+00	78	4.18E-05	198	0.00E+00	258	0.00E+00
114.	19	1.88E-04	79	5.84E-05	199	0.00E+00	259	0.00E+00
120.	20	0.00E+00	80	7.34E-05	200	0.00E+00	260	0.00E+00
126.	21	1.09E-04	81	0.00E+00	201	0.00E+00	261	0.00E+00
132.	22	6.56E-05	82	5.40E-05	202	3.45E-06	262	1.00E-06
138.	23	2.16E-05	83	1.06E-06	203	1.61E-06	263	0.00E+00
144.	25	7.21E-06	85	1.91E-06	205	6.31E-07	265	0.00E+00
156.	26	1.60E-06	86	1.89E-06	206	3.54E-07	266	0.00E+00
162.	27	2.98E-06	87	7.88E-07	207	3.87E-07	267	0.00E+00
168.	28	1.56E-06	88	0.00E+00	208	2.36E-07	268	0.00E+00
174.	29	0.00E+00	89	0.00E+00	209	3.93E-07	269	5.94E-07
180.	30	7.55E-07	90	3.62E-07	210	6.19E-07	270	4.85E-07
186.	31	6.74E-07	91	0.00E+00	211	0.00E+00	271	4.33E-07
192.	32	0.00E+00	92	0.00E+00	212	0.00E+00	272	8.86E-07
198.	33	9.91E-07	93	3.86E-07	213	0.00E+00	273	4.22E-07
204.	34	0.00E+00	94	0.00E+00	214	0.00E+00	274	9.02E-06
210.	35	5.10E-07	95	0.00E+00	215	0.00E+00	275	0.00E+00
228.	38	7.49E-07	98	0.00E+00	218	0.00E+00	278	0.00E+00
234.	39	7.57E-07	99	0.00E+00	219	0.00E+00	279	0.00E+00
240.	40	2.19E-06	100	0.00E+00	220	0.00E+00	280	0.00E+00
246.	41	2.84E-06	101	0.00E+00	221	0.00E+00	281	0.00E+00
252.	42	5.66E-06	102	0.00E+00	222	0.00E+00	282	3.90E-06
258.	43	6.55E-06	103	0.00E+00	223	0.00E+00	283	0.00E+00
264.	44	9.03E-06	104	0.00E+00	224	0.00E+00	284	0.00E+00
270.	45	1.16E-05	105	2.74E-07	225	0.00E+00	285	0.00E+00
276.	46	1.64E-05	106	5.06E-06	226	0.00E+00	286	0.00E+00

EOCR TEST 7 NRC STAB G 7/22/75 0543-0630 MST

GAS F AVERAGE WINDS: SPEED 0.5 M/S ;DIRECTION 0. DEGREES
SOURCE STRENGTH 0.6233 GM/S RELEASED GROUND

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
42.	7	2.44E-03	67	1.31E-05	187	0.00E+00	247	0.00E+00
48.	8	9.51E-04	68	1.91E-05	188	0.00E+00	248	0.00E+00
54.	9	2.04E-03	69	1.91E-05	189	0.00E+00	249	0.00E+00
60.	10	0.00E+00	70	1.98E-05	190	0.00E+00	250	0.00E+00
66.	11	1.73E-03	71	3.92E-05	191	0.00E+00	251	0.00E+00
72.	12	0.00E+00	72	1.31E-04	192	0.00E+00	252	0.00E+00
78.	13	1.89E-03	73	2.35E-04	193	0.00E+00	253	0.00E+00
84.	14	1.95E-03	74	1.37E-04	194	0.00E+00	254	0.00E+00
90.	15	1.93E-04	75	1.20E-04	195	0.00E+00	255	0.00E+00
96.	16	7.98E-04	76	1.27E-04	196	0.00E+00	256	0.00E+00
102.	17	2.77E-04	77	1.32E-04	197	0.00E+00	257	0.00E+00
108.	18	0.00E+00	78	2.00E-04	198	0.00E+00	258	0.00E+00
114.	19	1.27E-04	79	2.00E-04	199	0.00E+00	259	0.00E+00
120.	20	0.00E+00	80	1.21E-04	200	0.00E+00	260	0.00E+00
126.	21	3.57E-05	81	0.00E+00	201	0.00E+00	261	0.00E+00
132.	22	2.92E-05	82	2.81E-05	202	0.00E+00	262	1.19E-06
138.	23	3.57E-06	83	0.00E+00	203	0.00E+00	263	2.26E-06
150.	25	2.84E-06	85	0.00E+00	205	4.11E-07	265	4.17E-07
156.	26	0.00E+00	86	0.00E+00	206	0.00E+00	266	1.25E-06
162.	27	1.38E-06	87	0.00E+00	207	0.00E+00	267	2.35E-06
168.	28	0.00E+00	88	0.00E+00	208	0.00E+00	268	2.45E-06
174.	29	0.00E+00	89	6.43E-07	209	0.00E+00	269	1.55E-07
180.	30	1.10E-06	90	0.00E+00	210	0.00E+00	270	7.31E-07
186.	31	0.00E+00	91	0.00E+00	211	3.05E-06	271	4.77E-06
192.	32	0.00E+00	92	0.00E+00	212	1.54E-06	272	0.00E+00
198.	33	4.36E-06	93	0.00E+00	213	3.44E-06	273	5.64E-06
210.	35	2.82E-06	95	0.00E+00	215	0.00E+00	275	4.10E-06
228.	38	2.11E-06	98	0.00E+00	218	0.00E+00	278	6.81E-06
234.	39	0.00E+00	99	0.00E+00	219	0.00E+00	279	3.30E-06
240.	40	3.70E-06	100	0.00E+00	220	0.00E+00	280	3.77E-06
246.	41	1.43E-06	101	0.00E+00	221	0.00E+00	281	1.16E-06
252.	42	9.87E-06	102	0.00E+00	222	0.00E+00	282	3.39E-05
258.	43	7.81E-06	103	4.32E-07	223	0.00E+00	283	0.00E+00
264.	44	1.59E-05	104	0.00E+00	224	0.00E+00	284	0.00E+00
270.	45	1.30E-05	105	0.00E+00	225	0.00E+00	285	6.75E-06
276.	46	2.48E-05	106	2.31E-06	226	3.97E-06	286	1.30E-06
282.	47	2.76E-05	107	2.93E-06	227	0.00E+00	287	0.00E+00
288.	48	0.00E+00	108	0.00E+00	228	0.00E+00	288	1.87E-06
294.	49	1.56E-04	109	1.28E-05	229	0.00E+00	289	0.00E+00
300.	50	0.00E+00	110	3.94E-05	230	0.00E+00	290	0.00E+00
306.	51	3.10E-04	111	3.51E-05	231	0.00E+00	291	0.00E+00
312.	52	3.66E-04	112	2.15E-05	232	0.00E+00	292	0.00E+00
318.	53	3.76E-04	113	3.47E-05	233	0.00E+00	293	0.00E+00

EOCR TEST 7 NRC STAB G 7/22/75 0543-0630 MST

GAS S AVERAGE WINDS: SPEED 0.7 M/S ;DIRECTION 0. DEGREES
SOURCE STRENGTH 0.0898 GM/S RELEASED STACK

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
282.	47	2.11E-05	107	6.68E-06	227	0.00E+00	287	1.18E-06
288.	48	0.00E+00	108	0.00E+00	228	1.55E-06	288	1.15E-06
294.	49	1.98E-05	109	1.49E-05	229	3.10E-06	289	0.00E+00
300.	50	0.00E+00	110	1.78E-05	230	5.27E-06	290	3.29E-06
306.	51	1.35E-05	111	9.74E-06	231	8.36E-06	291	3.87E-06
312.	52	1.15E-05	112	7.33E-06	232	0.00E+00	292	0.00E+00
318.	53	8.13E-06	113	8.77E-06	233	0.00E+00	293	0.00E+00
324.	54	9.03E-06	114	9.79E-06	234	0.00E+00	294	0.00E+00
330.	55	9.04E-06	115	5.90E-06	235	0.00E+00	295	0.00E+00
336.	56	1.32E-05	116	6.13E-06	236	0.00E+00	296	0.00E+00
342.	57	0.00E+00	117	3.06E-06	237	0.00E+00	297	0.00E+00
348.	58	1.62E-05	118	5.76E-06	238	0.00E+00	298	0.00E+00
354.	59	1.27E-05	119	7.91E-06	239	0.00E+00	299	0.00E+00
360.	60	7.80E-06	120	8.62E-06	240	0.00E+00	300	0.00E+00

TOWER SAMPLES

HEIGHT	TOWER 1		TOWER 2		TOWER 3		TOWER 4	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
0.5	610	3.62E-07	620	3.86E-07	630	0.00E+00	640	0.00E+00
7.5	611	1.04E-06	621	1.76E-06	631	9.12E-07	641	2.06E-06
15.0	612	1.78E-05	622	4.34E-07	632	8.68E-07	642	2.06E-06
23.0	613	3.07E-05	623	7.32E-06	633	5.33E-06	643	1.99E-06
30.5	614	0.00E+00	624	0.00E+00	634	0.00E+00	644	3.38E-06

HEIGHT	TOWER 5		TOWER 6	
	GLN	CONC	GLN	CONC
0.5	650	6.19E-07	660	0.00E+00
7.5	651	0.00E+00	661	4.43E-07
23.0	653	0.00E+00	663	2.26E-06

GAS F AVERAGE WINDS: SPEED 0.5 M/S ;DIRECTION 0. DEGREES
SOURCE STRENGTH 0.6233 GM/S RELEASED GROUND

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
6.	1	4.77E-04	61	1.79E-05	181	0.00E+00	241	0.00E+00
12.	2	2.24E-04	62	3.19E-06	182	0.00E+00	242	0.00E+00
18.	3	2.84E-04	63	6.84E-06	183	0.00E+00	243	0.00E+00
24.	4	1.41E-04	64	0.00E+00	184	0.00E+00	244	0.00E+00
30.	5	1.34E-03	65	0.00E+00	185	0.00E+00	245	0.00E+00
36.	6	1.87E-03	66	4.34E-06	186	0.00E+00	246	0.00E+00

EOCR TEST 7 NRC STAB G 7/22/75 0543-0630 MST

GAS F AVERAGE WINDS: SPEED 0.5 M/S ;DIRECTION 0. DEGREES
SOURCE STRENGTH 0.6233 GM/S RELEASED GROUND

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
324.	54	4.54E-04	114	4.53E-05	234	0.00E+00	294	0.00E+00
330.	55	4.14E-04	115	2.42E-05	235	0.00E+00	295	0.00E+00
336.	56	5.03E-04	116	4.39E-05	236	0.00E+00	296	0.00E+00
342.	57	0.00E+00	117	1.02E-05	237	0.00E+00	297	0.00E+00
348.	58	4.39E-04	118	3.18E-05	238	0.00E+00	298	0.00E+00
354.	59	3.29E-04	119	3.14E-05	239	0.00E+00	299	0.00E+00
360.	60	4.49E-04	120	3.42E-05	240	0.00E+00	300	0.00E+00

TOWER SAMPLES

HEIGHT	TOWER 1		TOWER 2		TOWER 3		TOWER 4	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
7.5	611	2.44E-06	621	3.82E-06	631	0.00E+00	641	0.00E+00
15.0	612	2.44E-06	622	4.18E-06	632	4.23E-06	642	3.93E-06
23.0	613	0.00E+00	623	2.46E-06	633	0.00E+00	643	5.34E-06
30.5	614	0.00E+00	624	0.00E+00	634	6.02E-06	644	3.24E-06

HEIGHT	TOWER 5		TOWER 6	
	GLN	CONC	GLN	CONC
0.5	650	0.00E+00	660	3.44E-06
7.5	651	0.00E+00	661	2.85E-06

GAS B AVERAGE WINDS: SPEED 0.6 M/S ;DIRECTION 0. DEGREES
SOURCE STRENGTH 0.1393 GM/S RELEASED ROOF

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
6.	1	7.54E-06	61	2.84E-06	181	0.00E+00	241	0.00E+00
12.	2	1.12E-05	62	0.00E+00	182	0.00E+00	242	0.00E+00
18.	3	7.29E-05	63	0.00E+00	183	0.00E+00	243	0.00E+00
24.	4	6.73E-06	64	0.00E+00	184	0.00E+00	244	0.00E+00
30.	5	1.21E-05	65	0.00E+00	185	0.00E+00	245	0.00E+00
36.	6	5.07E-06	66	1.02E-05	186	0.00E+00	246	0.00E+00
42.	7	1.20E-04	67	0.00E+00	187	0.00E+00	247	0.00E+00
48.	8	2.41E-05	68	0.00E+00	188	0.00E+00	248	0.00E+00
54.	9	5.78E-05	69	0.00E+00	189	0.00E+00	249	0.00E+00
66.	11	1.14E-04	71	2.76E-06	191	0.00E+00	251	0.00E+00
72.	12	0.00E+00	72	9.95E-06	192	0.00E+00	252	0.00E+00
78.	13	2.25E-04	73	2.85E-05	193	0.00E+00	253	0.00E+00
84.	14	1.59E-04	74	5.17E-05	194	0.00E+00	254	0.00E+00
90.	15	9.01E-05	75	5.60E-05	195	0.00E+00	255	0.00E+00
96.	16	4.94E-04	76	3.23E-05	196	0.00E+00	256	0.00E+00

EOCR TEST 7 NRC STAB G 7/22/75 0543-0630 MST

GAS B AVERAGE WINDS: SPEED 0.6 M/S ;DIRECTION 0. DEGREES
SOURCE STRENGTH 0.1393 GM/S RELEASED ROOF

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
102.	17	2.53E-04	77	3.03E-05	197	0.00E+00	257	0.00E+00
108.	18	0.00E+00	78	4.09E-05	198	0.00E+00	258	0.00E+00
114.	19	2.45E-04	79	4.10E-05	199	0.00E+00	259	0.00E+00
120.	20	0.00E+00	80	5.28E-05	200	0.00E+00	260	0.00E+00
126.	21	1.12E-04	81	0.00E+00	201	0.00E+00	261	0.00E+00
132.	22	7.70E-05	82	2.71E-05	202	2.74E-06	262	1.98E-06
138.	23	2.93E-05	83	1.03E-06	203	0.00E+00	263	3.60E-06
150.	25	1.19E-05	85	3.46E-06	205	1.40E-06	265	2.08E-06
156.	26	3.28E-06	86	6.91E-07	206	5.01E-07	266	0.00E+00
162.	27	4.71E-06	87	0.00E+00	207	0.00E+00	267	3.25E-06
168.	28	2.45E-06	88	0.00E+00	208	0.00E+00	268	4.55E-06
174.	29	0.00E+00	89	4.70E-06	209	4.99E-06	269	0.00E+00
180.	30	0.00E+00	90	0.00E+00	210	3.70E-06	270	7.58E-07
186.	31	0.00E+00	91	3.64E-06	211	1.65E-05	271	2.15E-05
192.	32	0.00E+00	92	0.00E+00	212	1.72E-06	272	0.00E+00
198.	33	5.13E-06	93	0.00E+00	213	1.63E-05	273	8.71E-07
204.	34	0.00E+00	94	0.00E+00	214	2.52E-06	274	1.23E-05
216.	36	0.00E+00	96	0.00E+00	216	0.00E+00	276	1.32E-04
228.	38	2.37E-06	98	0.00E+00	218	0.00E+00	278	3.57E-06
240.	40	2.93E-06	100	0.00E+00	220	0.00E+00	280	0.00E+00
246.	41	0.00E+00	101	0.00E+00	221	0.00E+00	281	2.99E-06
252.	42	1.46E-05	102	0.00E+00	222	0.00E+00	282	2.91E-05
258.	43	8.35E-06	103	0.00E+00	223	0.00E+00	283	0.00E+00
264.	44	1.33E-05	104	0.00E+00	224	0.00E+00	284	0.00E+00
270.	45	1.80E-05	105	0.00E+00	225	0.00E+00	285	2.79E-06
276.	46	3.29E-05	106	2.91E-06	226	1.41E-05	286	0.00E+00
282.	47	4.16E-05	107	6.96E-06	227	0.00E+00	287	3.47E-05
288.	48	0.00E+00	108	0.00E+00	228	0.00E+00	288	1.71E-05
294.	49	2.66E-05	109	1.25E-05	229	0.00E+00	289	0.00E+00
300.	50	0.00E+00	110	1.13E-05	230	0.00E+00	290	0.00E+00
306.	51	1.55E-05	111	3.09E-06	231	1.76E-05	291	1.56E-06
312.	52	1.29E-05	112	3.54E-06	232	0.00E+00	292	0.00E+00
318.	53	8.74E-06	113	1.00E-05	233	0.00E+00	293	0.00E+00
324.	54	7.67E-06	114	7.75E-06	234	0.00E+00	294	0.00E+00
330.	55	4.33E-06	115	1.32E-06	235	0.00E+00	295	0.00E+00
336.	56	1.26E-05	116	4.76E-06	236	0.00E+00	296	0.00E+00
348.	58	9.28E-06	118	4.27E-06	238	0.00E+00	298	0.00E+00
354.	59	9.80E-06	119	1.71E-06	239	0.00E+00	299	0.00E+00
360.	60	0.00E+00	120	7.84E-06	240	0.00E+00	300	0.00E+00

EOCR TEST 7 NRC STAB G 7/22/75 0543-0630 MST

GAS B AVERAGE WINDS: SPEED 0.6 M/S ;DIRECTION 0. DEGREES
SOURCE STRENGTH 0.1393 GM/S RELEASED ROOF

TOWER SAMPLES

HEIGHT	TOWER 1		TOWER 2		TOWER 3		TOWER 4	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
7.5	611	6.76E-07	621	4.74E-06	631	0.00E+00	641	0.00E+00
15.0	612	7.61E-06	622	2.02E-05	632	0.00E+00	642	0.00E+00
23.0	613	2.06E-06	623	2.62E-06	633	0.00E+00	643	1.83E-06
30.5	614	0.00E+00	624	0.00E+00	634	3.96E-06	644	0.00E+00

HEIGHT	TOWER 5		TOWER 6	
	GLN	CONC	GLN	CONC
0.5	650	3.70E-06	660	1.63E-05
7.5	651	0.00E+00	661	6.15E-07

EDCR TEST 8 NRC STAB F 7/24/78 0348-0417 MST

GAS S AVERAGE WINDS: SPEED 1.8 M/S ;DIRECTION 345. DEGREES
SOURCE STRENGTH 0.0933 GM/S RELEASED STACK

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
30.	5	5.36E-06	65	0.00E+00	185	0.00E+00	245	0.00E+00
36.	6	1.47E-05	66	0.00E+00	186	0.00E+00	246	0.00E+00
42.	7	4.09E-05	67	0.00E+00	187	0.00E+00	247	0.00E+00
48.	8	6.09E-05	68	0.00E+00	188	0.00E+00	248	0.00E+00
54.	9	8.61E-05	69	1.39E-06	189	0.00E+00	249	0.00E+00
60.	10	7.95E-05	70	3.24E-06	190	0.00E+00	250	0.00E+00
66.	11	1.51E-04	71	2.85E-06	191	0.00E+00	251	0.00E+00
72.	12	1.79E-04	72	2.58E-05	192	0.00E+00	252	0.00E+00
78.	13	1.16E-04	73	6.52E-05	193	0.00E+00	253	0.00E+00
84.	14	2.00E-04	74	0.00E+00	194	0.00E+00	254	0.00E+00
90.	15	1.85E-04	75	2.40E-04	195	0.00E+00	255	0.00E+00
96.	16	1.94E-04	76	2.10E-04	196	0.00E+00	256	0.00E+00
102.	17	1.41E-04	77	0.00E+00	197	0.00E+00	257	0.00E+00
108.	18	1.10E-04	78	0.00E+00	198	0.00E+00	258	0.00E+00
114.	19	9.37E-05	79	0.00E+00	199	0.00E+00	259	0.00E+00
120.	20	1.22E-04	80	2.59E-05	200	0.00E+00	260	0.00E+00
126.	21	7.79E-05	81	6.82E-06	201	0.00E+00	261	0.00E+00
132.	22	8.45E-05	82	3.71E-06	202	1.47E-05	262	2.00E-06
138.	23	7.47E-05	83	2.28E-05	203	1.30E-05	263	0.00E+00
144.	24	7.17E-05	84	3.13E-05	204	0.00E+00	264	0.00E+00
150.	25	7.72E-05	85	9.76E-06	205	5.84E-06	265	2.15E-06
156.	26	7.68E-05	86	4.35E-05	206	4.42E-06	266	1.19E-06
162.	27	7.25E-05	87	8.31E-05	207	1.65E-06	267	0.00E+00
168.	28	6.01E-05	88	8.52E-05	208	0.00E+00	268	0.00E+00
174.	29	6.95E-05	89	3.25E-05	209	9.31E-07	269	0.00E+00
180.	30	3.90E-05	90	0.00E+00	210	0.00E+00	270	0.00E+00
186.	31	0.00E+00	91	0.00E+00	211	1.33E-06	271	0.00E+00
192.	32	6.14E-06	92	0.00E+00	212	0.00E+00	272	0.00E+00
198.	33	0.00E+00	93	2.98E-06	213	0.00E+00	273	0.00E+00
204.	34	3.64E-06	94	0.00E+00	214	0.00E+00	274	0.00E+00
216.	36	1.34E-06	96	0.00E+00	216	0.00E+00	276	0.00E+00
294.	49	0.00E+00	109	8.43E-07	229	0.00E+00	289	0.00E+00

TOWER SAMPLES

HEIGHT	TOWER 1		TOWER 2		TOWER 3		TOWER 4	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
0.5	610	0.00E+00	620	2.98E-06	630	0.00E+00	640	0.00E+00
7.5	611	0.00E+00	621	5.51E-06	631	1.91E-04	641	0.00E+00
15.0	612	0.00E+00	622	1.64E-05	632	1.69E-04	642	0.00E+00
23.0	613	0.00E+00	623	1.39E-05	633	1.47E-04	643	0.00E+00
30.5	614	0.00E+00	624	1.95E-05	634	4.46E-06	644	0.00E+00

EDCR TEST 8 NRC STAB F 7/24/78 0348-0417 MST

GAS F AVERAGE WINDS: SPEED 0.9 M/S ;DIRECTION 305. DEGREES
SOURCE STRENGTH 0.6269 GM/S RELEASED GROUND

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
192.	32	1.20E-05	92	0.00E+00	212	1.54E-05	272	0.00E+00
198.	33	0.00E+00	93	1.29E-05	213	1.81E-06	273	2.09E-05
204.	34	0.00E+00	94	7.95E-06	214	7.83E-06	274	6.76E-06
210.	35	0.00E+00	95	1.48E-05	215	2.92E-06	275	5.75E-06
216.	36	1.02E-05	96	0.00E+00	216	2.25E-05	276	1.09E-05
222.	37	6.39E-06	97	8.52E-06	217	9.95E-06	277	0.00E+00
228.	38	0.00E+00	98	0.00E+00	218	8.53E-06	278	5.65E-06
234.	39	3.87E-06	99	2.16E-05	219	6.74E-06	279	0.00E+00
240.	40	9.33E-06	100	7.65E-06	220	3.62E-06	280	1.41E-05
246.	41	9.53E-06	101	8.99E-06	221	0.00E+00	281	1.56E-05
252.	42	2.52E-05	102	6.00E-06	222	0.00E+00	282	0.00E+00
258.	43	1.41E-05	103	4.03E-03	223	0.00E+00	283	0.00E+00
264.	44	2.49E-05	104	5.07E-06	224	0.00E+00	284	0.00E+00
270.	45	1.26E-05	105	0.00E+00	225	0.00E+00	285	0.00E+00
276.	46	2.37E-05	106	0.00E+00	226	0.00E+00	286	0.00E+00
282.	47	2.34E-06	107	9.11E-06	227	0.00E+00	287	0.00E+00
288.	48	6.51E-06	108	7.04E-06	228	0.00E+00	288	0.00E+00
294.	49	4.85E-06	109	3.82E-05	229	0.00E+00	289	0.00E+00
300.	50	1.79E-05	110	7.52E-06	230	0.00E+00	290	0.00E+00
306.	51	5.52E-06	111	1.31E-05	231	0.00E+00	291	0.00E+00
312.	52	7.07E-06	112	6.95E-06	232	0.00E+00	292	0.00E+00
324.	54	1.39E-06	114	1.31E-05	234	0.00E+00	294	0.00E+00
330.	55	1.16E-05	115	4.58E-06	235	0.00E+00	295	0.00E+00
336.	56	0.00E+00	116	2.34E-05	236	0.00E+00	296	0.00E+00
342.	57	1.51E-05	117	0.00E+00	237	0.00E+00	297	0.00E+00
348.	58	0.00E+00	118	1.60E-05	238	0.00E+00	298	0.00E+00
354.	59	0.00E+00	119	8.81E-06	239	0.00E+00	299	0.00E+00
360.	60	3.85E-06	120	0.00E+00	240	0.00E+00	300	0.00E+00

TOWER SAMPLES

HEIGHT	TOWER 1		TOWER 2		TOWER 3		TOWER 4	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
0.5	610	0.00E+00	620	1.29E-05	630	0.00E+00	640	0.00E+00
7.5	611	0.00E+00	621	0.00E+00	631	2.63E-05	641	0.00E+00
15.0	612	0.00E+00	622	0.00E+00	632	5.87E-05	642	0.00E+00
23.0	613	0.00E+00	623	0.00E+00	633	1.62E-05	643	0.00E+00
30.5	614	0.00E+00	624	8.22E-06	634	6.20E-06	644	0.00E+00

EDCR TEST 8 NRC STAB F 7/24/78 0348-0417 MST

GAS S AVERAGE WINDS: SPEED 1.8 M/S ;DIRECTION 345. DEGREES
SOURCE STRENGTH 0.0933 GM/S RELEASED STACK

TOWER SAMPLES

HEIGHT	TOWER 5		TOWER 6	
	GLN	CONC	GLN	CONC
7.5	651	5.57E-05	661	0.00E+00
15.0	652	8.18E-05	662	2.22E-06
23.0	653	7.24E-05	663	6.67E-06
30.5	654	6.69E-05	664	0.00E+00

GAS F AVERAGE WINDS: SPEED 0.9 M/S ;DIRECTION 305. DEGREES
SOURCE STRENGTH 0.6269 GM/S RELEASED GROUND

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
6.	1	5.64E-06	61	0.00E+00	181	0.00E+00	241	0.00E+00
12.	2	1.15E-06	62	0.00E+00	182	0.00E+00	242	0.00E+00
18.	3	6.22E-06	63	5.33E-06	183	0.00E+00	243	0.00E+00
24.	4	7.76E-05	64	8.96E-06	184	0.00E+00	244	0.00E+00
30.	5	1.72E-03	65	2.66E-05	185	0.00E+00	245	0.00E+00
36.	6	3.78E-03	66	4.60E-06	186	0.00E+00	246	0.00E+00
42.	7	4.94E-03	67	1.01E-05	187	0.00E+00	247	0.00E+00
48.	8	4.87E-03	68	6.09E-06	188	0.00E+00	248	0.00E+00
54.	9	5.06E-03	69	5.72E-05	189	0.00E+00	249	0.00E+00
60.	10	4.39E-03	70	7.90E-05	190	0.00E+00	250	0.00E+00
66.	11	4.36E-03	71	3.41E-05	191	0.00E+00	251	0.00E+00
72.	12	5.15E-03	72	3.97E-04	192	0.00E+00	252	0.00E+00
78.	13	3.91E-03	73	5.83E-04	193	0.00E+00	253	0.00E+00
84.	14	4.12E-03	74	0.00E+00	194	0.00E+00	254	0.00E+00
90.	15	9.00E-04	75	4.36E-04	195	0.00E+00	255	0.00E+00
96.	16	4.00E-04	76	2.92E-04	196	0.00E+00	256	0.00E+00
102.	17	4.07E-04	77	0.00E+00	197	0.00E+00	257	0.00E+00
108.	18	1.93E-04	78	0.00E+00	198	0.00E+00	258	0.00E+00
114.	19	3.18E-04	79	0.00E+00	199	0.00E+00	259	0.00E+00
120.	20	3.52E-04	80	1.06E-04	200	0.00E+00	260	0.00E+00
126.	21	2.72E-04	81	1.44E-04	201	0.00E+00	261	0.00E+00
132.	22	1.63E-04	82	1.58E-04	202	3.82E-05	262	0.00E+00
138.	23	7.78E-05	83	2.72E-04	203	2.84E-05	263	0.00E+00
144.	24	6.39E-05	84	3.63E-04	204	1.54E-05	264	0.00E+00
150.	25	1.68E-05	85	6.02E-05	205	3.99E-05	265	3.18E-06
156.	26	5.47E-06	86	1.39E-04	206	1.55E-05	266	0.00E+00
162.	27	1.13E-05	87	6.23E-05	207	0.00E+00	267	0.00E+00
168.	28	4.19E-06	88	1.80E-05	208	1.21E-05	268	0.00E+00
174.	29	6.52E-06	89	6.29E-06	209	2.71E-06	269	0.00E+00
180.	30	1.59E-06	90	0.00E+00	210	1.91E-05	270	4.85E-06
186.	31	0.00E+00	91	1.38E-05	211	0.00E+00	271	5.57E-06

EDCR TEST 8 NRC STAB F 7/24/78 0348-0417 MST

GAS F AVERAGE WINDS: SPEED 0.9 M/S ;DIRECTION 305. DEGREES
SOURCE STRENGTH 0.6269 GM/S RELEASED GROUND

TOWER SAMPLES

HEIGHT	TOWER 5		TOWER 6	
	GLN	CONC	GLN	CONC
0.5	650	1.91E-05	660	1.81E-06
7.5	651	0.00E+00	661	7.96E-06
15.0	652	1.35E-05	662	2.70E-06
23.0	653	8.79E-06	663	1.01E-05
30.5	654	0.00E+00	664	1.09E-05

GAS B AVERAGE WINDS: SPEED 1.8 M/S ;DIRECTION 345. DEGREES
SOURCE STRENGTH 0.1354 GM/S RELEASED ROOF

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
18.	3	8.58E-05	63	2.48E-03	183	0.00E+00	243	0.00E+00
24.	4	0.00E+00	64	2.41E-06	184	0.00E+00	244	0.00E+00
30.	5	0.00E+00	65	1.13E-05	185	0.00E+00	245	0.00E+00
36.	6	0.00E+00	66	2.09E-05	186	0.00E+00	246	0.00E+00
42.	7	2.71E-05	67	4.47E-04	187	0.00E+00	247	0.00E+00
48.	8	3.63E-05	68	1.60E-05	188	0.00E+00	248	0.00E+00
54.	9	5.61E-05	69	1.29E-05	189	0.00E+00	249	0.00E+00
60.	10	5.65E-05	70	8.15E-05	190	0.00E+00	250	0.00E+00
66.	11	1.51E-04	71	7.55E-04	191	0.00E+00	251	0.00E+00
72.	12	1.35E-04	72	2.34E-05	192	0.00E+00	252	0.00E+00
78.	13	9.01E-05	73	2.63E-04	193	0.00E+00	253	0.00E+00
84.	14	1.93E-04	74	0.00E+00	194	0.00E+00	254	0.00E+00
90.	15	3.94E-04	75	2.32E-04	195	0.00E+00	255	0.00E+00
96.	16	2.99E-04	76	3.61E-04	196	0.00E+00	256	0.00E+00
102.	17	2.19E-04	77	0.00E+00	197	0.00E+00	257	0.00E+00
108.	18	1.71E-04	78	0.00E+00	198	0.00E+00	258	0.00E+00
114.	19	2.16E-04	79	0.00E+00	199	0.00E+00	259	0.00E+00
120.	20	2.14E-04	80	8.45E-05	200	0.00E+00	260	0.00E+00
126.	21	1.30E-04	81	7.43E-04	201	0.00E+00	261	0.00E+00
132.	22	1.37E-04	82	2.75E-07	202	5.46E-05	262	1.75E-05
138.	23	1.55E-04	83	5.45E-05	203	0.00E+00	263	0.00E+00
144.	24	1.11E-04	84	7.02E-05	204	1.09E-03	264	0.00E+00
150.	25	1.45E-04	85	1.81E-03	205	2.11E-05	265	1.56E-05
156.	26	1.79E-04	86	1.39E-04	206	2.10E-05	266	0.00E+00
162.	27	2.03E-04	87	1.14E-04	207	1.43E-06	267	0.00E+00
168.	28	1.68E-04	88	3.81E-03	208	8.44E-04	268	0.00E+00
174.	29	1.15E-04	89	1.50E-03	209	2.03E-05	269	0.00E+00
180.	30	2.18E-04	90	0.00E+00	210	6.35E-06	270	1.89E-04
186.	31	0.00E+00	91	5.09E-04	211	0.00E+00	271	7.48E-05
192.	32	2.00E-05	92	0.00E+00	212	1.83E-05	272	0.00E+00

EOCR TEST 8 NRC STAB F 7/24/78 0348-0417 MST

GAS 8 AVERAGE WINDS: SPEED 1.8 M/S ;DIRECTION 345. DEGREES
SOURCE STRENGTH 0.1354 GM/S RELEASED ROOF

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
198.	33	0.00E+00	93	5.53E-05	213	6.95E-06	273	2.24E-05
204.	34	3.43E-03	94	3.21E-03	214	1.24E-05	274	0.00E+00
210.	35	0.00E+00	95	3.17E-05	215	5.25E-05	275	4.70E-04
216.	36	1.22E-05	96	7.27E-04	216	4.23E-05	276	2.05E-05
222.	37	2.62E-03	97	2.33E-05	217	0.00E+00	277	4.49E-05
228.	38	0.00E+00	98	0.00E+00	218	1.56E-05	278	1.42E-04
234.	39	0.00E+00	99	3.77E-05	219	0.00E+00	279	0.00E+00
240.	40	4.81E-05	100	1.17E-03	220	1.58E-04	280	7.86E-05
246.	41	0.00E+00	101	4.69E-06	221	0.00E+00	281	0.00E+00
252.	42	1.73E-05	102	9.84E-04	222	0.00E+00	282	0.00E+00
258.	43	4.01E-05	103	0.00E+00	223	0.00E+00	283	0.00E+00
264.	44	5.30E-06	104	1.15E-04	224	0.00E+00	284	0.00E+00
276.	46	1.96E-04	106	0.00E+00	226	0.00E+00	286	0.00E+00
282.	47	2.15E-03	107	0.00E+00	227	0.00E+00	287	0.00E+00
288.	48	1.83E-05	108	5.88E-04	228	0.00E+00	288	0.00E+00
300.	50	3.91E-03	110	3.09E-04	230	0.00E+00	290	0.00E+00
306.	51	4.57E-04	111	0.00E+00	231	0.00E+00	291	0.00E+00
318.	53	0.00E+00	113	1.17E-05	233	0.00E+00	293	0.00E+00
324.	54	1.36E-04	114	0.00E+00	234	0.00E+00	294	0.00E+00
330.	55	2.05E-05	115	1.54E-05	235	0.00E+00	295	0.00E+00
336.	56	4.04E-03	116	7.65E-06	236	0.00E+00	296	0.00E+00
342.	57	3.49E-05	117	1.03E-03	237	0.00E+00	297	0.00E+00
348.	58	0.00E+00	118	4.38E-05	238	0.00E+00	298	0.00E+00
354.	59	2.93E-03	119	7.22E-06	239	0.00E+00	299	0.00E+00
360.	60	4.23E-05	120	0.00E+00	240	0.00E+00	300	0.00E+00

TOWER SAMPLES

HEIGHT	TOWER 1		TOWER 2		TOWER 3		TOWER 4	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
0.5	610	0.00E+00	620	5.53E-05	630	0.00E+00	640	0.00E+00
7.5	611	0.00E+00	621	1.79E-04	631	1.20E-04	641	0.00E+00
15.0	612	0.00E+00	622	5.57E-05	632	8.73E-05	642	0.00E+00
23.0	613	0.00E+00	623	5.07E-05	633	1.23E-04	643	0.00E+00
30.5	614	0.00E+00	624	1.57E-03	634	1.20E-03	644	0.00E+00

HEIGHT	TOWER 5		TOWER 6	
	GLN	CONC	GLN	CONC
0.5	650	6.35E-06	660	6.95E-06
7.5	651	3.24E-05	661	0.00E+00
15.0	652	3.73E-05	662	0.00E+00
23.0	653	3.58E-05	663	1.07E-04
30.5	654	2.58E-05	664	1.38E-03

EOCR TEST 9 NRC STAB G 7/28/78 0503-0603 MST

GAS S AVERAGE WINDS: SPEED 4.1 M/S ;DIRECTION 31. DEGREES
SOURCE STRENGTH 0.1016 GM/S RELEASED STACK

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
114.	19	0.00E+00	79	1.78E-06	199	0.00E+00	259	0.00E+00
120.	20	0.00E+00	80	1.71E-05	200	0.00E+00	260	0.00E+00
126.	21	0.00E+00	81	2.32E-05	201	4.57E-06	261	0.00E+00
132.	22	0.00E+00	82	4.90E-05	202	1.34E-05	262	0.00E+00
138.	23	0.00E+00	83	5.99E-05	203	3.85E-05	263	1.37E-05
144.	24	0.00E+00	84	0.00E+00	204	1.41E-05	264	1.93E-05
150.	25	0.00E+00	85	1.78E-04	205	1.08E-05	265	1.29E-05
156.	26	0.00E+00	86	2.22E-04	206	1.36E-05	266	0.00E+00
162.	27	0.00E+00	87	1.77E-04	207	1.71E-05	267	0.00E+00
168.	28	0.00E+00	88	1.85E-04	208	0.00E+00	268	3.65E-06
174.	29	0.00E+00	89	2.06E-04	209	0.00E+00	269	0.00E+00
180.	30	0.00E+00	90	2.70E-04	210	1.24E-05	270	0.00E+00
186.	31	0.00E+00	91	1.96E-04	211	1.22E-05	271	9.27E-06
192.	32	0.00E+00	92	1.89E-04	212	0.00E+00	272	0.00E+00
198.	33	0.00E+00	93	9.33E-05	213	1.50E-05	273	5.02E-06
204.	34	0.00E+00	94	7.68E-05	214	0.00E+00	274	2.21E-06
210.	35	0.00E+00	95	7.29E-05	215	2.31E-05	275	2.36E-05
216.	36	0.00E+00	96	0.00E+00	216	1.77E-05	276	0.00E+00
222.	37	0.00E+00	97	1.38E-05	217	0.00E+00	277	6.62E-06
228.	38	0.00E+00	98	4.45E-05	218	0.00E+00	278	0.00E+00
234.	39	0.00E+00	99	2.41E-05	219	1.22E-06	279	1.81E-06
240.	40	0.00E+00	100	8.51E-06	220	0.00E+00	280	1.64E-06
246.	41	0.00E+00	101	4.75E-06	221	0.00E+00	281	5.54E-06
252.	42	0.00E+00	102	3.83E-06	222	0.00E+00	282	0.00E+00
258.	43	0.00E+00	103	2.18E-06	223	0.00E+00	283	0.00E+00
276.	46	0.00E+00	106	1.12E-06	226	4.23E-07	286	0.00E+00

GAS F AVERAGE WINDS: SPEED 1.9 M/S ;DIRECTION 3. DEGREES
SOURCE STRENGTH 0.6274 GM/S RELEASED GROUND

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
72.	12	0.00E+00	72	5.20E-05	192	4.07E-05	252	0.00E+00
78.	13	0.00E+00	73	8.89E-05	193	0.00E+00	253	0.00E+00
84.	14	0.00E+00	74	6.13E-05	194	1.71E-05	254	0.00E+00
90.	15	0.00E+00	75	0.00E+00	195	0.00E+00	255	3.79E-05
96.	16	0.00E+00	76	1.15E-04	196	0.00E+00	256	0.00E+00
102.	17	0.00E+00	77	9.11E-05	197	0.00E+00	257	3.95E-05
108.	18	0.00E+00	78	3.36E-05	198	2.95E-05	258	5.16E-06
114.	19	0.00E+00	79	1.22E-04	199	2.85E-05	259	1.48E-05
120.	20	0.00E+00	80	2.83E-04	200	5.82E-05	260	7.36E-06

EOCR TEST 9 NRC STAB G 7/28/78 0503-0603 MST

GAS F AVERAGE WINDS: SPEED 1.9 M/S ;DIRECTION 3. DEGREES
SOURCE STRENGTH 0.6274 GM/S RELEASED GROUND

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
126.	21	0.00E+00	81	5.17E-04	201	6.35E-05	261	1.06E-05
132.	22	0.00E+00	82	6.81E-04	202	8.21E-05	262	5.16E-06
138.	23	0.00E+00	83	4.33E-04	203	4.33E-05	263	1.44E-05
144.	24	0.00E+00	84	0.00E+00	204	1.49E-05	264	8.59E-06
150.	25	0.00E+00	85	6.09E-04	205	7.25E-05	265	3.18E-05
156.	26	0.00E+00	86	5.53E-04	206	6.38E-05	266	2.69E-06
162.	27	0.00E+00	87	4.32E-04	207	4.45E-05	267	9.85E-06
168.	28	0.00E+00	88	3.34E-04	208	0.00E+00	268	6.13E-06
174.	29	0.00E+00	89	2.69E-04	209	0.00E+00	269	1.09E-05
180.	30	0.00E+00	90	2.26E-04	210	9.66E-05	270	0.00E+00
186.	31	0.00E+00	91	1.27E-04	211	5.33E-05	271	8.03E-05
192.	32	0.00E+00	92	2.03E-04	212	0.00E+00	272	3.96E-06
198.	33	0.00E+00	93	1.99E-04	213	7.29E-05	273	4.55E-05
204.	34	0.00E+00	94	1.50E-04	214	0.00E+00	274	0.00E+00
210.	35	0.00E+00	95	9.60E-05	215	5.98E-05	275	5.08E-05
216.	36	0.00E+00	96	0.00E+00	216	2.43E-05	276	0.00E+00
222.	37	0.00E+00	97	2.35E-05	217	0.00E+00	277	0.00E+00
228.	38	0.00E+00	98	9.73E-05	218	0.00E+00	278	9.82E-06
234.	39	0.00E+00	99	1.64E-04	219	2.98E-05	279	5.95E-05
240.	40	0.00E+00	100	1.10E-04	220	0.00E+00	280	6.66E-05
246.	41	0.00E+00	101	4.96E-05	221	0.00E+00	281	0.00E+00
252.	42	0.00E+00	102	5.87E-05	222	0.00E+00	282	5.86E-06
258.	43	0.00E+00	103	1.78E-05	223	4.15E-05	283	1.82E-05
264.	44	0.00E+00	104	3.68E-05	224	5.60E-06	284	0.00E+00
270.	45	0.00E+00	105	2.90E-05	225	5.41E-05	285	6.19E-05
276.	46	0.00E+00	106	4.90E-05	226	1.92E-05	286	9.61E-06
282.	47	0.00E+00	107	3.38E-05	227	3.46E-06	287	3.62E-06
288.	48	0.00E+00	108	2.26E-05	228	1.10E-06	288	1.35E-05
294.	49	0.00E+00	109	1.15E-05	229	0.00E+00	289	0.00E+00
300.	50	0.00E+00	110	1.28E-05	230	1.15E-05	290	2.65E-06
306.	51	0.00E+00	111	4.29E-05	231	4.26E-06	291	0.00E+00

GAS B AVERAGE WINDS: SPEED 3.9 M/S ;DIRECTION 31. DEGREES
SOURCE STRENGTH 0.1371 GM/S RELEASED ROOF

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
96.	16	0.00E+00	76	0.00E+00	196	0.00E+00	256	3.20E-05
108.	18	0.00E+00	78	1.62E-05	198	0.00E+00	258	0.00E+00
114.	19	0.00E+00	79	4.84E-06	199	0.00E+00	259	4.18E-05
120.	20	0.00E+00	80	0.00E+00	200	2.75E-05	260	0.00E+00

EOCR TEST 9 NRC STAB G 7/28/78 0503-0603 MST

GAS B AVERAGE WINDS: SPEED 3.9 M/S ;DIRECTION 31. DEGREES
SOURCE STRENGTH 0.1371 GM/S RELEASED ROOF

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
126.	21	0.00E+00	81	1.34E-05	201	0.00E+00	261	5.75E-05
132.	22	0.00E+00	82	5.06E-05	202	0.00E+00	262	0.00E+00
138.	23	0.00E+00	83	7.89E-05	203	2.33E-05	263	0.00E+00
144.	24	0.00E+00	84	0.00E+00	204	0.00E+00	264	2.30E-06
150.	25	0.00E+00	85	1.70E-04	205	0.00E+00	265	4.52E-05
156.	26	0.00E+00	86	1.60E-04	206	0.00E+00	266	2.78E-05
162.	27	0.00E+00	87	1.50E-04	207	0.00E+00	267	4.24E-05
168.	28	0.00E+00	88	1.32E-04	208	0.00E+00	268	3.62E-05
174.	29	0.00E+00	89	1.83E-04	209	0.00E+00	269	2.66E-05
180.	30	0.00E+00	90	1.81E-04	210	0.00E+00	270	0.00E+00
186.	31	0.00E+00	91	1.26E-04	211	4.66E-06	271	0.00E+00
192.	32	0.00E+00	92	1.16E-04	212	0.00E+00	272	8.35E-06
198.	33	0.00E+00	93	6.02E-05	213	0.00E+00	273	0.00E+00
204.	34	0.00E+00	94	3.76E-05	214	0.00E+00	274	0.00E+00
210.	35	0.00E+00	95	3.03E-05	215	8.48E-06	275	5.00E-06
222.	37	0.00E+00	97	7.39E-05	217	0.00E+00	277	0.00E+00
228.	38	0.00E+00	98	1.72E-05	218	0.00E+00	278	5.10E-05
234.	39	0.00E+00	99	1.33E-05	219	0.00E+00	279	5.78E-07
246.	41	0.00E+00	101	0.00E+00	221	0.00E+00	281	2.04E-05
276.	46	0.00E+00	106	0.00E+00	226	0.00E+00	286	2.60E-05
294.	49	0.00E+00	109	1.08E-04	229	0.00E+00	289	0.00E+00

EOCR TEST 10 NRC STAB A 7/31/75 1024-1107 MST

GAS S AVERAGE WINDS: SPEED 3.8 M/S ;DIRECTION 13. DEGREES
SOURCE STRENGTH 0.1113 GM/S RELEASED STACK

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
12.	2	0.00E+00	62	0.00E+00	182	5.84E-06	242	0.00E+00
18.	3	0.00E+00	63	9.23E-05	183	3.96E-06	243	0.00E+00
24.	4	0.00E+00	64	8.86E-05	184	9.26E-06	244	0.00E+00
30.	5	0.00E+00	65	7.53E-05	185	7.61E-06	245	1.03E-06
36.	6	0.00E+00	66	7.29E-05	186	7.13E-06	246	6.67E-07
42.	7	0.00E+00	67	1.41E-04	187	4.80E-06	247	0.00E+00
48.	8	0.00E+00	68	1.05E-04	188	0.00E+00	248	0.00E+00
54.	9	0.00E+00	69	2.40E-04	189	1.39E-05	249	2.81E-06
60.	10	0.00E+00	70	0.00E+00	190	7.03E-06	250	0.00E+00
66.	11	0.00E+00	71	0.00E+00	191	4.57E-06	251	0.00E+00
72.	12	0.00E+00	72	1.22E-05	192	1.86E-06	252	0.00E+00
78.	13	0.00E+00	73	8.22E-05	193	0.00E+00	253	0.00E+00
84.	14	0.00E+00	74	1.77E-05	194	0.00E+00	254	0.00E+00
96.	16	0.00E+00	76	4.18E-06	196	0.00E+00	256	0.00E+00
102.	17	0.00E+00	77	1.32E-06	197	0.00E+00	257	0.00E+00
252.	42	0.00E+00	102	2.06E-06	222	0.00E+00	282	0.00E+00
300.	50	0.00E+00	110	1.75E-06	230	0.00E+00	290	0.00E+00
306.	51	0.00E+00	111	2.74E-06	231	0.00E+00	291	0.00E+00
312.	52	0.00E+00	112	1.00E-05	232	0.00E+00	292	0.00E+00
318.	53	0.00E+00	113	2.53E-05	233	2.09E-06	293	0.00E+00
324.	54	0.00E+00	114	5.64E-06	234	3.98E-06	294	0.00E+00
330.	55	0.00E+00	115	3.66E-05	235	0.00E+00	295	0.00E+00
336.	56	0.00E+00	116	8.96E-05	236	0.00E+00	296	0.00E+00
342.	57	0.00E+00	117	7.09E-05	237	3.13E-06	297	0.00E+00
348.	58	0.00E+00	118	9.12E-05	238	0.00E+00	298	8.06E-07
354.	59	0.00E+00	119	1.30E-04	239	2.24E-06	299	2.74E-06
360.	60	0.00E+00	120	8.83E-05	240	1.99E-05	300	0.00E+00

GAS F AVERAGE WINDS: SPEED 0.8 M/S ;DIRECTION 1. DEGREES
SOURCE STRENGTH 0.6200 GM/S RELEASED GROUND

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
6.	1	0.00E+00	61	0.00E+00	181	1.10E-06	241	5.85E-07
12.	2	0.00E+00	62	0.00E+00	182	8.78E-06	242	0.00E+00
18.	3	0.00E+00	63	4.67E-05	183	9.00E-06	243	0.00E+00
24.	4	0.00E+00	64	4.15E-05	184	0.00E+00	244	3.41E-06
30.	5	0.00E+00	65	4.66E-05	185	3.48E-06	245	0.00E+00
36.	6	0.00E+00	66	5.23E-05	186	0.00E+00	246	1.65E-05
42.	7	0.00E+00	67	8.39E-05	187	6.59E-06	247	0.00E+00
48.	8	0.00E+00	68	4.72E-05	188	3.81E-05	248	2.66E-06

EOCR TEST 10 NRC STAB A 7/31/75 1024-1107 MST

GAS F AVERAGE WINDS: SPEED 0.8 M/S ;DIRECTION 1. DEGREES
SOURCE STRENGTH 0.6200 GM/S RELEASED GROUND

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
54.	9	0.00E+00	69	6.70E-05	189	2.99E-05	249	1.46E-05
60.	10	0.00E+00	70	3.05E-05	190	0.00E+00	250	2.81E-06
66.	11	0.00E+00	71	0.00E+00	191	2.26E-06	251	2.36E-06
72.	12	0.00E+00	72	3.74E-06	192	1.56E-06	252	0.00E+00
78.	13	0.00E+00	73	1.81E-05	193	4.06E-07	253	0.00E+00
84.	14	0.00E+00	74	1.37E-06	194	6.06E-07	254	0.00E+00
90.	15	0.00E+00	75	1.30E-05	195	8.65E-07	255	0.00E+00
96.	16	0.00E+00	76	5.70E-06	196	7.00E-06	256	0.00E+00
102.	17	0.00E+00	77	2.60E-06	197	4.27E-07	257	0.00E+00
108.	18	0.00E+00	78	1.13E-06	198	1.13E-05	258	0.00E+00
114.	19	0.00E+00	79	3.10E-06	199	8.38E-06	259	0.00E+00
120.	20	0.00E+00	80	4.89E-05	200	6.92E-06	260	0.00E+00
126.	21	0.00E+00	81	2.30E-05	201	1.14E-05	261	0.00E+00
246.	41	0.00E+00	101	8.37E-06	221	0.00E+00	281	0.00E+00
258.	43	0.00E+00	103	1.64E-06	223	0.00E+00	283	0.00E+00
264.	44	0.00E+00	104	0.00E+00	224	3.02E-06	284	0.00E+00
270.	45	0.00E+00	105	5.51E-07	225	6.04E-06	285	8.80E-06
276.	46	0.00E+00	106	0.00E+00	226	3.83E-06	286	0.00E+00
282.	47	0.00E+00	107	2.65E-06	227	0.00E+00	287	6.66E-07
294.	49	0.00E+00	109	5.78E-06	229	0.00E+00	289	0.00E+00
300.	50	0.00E+00	110	0.00E+00	230	0.00E+00	290	9.36E-07
306.	51	0.00E+00	111	4.55E-06	231	0.00E+00	291	4.27E-06
312.	52	0.00E+00	112	0.00E+00	232	0.00E+00	292	1.05E-05
318.	53	0.00E+00	113	7.03E-06	233	2.98E-06	293	0.00E+00
324.	54	0.00E+00	114	6.45E-06	234	0.00E+00	294	1.57E-05
330.	55	0.00E+00	115	1.37E-05	235	4.00E-05	295	9.20E-06
336.	56	0.00E+00	116	1.79E-05	236	1.15E-06	296	1.35E-06
342.	57	0.00E+00	117	3.60E-05	237	3.88E-06	297	0.00E+00
348.	58	0.00E+00	118	2.81E-05	238	0.00E+00	298	2.28E-06
354.	59	0.00E+00	119	3.61E-05	239	7.71E-06	299	0.00E+00
360.	60	0.00E+00	120	2.47E-05	240	1.03E-05	300	0.00E+00

GAS B AVERAGE WINDS: SPEED 3.7 M/S ;DIRECTION 13. DEGREES
SOURCE STRENGTH 0.1388 GM/S RELEASED ROOF

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
18.	3	0.00E+00	63	7.68E-05	183	9.46E-06	243	0.00E+00
24.	4	0.00E+00	64	4.98E-05	184	0.00E+00	244	0.00E+00
30.	5	0.00E+00	65	2.84E-05	185	2.46E-05	245	0.00E+00
36.	6	0.00E+00	66	2.50E-05	186	0.00E+00	246	0.00E+00

EOCR TEST 10 NRC STAB A 7/31/75 1024-1107 MST

GAS B AVERAGE WINDS: SPEED 3.7 M/S ;DIRECTION 13. DEGREES
SOURCE STRENGTH 0.1388 GM/S RELEASED ROOF

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
42.	7	0.00E+00	67	4.14E-05	187	0.00E+00	247	0.00E+00
48.	8	0.00E+00	68	2.00E-05	188	4.09E-06	248	0.00E+00
54.	9	0.00E+00	69	5.03E-05	189	0.00E+00	249	0.00E+00
72.	12	0.00E+00	72	2.78E-06	192	0.00E+00	252	0.00E+00
78.	13	0.00E+00	73	3.44E-05	193	0.00E+00	253	0.00E+00
84.	14	0.00E+00	74	1.02E-05	194	0.00E+00	254	0.00E+00
120.	20	0.00E+00	80	2.47E-06	200	0.00E+00	260	0.00E+00
318.	53	0.00E+00	113	9.20E-06	233	0.00E+00	293	0.00E+00
330.	55	0.00E+00	115	1.13E-05	235	0.00E+00	295	0.00E+00
336.	56	0.00E+00	116	1.86E-05	236	0.00E+00	296	0.00E+00
342.	57	0.00E+00	117	5.65E-05	237	0.00E+00	297	0.00E+00
348.	58	0.00E+00	118	8.99E-05	238	0.00E+00	298	0.00E+00
354.	59	0.00E+00	119	6.91E-05	239	0.00E+00	299	0.00E+00
360.	60	0.00E+00	120	1.73E-05	240	0.00E+00	300	0.00E+00

EDCR TEST 11 NRC STAB A 8/12/75 1008-1035 MST

GAS S AVERAGE WINDS: SPEED 1.5 M/S ;DIRECTION 82. DEGREES
SOURCE STRENGTH 0.2184 GM/S RELEASED STACK

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
6.	1	0.00E+00	61	2.22E-07	181	0.00E+00	241	0.00E+00
24.	4	9.63E-08	64	9.45E-07	184	0.00E+00	244	0.00E+00
54.	9	0.00E+00	69	2.08E-07	189	0.00E+00	249	0.00E+00
60.	10	4.31E-07	70	0.00E+00	190	0.00E+00	250	0.00E+00
66.	11	0.00E+00	71	7.46E-08	191	0.00E+00	251	0.00E+00
78.	13	7.45E-07	73	1.01E-06	193	0.00E+00	253	0.00E+00
84.	14	0.00E+00	74	1.84E-06	194	0.00E+00	254	0.00E+00
96.	16	3.93E-07	76	2.00E-06	196	0.00E+00	256	0.00E+00
102.	17	0.00E+00	77	1.18E-07	197	0.00E+00	257	0.00E+00
114.	19	5.61E-07	79	3.30E-06	199	0.00E+00	259	0.00E+00
120.	20	0.00E+00	80	8.46E-08	200	0.00E+00	260	0.00E+00
132.	22	1.59E-07	82	1.79E-06	202	0.00E+00	262	0.00E+00
138.	23	0.00E+00	83	3.74E-07	203	0.00E+00	263	0.00E+00
144.	24	0.00E+00	84	1.75E-06	204	0.00E+00	264	0.00E+00
150.	25	4.78E-07	85	8.96E-07	205	0.00E+00	265	0.00E+00
156.	26	0.00E+00	86	7.47E-07	206	0.00E+00	266	0.00E+00
162.	27	0.00E+00	87	5.14E-07	207	0.00E+00	267	0.00E+00
168.	28	6.72E-07	88	1.89E-07	208	0.00E+00	268	0.00E+00
174.	29	0.00E+00	89	7.23E-07	209	0.00E+00	269	0.00E+00
180.	30	0.00E+00	90	2.75E-06	210	0.00E+00	270	0.00E+00
186.	31	3.60E-06	91	4.30E-06	211	0.00E+00	271	0.00E+00
192.	32	0.00E+00	92	3.55E-06	212	1.73E-07	272	0.00E+00
198.	33	0.00E+00	93	1.07E-06	213	0.00E+00	273	0.00E+00
204.	34	7.78E-07	94	7.50E-07	214	1.07E-07	274	0.00E+00
216.	36	0.00E+00	96	1.26E-06	216	0.00E+00	276	0.00E+00
222.	37	2.49E-06	97	8.31E-07	217	0.00E+00	277	0.00E+00
228.	38	0.00E+00	98	2.68E-07	218	0.00E+00	278	0.00E+00
234.	39	0.00E+00	99	7.95E-07	219	9.04E-08	279	0.00E+00
240.	40	1.47E-06	100	9.33E-07	220	0.00E+00	280	0.00E+00
246.	41	0.00E+00	101	1.62E-06	221	0.00E+00	281	0.00E+00
252.	42	0.00E+00	102	5.33E-06	222	7.28E-08	282	0.00E+00
258.	43	0.00E+00	103	5.13E-06	223	1.14E-07	283	0.00E+00
264.	44	0.00E+00	104	3.13E-06	224	8.27E-08	284	0.00E+00
270.	45	0.00E+00	105	2.53E-06	225	0.00E+00	285	0.00E+00
276.	46	8.93E-07	106	1.31E-06	226	0.00E+00	286	6.65E-08
282.	47	0.00E+00	107	1.31E-06	227	0.00E+00	287	0.00E+00
288.	48	0.00E+00	108	2.56E-07	228	0.00E+00	288	0.00E+00
294.	49	1.62E-06	109	1.01E-06	229	7.26E-08	289	0.00E+00
300.	50	0.00E+00	110	2.58E-07	230	1.06E-07	290	0.00E+00
306.	51	0.00E+00	111	7.48E-08	231	6.86E-08	291	0.00E+00
312.	52	9.04E-08	112	1.75E-07	232	0.00E+00	292	0.00E+00
318.	53	0.00E+00	113	3.28E-07	233	0.00E+00	293	0.00E+00
324.	54	0.00E+00	114	2.03E-07	234	0.00E+00	294	0.00E+00

EDCR TEST 11 NRC STAB A 8/12/75 1008-1035 MST

GAS F AVERAGE WINDS: SPEED 1.5 M/S ;DIRECTION 82. DEGREES
SOURCE STRENGTH 0.5940 GM/S RELEASED ROOF

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
48.	8	0.00E+00	68	9.47E-06	188	8.27E-06	248	3.71E-05
54.	9	0.00E+00	69	7.29E-05	189	2.70E-05	249	2.82E-05
60.	10	6.95E-06	70	2.04E-05	190	6.56E-06	250	2.01E-05
66.	11	0.00E+00	71	2.04E-05	191	4.84E-05	251	0.00E+00
72.	12	0.00E+00	72	1.16E-05	192	1.00E-05	252	0.00E+00
78.	13	4.27E-05	73	3.93E-04	193	3.88E-06	253	2.32E-05
84.	14	0.00E+00	74	6.75E-04	194	2.24E-05	254	2.12E-05
90.	15	0.00E+00	75	0.00E+00	195	1.77E-05	255	2.86E-05
96.	16	7.14E-05	76	2.56E-05	196	1.69E-05	256	3.90E-05
102.	17	0.00E+00	77	2.64E-05	197	4.56E-06	257	2.60E-05
108.	18	0.00E+00	78	8.09E-05	198	3.71E-04	258	1.19E-04
114.	19	1.09E-04	79	1.51E-05	199	0.00E+00	259	1.25E-04
120.	20	0.00E+00	80	2.70E-05	200	8.91E-06	260	0.00E+00
126.	21	0.00E+00	81	5.42E-06	201	2.10E-05	261	2.29E-05
132.	22	1.06E-05	82	4.60E-05	202	6.35E-05	262	1.70E-05
138.	23	0.00E+00	83	1.39E-05	203	1.22E-05	263	2.17E-05
144.	24	0.00E+00	84	1.97E-05	204	3.34E-05	264	2.01E-05
150.	25	4.40E-06	85	3.01E-05	205	3.79E-05	265	3.06E-05
156.	26	0.00E+00	86	3.23E-05	206	2.98E-05	266	4.20E-05
162.	27	0.00E+00	87	1.39E-05	207	1.16E-05	267	1.20E-05
168.	28	1.38E-05	88	1.57E-05	208	1.00E-05	268	0.00E+00
174.	29	0.00E+00	89	1.37E-05	209	1.04E-05	269	1.03E-05
180.	30	0.00E+00	90	1.50E-05	210	7.52E-05	270	2.53E-05
186.	31	2.03E-05	91	5.50E-05	211	3.33E-05	271	2.98E-05
192.	32	0.00E+00	92	2.24E-05	212	3.65E-05	272	1.15E-05
198.	33	0.00E+00	93	3.06E-05	213	2.45E-05	273	1.41E-05
204.	34	1.06E-05	94	1.70E-05	214	3.62E-05	274	1.79E-05
210.	35	0.00E+00	95	0.00E+00	215	1.05E-05	275	2.03E-05
216.	36	0.00E+00	96	4.09E-05	216	1.50E-05	276	0.00E+00
222.	37	2.00E-05	97	1.45E-05	217	5.65E-06	277	4.89E-06
228.	38	0.00E+00	98	4.90E-06	218	3.56E-05	278	1.07E-05
234.	39	0.00E+00	99	7.40E-05	219	1.46E-05	279	1.83E-05
240.	40	1.52E-05	100	4.63E-05	220	1.74E-05	280	3.20E-05
246.	41	0.00E+00	101	2.44E-05	221	1.31E-05	281	2.79E-05
252.	42	0.00E+00	102	4.18E-05	222	9.40E-06	282	0.00E+00
258.	43	0.00E+00	103	3.38E-05	223	9.53E-06	283	5.12E-05
264.	44	0.00E+00	104	1.94E-05	224	9.19E-06	284	0.00E+00
270.	45	0.00E+00	105	2.09E-05	225	1.31E-05	285	1.49E-05
276.	46	2.66E-05	106	1.84E-05	226	1.28E-05	286	0.00E+00
282.	47	0.00E+00	107	2.23E-05	227	5.24E-06	287	9.18E-06
288.	48	0.00E+00	108	1.19E-05	228	0.00E+00	288	1.93E-06
294.	49	6.57E-06	109	6.37E-05	229	4.15E-06	289	3.34E-06
300.	50	0.00E+00	110	1.90E-05	230	0.00E+00	290	2.55E-05

EDCR TEST 11 NRC STAB A 8/12/75 1008-1035 MST

GAS S AVERAGE WINDS: SPEED 1.5 M/S ;DIRECTION 82. DEGREES
SOURCE STRENGTH 0.2184 GM/S RELEASED STACK

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
330.	55	2.48E-07	115	1.17E-07	235	0.00E+00	295	0.00E+00
348.	58	9.29E-07	118	8.06E-08	238	0.00E+00	298	0.00E+00
354.	59	0.00E+00	119	9.46E-08	239	0.00E+00	299	0.00E+00

TOWER SAMPLES

HEIGHT	TOWER 1		TOWER 2		TOWER 3		TOWER 4	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
0.5	610	2.75E-06	620	1.07E-06	630	0.00E+00	640	0.00E+00
7.5	611	6.39E-07	621	1.59E-07	631	0.00E+00	641	0.00E+00
15.0	612	1.13E-06	622	1.12E-05	632	9.88E-08	642	0.00E+00
23.0	613	0.00E+00	623	1.43E-05	633	4.45E-06	643	0.00E+00
30.5	614	1.10E-06	624	6.21E-06	634	0.00E+00	644	0.00E+00

HEIGHT	TOWER 5		TOWER 6	
	GLN	CONC	GLN	CONC
7.5	651	0.00E+00	661	3.31E-07
15.0	652	1.16E-06	662	2.80E-07
23.0	653	0.00E+00	663	4.79E-07
30.5	654	0.00E+00	664	2.63E-07

MISCELLANEOUS SAMPLES

GROUP 1	
GLN	CONC
701	2.37E-05
702	3.37E-05
703	3.95E-07
704	6.96E-06

GAS F AVERAGE WINDS: SPEED 1.5 M/S ;DIRECTION 82. DEGREES
SOURCE STRENGTH 0.5940 GM/S RELEASED ROOF

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
6.	1	1.22E-05	61	7.49E-05	181	4.22E-06	241	0.00E+00
12.	2	0.00E+00	62	7.23E-06	182	1.43E-05	242	1.53E-05
18.	3	0.00E+00	63	1.64E-05	183	1.01E-05	243	1.23E-05
24.	4	1.54E-05	64	1.26E-05	184	1.12E-05	244	1.80E-05
30.	5	0.00E+00	65	7.94E-06	185	2.19E-05	245	2.46E-05
36.	6	0.00E+00	66	1.77E-05	186	1.93E-05	246	2.19E-05
42.	7	5.71E-05	67	3.81E-05	187	6.73E-06	247	1.35E-05

EDCR TEST 11 NRC STAB A 8/12/75 1008-1035 MST

GAS F AVERAGE WINDS: SPEED 1.5 M/S ;DIRECTION 82. DEGREES
SOURCE STRENGTH 0.5940 GM/S RELEASED ROOF

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
306.	51	0.00E+00	111	8.79E-06	231	4.66E-06	291	4.94E-05
312.	52	1.41E-05	112	7.09E-06	232	5.49E-06	292	2.05E-06
318.	53	0.00E+00	113	9.45E-06	233	1.05E-05	293	7.66E-06
324.	54	0.00E+00	114	8.46E-06	234	9.85E-06	294	1.79E-05
330.	55	4.71E-06	115	1.36E-05	235	0.00E+00	295	9.50E-06
336.	56	0.00E+00	116	1.72E-05	236	1.94E-05	296	5.83E-06
342.	57	0.00E+00	117	9.91E-05	237	1.57E-05	297	1.05E-05
348.	58	5.35E-06	118	3.46E-05	238	2.48E-05	298	7.57E-06
354.	59	0.00E+00	119	1.39E-05	239	1.04E-05	299	1.97E-05
360.	60	0.00E+00	120	8.70E-06	240	7.52E-06	300	1.96E-05

TOWER SAMPLES

HEIGHT	TOWER 1		TOWER 2		TOWER 3		TOWER 4	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
0.5	610	1.50E-05	620	3.06E-05	630	1.90E-05	640	2.77E-05
7.5	611	1.24E-04	621	2.21E-05	631	6.19E-06	641	0.00E+00
15.0	612	5.37E-05	622	5.45E-05	632	1.44E-05	642	0.00E+00
23.0	613	7.88E-06	623	5.66E-05	633	1.88E-04	643	0.00E+00
30.5	614	2.77E-05	624	4.05E-05	634	8.70E-05	644	0.00E+00

HEIGHT	TOWER 5		TOWER 6	
	GLN	CONC	GLN	CONC
0.5	650	7.52E-05	660	2.45E-05
7.5	651	4.66E-05	661	1.21E-05
15.0	652	5.76E-05	662	1.03E-04
23.0	653	3.80E-05	663	1.10E-05
30.5	654	4.46E-05	664	2.60E-05

MISCELLANEOUS SAMPLES

GROUP 1	
GLN	CONC
701	1.01E-04
702	7.87E-05
703	2.30E-04
704	1.38E-05

EOCR TEST 11 NRC STAB A 8/12/75 1008-1035 MST

GAS B AVERAGE WINDS: SPEED 1.5 M/S ;DIRECTION 82. DEGREES
SOURCE STRENGTH 0.0905 GM/S RELEASED GROUND

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
6.	1	2.89E-05	61	0.00E+00	181	0.00E+00	241	0.00E+00
24.	4	1.77E-05	64	0.00E+00	184	0.00E+00	244	0.00E+00
60.	10	1.39E-05	70	0.00E+00	190	0.00E+00	250	0.00E+00
78.	13	2.15E-04	73	2.32E-06	193	0.00E+00	253	0.00E+00
84.	14	0.00E+00	74	2.16E-06	194	0.00E+00	254	0.00E+00
96.	16	1.24E-04	76	0.00E+00	196	0.00E+00	256	0.00E+00
114.	19	2.45E-05	79	0.00E+00	199	0.00E+00	259	0.00E+00
132.	22	0.00E+00	82	4.69E-06	202	0.00E+00	262	0.00E+00
138.	23	0.00E+00	83	6.14E-07	203	0.00E+00	263	0.00E+00
150.	25	1.28E-06	85	1.14E-06	205	0.00E+00	265	6.46E-07
162.	27	0.00E+00	87	4.26E-07	207	0.00E+00	267	0.00E+00
174.	29	0.00E+00	89	1.24E-06	209	0.00E+00	269	0.00E+00
180.	30	0.00E+00	90	5.13E-07	210	0.00E+00	270	0.00E+00
186.	31	9.97E-07	91	1.32E-06	211	0.00E+00	271	0.00E+00
192.	32	0.00E+00	92	0.67E-06	212	0.00E+00	272	0.00E+00
198.	33	0.00E+00	93	5.57E-07	213	0.00E+00	273	0.00E+00
222.	37	0.00E+00	97	2.13E-07	217	0.00E+00	277	0.00E+00
252.	42	0.00E+00	102	4.00E-07	222	0.00E+00	282	0.00E+00
258.	43	0.00E+00	103	1.05E-06	223	0.00E+00	283	0.00E+00
276.	46	2.44E-06	106	0.00E+00	226	0.00E+00	286	0.00E+00
282.	47	0.00E+00	107	9.51E-07	227	0.00E+00	287	0.00E+00
294.	49	6.74E-07	109	2.61E-06	229	0.00E+00	289	0.00E+00
312.	52	1.97E-07	112	0.00E+00	232	0.00E+00	292	0.00E+00
318.	53	0.00E+00	113	5.19E-07	233	0.00E+00	293	0.00E+00
330.	55	7.06E-06	115	0.00E+00	235	0.00E+00	295	0.00E+00
348.	58	1.81E-05	118	0.00E+00	238	0.00E+00	298	0.00E+00

TOWER SAMPLES

HEIGHT	TOWER 1		TOWER 2		TOWER 3		TOWER 4	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
0.5	610	5.13E-07	620	5.57E-07	630	0.00E+00	640	0.00E+00
7.5	611	1.52E-06	621	0.00E+00	631	0.00E+00	641	0.00E+00
15.0	612	3.40E-06	622	2.79E-06	632	0.00E+00	642	0.00E+00
23.0	613	0.00E+00	623	1.76E-06	633	0.00E+00	643	0.00E+00
30.5	614	8.81E-07	624	1.61E-05	634	0.00E+00	644	0.00E+00

HEIGHT	TOWER 5		TOWER 6	
	GLN	CONC	GLN	CONC

EOCR TEST 11 NRC STAB A 8/12/75 1008-1035 MST

GAS B AVERAGE WINDS: SPEED 1.5 M/S ;DIRECTION 82. DEGREES
SOURCE STRENGTH 0.0905 GM/S RELEASED GROUND

MISCELLANEOUS SAMPLES

	GROUP 1
GLN	CONC
701	8.30E-06
702	4.52E-05
704	1.54E-05

EOCR TEST 12 NRC STAB E 8/13/75 0642-0712 MST

GAS S AVERAGE WINDS: SPEED 3.5 M/S ;DIRECTION 42. DEGREES
SOURCE STRENGTH 0.0619 GM/S RELEASED STACK

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
186.	31	8.57E-07	91	9.61E-07	211	0.00E+00	271	0.00E+00
192.	32	0.00E+00	92	1.64E-06	212	0.00E+00	272	1.12E-05
198.	33	0.00E+00	93	8.46E-07	213	8.46E-07	273	0.00E+00
204.	34	8.96E-06	94	1.90E-05	214	8.94E-06	274	3.93E-06
210.	35	0.00E+00	95	3.24E-05	215	2.08E-05	275	0.00E+00
216.	36	0.00E+00	96	1.05E-05	216	1.62E-05	276	2.18E-05
222.	37	2.39E-06	97	6.47E-06	217	1.77E-05	277	7.16E-06
228.	38	0.00E+00	98	1.42E-06	218	1.34E-06	278	0.00E+00

TOWER SAMPLES

HEIGHT	TOWER 1		TOWER 2		TOWER 3		TOWER 4	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
0.5	610	0.00E+00	620	8.46E-07	630	0.00E+00	640	1.31E-05
7.5	611	6.56E-06	621	4.77E-06	631	7.56E-06	641	0.00E+00
15.0	612	7.88E-06	622	1.27E-05	632	3.15E-06	642	0.00E+00
23.0	613	0.00E+00	623	3.33E-05	633	1.68E-05	643	0.00E+00
30.5	614	0.00E+00	624	2.80E-05	634	1.09E-05	644	0.00E+00

HEIGHT	TOWER 5		TOWER 6	
	GLN	CONC	GLN	CONC
0.5	650	0.00E+00	660	8.46E-07
7.5	651	7.14E-06	661	5.07E-06
23.0	653	1.29E-06	663	7.59E-06

MISCELLANEOUS SAMPLES

GROUP 1	
GLN	CONC

GAS F AVERAGE WINDS: SPEED 3.4 M/S ;DIRECTION 42. DEGREES
SOURCE STRENGTH 0.6204 GM/S RELEASED ROOF

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
6.	1	1.07E-04	61	0.00E+00	181	0.00E+00	241	0.00E+00
24.	4	1.00E-04	64	0.00E+00	184	0.00E+00	244	0.00E+00
42.	7	2.84E-05	67	0.00E+00	187	0.00E+00	247	0.00E+00
60.	10	1.22E-05	70	0.00E+00	190	0.00E+00	250	0.00E+00
78.	13	1.12E-05	73	0.00E+00	193	0.00E+00	253	0.00E+00
96.	16	1.31E-05	76	0.00E+00	196	0.00E+00	256	0.00E+00
114.	19	1.88E-05	79	0.00E+00	199	0.00E+00	259	0.00E+00

EOCR TEST 12 NRC STAB E 8/13/75 0642-0712 MST

GAS F AVERAGE WINDS: SPEED 3.4 M/S ;DIRECTION 42. DEGREES
SOURCE STRENGTH 0.6204 GM/S RELEASED ROOF

TOWER SAMPLES

HEIGHT	TOWER 5		TOWER 6	
	GLN	CONC	GLN	CONC
0.5	650	3.27E-05	660	4.57E-05
7.5	651	1.41E-05	661	3.74E-05
15.0	652	1.10E-05	662	1.21E-05
23.0	653	7.23E-06	663	1.38E-05
30.5	654	1.13E-05	664	5.95E-05

MISCELLANEOUS SAMPLES

GROUP 1	
GLN	CONC
701	8.19E-05
702	3.48E-05
703	4.25E-05

GAS B AVERAGE WINDS: SPEED 2.3 M/S ;DIRECTION 40. DEGREES
SOURCE STRENGTH 0.1338 GM/S RELEASED GROUND

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
6.	1	1.62E-05	61	0.00E+00	181	0.00E+00	241	0.00E+00
24.	4	2.34E-05	64	0.00E+00	184	0.00E+00	244	0.00E+00
42.	7	6.07E-05	67	0.00E+00	187	0.00E+00	247	0.00E+00
60.	10	8.22E-05	70	0.00E+00	190	0.00E+00	250	0.00E+00
78.	13	7.24E-04	73	0.00E+00	193	0.00E+00	253	0.00E+00
96.	16	1.64E-03	76	0.00E+00	196	0.00E+00	256	0.00E+00
114.	19	7.37E-05	79	0.00E+00	199	0.00E+00	259	0.00E+00
132.	22	2.23E-04	82	0.00E+00	202	0.00E+00	262	0.00E+00
138.	23	0.00E+00	83	7.98E-07	203	0.00E+00	263	0.00E+00
150.	25	1.80E-04	85	0.00E+00	205	0.00E+00	265	0.00E+00
162.	27	0.00E+00	87	5.02E-07	207	0.00E+00	267	0.00E+00
168.	28	0.00E+00	88	6.17E-06	208	0.00E+00	268	0.00E+00
174.	29	0.00E+00	89	2.05E-05	209	0.00E+00	269	0.00E+00
180.	30	0.00E+00	90	4.29E-05	210	0.00E+00	270	0.00E+00
186.	31	8.47E-05	91	4.41E-05	211	1.14E-06	271	0.00E+00
192.	32	0.00E+00	92	4.87E-05	212	2.50E-06	272	1.92E-06
198.	33	0.00E+00	93	0.00E+00	213	1.47E-06	273	0.00E+00
204.	34	6.72E-05	94	5.11E-05	214	1.41E-06	274	1.83E-06
210.	35	0.00E+00	95	4.83E-05	215	5.34E-06	275	0.00E+00
216.	36	0.00E+00	96	2.85E-05	216	2.18E-06	276	2.83E-06
222.	37	4.47E-05	97	1.76E-05	217	4.04E-06	277	0.00E+00
228.	38	0.00E+00	98	2.05E-05	218	0.00E+00	278	0.00E+00

EOCR TEST 12 NRC STAB E 8/13/75 0642-0712 MST

GAS F AVERAGE WINDS: SPEED 3.4 M/S ;DIRECTION 42. DEGREES
SOURCE STRENGTH 0.6204 GM/S RELEASED ROOF

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
132.	22	2.16E-05	82	5.30E-05	202	4.42E-05	262	1.10E-05
138.	23	0.00E+00	83	1.03E-05	203	2.23E-05	263	5.38E-06
144.	24	0.00E+00	84	3.72E-05	204	1.63E-05	264	2.30E-05
150.	25	1.28E-05	85	0.00E+00	205	2.91E-05	265	5.88E-06
156.	26	0.00E+00	86	4.01E-05	206	2.53E-05	266	2.88E-05
162.	27	0.00E+00	87	2.98E-05	207	7.84E-06	267	8.73E-06
168.	28	0.00E+00	88	2.24E-05	208	2.94E-05	268	9.96E-06
174.	29	0.00E+00	89	2.24E-05	209	2.22E-05	269	1.05E-05
180.	30	0.00E+00	90	2.17E-05	210	3.27E-05	270	2.34E-05
186.	31	1.15E-04	91	5.40E-05	211	1.55E-05	271	5.08E-05
192.	32	0.00E+00	92	7.04E-05	212	3.06E-05	272	9.58E-05
198.	33	0.00E+00	93	7.64E-05	213	4.57E-05	273	0.00E+00
204.	34	2.41E-04	94	2.17E-04	214	9.02E-05	274	4.54E-05
210.	35	0.00E+00	95	2.76E-04	215	1.09E-04	275	0.00E+00
216.	36	0.00E+00	96	1.94E-04	216	1.51E-04	276	6.99E-05
222.	37	1.03E-04	97	1.18E-04	217	1.00E-04	277	4.38E-05
228.	38	0.00E+00	98	7.50E-05	218	5.14E-05	278	0.00E+00
234.	39	0.00E+00	99	7.16E-05	219	8.86E-06	279	3.26E-05
240.	40	8.57E-06	100	2.37E-05	220	2.44E-05	280	2.72E-05
246.	41	0.00E+00	101	6.13E-05	221	1.20E-05	281	1.37E-05
252.	42	0.00E+00	102	3.65E-05	222	1.62E-05	282	1.33E-05
258.	43	2.47E-05	103	3.03E-05	223	1.99E-05	283	2.71E-05
264.	44	0.00E+00	104	5.90E-05	224	2.32E-05	284	1.90E-05
270.	45	0.00E+00	105	1.39E-05	225	1.67E-05	285	2.93E-05
276.	46	1.17E-05	106	2.65E-05	226	5.26E-05	286	8.93E-06
282.	47	0.00E+00	107	1.53E-05	227	1.23E-05	287	0.00E+00
288.	48	0.00E+00	108	1.98E-05	228	1.02E-05	288	1.60E-05
294.	49	0.00E+00	109	1.53E-05	229	6.31E-06	289	5.92E-05
300.	50	0.00E+00	110	2.31E-05	230	1.38E-05	290	0.00E+00
306.	51	0.00E+00	111	2.01E-05	231	5.88E-06	291	2.98E-05
312.	52	1.60E-05	112	0.00E+00	232	0.00E+00	292	0.00E+00
330.	55	1.59E-05	115	0.00E+00	235	0.00E+00	295	0.00E+00
348.	58	1.05E-05	118	0.00E+00	238	0.00E+00	298	0.00E+00

TOWER SAMPLES

HEIGHT	TOWER 1		TOWER 2		TOWER 3		TOWER 4	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
0.5	610	2.17E-05	620	7.64E-05	630	4.42E-05	640	1.33E-04
7.5	611	1.18E-05	621	1.00E-04	631	7.76E-06	641	0.00E+00
15.0	612	3.78E-05	622	1.59E-04	632	1.89E-05	642	0.00E+00
23.0	613	6.84E-05	623	2.24E-04	633	2.23E-05	643	0.00E+00
30.5	614	8.43E-05	624	2.71E-04	634	2.59E-05	644	0.00E+00

EOCR TEST 12 NRC STAB E 8/13/75 0642-0712 MST

GAS B AVERAGE WINDS: SPEED 2.3 M/S ;DIRECTION 40. DEGREES
SOURCE STRENGTH 0.1338 GM/S RELEASED GROUND

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
234.	39	0.00E+00	99	1.27E-05	219	0.00E+00	279	0.00E+00
240.	40	2.51E-05	100	6.90E-06	220	0.00E+00	280	0.00E+00
246.	41	0.00E+00	101	8.19E-07	221	0.00E+00	281	0.00E+00
252.	42	0.00E+00	102	1.39E-07	222	0.00E+00	282	0.00E+00
258.	43	1.40E-05	103	0.00E+00	223	0.00E+00	283	0.00E+00
276.	46	6.01E-06	106	0.00E+00	226	0.00E+00	286	0.00E+00
294.	49	2.29E-06	109	0.00E+00	229	0.00E+00	289	0.00E+00
312.	52	3.82E-06	112	0.00E+00	232	0.00E+00	292	0.00E+00
330.	55	4.72E-06	115	0.00E+00	235	0.00E+00	295	0.00E+00
348.	58	1.27E-05	118	0.00E+00	238	0.00E+00	298	0.00E+00

TOWER SAMPLES

HEIGHT	TOWER 1		TOWER 2		TOWER 3		TOWER 4	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
0.5	610	4.29E-05	620	0.00E+00	630	0.00E+00	640	1.79E-05
7.5	611	3.33E-05	621	2.87E-05	631	0.00E+00	641	0.00E+00
15.0	612	1.58E-05	622	5.45E-05	632	0.00E+00	642	0.00E+00
23.0	613	0.00E+00	623	4.66E-05	633	0.00E+00	643	0.00E+00
30.5	614	0.00E+00	624	2.93E-05	634	0.00E+00	644	0.00E+00

HEIGHT	TOWER 5		TOWER 6	
	GLN	CONC	GLN	CONC
0.5	650	0.00E+00	660	1.47E-06
7.5	651	0.00E+00	661	6.46E-06
23.0	653	0.00E+00	663	3.25E-06

MISCELLANEOUS SAMPLES

GROUP 1	
GLN	CONC
701	2.72E-05
702	3.68E-04
703	1.29E-06

EOCR TEST 13 NRC STAB A 8/14/75 1017-1117 MST

GAS S AVERAGE WINDS: SPEED 2.1 M/S ;DIRECTION 22. DEGREES
SOURCE STRENGTH 0.0581 GM/S RELEASED STACK

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
60.	10	1.35E-06	70	0.00E+00	190	1.04E-06	250	0.00E+00
72.	12	0.00E+00	72	0.00E+00	192	0.00E+00	252	3.60E-07
78.	13	1.35E-06	73	0.00E+00	193	2.93E-07	253	4.49E-06
90.	15	0.00E+00	75	0.00E+00	195	0.00E+00	255	8.74E-08
96.	16	3.93E-06	76	0.00E+00	196	0.00E+00	256	0.00E+00
102.	17	0.00E+00	77	0.00E+00	197	2.98E-07	257	9.01E-08
108.	18	0.00E+00	78	2.99E-06	198	0.00E+00	258	0.00E+00
114.	19	2.92E-06	79	4.76E-07	199	0.00E+00	259	0.00E+00
120.	20	0.00E+00	80	3.90E-07	200	0.00E+00	260	7.50E-07
126.	21	0.00E+00	81	0.00E+00	201	0.00E+00	261	1.08E-07
132.	22	1.22E-05	82	2.36E-06	202	4.10E-07	262	8.57E-07
138.	23	0.00E+00	83	3.92E-06	203	2.05E-07	263	0.00E+00
144.	24	0.00E+00	84	1.00E-05	204	4.25E-07	264	0.00E+00
150.	25	2.08E-05	85	1.05E-05	205	2.72E-07	265	5.04E-07
156.	26	0.00E+00	86	6.58E-06	206	0.00E+00	266	0.00E+00
162.	27	0.00E+00	87	2.59E-05	207	0.00E+00	267	7.70E-08
168.	28	5.16E-05	88	1.50E-05	208	0.00E+00	268	0.00E+00
174.	29	0.00E+00	89	4.62E-05	209	1.09E-06	269	0.00E+00
180.	30	0.00E+00	90	1.88E-05	210	0.00E+00	270	2.52E-07
186.	31	6.98E-06	91	1.58E-05	211	2.54E-07	271	0.00E+00
192.	32	0.00E+00	92	1.52E-05	212	7.30E-07	272	9.91E-07
198.	33	0.00E+00	93	1.23E-05	213	5.43E-07	273	4.78E-07
204.	34	4.45E-06	94	4.35E-06	214	2.15E-07	274	9.91E-07
210.	35	0.00E+00	95	2.63E-06	215	0.00E+00	275	0.00E+00
216.	36	0.00E+00	96	4.13E-06	216	5.66E-07	276	5.03E-07
222.	37	7.51E-06	97	0.00E+00	217	6.85E-07	277	0.00E+00
228.	38	0.00E+00	98	4.04E-06	218	2.01E-05	278	5.59E-07
234.	39	0.00E+00	99	3.55E-06	219	2.57E-06	279	0.00E+00
240.	40	9.57E-06	100	4.00E-06	220	0.00E+00	280	0.00E+00
246.	41	0.00E+00	101	6.36E-06	221	6.05E-07	281	1.67E-06
252.	42	0.00E+00	102	0.00E+00	222	7.54E-06	282	0.00E+00
258.	43	2.33E-06	103	3.39E-06	223	2.71E-07	283	6.58E-07
264.	44	0.00E+00	104	3.41E-06	224	3.51E-07	284	0.00E+00
270.	45	0.00E+00	105	4.76E-05	225	0.00E+00	285	4.47E-07
276.	46	2.92E-06	106	4.51E-06	226	0.00E+00	286	2.57E-06
282.	47	0.00E+00	107	5.99E-06	227	3.62E-07	287	7.03E-07
288.	48	0.00E+00	108	5.65E-06	228	5.09E-07	288	0.00E+00
294.	49	1.13E-06	109	4.85E-06	229	0.00E+00	289	0.00E+00
300.	50	0.00E+00	110	7.76E-07	230	6.63E-07	290	2.39E-07
306.	51	0.00E+00	111	4.43E-07	231	0.00E+00	291	8.92E-07
312.	52	1.56E-07	112	0.00E+00	232	1.72E-07	292	0.00E+00
318.	53	0.00E+00	113	4.90E-06	233	0.00E+00	293	0.00E+00
330.	55	6.72E-06	115	5.24E-07	235	0.00E+00	295	0.00E+00

EOCR TEST 13 NRC STAB A 8/14/75 1017-1117 MST

GAS F AVERAGE WINDS: SPEED 1.9 M/S ;DIRECTION 26. DEGREES
SOURCE STRENGTH 0.5680 GM/S RELEASED ROOF

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
72.	12	0.00E+00	72	7.41E-05	192	3.60E-05	252	6.38E-05
78.	13	2.85E-05	73	1.08E-04	193	2.60E-05	253	1.31E-04
84.	14	0.00E+00	74	5.98E-05	194	0.00E+00	254	0.00E+00
90.	15	0.00E+00	75	6.17E-05	195	0.00E+00	255	5.62E-05
96.	16	3.32E-05	76	1.31E-04	196	3.15E-05	256	4.45E-05
102.	17	0.00E+00	77	8.19E-05	197	3.13E-05	257	3.82E-05
108.	18	0.00E+00	78	4.64E-05	198	0.00E+00	258	3.91E-05
114.	19	4.93E-05	79	5.44E-05	199	0.00E+00	259	7.10E-05
120.	20	0.00E+00	80	9.23E-05	200	5.24E-05	260	8.73E-05
126.	21	0.00E+00	81	5.51E-05	201	0.00E+00	261	3.24E-05
132.	22	3.07E-05	82	1.00E-05	202	1.66E-05	262	2.75E-04
138.	23	0.00E+00	83	1.60E-05	203	1.40E-05	263	1.16E-05
144.	24	0.00E+00	84	3.09E-05	204	1.04E-05	264	1.80E-05
150.	25	8.42E-05	85	1.97E-05	205	1.92E-05	265	1.58E-05
156.	26	0.00E+00	86	2.42E-05	206	1.12E-05	266	2.18E-05
162.	27	0.00E+00	87	4.41E-05	207	1.09E-05	267	7.60E-06
168.	28	1.55E-04	88	4.93E-05	208	0.00E+00	268	8.04E-06
174.	29	0.00E+00	89	6.36E-05	209	1.06E-05	269	0.00E+00
180.	30	0.00E+00	90	6.42E-05	210	1.69E-05	270	9.84E-06
186.	31	1.38E-04	91	0.10E-05	211	9.11E-06	271	1.43E-05
192.	32	0.00E+00	92	9.43E-05	212	1.69E-05	272	4.61E-05
198.	33	0.00E+00	93	8.00E-05	213	1.42E-05	273	2.48E-05
204.	34	1.28E-04	94	5.30E-05	214	1.12E-05	274	3.26E-05
210.	35	0.00E+00	95	4.81E-05	215	0.00E+00	275	1.60E-05
216.	36	0.00E+00	96	5.35E-05	216	3.70E-05	276	1.66E-05
222.	37	1.12E-04	97	0.00E+00	217	1.28E-05	277	1.15E-05
228.	38	0.00E+00	98	5.07E-05	218	3.66E-05	278	7.28E-05
234.	39	0.00E+00	99	6.79E-05	219	1.63E-05	279	0.00E+00
240.	40	6.64E-05	100	6.59E-05	220	0.00E+00	280	2.14E-05
246.	41	0.00E+00	101	8.07E-05	221	1.15E-05	281	5.25E-05
252.	42	0.00E+00	102	0.00E+00	222	3.10E-05	282	1.00E-05
258.	43	8.84E-05	103	6.06E-05	223	9.81E-06	283	2.62E-05
264.	44	0.00E+00	104	7.81E-05	224	1.22E-05	284	0.00E+00
270.	45	0.00E+00	105	9.42E-05	225	9.98E-06	285	3.65E-05
276.	46	3.96E-05	106	0.89E-05	226	1.19E-05	286	1.78E-04
282.	47	0.00E+00	107	1.08E-04	227	1.15E-05	287	2.82E-05
288.	48	0.00E+00	108	6.30E-05	228	0.21E-06	288	8.61E-06
294.	49	2.88E-05	109	6.41E-05	229	0.00E+00	289	1.92E-05
300.	50	0.00E+00	110	3.29E-05	230	6.88E-06	290	2.30E-05
306.	51	0.00E+00	111	1.24E-05	231	0.00E+00	291	8.25E-05
312.	52	4.70E-05	112	1.85E-05	232	1.51E-05	292	0.00E+00
318.	53	0.00E+00	113	2.27E-05	233	0.00E+00	293	2.25E-05
324.	54	0.00E+00	114	3.03E-05	234	3.11E-05	294	3.88E-05

EOCR TEST 13 NRC STAB A 8/14/75 1017-1117 MST

GAS S AVERAGE WINDS: SPEED 2.1 M/S ;DIRECTION 22. DEGREES
SOURCE STRENGTH 0.0581 GM/S RELEASED STACK

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
336.	56	0.00E+00	116	1.02E-07	236	0.00E+00	296	1.08E-07
342.	57	0.00E+00	117	0.00E+00	237	0.00E+00	297	4.18E-07
348.	58	0.00E+00	118	0.00E+00	238	1.14E-07	298	9.72E-08
354.	59	0.00E+00	119	1.34E-06	239	0.00E+00	299	0.00E+00
360.	60	0.00E+00	120	7.41E-07	240	0.00E+00	300	1.53E-07

TOWER SAMPLES

HEIGHT	TOWER 1		TOWER 2		TOWER 3		TOWER 4	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
0.5	610	1.68E-05	620	1.23E-05	630	1.61E-06	640	2.15E-06
7.5	611	0.00E+00	621	2.25E-05	631	1.15E-06	641	0.00E+00
15.0	612	0.00E+00	622	1.46E-05	632	0.00E+00	642	3.24E-06
30.5	614	0.00E+00	624	9.41E-06	634	2.10E-06	644	0.00E+00

HEIGHT	TOWER 5		TOWER 6	
	GLN	CONC	GLN	CONC
0.5	650	0.00E+00	660	5.43E-07
7.5	651	1.77E-06	661	7.01E-07
15.0	652	1.73E-06	662	0.00E+00
23.0	653	2.50E-07	663	0.21E-07
30.5	654	3.52E-07	664	4.08E-07

MISCELLANEOUS SAMPLES

GROUP 1	
GLN	CONC
701	3.11E-05
702	5.63E-06
703	2.84E-05
704	4.24E-06

GAS F AVERAGE WINDS: SPEED 1.9 M/S ;DIRECTION 26. DEGREES
SOURCE STRENGTH 0.5680 GM/S RELEASED ROOF

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
6.	1	1.36E-05	61	2.61E-05	181	0.00E+00	241	1.44E-05
24.	4	2.00E-05	64	0.00E+00	184	0.00E+00	244	0.00E+00
42.	7	3.91E-05	67	0.00E+00	187	0.00E+00	247	0.00E+00
60.	10	2.36E-05	70	0.00E+00	190	3.89E-05	250	0.00E+00
66.	11	0.00E+00	71	0.00E+00	191	1.60E-05	251	0.00E+00

EOCR TEST 13 NRC STAB A 8/14/75 1017-1117 MST

GAS F AVERAGE WINDS: SPEED 1.9 M/S ;DIRECTION 26. DEGREES
SOURCE STRENGTH 0.5680 GM/S RELEASED ROOF

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
330.	55	4.84E-05	115	2.39E-05	235	2.41E-05	295	2.85E-05
336.	56	0.00E+00	116	2.60E-05	236	3.57E-05	296	3.71E-05
342.	57	0.00E+00	117	0.00E+00	237	2.29E-05	297	1.03E-04
348.	58	8.72E-06	118	2.93E-05	238	2.80E-05	298	2.62E-05
354.	59	0.00E+00	119	5.63E-05	239	3.48E-05	299	2.64E-05
360.	60	0.00E+00	120	2.30E-05	240	0.00E+00	300	1.97E-05

TOWER SAMPLES

HEIGHT	TOWER 1		TOWER 2		TOWER 3		TOWER 4	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
0.5	610	6.42E-05	620	8.00E-05	630	3.46E-05	640	5.21E-05
7.5	611	0.00E+00	621	1.09E-04	631	1.49E-05	641	0.00E+00
15.0	612	0.00E+00	622	9.66E-05	632	0.00E+00	642	2.56E-05
30.5	614	0.00E+00	624	9.02E-05	634	2.90E-05	644	0.00E+00

HEIGHT	TOWER 5		TOWER 6	
	GLN	CONC	GLN	CONC
0.5	650	1.69E-05	660	1.42E-05
7.5	651	4.70E-05	661	1.37E-05
15.0	652	8.71E-05	662	0.00E+00
23.0	653	1.09E-05	663	1.29E-05
30.5	654	1.06E-05	664	1.06E-05

MISCELLANEOUS SAMPLES

GROUP 1	
GLN	CONC
701	2.76E-04
702	1.59E-04
703	1.07E-04
704	5.07E-05

GAS B AVERAGE WINDS: SPEED 2.1 M/S ;DIRECTION 22. DEGREES
SOURCE STRENGTH 0.1321 GM/S RELEASED GROUND

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
6.	1	3.88E-04	61	0.00E+00	181	0.00E+00	241	0.00E+00
24.	4	8.16E-05	64	0.00E+00	184	0.00E+00	244	0.00E+00
42.	7	9.97E-05	67	0.00E+00	187	0.00E+00	247	0.00E+00
60.	10	1.14E-04	70	0.00E+00	190	0.00E+00	250	0.00E+00

EOCR TEST 13 NRC STAB A 8/14/75 1017-1117 MST

GAS B AVERAGE WINDS: SPEED 2.1 M/S ;DIRECTION 22. DEGREES
SOURCE STRENGTH 0.1321 GM/S RELEASED GROUND

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
72.	12	0.00E+00	72	2.47E-06	192	0.00E+00	252	0.00E+00
78.	13	1.46E-03	73	1.41E-06	193	0.00E+00	253	0.00E+00
84.	14	0.00E+00	74	2.67E-06	194	0.00E+00	254	0.00E+00
96.	16	5.22E-04	76	8.05E-07	196	0.00E+00	256	0.00E+00
108.	18	0.00E+00	78	1.39E-06	198	0.00E+00	258	0.00E+00
114.	19	1.13E-04	79	0.00E+00	199	0.00E+00	259	0.00E+00
120.	20	0.00E+00	80	7.11E-06	200	0.00E+00	260	0.00E+00
126.	21	0.00E+00	81	7.93E-07	201	0.00E+00	261	0.00E+00
132.	22	6.72E-05	82	4.54E-06	202	0.00E+00	262	0.00E+00
144.	24	0.00E+00	84	3.06E-06	204	0.00E+00	264	0.00E+00
150.	25	4.03E-05	85	1.02E-06	205	0.00E+00	265	0.00E+00
156.	26	0.00E+00	86	4.09E-06	206	0.00E+00	266	0.00E+00
162.	27	0.00E+00	87	3.17E-06	207	0.00E+00	267	0.00E+00
168.	28	2.17E-05	88	5.29E-06	208	0.00E+00	268	0.00E+00
174.	29	0.00E+00	89	4.47E-06	209	0.00E+00	269	0.00E+00
180.	30	0.00E+00	90	5.41E-06	210	0.00E+00	270	0.00E+00
186.	31	1.10E-05	91	0.00E+00	211	0.00E+00	271	0.00E+00
192.	32	0.00E+00	92	3.73E-06	212	0.00E+00	272	0.00E+00
198.	33	0.00E+00	93	4.07E-06	213	0.00E+00	273	0.00E+00
204.	34	1.50E-05	94	2.40E-06	214	0.00E+00	274	0.00E+00
216.	36	0.00E+00	96	3.71E-06	216	0.00E+00	276	0.00E+00
222.	37	6.51E-06	97	0.00E+00	217	0.00E+00	277	0.00E+00
228.	38	0.00E+00	98	2.33E-06	218	0.00E+00	278	0.00E+00
234.	39	0.00E+00	99	4.06E-06	219	0.00E+00	279	0.00E+00
240.	40	1.29E-05	100	1.72E-07	220	0.00E+00	280	0.00E+00
246.	41	0.00E+00	101	4.62E-06	221	0.00E+00	281	0.00E+00
258.	43	9.01E-06	103	1.77E-06	223	0.00E+00	283	0.00E+00
264.	44	0.00E+00	104	4.58E-06	224	0.00E+00	284	0.00E+00
276.	46	1.28E-05	106	2.05E-06	226	0.00E+00	286	0.00E+00
282.	47	0.00E+00	107	3.69E-06	227	0.00E+00	287	0.00E+00
294.	49	7.45E-06	109	4.57E-06	229	0.00E+00	289	0.00E+00
300.	50	0.00E+00	110	1.35E-06	230	0.00E+00	290	0.00E+00
306.	51	0.00E+00	111	3.55E-06	231	0.00E+00	291	0.00E+00
312.	52	1.35E-05	112	0.00E+00	232	0.00E+00	292	0.00E+00
318.	53	0.00E+00	113	8.02E-07	233	0.00E+00	293	0.00E+00
330.	55	4.32E-05	115	0.00E+00	235	0.00E+00	295	0.00E+00
348.	58	6.38E-05	118	0.00E+00	238	0.00E+00	298	0.00E+00

EOCR TEST 13 NRC STAB A 8/14/75 1017-1117 MST

GAS B AVERAGE WINDS: SPEED 2.1 M/S ;DIRECTION 22. DEGREES
SOURCE STRENGTH 0.1321 GM/S RELEASED GROUND

TOWER SAMPLES

HEIGHT	TOWER 1		TOWER 2		TOWER 3		TOWER 4	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
0.5	610	5.41E-06	620	4.07E-06	630	5.35E-07	640	0.00E+00
7.5	611	0.00E+00	621	2.64E-06	631	0.00E+00	641	0.00E+00
15.0	612	0.00E+00	622	4.40E-06	632	0.00E+00	642	2.43E-06
30.5	614	0.00E+00	624	6.34E-06	634	6.47E-07	644	0.00E+00

HEIGHT	TOWER 5		TOWER 6	
	GLN	CONC	GLN	CONC

MISCELLANEOUS SAMPLES

GROUP 1	
GLN	CONC
701	6.14E-05
702	6.17E-05
703	8.78E-05
704	1.91E-04

EDCR TEST 14 NRC STAB E 5/6/76 0619-0719 MST

GAS S AVERAGE WINDS: SPEED 1.9 M/S ;DIRECTION 47. DEGREES
SOURCE STRENGTH 0.0529 GM/S RELEASED GROUND

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
102.	17	0.00E+00	77	1.80E-06	197	0.00E+00	257	0.00E+00
120.	20	0.00E+00	80	0.00E+00	200	7.32E-05	260	0.00E+00
126.	21	1.62E-06	81	0.00E+00	201	0.00E+00	261	0.00E+00
150.	25	0.00E+00	85	0.00E+00	205	3.81E-06	265	0.00E+00
162.	27	0.00E+00	87	0.00E+00	207	5.44E-06	267	0.00E+00
168.	28	0.00E+00	88	1.75E-06	208	0.00E+00	268	1.44E-06
174.	29	0.00E+00	89	0.00E+00	209	2.20E-06	269	0.00E+00
180.	30	2.81E-05	90	0.00E+00	210	0.00E+00	270	0.00E+00
186.	31	0.00E+00	91	3.25E-06	211	0.00E+00	271	0.00E+00
192.	32	0.00E+00	92	0.00E+00	212	0.00E+00	272	4.49E-06
198.	33	2.46E-04	93	0.00E+00	213	0.00E+00	273	0.00E+00
204.	34	0.00E+00	94	0.00E+00	214	0.00E+00	274	1.63E-06
210.	35	0.00E+00	95	9.34E-05	215	2.34E-06	275	0.00E+00
216.	36	4.23E-04	96	1.00E-04	216	0.00E+00	276	9.18E-06
222.	37	0.00E+00	97	3.65E-04	217	9.15E-05	277	2.91E-05
228.	38	0.00E+00	98	2.02E-04	218	3.61E-05	278	4.94E-06
234.	39	7.63E-04	99	2.81E-05	219	1.14E-05	279	0.00E+00
240.	40	0.00E+00	100	1.96E-05	220	0.00E+00	280	0.00E+00
246.	41	0.00E+00	101	1.45E-05	221	0.00E+00	281	0.00E+00
252.	42	2.50E-05	102	1.41E-06	222	0.00E+00	282	0.00E+00
264.	44	0.00E+00	104	1.19E-05	224	0.00E+00	284	0.00E+00
270.	45	5.57E-06	105	0.00E+00	225	0.00E+00	285	0.00E+00
300.	50	0.00E+00	110	1.65E-06	230	0.00E+00	290	0.00E+00

BEARING	1200. M		1600. M	
	GLN	CONC	GLN	CONC
123.	341	1.96E-06	461	0.00E+00
132.	344	2.30E-06	464	0.00E+00
153.	351	1.65E-06	471	0.00E+00
156.	352	4.77E-06	472	0.00E+00
168.	356	0.00E+00	476	1.63E-06
183.	361	1.63E-06	481	0.00E+00
186.	362	1.36E-06	482	0.00E+00
192.	364	2.83E-06	484	0.00E+00
216.	372	2.92E-06	492	0.00E+00
219.	373	6.24E-06	493	4.57E-06
222.	374	3.29E-05	494	1.71E-05
225.	375	1.30E-05	495	1.33E-05
228.	376	8.73E-06	496	1.51E-06
234.	378	1.37E-06	498	0.00E+00
237.	379	1.73E-06	499	0.00E+00

EDCR TEST 14 NRC STAB E 5/6/76 0619-0719 MST

GAS F AVERAGE WINDS: SPEED 3.4 M/S ;DIRECTION 47. DEGREES
SOURCE STRENGTH 2.1438 GM/S RELEASED STACK

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
180.	30	1.25E-04	90	2.58E-04	210	8.21E-06	270	1.21E-04
186.	31	0.00E+00	91	3.36E-04	211	5.56E-06	271	4.89E-04
192.	32	0.00E+00	92	8.33E-05	212	1.33E-04	272	3.57E-04
198.	33	3.14E-05	93	0.00E+00	213	6.40E-04	273	8.79E-06
204.	34	0.00E+00	94	4.09E-04	214	9.38E-06	274	6.26E-04
210.	35	0.00E+00	95	0.00E-05	215	3.71E-05	275	8.62E-06
216.	36	1.53E-04	96	2.16E-04	216	0.00E+00	276	1.49E-05
222.	37	0.00E+00	97	8.31E-05	217	8.21E-05	277	3.05E-05
228.	38	0.00E+00	98	6.28E-04	218	2.78E-05	278	4.13E-04
234.	39	0.00E+00	99	1.21E-03	219	1.34E-05	279	8.28E-05
240.	40	0.00E+00	100	1.12E-03	220	2.99E-06	280	8.79E-06
246.	41	0.00E+00	101	2.73E-05	221	0.00E+00	281	2.69E-04
252.	42	0.00E+00	102	7.94E-06	222	8.49E-06	282	3.07E-04
258.	43	0.00E+00	103	0.00E+00	223	2.92E-04	283	0.00E+00
264.	44	0.00E+00	104	2.66E-04	224	1.46E-05	284	1.19E-04
270.	45	4.05E-05	105	3.14E-04	225	2.68E-05	285	1.42E-05
276.	46	0.00E+00	106	5.27E-04	226	0.00E+00	286	0.00E+00
282.	47	0.00E+00	107	9.92E-04	227	0.00E+00	287	0.00E+00
288.	48	2.55E-04	108	5.49E-04	228	0.00E+00	288	0.00E+00
294.	49	0.00E+00	109	2.92E-05	229	0.00E+00	289	0.00E+00
300.	50	0.00E+00	110	2.49E-04	230	0.00E+00	290	0.00E+00
306.	51	1.35E-05	111	0.00E+00	231	0.00E+00	291	0.00E+00
324.	54	5.72E-05	114	0.00E+00	234	0.00E+00	294	0.00E+00
342.	57	3.67E-04	117	0.00E+00	237	0.00E+00	297	0.00E+00
360.	60	3.39E-05	120	0.00E+00	240	0.00E+00	300	0.00E+00

BEARING	1200. M		1600. M	
	GLN	CONC	GLN	CONC
123.	341	7.92E-04	461	1.60E-04
126.	342	4.68E-06	462	1.04E-05
129.	343	1.48E-04	463	2.63E-04
132.	344	1.06E-03	464	1.34E-04
135.	345	0.00E+00	465	3.38E-04
138.	346	2.01E-05	466	1.05E-04
141.	347	0.00E+00	467	5.90E-05
144.	348	1.66E-04	468	2.08E-05
147.	349	9.63E-04	469	2.05E-04
150.	350	5.63E-05	470	2.91E-04
153.	351	4.60E-04	471	2.22E-04
156.	352	1.57E-03	472	4.62E-04
159.	353	0.00E+00	473	7.04E-05
162.	354	9.48E-05	474	6.97E-06
165.	355	1.32E-05	475	6.51E-06
168.	356	3.23E-06	476	5.93E-04

EDCR TEST 14 NRC STAB E 5/6/76 0619-0719 MST

GAS S AVERAGE WINDS: SPEED 1.9 M/S ;DIRECTION 47. DEGREES
SOURCE STRENGTH 0.0529 GM/S RELEASED GROUND

TOWER SAMPLES

HEIGHT	TOWER 1		TOWER 2		TOWER 3		TOWER 4	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
7.5	611	0.00E+00	621	2.06E-05	631	0.00E+00	641	0.00E+00
15.0	612	0.00E+00	622	1.42E-05	632	0.00E+00	642	0.00E+00
23.0	613	0.00E+00	623	1.05E-05	633	0.00E+00	643	0.00E+00
30.5	614	0.00E+00	624	5.85E-06	634	0.00E+00	644	0.00E+00

HEIGHT	TOWER 5		TOWER 6	
	GLN	CONC	GLN	CONC
7.5	651	1.80E-06	661	0.00E+00

MISCELLANEOUS SAMPLES

GROUP 1	
GLN	CONC
703	9.56E-06

GAS F AVERAGE WINDS: SPEED 3.4 M/S ;DIRECTION 47. DEGREES
SOURCE STRENGTH 2.1438 GM/S RELEASED STACK

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
18.	3	8.30E-05	63	0.00E+00	183	0.00E+00	243	0.00E+00
36.	6	9.12E-06	66	0.00E+00	186	0.00E+00	246	0.00E+00
54.	9	1.88E-04	69	0.00E+00	189	0.00E+00	249	0.00E+00
66.	11	0.00E+00	71	2.71E-04	191	0.00E+00	251	0.00E+00
72.	12	3.75E-06	72	1.77E-05	192	0.00E+00	252	0.00E+00
78.	13	0.00E+00	73	5.21E-06	193	0.00E+00	253	0.00E+00
84.	14	0.00E+00	74	1.06E-05	194	0.00E+00	254	0.00E+00
90.	15	1.22E-04	75	6.40E-06	195	0.00E+00	255	0.00E+00
96.	16	0.00E+00	76	6.35E-06	196	0.00E+00	256	1.71E-06
102.	17	0.00E+00	77	1.90E-05	197	1.68E-05	257	9.08E-06
108.	18	1.18E-05	78	8.31E-05	198	0.00E+00	258	9.47E-06
114.	19	0.00E+00	79	2.81E-04	199	0.00E+00	259	0.00E+00
120.	20	0.00E+00	80	4.80E-05	200	0.00E+00	260	3.76E-06
126.	21	7.08E-05	81	0.00E+00	201	2.38E-05	261	0.00E+00
132.	22	0.00E+00	82	2.36E-05	202	0.00E+00	262	1.36E-05
138.	23	0.00E+00	83	0.00E+00	203	1.20E-05	263	0.00E+00
144.	24	7.28E-06	84	3.54E-04	204	0.00E+00	264	5.90E-06
150.	25	0.00E+00	85	0.00E+00	205	1.71E-03	265	2.96E-05
156.	26	0.00E+00	86	1.15E-04	206	2.63E-05	266	2.01E-05
162.	27	8.34E-05	87	6.09E-04	207	1.01E-03	267	0.00E+00
168.	28	0.00E+00	88	4.35E-04	208	4.05E-04	268	1.09E-04
174.	29	0.00E+00	89	1.34E-05	209	1.02E-03	269	0.00E+00

EDCR TEST 14 NRC STAB E 5/6/76 0619-0719 MST

GAS F AVERAGE WINDS: SPEED 3.4 M/S ;DIRECTION 47. DEGREES
SOURCE STRENGTH 2.1438 GM/S RELEASED STACK

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	1200. M		1600. M	
	GLN	CONC	GLN	CONC
171.	357	2.56E-04	477	0.00E+00
174.	358	6.98E-04	478	3.92E-05
177.	359	6.05E-05	479	0.00E+00
180.	360	6.07E-05	480	0.00E+00
183.	361	1.11E-03	481	9.05E-07
186.	362	4.78E-05	482	6.19E-06
189.	363	2.23E-03	483	4.37E-06
192.	364	5.56E-04	484	5.94E-05
195.	365	7.06E-04	485	7.00E-06
198.	366	8.48E-05	486	0.00E+00
201.	367	5.08E-04	487	2.55E-05
204.	368	5.73E-05	488	6.85E-05
207.	369	8.06E-06	489	0.00E+00
210.	370	4.09E-05	490	6.25E-04
213.	371	3.25E-05	491	2.13E-04
216.	372	4.69E-04	492	2.07E-05
219.	373	1.04E-04	493	2.03E-03
222.	374	1.10E-04	494	2.22E-05
225.	375	7.98E-04	495	1.41E-05
228.	376	3.33E-05	496	6.06E-06
231.	377	2.06E-05	497	1.67E-03
234.	378	1.23E-03	498	6.17E-05
237.	379	8.99E-04	499	1.06E-03
240.	380	1.25E-04	500	6.93E-05

TOWER SAMPLES

HEIGHT	TOWER 1		TOWER 2		TOWER 3		TOWER 4	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
0.5	610	2.58E-04	620	0.00E+00	630	0.00E+00	640	0.00E+00
7.5	611	9.67E-05	621	2.49E-05	631	1.01E-04	641	4.91E-04
15.0	612	9.08E-05	622	5.96E-05	632	2.47E-05	642	1.66E-05
23.0	613	6.12E-04	623	5.16E-05	633	0.00E+00	643	1.11E-06
30.5	614	4.34E-05	624	6.90E-05	634	9.96E-05	644	3.49E-04

HEIGHT	TOWER 5		TOWER 6	
	GLN	CONC	GLN	CONC
0.5	650	8.21E-06	660	6.40E-04
7.5	651	4.03E-04	661	0.00E+00
15.0	652	2.90E-05	662	0.00E+00
23.0	653	5.93E-04	663	0.00E+00
30.5	654	3.30E-05	664	0.00E+00

EOCR TEST 14 NRC STAB E 5/6/76 0619-0719 MST

GAS F AVERAGE WINDS: SPEED 3.4 M/S ;DIRECTION 47. DEGREES
SOURCE STRENGTH 2.1438 GM/S RELEASED STACK

MISCELLANEOUS SAMPLES

GROUP 1

GLN	CONC
701	3.47E-04
703	5.10E-05
704	1.89E-05

GAS B AVERAGE WINDS: SPEED 3.3 M/S ;DIRECTION 47. DEGREES
SOURCE STRENGTH 0.1459 GM/S RELEASED ROOF

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
36.	6	6.55E-05	66	0.00E+00	186	0.00E+00	246	0.00E+00
96.	16	0.00E+00	76	7.90E-06	196	0.00E+00	256	0.00E+00
108.	18	2.87E-05	78	0.00E+00	198	0.00E+00	258	0.00E+00
126.	21	0.00E+00	81	3.95E-05	201	0.00E+00	261	0.00E+00
174.	29	0.00E+00	89	0.00E+00	209	1.11E-05	269	0.00E+00
186.	31	0.00E+00	91	0.38E-07	211	0.00E+00	271	0.00E+00
192.	32	0.00E+00	92	0.00E+00	212	3.65E-05	272	1.12E-05
198.	33	6.18E-05	93	0.00E+00	213	0.00E+00	273	0.00E+00
210.	35	0.00E+00	95	6.91E-05	215	0.00E+00	275	1.66E-05
216.	36	6.64E-05	96	1.11E-04	216	0.00E+00	276	0.00E+00
222.	37	0.00E+00	97	1.06E-04	217	4.14E-05	277	7.56E-06
228.	38	0.00E+00	98	2.06E-05	218	0.00E+00	278	0.00E+00
252.	42	0.00E+00	102	2.61E-05	222	0.00E+00	282	0.00E+00

BEARING	1200. M		1600. M	
	GLN	CONC	GLN	CONC
123.	341	0.00E+00	461	4.64E-06
132.	344	0.00E+00	464	0.57E-05
135.	345	5.84E-06	465	0.00E+00
141.	347	0.00E+00	467	7.83E-06
147.	349	0.00E+00	469	6.00E-05
159.	353	0.00E+00	473	7.70E-06
162.	354	0.00E+00	474	1.47E-04
174.	358	0.00E+00	478	1.31E-05
186.	362	0.00E+00	482	7.49E-06
192.	364	4.89E-05	484	1.49E-04
195.	365	0.00E+00	485	7.33E-06
198.	366	0.00E+00	486	1.39E-05
219.	373	1.06E-05	493	0.00E+00
222.	374	1.28E-04	494	0.00E+00
225.	375	0.00E+00	495	1.02E-05
240.	380	0.00E+00	500	2.46E-05

EOCR TEST 14 NRC STAB E 5/6/76 0619-0719 MST

GAS B AVERAGE WINDS: SPEED 3.3 M/S ;DIRECTION 47. DEGREES
SOURCE STRENGTH 0.1459 GM/S RELEASED ROOF

TOWER SAMPLES

HEIGHT	TOWER 1		TOWER 2		TOWER 3		TOWER 4	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
7.5	611	0.00E+00	621	2.20E-05	631	0.00E+00	641	0.00E+00
15.0	612	0.00E+00	622	3.09E-05	632	0.00E+00	642	0.00E+00
23.0	613	0.00E+00	623	3.62E-05	633	0.00E+00	643	0.00E+00
30.5	614	0.00E+00	624	9.00E-06	634	0.00E+00	644	0.00E+00

HEIGHT	TOWER 5		TOWER 6	
	GLN	CONC	GLN	CONC

MISCELLANEOUS SAMPLES

GROUP 1

GLN	CONC
703	1.23E-04
704	8.01E-05

EOCR TEST 15 NRC STAB D 5/12/76 0618-0718 MST

GAS S AVERAGE WINDS: SPEED 2.0 M/S ;DIRECTION 20. DEGREES
SOURCE STRENGTH 0.1533 GM/S RELEASED GROUND

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
18.	3	7.19E-04	63	0.00E+00	183	0.00E+00	243	0.00E+00
36.	6	2.18E-03	66	0.00E+00	186	0.00E+00	246	0.00E+00
54.	9	3.54E-03	69	0.00E+00	189	0.00E+00	249	0.00E+00
72.	12	3.21E-03	72	0.00E+00	192	0.00E+00	252	0.00E+00
90.	15	3.57E-03	75	0.00E+00	195	0.00E+00	255	0.00E+00
108.	18	1.86E-03	78	0.00E+00	198	0.00E+00	258	0.00E+00
126.	21	2.22E-03	81	0.00E+00	201	0.00E+00	261	0.00E+00
132.	22	0.00E+00	82	1.44E-05	202	0.00E+00	262	0.00E+00
138.	23	0.00E+00	83	4.18E-05	203	0.00E+00	263	0.00E+00
144.	24	1.04E-03	84	3.36E-04	204	0.00E+00	264	0.00E+00
150.	25	0.00E+00	85	5.36E-04	205	5.81E-06	265	0.00E+00
156.	26	0.00E+00	86	2.01E-05	206	1.98E-06	266	0.00E+00
162.	27	1.78E-03	87	4.37E-04	207	1.98E-05	267	2.54E-06
168.	28	0.00E+00	88	2.20E-04	208	3.86E-05	268	5.14E-06
174.	29	0.00E+00	89	6.12E-04	209	0.00E+00	269	2.11E-06
180.	30	1.19E-03	90	6.34E-04	210	2.62E-05	270	6.95E-06
186.	31	0.00E+00	91	5.25E-04	211	9.96E-06	271	4.04E-06
192.	32	0.00E+00	92	3.66E-04	212	0.00E+00	272	2.16E-06
198.	33	5.67E-04	93	8.15E-05	213	6.03E-05	273	6.81E-06
204.	34	0.00E+00	94	6.03E-05	214	6.74E-05	274	2.58E-05
210.	35	0.00E+00	95	1.93E-04	215	1.38E-05	275	1.22E-05
216.	36	4.16E-04	96	7.54E-05	216	3.13E-05	276	0.00E+00
222.	37	0.00E+00	97	1.10E-04	217	2.60E-06	277	0.00E+00
228.	38	0.00E+00	98	8.49E-05	218	0.00E+00	278	0.00E+00
234.	39	1.30E-04	99	0.04E-05	219	0.00E+00	279	0.00E+00
240.	40	0.00E+00	100	1.26E-06	220	0.00E+00	280	0.00E+00
246.	41	0.00E+00	101	1.37E-05	221	0.00E+00	281	0.00E+00
252.	42	1.20E-05	102	0.00E+00	222	0.00E+00	282	0.00E+00
270.	45	7.63E-05	105	0.00E+00	225	0.00E+00	285	0.00E+00
288.	48	9.95E-05	108	0.00E+00	228	0.00E+00	288	0.00E+00
306.	51	3.71E-05	111	0.00E+00	231	0.00E+00	291	0.00E+00
324.	54	6.37E-05	114	0.00E+00	234	0.00E+00	294	0.00E+00
342.	57	6.06E-05	117	0.00E+00	237	0.00E+00	297	0.00E+00
360.	60	5.73E-04	120	0.00E+00	240	0.00E+00	300	0.00E+00

BEARING	1200. M		1600. M	
	GLN	CONC	GLN	CONC
162.	354	2.27E-06	474	0.00E+00
168.	356	3.86E-06	476	8.69E-07
171.	357	2.55E-06	477	1.63E-06
174.	358	9.18E-07	478	1.06E-06
177.	359	2.42E-06	479	0.00E+00
180.	360	2.42E-06	480	0.00E+00
183.	361	0.00E+00	481	2.22E-06

EOCR TEST 15 NRC STAB D 5/12/76 0618-0718 MST

GAS F AVERAGE WINDS: SPEED 4.9 M/S ;DIRECTION 22. DEGREES
SOURCE STRENGTH 1.5907 GM/S RELEASED STACK

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
132.	22	0.00E+00	82	1.08E-05	202	1.57E-05	262	1.97E-05
138.	23	0.00E+00	83	1.64E-06	203	1.19E-05	263	0.00E+00
144.	24	7.78E-05	84	0.00E+00	204	1.23E-05	264	1.19E-05
150.	25	0.00E+00	85	0.00E+00	205	3.09E-05	265	0.00E+00
156.	26	0.00E+00	86	3.38E-05	205	0.00E+00	266	0.00E+00
162.	27	0.00E+00	87	2.58E-04	207	1.47E-05	267	3.28E-05
168.	28	0.00E+00	88	1.53E-04	208	5.43E-05	268	0.00E+00
174.	29	0.00E+00	89	3.83E-04	209	1.89E-05	269	0.00E+00
180.	30	0.00E+00	90	3.56E-04	210	4.96E-05	270	3.58E-05
186.	31	0.00E+00	91	2.09E-04	211	5.09E-06	271	4.48E-05
192.	32	0.00E+00	92	2.38E-04	212	1.58E-05	272	0.00E+00
198.	33	1.74E-04	93	2.06E-04	213	8.39E-05	273	3.39E-05
204.	34	0.00E+00	94	5.81E-05	214	1.18E-04	274	4.36E-05
210.	35	0.00E+00	95	1.70E-04	215	5.10E-05	275	3.08E-05
216.	36	0.00E+00	96	9.95E-05	216	7.43E-05	276	1.23E-05
222.	37	0.00E+00	97	0.00E+00	217	2.13E-06	277	0.00E+00
228.	38	0.00E+00	98	0.00E+00	218	0.00E+00	278	9.72E-06
234.	39	0.00E+00	99	4.09E-05	219	9.65E-06	279	0.00E+00
240.	40	0.00E+00	100	2.73E-05	220	0.00E+00	280	1.15E-05
246.	41	0.00E+00	101	0.00E+00	221	1.55E-05	281	6.45E-06
252.	42	8.41E-05	102	0.00E+00	222	0.00E+00	282	0.00E+00
306.	51	2.56E-05	111	0.00E+00	231	0.00E+00	291	0.00E+00

BEARING	1200. M		1600. M	
	GLN	CONC	GLN	CONC
123.	341	2.72E-06	451	0.00E+00
126.	342	1.07E-05	452	0.00E+00
129.	343	0.00E+00	453	4.04E-05
132.	344	7.49E-06	454	0.00E+00
135.	345	0.00E+00	455	1.17E-05
138.	346	1.04E-05	456	5.90E-06
141.	347	1.68E-05	457	1.11E-05
144.	348	0.00E+00	458	1.17E-05
147.	349	7.91E-06	459	1.35E-05
150.	350	2.41E-05	470	0.00E+00
156.	352	1.43E-05	472	1.34E-05
159.	353	0.00E+00	473	0.79E-06
162.	354	9.82E-06	474	0.00E+00
168.	356	1.43E-05	476	0.47E-06
171.	357	1.28E-05	477	1.47E-05
174.	358	0.00E+00	478	1.10E-05
177.	359	1.32E-05	479	1.48E-05
180.	360	1.29E-05	480	4.24E-05
183.	361	0.00E+00	481	1.54E-05

EOCR TEST 15 NRC STAB D 5/12/76 0618-0718 MST

GAS S AVERAGE WINDS: SPEED 2.0 M/S ;DIRECTION 20. DEGREES
SOURCE STRENGTH 0.1533 GM/S RELEASED GROUND

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	1200. M		1600. M	
	GLN	CONC	GLN	CONC
186.	362	0.00E+00	482	2.14E-06
189.	363	0.00E+00	483	2.22E-06
192.	364	0.00E+00	484	1.39E-06
195.	365	8.09E-06	485	2.89E-06
198.	366	3.03E-06	486	5.78E-06
201.	367	1.06E-05	487	6.98E-06
204.	368	7.77E-06	488	3.90E-06
207.	369	9.73E-06	489	0.00E+00
210.	370	4.22E-06	490	6.18E-06
213.	371	1.84E-06	491	0.00E+00
216.	372	0.00E+00	492	1.21E-06
219.	373	0.00E+00	493	5.39E-07
222.	374	1.02E-06	494	6.86E-07

TOWER SAMPLES

HEIGHT	TOWER 1		TOWER 2		TOWER 3		TOWER 4	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
0.5	610	6.34E-04	620	0.15E-05	630	0.00E+00	640	0.00E+00
7.5	611	1.63E-04	621	0.00E+00	631	2.63E-06	641	1.28E-04
15.0	612	0.00E+00	622	0.00E+00	632	0.00E+00	642	8.90E-05
23.0	613	5.62E-05	623	0.00E+00	633	0.00E+00	643	7.69E-07

HEIGHT	TOWER 5		TOWER 6	
	GLN	CONC	GLN	CONC
0.5	650	2.62E-05	660	6.03E-05
7.5	651	0.00E+00	661	6.14E-05
15.0	652	1.59E-05	662	3.56E-05
23.0	653	1.16E-05	663	2.67E-05
30.5	654	1.28E-05	664	3.46E-05

MISCELLANEOUS SAMPLES

GROUP 1	
GLN	CONC
701	8.68E-04
702	6.96E-04
703	8.93E-04
704	4.86E-06

EOCR TEST 15 NRC STAB D 5/12/76 0618-0718 MST

GAS F AVERAGE WINDS: SPEED 4.9 M/S ;DIRECTION 22. DEGREES
SOURCE STRENGTH 1.5907 GM/S RELEASED STACK

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	1200. M		1600. M	
	GLN	CONC	GLN	CONC
186.	362	5.16E-05	482	1.50E-05
189.	363	2.63E-05	483	1.11E-05
192.	364	2.69E-05	484	2.08E-06
195.	365	3.13E-05	485	1.54E-05
198.	366	0.00E+00	486	1.07E-05
201.	367	2.79E-05	487	3.17E-05
204.	368	1.45E-06	488	2.24E-06
207.	369	3.11E-05	489	0.00E+00
210.	370	2.78E-05	490	2.29E-05
216.	372	2.69E-05	492	1.40E-05
219.	373	0.00E+00	493	2.14E-06
222.	374	1.06E-05	494	1.22E-05
225.	375	4.41E-05	495	4.05E-06
228.	376	0.00E+00	496	8.20E-06
231.	377	4.27E-05	497	0.00E+00
234.	378	0.00E+00	498	1.33E-05
237.	379	9.72E-06	499	0.00E+00

TOWER SAMPLES

HEIGHT	TOWER 1		TOWER 2		TOWER 3		TOWER 4	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
0.5	610	3.36E-04	620	2.86E-04	630	0.00E+00	640	0.00E+00
7.5	611	1.82E-04	621	0.00E+00	631	6.30E-05	641	1.52E-04
15.0	612	0.00E+00	622	0.00E+00	632	1.89E-05	642	1.67E-04
23.0	613	2.77E-04	623	0.00E+00	633	4.56E-05	643	1.13E-04
30.5	614	0.00E+00	624	0.00E+00	634	9.61E-05	644	2.34E-04

HEIGHT	TOWER 5		TOWER 6	
	GLN	CONC	GLN	CONC
0.5	650	4.96E-05	660	0.39E-05
7.5	651	1.11E-04	661	0.33E-05
15.0	652	2.19E-05	662	2.23E-05
23.0	653	2.46E-06	663	0.00E+00
30.5	654	3.30E-05	664	5.67E-05

MISCELLANEOUS SAMPLES

GROUP 1	
GLN	CONC
702	1.21E-04

EDCR TEST 15 NRC STAB D 5/12/76 0618-0718 MST

GAS B AVERAGE WINDS: SPEED 4.8 M/S ;DIRECTION 22. DEGREES
SOURCE STRENGTH 0.1706 GM/S RELEASED ROOF

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
108.	18	1.81E-04	78	0.00E+00	198	0.00E+00	258	0.00E+00
126.	21	7.63E-06	81	0.00E+00	201	0.00E+00	261	0.00E+00
144.	24	1.83E-04	84	0.00E+00	204	0.00E+00	264	0.00E+00
150.	25	0.00E+00	85	1.61E-05	205	0.00E+00	265	0.00E+00
162.	27	2.02E-04	87	5.55E-05	207	0.00E+00	267	0.00E+00
168.	28	0.00E+00	88	1.49E-04	208	0.00E+00	268	2.16E-06
174.	29	0.00E+00	89	1.55E-04	209	3.51E-06	269	0.00E+00
180.	30	3.51E-04	90	1.63E-04	210	0.00E+00	270	9.67E-06
186.	31	0.00E+00	91	1.67E-04	211	0.00E+00	271	0.00E+00
192.	32	0.00E+00	92	4.21E-04	212	0.00E+00	272	0.00E+00
198.	33	7.48E-04	93	1.81E-04	213	0.00E+00	273	0.00E+00
204.	34	0.00E+00	94	7.71E-06	214	6.65E-05	274	0.00E+00
210.	35	0.00E+00	95	3.18E-04	215	0.00E+00	275	6.65E-06
216.	36	8.49E-05	96	1.83E-05	216	0.00E+00	276	0.00E+00
228.	38	0.00E+00	98	2.24E-05	218	0.00E+00	278	0.00E+00
234.	39	1.46E-06	99	1.26E-05	219	0.00E+00	279	0.00E+00
288.	48	3.18E-05	108	0.00E+00	228	0.00E+00	288	0.00E+00

BEARING	1200. M		1600. M	
	GLN	CONC	GLN	CONC
135.	345	2.25E-05	465	0.00E+00
147.	349	0.00E+00	469	1.13E-04
150.	350	0.00E+00	470	4.90E-05
159.	353	0.00E+00	473	8.57E-05
162.	354	3.52E-05	474	0.00E+00
165.	355	5.22E-06	475	0.00E+00
171.	357	0.00E+00	477	1.99E-04
174.	358	1.53E-05	478	1.87E-06
180.	360	0.00E+00	480	5.86E-06
183.	361	5.68E-06	481	0.00E+00
186.	362	0.00E+00	482	1.95E-05
195.	365	0.00E+00	485	3.22E-05
198.	366	0.00E+00	486	3.31E-05
201.	367	0.00E+00	487	1.92E-04
204.	368	1.36E-05	488	0.00E+00
219.	373	0.00E+00	493	1.92E-05
222.	374	1.46E-05	494	0.00E+00
240.	380	0.00E+00	500	1.68E-04

EDCR TEST 15 NRC STAB D 5/12/76 0618-0718 MST

GAS B AVERAGE WINDS: SPEED 4.8 M/S ;DIRECTION 22. DEGREES
SOURCE STRENGTH 0.1706 GM/S RELEASED ROOF

TOWER SAMPLES

HEIGHT	TOWER 1		TOWER 2		TOWER 3		TOWER 4	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
0.5	610	1.63E-04	620	1.81E-04	630	0.00E+00	640	0.00E+00
7.5	611	8.95E-05	621	0.00E+00	631	9.24E-04	641	2.84E-04
15.0	612	0.00E+00	622	0.00E+00	632	1.04E-03	642	5.68E-05
23.0	613	9.47E-05	623	0.00E+00	633	9.21E-04	643	1.68E-04
30.5	614	0.00E+00	624	0.00E+00	634	0.00E+00	644	2.28E-05

HEIGHT	TOWER 5		TOWER 6	
	GLN	CONC	GLN	CONC
7.5	651	0.00E+00	661	3.12E-05
15.0	652	8.07E-05	662	1.30E-04
23.0	653	9.94E-05	663	6.37E-05
30.5	654	3.22E-05	664	2.31E-04

MISCELLANEOUS SAMPLES

GROUP 1	
GLN	CONC
702	7.90E-04
703	8.12E-05

EOCR TEST 16 NRC STAB D 5/18/76 0616-0716 MST

GAS S AVERAGE WINDS: SPEED 3.1 M/S ;DIRECTION 25. DEGREES
SOURCE STRENGTH 0.1593 GM/S RELEASED GROUND

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
18.	3	1.39E-04	63	0.00E+00	183	0.00E+00	243	0.00E+00
36.	6	2.99E-03	66	0.00E+00	186	0.00E+00	246	0.00E+00
54.	9	7.10E-03	69	0.00E+00	189	0.00E+00	249	0.00E+00
72.	12	4.65E-03	72	0.00E+00	192	0.00E+00	252	0.00E+00
78.	13	0.00E+00	73	2.40E-06	193	0.00E+00	253	0.00E+00
90.	15	4.36E-03	75	0.00E+00	195	0.00E+00	255	0.00E+00
108.	18	2.67E-03	78	0.00E+00	198	0.00E+00	258	0.00E+00
120.	20	0.00E+00	80	1.24E-05	200	0.00E+00	260	0.00E+00
126.	21	1.98E-03	81	7.22E-05	201	0.00E+00	261	0.00E+00
132.	22	0.00E+00	82	2.51E-04	202	0.00E+00	262	0.00E+00
138.	23	0.00E+00	83	4.68E-04	203	1.83E-06	263	0.00E+00
144.	24	2.49E-03	84	6.63E-04	204	4.45E-06	264	0.00E+00
150.	25	0.00E+00	85	7.46E-04	205	0.00E+00	265	0.00E+00
156.	26	0.00E+00	86	6.06E-04	206	2.26E-05	266	2.63E-06
162.	27	1.75E-03	87	4.90E-04	207	1.63E-05	267	4.71E-06
168.	28	0.00E+00	88	6.37E-06	208	1.85E-05	268	3.75E-06
174.	29	0.00E+00	89	7.20E-04	209	4.52E-07	269	4.22E-06
180.	30	1.39E-03	90	6.70E-04	210	3.05E-05	270	7.06E-06
186.	31	0.00E+00	91	5.77E-04	211	4.53E-05	271	9.50E-07
192.	32	0.00E+00	92	5.51E-04	212	2.62E-05	272	9.23E-06
198.	33	1.09E-03	93	3.85E-04	213	2.69E-05	273	1.26E-05
204.	34	0.00E+00	94	1.60E-04	214	3.99E-05	274	2.71E-06
210.	35	0.00E+00	95	4.55E-04	215	5.89E-05	275	1.24E-05
216.	36	7.09E-04	96	2.24E-04	216	4.94E-05	276	3.78E-06
222.	37	0.00E+00	97	2.29E-04	217	2.15E-05	277	0.00E+00
228.	38	0.00E+00	98	0.60E-05	218	5.70E-06	278	0.00E+00
234.	39	9.14E-05	99	4.47E-06	219	0.00E+00	279	0.00E+00
240.	40	0.00E+00	100	1.06E-04	220	0.00E+00	280	8.01E-07
246.	41	0.00E+00	101	6.49E-05	221	0.00E+00	281	0.00E+00
252.	42	1.99E-04	102	3.76E-05	222	0.00E+00	282	0.00E+00
258.	43	0.00E+00	103	1.28E-05	223	0.00E+00	283	0.00E+00
264.	44	0.00E+00	104	5.50E-06	224	0.00E+00	284	0.00E+00
270.	45	6.33E-05	105	0.00E+00	225	0.00E+00	285	0.00E+00
276.	46	0.00E+00	106	1.04E-06	226	0.00E+00	286	0.00E+00
288.	48	5.89E-05	108	0.00E+00	228	0.00E+00	288	0.00E+00
306.	51	1.87E-06	111	0.00E+00	231	0.00E+00	291	0.00E+00
324.	54	6.03E-05	114	0.00E+00	234	0.00E+00	294	0.00E+00
342.	57	1.20E-04	117	0.00E+00	237	0.00E+00	297	0.00E+00
360.	60	3.15E-04	120	0.00E+00	240	0.00E+00	300	0.00E+00

EOCR TEST 16 NRC STAB D 5/18/76 0616-0716 MST

GAS S AVERAGE WINDS: SPEED 3.1 M/S ;DIRECTION 25. DEGREES
SOURCE STRENGTH 0.1593 GM/S RELEASED GROUND

MISCELLANEOUS SAMPLES

GROUP 1

GLN	CONC
701	1.58E-03
702	3.01E-04
703	2.22E-04
704	1.60E-03

GAS F AVERAGE WINDS: SPEED 3.7 M/S ;DIRECTION 30. DEGREES
SOURCE STRENGTH 1.6086 GM/S RELEASED STACK

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
18.	3	1.25E-04	63	0.00E+00	183	0.00E+00	243	0.00E+00
66.	11	0.00E+00	71	0.91E-06	191	0.00E+00	251	0.00E+00
72.	12	0.00E+00	72	1.27E-05	192	0.00E+00	252	0.00E+00
78.	13	0.00E+00	73	1.51E-05	193	0.00E+00	253	0.00E+00
96.	16	0.00E+00	76	5.59E-06	196	0.00E+00	256	0.00E+00
102.	17	0.00E+00	77	3.43E-06	197	0.00E+00	257	0.00E+00
108.	18	0.00E+00	78	2.07E-05	198	0.00E+00	258	0.00E+00
120.	20	0.00E+00	80	9.31E-06	200	0.00E+00	260	0.00E+00
132.	22	0.00E+00	82	0.00E+00	202	0.00E+00	262	1.39E-05
144.	24	0.00E+00	84	6.04E-05	204	5.22E-06	264	3.16E-06
150.	25	0.00E+00	85	1.06E-04	205	7.04E-05	265	4.03E-06
156.	26	0.00E+00	86	0.00E+00	206	6.27E-05	266	1.67E-06
162.	27	0.00E+00	87	6.48E-05	207	1.06E-05	267	0.00E+00
168.	28	0.00E+00	88	1.25E-04	208	2.20E-05	268	2.01E-05
174.	29	0.00E+00	89	9.31E-05	209	1.78E-05	269	1.56E-05
180.	30	1.17E-04	90	1.52E-04	210	6.37E-05	270	6.48E-06
186.	31	0.00E+00	91	4.39E-04	211	2.60E-05	271	0.00E+00
192.	32	0.00E+00	92	2.05E-04	212	7.39E-05	272	4.97E-05
198.	33	1.17E-04	93	5.17E-04	213	2.07E-05	273	0.00E+00
204.	34	0.00E+00	94	1.33E-04	214	9.26E-05	274	1.43E-05
210.	35	0.00E+00	95	3.89E-04	215	3.78E-05	275	2.69E-05
216.	36	0.00E+00	96	7.66E-05	216	2.91E-05	276	2.37E-05
222.	37	0.00E+00	97	1.29E-04	217	4.61E-05	277	0.00E+00
228.	38	0.00E+00	98	2.22E-05	218	0.00E+00	278	0.00E+00
234.	39	1.18E-04	99	2.33E-04	219	0.00E+00	279	0.00E+00
240.	40	0.00E+00	100	0.00E+00	220	1.32E-05	280	9.92E-05
246.	41	0.00E+00	101	0.00E+00	221	0.00E+00	281	2.26E-05
264.	44	0.00E+00	104	1.07E-05	224	0.00E+00	284	0.00E+00
276.	46	0.00E+00	106	1.63E-05	226	0.00E+00	286	0.00E+00
282.	47	0.00E+00	107	3.01E-05	227	0.00E+00	287	0.00E+00
288.	48	0.00E+00	108	4.27E-06	228	0.00E+00	288	0.00E+00

EOCR TEST 16 NRC STAB D 5/18/76 0616-0716 MST

GAS S AVERAGE WINDS: SPEED 3.1 M/S ;DIRECTION 25. DEGREES
SOURCE STRENGTH 0.1593 GM/S RELEASED GROUND

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	1200. M		1600. M	
	GLN	CONC	GLN	CONC
123.	341	1.20E-06	461	0.00E+00
126.	342	0.00E+00	462	3.00E-06
147.	349	0.00E+00	469	1.15E-06
156.	352	8.58E-07	472	0.00E+00
159.	353	6.08E-07	473	0.00E+00
165.	355	2.13E-06	475	0.00E+00
168.	356	7.35E-06	476	0.00E+00
171.	357	9.08E-06	477	6.56E-06
174.	358	5.13E-06	478	3.20E-06
177.	359	0.00E+00	479	1.19E-06
180.	360	2.81E-06	480	9.37E-06
183.	361	4.79E-06	481	5.52E-06
186.	362	4.32E-06	482	0.00E+00
189.	363	2.37E-06	483	4.23E-06
195.	365	6.47E-06	485	7.04E-07
198.	366	8.18E-06	486	6.98E-06
201.	367	9.22E-06	487	0.00E+00
204.	368	5.72E-06	488	4.61E-06
207.	369	5.49E-06	489	0.61E-06
210.	370	6.73E-06	490	3.46E-06
213.	371	7.68E-06	491	0.00E+00
216.	372	1.36E-06	492	3.45E-05
219.	373	4.52E-07	493	0.00E+00
222.	374	1.23E-06	494	0.00E+00
240.	380	0.00E+00	500	9.36E-07

TOWER SAMPLES

HEIGHT	TOWER 1		TOWER 2		TOWER 3		TOWER 4	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
0.5	610	6.70E-04	620	3.85E-04	630	0.00E+00	640	0.00E+00
7.5	611	4.70E-04	621	2.04E-06	631	9.39E-05	641	1.57E-04
15.0	612	2.65E-04	622	2.43E-06	632	1.03E-04	642	1.34E-04
23.0	613	1.20E-04	623	5.31E-06	633	0.00E+00	643	0.00E+00
30.5	614	8.55E-05	624	0.00E+00	634	9.57E-05	644	9.54E-06

HEIGHT	TOWER 5		TOWER 6	
	GLN	CONC	GLN	CONC
0.5	650	3.05E-05	660	2.69E-05
7.5	651	3.12E-05	661	3.17E-05
15.0	652	3.51E-05	662	3.51E-05
23.0	653	3.99E-05	663	0.00E+00
30.5	654	2.31E-05	664	2.92E-05

EOCR TEST 16 NRC STAB D 5/18/76 0616-0716 MST

GAS F AVERAGE WINDS: SPEED 3.7 M/S ;DIRECTION 30. DEGREES
SOURCE STRENGTH 1.6086 GM/S RELEASED STACK

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
294.	49	0.00E+00	109	4.61E-06	229	0.00E+00	289	0.00E+00
300.	50	0.00E+00	110	9.38E-06	230	0.00E+00	290	0.00E+00
306.	51	1.11E-04	111	0.00E+00	231	0.00E+00	291	0.00E+00

BEARING	1200. M		1600. M	
	GLN	CONC	GLN	CONC
123.	341	3.52E-06	461	0.00E+00
126.	342	0.00E+00	462	2.86E-05
129.	343	4.71E-06	463	1.54E-05
135.	345	3.49E-06	465	0.00E+00
138.	346	0.00E+00	466	3.07E-06
141.	347	1.64E-05	467	0.00E+00
144.	348	0.00E+00	468	1.46E-05
147.	349	1.47E-05	469	0.00E+00
153.	351	1.66E-05	471	0.00E+00
156.	352	0.00E+00	472	1.26E-05
159.	353	1.40E-05	473	1.31E-04
168.	356	1.84E-05	476	0.00E+00
171.	357	4.72E-06	477	3.92E-05
174.	358	9.41E-06	478	8.76E-06
177.	359	0.00E+00	479	1.15E-05
183.	361	1.79E-05	481	0.00E+00
186.	362	0.00E+00	482	3.66E-06
189.	363	1.97E-05	483	0.00E+00
192.	364	0.00E+00	484	1.77E-05
198.	366	3.57E-05	486	3.35E-05
204.	368	4.25E-05	488	0.00E+00
210.	370	2.35E-05	490	0.00E+00
216.	372	6.77E-05	492	8.32E-06
222.	374	1.60E-05	494	0.00E+00
225.	375	3.69E-05	495	0.00E+00
228.	376	1.39E-05	496	0.00E+00
231.	377	0.00E+00	497	9.60E-06
234.	378	1.75E-05	498	0.00E+00
237.	379	0.00E+00	499	5.76E-06
240.	380	8.52E-07	500	1.43E-05

EOCR TEST 16 NRC STAB D 5/18/76 0616-0716 MST

GAS F AVERAGE WINDS: SPEED 3.7 M/S ;DIRECTION 30. DEGREES
SOURCE STRENGTH 1.6086 GM/S RELEASED STACK

TOWER SAMPLES

HEIGHT	TOWER 1		TOWER 2		TOWER 3		TOWER 4	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
0.5	610	1.52E-04	620	5.17E-04	630	0.00E+00	640	0.00E+00
7.5	611	1.97E-04	621	4.69E-05	631	2.37E-04	641	3.57E-04
15.0	612	2.56E-04	622	1.12E-04	632	1.31E-04	642	9.93E-05
23.0	613	4.19E-04	623	1.31E-04	633	9.30E-04	643	1.10E-03
30.5	614	1.94E-04	624	2.33E-05	634	1.09E-04	644	1.53E-04

HEIGHT	TOWER 5		TOWER 6	
	GLN	CONC	GLN	CONC
0.5	650	6.37E-05	660	2.07E-05
7.5	651	9.79E-05	661	4.25E-05
15.0	652	5.69E-05	662	4.25E-05
23.0	653	1.71E-05	663	1.79E-04
30.5	654	4.25E-05	664	7.35E-05

MISCELLANEOUS SAMPLES

GROUP 1	
GLN	CONC

GAS B AVERAGE WINDS: SPEED 3.6 M/S ;DIRECTION 30. DEGREES
SOURCE STRENGTH 0.6959 GM/S RELEASED ROOF

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
36.	6	4.57E-06	66	0.00E+00	186	0.00E+00	246	0.00E+00
72.	12	1.40E-07	72	0.00E+00	192	0.00E+00	252	0.00E+00
90.	15	7.87E-06	75	0.00E+00	195	0.00E+00	255	0.00E+00
108.	18	1.71E-05	78	0.00E+00	198	0.00E+00	258	0.00E+00
126.	21	2.42E-05	81	3.10E-06	201	0.00E+00	261	0.00E+00
138.	23	0.00E+00	83	6.53E-06	203	6.42E-08	263	5.97E-08
144.	24	1.36E-04	84	3.11E-05	204	0.00E+00	264	0.00E+00
150.	25	0.00E+00	85	7.13E-05	205	4.52E-06	265	0.00E+00
156.	26	0.00E+00	86	6.38E-05	206	3.96E-06	266	1.26E-07
162.	27	1.62E-04	87	3.90E-05	207	6.33E-06	267	0.00E+00
168.	28	0.00E+00	88	5.60E-07	208	4.55E-06	268	0.00E+00
174.	29	0.00E+00	89	1.24E-04	209	7.02E-06	269	0.00E+00
180.	30	2.63E-04	90	1.61E-04	210	9.15E-06	270	1.22E-06
186.	31	0.00E+00	91	1.97E-04	211	2.00E-05	271	3.08E-08
192.	32	0.00E+00	92	1.09E-04	212	1.05E-05	272	1.44E-06
198.	33	2.43E-04	93	1.44E-04	213	2.11E-05	273	2.72E-06
204.	34	0.00E+00	94	9.11E-05	214	1.05E-05	274	0.00E+00
210.	35	0.00E+00	95	1.69E-04	215	2.63E-05	275	5.32E-06

EOCR TEST 16 NRC STAB D 5/18/76 0616-0716 MST

GAS B AVERAGE WINDS: SPEED 3.6 M/S ;DIRECTION 30. DEGREES
SOURCE STRENGTH 0.6959 GM/S RELEASED ROOF

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
216.	36	9.42E-05	96	5.25E-05	216	1.68E-05	276	9.12E-07
222.	37	0.00E+00	97	3.19E-05	217	5.19E-06	277	0.00E+00
228.	38	0.00E+00	98	7.79E-06	218	0.00E+00	278	0.00E+00
240.	40	0.00E+00	100	2.41E-07	220	0.00E+00	280	0.00E+00
252.	42	6.56E-07	102	3.34E-06	222	0.00E+00	282	0.00E+00
270.	45	0.00E+00	105	5.18E-07	225	0.00E+00	285	0.00E+00
282.	47	0.00E+00	107	9.26E-07	227	0.00E+00	287	0.00E+00
288.	48	6.13E-06	108	0.00E+00	228	0.00E+00	288	0.00E+00
324.	54	4.06E-07	114	0.00E+00	234	0.00E+00	294	0.00E+00
360.	60	1.83E-07	120	0.00E+00	240	0.00E+00	300	0.00E+00

BEARING	1200. M		1600. M	
	GLN	CONC	GLN	CONC
147.	349	0.00E+00	469	1.19E-05
150.	350	1.24E-07	470	5.81E-06
156.	352	3.04E-07	472	0.00E+00
162.	354	4.71E-06	474	0.00E+00
171.	357	0.00E+00	477	1.79E-06
174.	358	9.46E-07	478	6.65E-07
177.	359	0.00E+00	479	2.33E-06
180.	360	2.66E-07	480	5.12E-06
183.	361	1.82E-06	481	2.46E-06
186.	362	3.16E-06	482	1.30E-05
189.	363	0.00E+00	483	4.51E-06
192.	364	0.00E+00	484	5.64E-05
195.	365	7.92E-07	485	4.84E-06
198.	366	1.02E-06	486	2.14E-06
201.	367	7.20E-07	487	0.00E+00
204.	368	2.96E-06	488	1.62E-06
207.	369	3.22E-06	489	2.71E-05
210.	370	7.39E-07	490	4.00E-07
213.	371	3.54E-06	491	0.00E+00
219.	373	6.85E-07	493	1.31E-05
222.	374	5.20E-06	494	2.50E-06
228.	376	0.00E+00	496	7.62E-07
231.	377	7.79E-08	497	0.00E+00
234.	378	0.00E+00	498	7.10E-06

EOCR TEST 16 NRC STAB D 5/18/76 0616-0716 MST

GAS B AVERAGE WINDS: SPEED 3.6 M/S ;DIRECTION 30. DEGREES
SOURCE STRENGTH 0.6959 GM/S RELEASED ROOF

TOWER SAMPLES

HEIGHT	TOWER 1		TOWER 2		TOWER 3		TOWER 4	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
0.5	610	1.61E-04	620	1.44E-04	630	0.00E+00	640	0.00E+00
7.5	611	1.79E-04	621	4.82E-05	631	5.06E-05	641	7.09E-05
15.0	612	1.92E-04	622	2.71E-05	632	4.85E-05	642	7.44E-05
23.0	613	1.34E-04	623	2.87E-05	633	0.00E+00	643	9.42E-06
30.5	614	9.85E-05	624	0.00E+00	634	2.74E-05	644	8.18E-05

HEIGHT	TOWER 5		TOWER 6	
	GLN	CONC	GLN	CONC
0.5	650	9.15E-06	660	2.11E-05
7.5	651	1.59E-05	661	1.88E-05
15.0	652	1.87E-05	662	1.92E-05
23.0	653	3.50E-05	663	0.00E+00
30.5	654	5.96E-05	664	4.26E-05

MISCELLANEOUS SAMPLES

GROUP 1	
GLN	CONC
702	4.70E-05
703	6.95E-06
704	6.21E-04

EOCR TEST 17 NRC STAB G 5/21/76 0451-0551 MST

GAS S AVERAGE WINDS: SPEED 1.1 M/S ;DIRECTION 342. DEGREES
SOURCE STRENGTH 0.1688 GM/S RELEASED GROUND

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
18.	3	1.97E-03	63	0.00E+00	183	0.00E+00	243	0.00E+00
36.	6	7.17E-04	66	0.00E+00	186	0.00E+00	246	0.00E+00
54.	9	2.39E-03	69	0.00E+00	189	0.00E+00	249	0.00E+00
66.	11	0.00E+00	71	1.16E-06	191	0.00E+00	251	0.00E+00
72.	12	1.77E-03	72	2.75E-05	192	0.00E+00	252	0.00E+00
76.	13	0.00E+00	73	3.43E-05	193	0.00E+00	253	0.00E+00
84.	14	0.00E+00	74	4.23E-05	194	0.00E+00	254	0.00E+00
90.	15	2.10E-03	75	0.03E-07	195	0.00E+00	255	0.00E+00
96.	16	0.00E+00	76	7.99E-05	196	5.74E-06	256	1.39E-06
102.	17	0.00E+00	77	4.16E-05	197	0.00E+00	257	1.19E-06
108.	18	1.03E-03	78	4.25E-04	198	4.90E-06	258	7.89E-06
114.	19	0.00E+00	79	5.42E-04	199	1.72E-05	259	8.95E-06
120.	20	0.00E+00	80	1.26E-03	200	2.57E-05	260	1.04E-05
126.	21	3.59E-04	81	6.35E-04	201	2.99E-05	261	8.66E-06
132.	22	0.00E+00	82	1.32E-03	202	7.29E-06	262	6.40E-06
138.	23	0.00E+00	83	5.18E-04	203	6.20E-06	263	1.84E-06
144.	24	5.10E-06	84	6.91E-04	204	5.07E-06	264	4.97E-06
150.	25	0.00E+00	85	5.77E-04	205	0.00E+00	265	0.00E+00
156.	26	0.00E+00	86	3.02E-04	206	9.40E-06	266	1.71E-04
162.	27	6.56E-05	87	3.02E-04	207	1.47E-05	267	5.79E-05
168.	28	0.00E+00	88	1.60E-06	208	7.35E-05	268	3.32E-04
174.	29	0.00E+00	89	3.00E-05	209	7.49E-06	269	1.19E-05
180.	30	1.24E-04	90	0.00E+00	210	1.76E-05	270	4.23E-06
186.	31	0.00E+00	91	2.05E-05	211	1.33E-05	271	1.03E-05
192.	32	0.00E+00	92	1.15E-05	212	1.32E-05	272	7.81E-04
198.	33	4.69E-05	93	1.22E-05	213	9.34E-06	273	1.88E-05
204.	34	0.00E+00	94	0.00E+00	214	1.44E-05	274	3.52E-06
210.	35	0.00E+00	95	1.63E-06	215	1.00E-05	275	9.71E-06
216.	36	5.06E-05	96	2.07E-05	216	0.00E+00	276	2.88E-06
222.	37	0.00E+00	97	2.03E-05	217	1.48E-05	277	9.59E-05
228.	38	0.00E+00	98	2.20E-05	218	8.33E-06	278	8.29E-06
234.	39	3.33E-05	99	0.00E+00	219	1.51E-05	279	3.93E-06
240.	40	0.00E+00	100	9.67E-05	220	1.40E-05	280	1.88E-04
246.	41	0.00E+00	101	2.22E-05	221	1.46E-05	201	9.81E-06
252.	42	6.26E-05	102	1.04E-05	222	1.02E-05	282	1.12E-05
258.	43	0.00E+00	103	1.60E-05	223	0.00E+00	283	2.00E-04
264.	44	0.00E+00	104	0.93E-06	224	2.98E-07	284	7.68E-06
270.	45	6.42E-05	105	1.93E-05	225	1.35E-05	285	4.37E-06
276.	46	0.00E+00	106	6.45E-05	226	0.00E+00	286	0.00E+00
282.	47	0.00E+00	107	7.33E-05	227	0.00E+00	287	0.00E+00
288.	48	1.73E-04	108	1.15E-04	228	0.00E+00	288	0.00E+00
294.	49	0.00E+00	109	1.30E-04	229	0.00E+00	289	0.00E+00
300.	50	0.00E+00	110	7.72E-05	230	0.00E+00	290	0.00E+00

EOCR TEST 17 NRC STAB G 5/21/76 0451-0551 MST

GAS S AVERAGE WINDS: SPEED 1.1 M/S ;DIRECTION 342. DEGREES
SOURCE STRENGTH 0.1688 GM/S RELEASED GROUND

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	1200. M		1600. M	
	GLN	CONC	GLN	CONC
234.	378	3.02E-07	498	3.20E-06
237.	379	1.85E-06	499	1.32E-06
240.	380	1.91E-06	500	2.39E-06

TOWER SAMPLES

HEIGHT	TOWER 1		TOWER 2		TOWER 3		TOWER 4	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
0.5	610	0.00E+00	620	1.22E-05	630	0.00E+00	640	0.00E+00
7.5	611	1.60E-07	621	0.00E+00	631	4.01E-05	641	1.25E-05
15.0	612	8.26E-05	622	0.00E+00	632	4.86E-05	642	2.84E-06
23.0	613	4.11E-05	623	0.00E+00	633	3.02E-05	643	1.51E-06
30.5	614	8.09E-06	624	0.00E+00	634	2.90E-07	644	6.80E-07

HEIGHT	TOWER 5		TOWER 6	
	GLN	CONC	GLN	CONC
0.5	650	1.76E-05	660	9.34E-06
7.5	651	2.90E-05	661	2.13E-05
15.0	652	4.59E-05	662	2.02E-06
23.0	653	0.00E+00	663	6.30E-06
30.5	654	1.83E-06	664	5.37E-06

MISCELLANEOUS SAMPLES

GROUP 1	
GLN	CONC
701	5.31E-06
702	3.64E-04
703	4.57E-04
704	7.29E-06

GAS F AVERAGE WINDS: SPEED 2.5 M/S ;DIRECTION 27. DEGREES
SOURCE STRENGTH 1.2874 GM/S RELEASED STACK

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
66.	11	0.00E+00	71	4.76E-05	191	0.00E+00	251	0.00E+00
90.	15	0.00E+00	75	7.11E-05	195	0.00E+00	255	0.00E+00
96.	16	0.00E+00	76	0.00E+00	196	0.00E+00	256	5.96E-04
102.	17	0.00E+00	77	0.00E+00	197	0.00E+00	257	1.37E-05
108.	18	0.00E+00	78	0.00E+00	198	2.20E-06	258	1.29E-05
114.	19	0.00E+00	79	0.00E+00	199	4.66E-06	259	3.00E-04

EOCR TEST 17 NRC STAB G 5/21/76 0451-0551 MST

GAS S AVERAGE WINDS: SPEED 1.1 M/S ;DIRECTION 342. DEGREES
SOURCE STRENGTH 0.1688 GM/S RELEASED GROUND

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
306.	51	3.51E-04	111	0.00E+00	231	0.00E+00	291	0.00E+00
324.	54	3.46E-05	114	0.00E+00	234	0.00E+00	294	0.00E+00
342.	57	2.00E-04	117	0.00E+00	237	0.00E+00	297	0.00E+00
360.	60	9.23E-04	120	0.00E+00	240	0.00E+00	300	0.00E+00

BEARING	1200. M		1600. M	
	GLN	CONC	GLN	CONC
123.	341	6.23E-06	461	0.00E+00
126.	342	4.91E-07	462	3.25E-07
129.	343	1.36E-05	463	0.73E-07
132.	344	1.31E-05	464	0.00E+00
135.	345	7.36E-06	465	0.00E+00
138.	346	3.01E-06	466	3.22E-07
141.	347	6.50E-06	467	2.20E-07
144.	348	9.35E-06	468	0.00E+00
147.	349	3.45E-06	469	6.06E-07
150.	350	3.72E-06	470	3.07E-06
153.	351	3.06E-06	471	3.67E-07
156.	352	2.74E-06	472	1.00E-06
159.	353	0.00E+00	473	1.25E-06
162.	354	0.00E+00	474	9.53E-07
165.	355	2.29E-06	475	4.99E-07
168.	356	0.00E+00	476	0.91E-07
171.	357	1.66E-06	477	5.33E-07
174.	358	1.51E-06	478	3.54E-07
177.	359	0.00E+00	479	0.24E-07
180.	360	1.27E-06	480	0.00E+00
183.	361	1.82E-06	481	2.09E-06
186.	362	0.00E+00	482	1.08E-06
189.	363	1.74E-06	483	0.00E+00
192.	364	4.88E-07	484	1.25E-06
195.	365	4.48E-07	485	8.18E-07
198.	366	5.17E-07	486	1.64E-06
201.	367	8.51E-07	487	0.00E+00
204.	368	2.46E-06	488	5.67E-07
207.	369	6.14E-07	489	0.00E+00
210.	370	7.80E-07	490	4.21E-07
213.	371	1.85E-06	491	1.16E-06
216.	372	6.57E-07	492	2.04E-06
219.	373	8.06E-07	493	0.00E+00
222.	374	9.33E-07	494	2.09E-06
225.	375	6.65E-07	495	0.00E+00
228.	376	1.52E-06	496	2.02E-06
231.	377	1.42E-06	497	8.09E-07

EOCR TEST 17 NRC STAB G 5/21/76 0451-0551 MST

GAS F AVERAGE WINDS: SPEED 2.5 M/S ;DIRECTION 27. DEGREES
SOURCE STRENGTH 1.2874 GM/S RELEASED STACK

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
120.	20	0.00E+00	80	0.00E+00	200	6.26E-04	260	3.54E-05
126.	21	0.00E+00	81	0.00E+00	201	0.00E+00	261	1.52E-05
132.	22	0.00E+00	82	0.00E+00	202	4.20E-06	262	2.57E-04
138.	23	0.00E+00	83	0.00E+00	203	4.49E-06	263	3.50E-05
144.	24	0.00E+00	84	0.00E+00	204	3.47E-05	264	4.24E-04
150.	25	0.00E+00	85	0.00E+00	205	0.41E-05	265	0.00E+00
156.	26	0.00E+00	86	0.00E+00	206	7.66E-06	266	5.36E-04
162.	27	2.16E-06	87	0.00E+00	207	0.00E+00	267	2.75E-04
168.	28	0.00E+00	88	0.00E+00	208	4.23E-05	268	1.69E-03
174.	29	0.00E+00	89	1.69E-05	209	3.50E-04	269	1.96E-05
180.	30	0.00E+00	90	1.06E-05	210	6.78E-05	270	1.15E-05
186.	31	0.00E+00	91	1.37E-04	211	6.35E-05	271	2.20E-04
192.	32	0.00E+00	92	4.07E-05	212	0.00E+00	272	2.47E-04
198.	33	0.00E+00	93	1.22E-04	213	2.33E-05	273	8.13E-04
204.	34	0.00E+00	94	5.51E-04	214	1.17E-04	274	5.91E-06
210.	35	0.00E+00	95	7.43E-05	215	1.61E-04	275	7.50E-05
216.	36	0.00E+00	96	9.35E-06	216	4.35E-04	276	0.00E+00
222.	37	0.00E+00	97	1.92E-05	217	2.06E-05	277	2.88E-04
228.	38	0.00E+00	98	4.10E-05	218	3.72E-05	278	4.17E-04
234.	39	1.30E-05	99	3.75E-04	219	7.44E-05	279	5.21E-06
240.	40	0.00E+00	100	4.62E-05	220	4.82E-05	280	5.78E-04
246.	41	0.00E+00	101	5.39E-05	221	2.31E-05	281	2.56E-05
252.	42	2.48E-05	102	1.01E-03	222	2.56E-05	282	0.00E+00
258.	43	0.00E+00	103	0.00E+00	223	1.27E-06	283	3.93E-04
264.	44	0.00E+00	104	5.18E-06	224	2.22E-04	284	2.43E-05
270.	45	6.65E-06	105	1.36E-05	225	1.59E-05	285	3.46E-06
282.	47	0.00E+00	107	2.61E-05	227	0.00E+00	287	0.00E+00
288.	48	0.00E+00	108	9.14E-06	228	0.00E+00	288	0.00E+00
324.	54	2.55E-05	114	0.00E+00	234	0.00E+00	294	0.00E+00

BEARING	1200. M		1600. M	
	GLN	CONC	GLN	CONC
126.	342	6.32E-05	462	0.00E+00
129.	343	1.05E-05	463	0.00E+00
132.	344	1.13E-05	464	0.00E+00
135.	345	9.37E-06	465	0.00E+00
138.	346	8.72E-06	466	0.00E+00
141.	347	6.78E-06	467	1.26E-05
144.	348	1.00E-05	468	4.07E-06
147.	349	0.00E+00	469	2.38E-04
150.	350	0.00E+00	470	1.54E-05
153.	351	0.00E+00	471	4.65E-06
156.	352	6.59E-06	472	5.85E-05
162.	354	0.00E+00	474	6.79E-06

EOCR TEST 17 NRC STAB G 5/21/76 0451-0551 MST

GAS F AVERAGE WINDS: SPEED 2.5 M/S ;DIRECTION 27. DEGREES
SOURCE STRENGTH 1.2874 GM/S RELEASED STACK

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	1200. M		1600. M	
	GLN	CONC	GLN	CONC
165.	355	0.00E+00	475	1.42E-04
168.	356	0.00E+00	476	5.17E-06
171.	357	7.63E-05	477	4.65E-05
174.	358	5.01E-06	478	1.97E-06
177.	359	1.07E-04	479	1.02E-05
180.	360	4.94E-06	480	2.66E-06
183.	361	6.83E-06	481	1.24E-05
186.	362	9.23E-04	482	0.00E+00
192.	364	3.81E-06	484	3.54E-06
201.	367	0.00E+00	487	2.07E-05
204.	368	6.42E-06	488	0.00E+00
207.	369	0.00E+00	489	1.93E-06
213.	371	2.11E-05	491	5.47E-06
216.	372	0.00E+00	492	1.31E-05
219.	373	0.00E+00	493	1.67E-05
222.	374	4.26E-06	494	1.06E-05
228.	376	1.46E-06	496	0.00E+00
231.	377	5.62E-06	497	2.33E-06
234.	378	0.00E+00	498	1.09E-05
237.	379	2.88E-06	499	1.67E-06

TOWER SAMPLES

HEIGHT	TOWER 1		TOWER 2		TOWER 3		TOWER 4	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
0.5	610	1.06E-05	620	1.22E-04	630	0.00E+00	640	0.00E+00
7.5	611	9.42E-06	621	0.00E+00	631	5.69E-05	641	2.48E-05
15.0	612	2.44E-04	622	0.00E+00	632	8.98E-05	642	2.12E-04
23.0	613	6.68E-04	623	0.00E+00	633	1.63E-04	643	1.63E-04
30.5	614	2.98E-04	624	0.00E+00	634	1.22E-04	644	1.18E-04

HEIGHT	TOWER 5		TOWER 6	
	GLN	CONC	GLN	CONC
0.5	650	6.78E-05	660	2.33E-05
7.5	651	2.72E-05	661	2.20E-05
15.0	652	4.83E-05	662	1.90E-05
23.0	653	1.96E-05	663	6.31E-05
30.5	654	9.84E-05	664	1.69E-05

EOCR TEST 17 NRC STAB G 5/21/76 0451-0551 MST

GAS B AVERAGE WINDS: SPEED 2.4 M/S ;DIRECTION 27. DEGREES
SOURCE STRENGTH 0.6289 GM/S RELEASED ROOF

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
282.	47	0.00E+00	107	2.09E-05	227	0.00E+00	287	0.00E+00
288.	48	3.77E-05	108	2.57E-05	228	0.00E+00	288	0.00E+00
294.	49	0.00E+00	109	2.75E-05	229	0.00E+00	289	0.00E+00
300.	50	0.00E+00	110	1.15E-05	230	0.00E+00	290	0.00E+00
306.	51	1.85E-05	111	0.00E+00	231	0.00E+00	291	0.00E+00
324.	54	9.43E-08	114	0.00E+00	234	0.00E+00	294	0.00E+00
342.	57	2.53E-07	117	0.00E+00	237	0.00E+00	297	0.00E+00
360.	60	1.45E-07	120	0.00E+00	240	0.00E+00	300	0.00E+00

BEARING	1200. M		1600. M	
	GLN	CONC	GLN	CONC
126.	342	1.32E-07	462	0.00E+00
141.	347	1.61E-06	457	0.00E+00
144.	348	1.92E-06	458	6.11E-08
147.	349	1.67E-07	459	2.33E-07
150.	350	2.31E-07	470	1.00E-06
171.	357	0.00E+00	477	1.45E-07
189.	363	4.48E-07	483	0.00E+00
207.	369	5.83E-07	489	0.00E+00
219.	373	0.00E+00	493	2.05E-07
240.	380	0.00E+00	500	6.08E-08

TOWER SAMPLES

HEIGHT	TOWER 1		TOWER 2		TOWER 3		TOWER 4	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
0.5	610	0.00E+00	620	5.50E-06	630	0.00E+00	640	0.00E+00
7.5	611	0.00E+00	621	0.00E+00	631	3.65E-05	641	1.39E-05
15.0	612	2.33E-04	622	0.00E+00	632	9.74E-05	642	6.98E-06
23.0	613	2.37E-04	623	0.00E+00	633	1.99E-04	643	6.92E-05
30.5	614	0.00E+00	624	0.00E+00	634	9.68E-06	644	8.36E-06

HEIGHT	TOWER 5		TOWER 6	
	GLN	CONC	GLN	CONC
0.5	650	5.84E-06	660	4.70E-06
7.5	651	1.65E-05	661	0.32E-06
15.0	652	5.89E-05	662	6.41E-06
23.0	653	0.00E+09	663	2.59E-05
30.5	654	2.23E-06	664	5.07E-06

EOCR TEST 17 NRC STAB G 5/21/76 0451-0551 MST

GAS F AVERAGE WINDS: SPEED 2.5 M/S ;DIRECTION 27. DEGREES
SOURCE STRENGTH 1.2874 GM/S RELEASED STACK

MISCELLANEOUS SAMPLES

GROUP 1	
GLN	CONC
701	4.19E-05
704	5.64E-05

GAS B AVERAGE WINDS: SPEED 2.4 M/S ;DIRECTION 27. DEGREES
SOURCE STRENGTH 0.6289 GM/S RELEASED ROOF

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
36.	6	9.46E-07	66	0.00E+00	186	0.00E+00	246	0.00E+00
72.	12	1.31E-06	72	5.32E-07	192	0.00E+00	252	0.00E+00
90.	15	4.14E-04	75	0.00E+00	195	0.00E+00	255	0.00E+00
96.	16	0.00E+00	76	4.33E-06	196	8.60E-07	256	2.81E-07
108.	18	3.77E-04	78	1.03E-05	198	1.42E-07	258	2.76E-07
114.	19	0.00E+00	79	7.75E-06	199	6.92E-07	259	1.28E-07
120.	20	0.00E+00	80	1.62E-05	200	0.00E+00	260	4.39E-06
126.	21	2.87E-04	81	2.31E-05	201	7.64E-06	261	1.57E-06
132.	22	0.00E+00	82	8.38E-05	202	3.74E-06	262	9.32E-07
138.	23	0.00E+00	83	3.77E-05	203	2.36E-06	263	0.00E+00
144.	24	1.27E-07	84	5.37E-05	204	1.47E-06	264	1.20E-06
150.	25	0.00E+00	85	6.13E-05	205	0.00E+00	265	0.00E+00
156.	26	0.00E+00	86	3.00E-05	206	2.81E-06	266	0.00E+00
162.	27	2.80E-05	87	5.23E-05	207	4.35E-06	267	0.00E+00
168.	28	0.00E+00	88	4.83E-07	208	1.86E-06	268	0.00E+00
174.	29	0.00E+00	89	2.96E-05	209	0.00E+00	269	1.05E-06
180.	30	8.27E-05	90	0.00E+00	210	5.84E-06	270	6.76E-07
186.	31	0.00E+00	91	2.07E-05	211	3.49E-06	271	0.00E+00
192.	32	0.00E+00	92	0.19E-06	212	3.32E-06	272	0.00E+00
198.	33	3.77E-05	93	5.50E-06	213	4.70E-06	273	0.00E+00
204.	34	0.00E+00	94	0.00E+00	214	3.41E-06	274	0.00E+00
210.	35	0.00E+00	95	5.67E-06	215	9.66E-07	275	0.00E+00
216.	36	1.58E-05	96	5.59E-06	216	4.21E-07	276	0.00E+00
222.	37	0.00E+00	97	5.46E-06	217	3.47E-06	277	0.00E+00
228.	38	0.00E+00	98	4.09E-06	218	8.62E-07	278	0.00E+00
234.	39	1.09E-05	99	0.00E+00	219	4.19E-06	279	1.39E-07
240.	40	0.00E+00	100	2.29E-06	220	3.51E-06	280	0.00E+00
246.	41	0.00E+00	101	6.30E-06	221	2.57E-06	281	0.00E+00
252.	42	2.83E-05	102	2.81E-06	222	2.31E-06	282	1.79E-06
258.	43	0.00E+00	103	6.43E-06	223	0.00E+00	283	0.00E+00
264.	44	0.00E+00	104	5.79E-07	224	0.00E+00	284	0.00E+00
270.	45	4.50E-05	105	9.14E-06	225	1.75E-06	285	0.00E+00
276.	46	0.00E+00	106	1.58E-05	226	0.00E+00	286	0.00E+00

EOCR TEST 17 NRC STAB G 5/21/76 0451-0551 MST

GAS B AVERAGE WINDS: SPEED 2.4 M/S ;DIRECTION 27. DEGREES
SOURCE STRENGTH 0.6289 GM/S RELEASED ROOF

MISCELLANEOUS SAMPLES

GROUP 1	
GLN	CONC

EOCR TEST 18 NRC STAB F 6/23/76 0435-0535 MST

GAS S AVERAGE WINDS: SPEED 4.1 M/S ;DIRECTION 38. DEGREES
SOURCE STRENGTH 0.1557 GM/S RELEASED GROUND

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
18.	3	3.06E-03	63	0.00E+00	183	0.00E+00	243	0.00E+00
36.	6	6.83E-03	66	0.00E+00	186	0.00E+00	246	0.00E+00
54.	9	7.30E-03	69	0.00E+00	189	0.00E+00	249	0.00E+00
72.	12	6.32E-03	72	0.00E+00	192	0.00E+00	252	0.00E+00
90.	15	4.21E-03	75	0.00E+00	195	0.00E+00	255	0.00E+00
108.	18	3.46E-04	78	0.00E+00	198	0.00E+00	258	0.00E+00
126.	21	2.76E-03	81	0.00E+00	201	0.00E+00	261	0.00E+00
144.	24	4.22E-05	84	3.42E-06	204	0.00E+00	264	0.00E+00
150.	25	0.00E+00	85	9.25E-05	205	0.00E+00	265	0.00E+00
156.	26	0.00E+00	86	0.00E+00	206	1.43E-06	266	2.41E-06
162.	27	2.37E-03	87	2.84E-04	207	0.00E+00	267	0.00E+00
168.	28	0.00E+00	88	8.66E-04	208	4.31E-06	268	0.00E+00
174.	29	0.00E+00	89	8.73E-04	209	0.00E+00	269	0.00E+00
180.	30	2.41E-03	90	1.19E-03	210	1.49E-05	270	0.00E+00
186.	31	0.00E+00	91	1.11E-03	211	5.27E-05	271	2.60E-06
192.	32	0.00E+00	92	0.00E+00	212	9.08E-05	272	3.08E-05
198.	33	1.89E-03	93	1.39E-03	213	8.02E-05	273	4.10E-05
204.	34	0.00E+00	94	2.97E-04	214	1.20E-04	274	2.05E-05
210.	35	0.00E+00	95	1.08E-03	215	1.46E-04	275	3.71E-05
216.	36	1.54E-03	96	1.09E-03	216	2.17E-04	276	8.78E-05
222.	37	0.00E+00	97	4.35E-04	217	2.12E-04	277	2.89E-05
228.	38	0.00E+00	98	6.20E-04	218	1.17E-04	278	1.63E-05
234.	39	8.25E-04	99	0.00E+00	219	1.97E-05	279	8.70E-06
240.	40	0.00E+00	100	3.44E-05	220	3.16E-06	280	2.68E-06
246.	41	0.00E+00	101	1.84E-04	221	0.00E+00	281	0.00E+00
252.	42	6.50E-04	102	0.00E+00	222	0.00E+00	282	0.00E+00
270.	45	2.18E-04	105	0.00E+00	225	0.00E+00	285	0.00E+00
288.	48	3.00E-04	108	0.00E+00	228	0.00E+00	288	0.00E+00
306.	51	2.15E-04	111	0.00E+00	231	0.00E+00	291	0.00E+00
324.	54	3.23E-04	114	0.00E+00	234	0.00E+00	294	0.00E+00
342.	57	5.22E-04	117	0.00E+00	237	0.00E+00	297	0.00E+00
360.	60	1.18E-03	120	0.00E+00	240	0.00E+00	300	0.00E+00

BEARING	1200. M		1600. M	
	GLN	CONC	GLN	CONC
132.	344	4.44E-06	464	0.00E+00
138.	346	0.00E+00	466	3.31E-06
141.	347	0.00E+00	467	3.35E-06
144.	348	0.00E+00	468	1.96E-06
153.	351	0.00E+00	471	9.04E-07
156.	352	2.67E-06	472	0.00E+00
165.	355	2.12E-06	475	0.00E+00
177.	359	4.84E-06	479	0.00E+00
183.	361	4.83E-06	481	0.00E+00

EOCR TEST 18 NRC STAB F 6/23/76 0435-0535 MST

GAS S AVERAGE WINDS: SPEED 4.1 M/S ;DIRECTION 38. DEGREES
SOURCE STRENGTH 0.1557 GM/S RELEASED GROUND

MISCELLANEOUS SAMPLES

GROUP 1

GLN	CONC
701	9.30E-04
702	1.83E-03
703	2.57E-03
704	1.97E-05

GAS F AVERAGE WINDS: SPEED 6.9 M/S ;DIRECTION 32. DEGREES
SOURCE STRENGTH 1.2831 GM/S RELEASED STACK

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
108.	18	5.50E-05	78	0.00E+00	198	0.00E+00	258	0.00E+00
132.	22	0.00E+00	82	1.18E-05	202	0.00E+00	262	0.00E+00
138.	23	0.00E+00	83	0.00E+00	203	0.00E+00	263	3.89E-06
144.	24	4.77E-05	84	0.00E+00	204	1.12E-05	264	0.00E+00
150.	25	0.00E+00	85	1.92E-05	205	0.00E+00	265	7.67E-06
162.	27	0.00E+00	87	6.27E-05	207	0.00E+00	267	0.00E+00
180.	30	0.00E+00	90	2.00E-05	210	7.89E-06	270	0.00E+00
186.	31	0.00E+00	91	7.01E-05	211	0.00E+00	271	0.00E+00
192.	32	0.00E+00	92	0.00E+00	212	4.69E-05	272	0.00E+00
198.	33	0.00E+00	93	1.26E-04	213	4.01E-05	273	0.00E+00
204.	34	0.00E+00	94	1.05E-04	214	0.00E+00	274	0.00E+00
210.	35	0.00E+00	95	1.26E-04	215	5.92E-05	275	0.00E+00
216.	36	0.00E+00	96	2.09E-05	216	1.81E-04	276	4.21E-05
222.	37	0.00E+00	97	4.90E-05	217	6.49E-05	277	0.00E+00
228.	38	0.00E+00	98	1.61E-05	218	0.00E+00	278	0.00E+00
234.	39	0.00E+00	99	9.89E-05	219	0.00E+00	279	0.00E+00
240.	40	0.00E+00	100	7.78E-05	220	3.70E-05	280	0.00E+00
306.	51	3.01E-05	111	0.00E+00	231	0.00E+00	291	0.00E+00

BEARING	1200. M		1600. M	
	GLN	CONC	GLN	CONC
141.	347	7.25E-06	467	0.00E+00
174.	358	6.49E-06	478	1.18E-05
177.	359	0.00E+00	479	6.58E-06
201.	367	4.66E-05	497	1.20E-05
210.	370	0.00E+00	490	1.61E-05
219.	373	6.06E-05	493	0.00E+00

EOCR TEST 18 NRC STAB F 6/23/76 0435-0535 MST

GAS S AVERAGE WINDS: SPEED 4.1 M/S ;DIRECTION 38. DEGREES
SOURCE STRENGTH 0.1557 GM/S RELEASED GROUND

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	1200. M		1600. M	
	GLN	CONC	GLN	CONC
186.	362	2.06E-06	482	1.68E-06
189.	363	5.14E-06	483	2.82E-07
192.	364	0.00E+00	484	5.50E-06
195.	365	1.61E-05	485	4.96E-06
198.	366	1.19E-05	486	2.03E-05
201.	367	1.16E-05	487	0.00E+00
204.	368	5.59E-06	488	4.87E-06
207.	369	8.15E-06	489	4.46E-06
210.	370	1.26E-05	490	9.19E-06
213.	371	3.04E-05	491	1.94E-05
216.	372	6.20E-05	492	4.92E-05
219.	373	7.78E-05	493	5.97E-05
222.	374	4.45E-05	494	2.75E-05
225.	375	5.34E-06	495	1.02E-05
228.	376	1.83E-05	496	4.23E-06
231.	377	5.80E-06	497	0.00E+00
234.	378	5.67E-07	498	0.00E+00
237.	379	7.07E-07	499	0.00E+00

TOWER SAMPLES

HEIGHT	TOWER 1		TOWER 2		TOWER 3		TOWER 4	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
0.5	610	1.19E-03	620	1.39E-03	630	0.00E+00	640	0.00E+00
7.5	611	6.08E-04	621	9.77E-04	631	3.54E-06	641	1.59E-05
15.0	612	0.00E+00	622	4.40E-04	632	2.99E-06	642	1.32E-04
23.0	613	5.16E-05	623	2.10E-04	633	0.00E+00	643	5.90E-05
30.5	614	0.00E+00	624	0.00E+00	634	3.41E-06	644	2.12E-05

HEIGHT	TOWER 5		TOWER 6	
	GLN	CONC	GLN	CONC
0.5	650	1.49E-05	660	8.02E-05
7.5	651	1.64E-05	661	1.18E-06
15.0	652	1.36E-05	662	0.00E+00
23.0	653	0.00E+00	663	1.08E-06
30.5	654	2.56E-06	664	0.00E+00

EOCR TEST 18 NRC STAB F 6/23/76 0435-0535 MST

GAS F AVERAGE WINDS: SPEED 6.9 M/S ;DIRECTION 32. DEGREES
SOURCE STRENGTH 1.2831 GM/S RELEASED STACK

TOWER SAMPLES

HEIGHT	TOWER 1		TOWER 2		TOWER 3		TOWER 4	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
0.5	610	2.00E-05	620	1.26E-04	630	0.00E+00	640	0.00E+00
7.5	611	8.61E-05	621	1.30E-04	631	0.00E+00	641	0.00E+00
15.0	612	1.24E-04	622	2.27E-04	632	4.74E-05	642	6.47E-05
23.0	613	1.93E-04	623	3.48E-04	633	0.00E+00	643	9.22E-05
30.5	614	8.26E-05	624	2.30E-05	634	4.58E-04	644	8.71E-05

HEIGHT	TOWER 5		TOWER 6	
	GLN	CONC	GLN	CONC
0.5	650	7.69E-06	660	4.01E-05
15.0	652	1.11E-05	662	1.96E-04
23.0	653	1.74E-04	663	8.71E-05
30.5	654	0.00E+00	664	1.18E-03

MISCELLANEOUS SAMPLES

GROUP 1

GLN	CONC
701	1.18E-04
704	1.31E-04

GAS B AVERAGE WINDS: SPEED 6.5 M/S ;DIRECTION 32. DEGREES
SOURCE STRENGTH 0.6246 GM/S RELEASED ROOF

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
156.	26	0.00E+00	86	0.00E+00	206	0.00E+00	266	3.35E-07
162.	27	2.37E-05	87	1.15E-06	207	0.00E+00	267	0.00E+00
168.	28	0.00E+00	88	4.71E-06	208	0.00E+00	268	0.00E+00
174.	29	0.00E+00	89	2.41E-05	209	0.00E+00	269	0.00E+00
180.	30	1.11E-04	90	1.02E-04	210	0.00E+00	270	0.00E+00
186.	31	0.00E+00	91	1.15E-04	211	0.00E+00	271	0.00E+00
192.	32	0.00E+00	92	0.00E+00	212	2.73E-05	272	1.72E-05
198.	33	3.54E-04	93	2.83E-04	213	4.41E-05	273	1.85E-05
204.	34	0.00E+00	94	1.02E-04	214	3.26E-05	274	8.98E-06
210.	35	0.00E+00	95	3.13E-04	215	4.72E-05	275	1.44E-05
216.	36	2.40E-04	96	2.89E-04	216	9.15E-05	276	3.57E-05
222.	37	0.00E+00	97	1.43E-04	217	3.29E-05	277	1.44E-05
228.	38	0.00E+00	98	3.70E-05	218	3.38E-05	278	4.04E-07
234.	39	1.68E-05	99	0.00E+00	219	0.00E+00	279	2.95E-07
270.	45	2.44E-07	105	0.00E+00	225	0.00E+00	285	0.00E+00

EDCR TEST 18 NRC STAB F 6/23/76 0435-0535 MST

GAS B AVERAGE WINDS: SPEED 6.5 M/S ;DIRECTION 32. DEGREES
SOURCE STRENGTH 0.6246 GM/S RELEASED ROOF

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	1200. M		1600. M	
	GLN	CONC	GLN	CONC
123.	341	1.38E-07	461	0.00E+00
126.	342	0.00E+00	462	6.48E-07
129.	343	4.17E-07	463	0.00E+00
132.	344	5.07E-07	464	0.00E+00
135.	345	0.00E+00	465	2.10E-07
138.	346	0.00E+00	466	5.95E-07
141.	347	0.00E+00	467	6.89E-06
147.	349	0.00E+00	469	1.32E-06
153.	351	0.00E+00	471	3.67E-07
156.	352	4.70E-07	472	2.50E-07
162.	354	3.94E-07	474	0.00E+00
180.	360	2.52E-08	480	0.00E+00
183.	361	1.47E-07	481	1.03E-07
192.	364	3.46E-07	484	2.38E-07
198.	366	7.02E-06	486	5.76E-07
204.	368	2.68E-07	488	4.49E-07
207.	369	7.78E-07	489	0.00E+00
213.	371	1.19E-05	491	9.44E-06
216.	372	2.04E-05	492	2.34E-05
219.	373	3.05E-05	493	3.09E-05
222.	374	1.26E-05	494	9.86E-06
225.	375	1.16E-07	495	0.00E+00
231.	377	2.40E-07	497	2.22E-06
234.	378	1.90E-07	498	5.82E-07
237.	379	1.24E-07	499	0.00E+00

TOWER SAMPLES

HEIGHT	TOWER 1		TOWER 2		TOWER 3		TOWER 4	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
0.5	610	1.02E-04	620	2.83E-04	630	0.00E+00	640	0.00E+00
7.5	611	1.22E-04	621	4.09E-04	631	4.19E-05	641	0.00E+00
15.0	612	3.66E-06	622	4.30E-04	632	1.29E-05	642	7.75E-05
23.0	613	1.30E-04	623	4.81E-04	633	8.74E-05	643	6.53E-05
30.5	614	0.00E+00	624	1.57E-04	634	6.41E-06	644	4.89E-05

HEIGHT	TOWER 5		TOWER 6	
	GLN	CONC	GLN	CONC
0.5	650	0.00E+00	660	4.41E-05
7.5	651	1.74E-06	661	1.52E-04
15.0	652	1.42E-05	662	2.22E-05
23.0	653	0.00E+00	663	7.83E-05

EDCR TEST 18 NRC STAB F 6/23/76 0435-0535 MST

GAS B AVERAGE WINDS: SPEED 6.5 M/S ;DIRECTION 32. DEGREES
SOURCE STRENGTH 0.6246 GM/S RELEASED ROOF

MISCELLANEOUS SAMPLES

GROUP 1	
GLN	CONC
701	2.77E-05
702	4.32E-05
704	1.27E-05

EOCR TEST 19 NRC STAB G 6/29/76 0329-0429 MST

GAS S AVERAGE WINDS: SPEED 1.0 M/S ;DIRECTION 9. DEGREES
SOURCE STRENGTH 0.1566 GM/S RELEASED GROUND

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
18.	3	8.92E-04	63	0.00E+00	183	0.00E+00	243	0.00E+00
36.	6	1.04E-03	66	0.00E+00	186	0.00E+00	246	0.00E+00
54.	9	2.91E-03	69	0.00E+00	189	0.00E+00	249	0.00E+00
72.	12	2.55E-03	72	0.00E+00	192	0.00E+00	252	0.00E+00
04.	14	0.00E+00	74	3.25E-07	194	0.00E+00	254	0.00E+00
90.	15	7.78E-04	75	0.00E+00	195	0.00E+00	255	0.00E+00
96.	16	0.00E+00	76	8.20E-07	196	0.00E+00	256	0.00E+00
102.	17	0.00E+00	77	1.34E-07	197	0.00E+00	257	0.00E+00
108.	18	1.15E-03	78	1.38E-05	198	0.00E+00	258	0.00E+00
114.	19	0.00E+00	79	1.19E-04	199	0.00E+00	259	0.00E+00
120.	20	0.00E+00	80	3.67E-04	200	0.00E+00	260	0.00E+00
126.	21	8.31E-04	81	6.04E-04	201	0.00E+00	261	0.00E+00
132.	22	0.00E+00	82	5.50E-04	202	8.51E-07	262	0.00E+00
138.	23	0.00E+00	83	4.66E-04	203	1.17E-05	263	0.00E+00
144.	24	7.30E-04	84	5.44E-04	204	1.76E-05	264	0.00E+00
150.	25	0.00E+00	85	5.75E-04	205	1.37E-05	265	2.88E-06
156.	26	0.00E+00	86	4.09E-04	206	0.00E+00	266	0.00E+00
162.	27	6.37E-04	87	5.51E-04	207	7.55E-05	267	0.00E+00
168.	28	0.00E+00	88	5.12E-04	208	1.20E-04	268	2.44E-05
174.	29	0.00E+00	89	3.69E-04	209	0.00E+00	269	0.00E+00
180.	30	4.99E-04	90	2.85E-04	210	1.48E-06	270	9.71E-05
186.	31	0.00E+00	91	0.00E+00	211	8.74E-05	271	4.59E-05
192.	32	0.00E+00	92	2.05E-04	212	1.20E-05	272	6.11E-05
198.	33	2.26E-04	93	1.71E-04	213	9.54E-05	273	1.81E-05
204.	34	0.00E+00	94	1.74E-04	214	5.72E-05	274	2.70E-05
210.	35	0.00E+00	95	1.19E-04	215	3.41E-05	275	6.38E-06
216.	36	1.02E-04	96	1.86E-04	216	0.00E+00	276	1.15E-06
222.	37	0.00E+00	97	6.71E-05	217	1.33E-06	277	0.00E+00
228.	38	0.00E+00	98	2.63E-05	218	0.00E+00	278	0.00E+00
234.	39	4.80E-05	99	0.00E+00	219	0.00E+00	279	0.00E+00
240.	40	0.00E+00	100	2.45E-05	220	0.00E+00	280	0.00E+00
246.	41	0.00E+00	101	1.22E-05	221	0.00E+00	281	0.00E+00
252.	42	1.47E-04	102	5.11E-06	222	0.00E+00	282	0.00E+00
258.	43	0.00E+00	103	5.46E-06	223	0.00E+00	283	0.00E+00
270.	45	1.08E-04	105	7.44E-07	225	0.00E+00	285	0.00E+00
288.	48	1.68E-04	108	0.00E+00	228	0.00E+00	288	0.00E+00
300.	50	0.00E+00	110	8.42E-07	230	0.00E+00	290	0.00E+00
306.	51	3.01E-04	111	0.00E+00	231	0.00E+00	291	0.00E+00
324.	54	3.40E-04	114	0.00E+00	234	0.00E+00	294	0.00E+00
342.	57	4.40E-04	117	0.00E+00	237	0.00E+00	297	0.00E+00
360.	60	5.00E-04	120	0.00E+00	240	0.00E+00	300	0.00E+00

EOCR TEST 19 NRC STAB G 6/29/76 0329-0429 MST

GAS S AVERAGE WINDS: SPEED 1.0 M/S ;DIRECTION 9. DEGREES
SOURCE STRENGTH 0.1566 GM/S RELEASED GROUND

TOWER SAMPLES

HEIGHT	TOWER 5		TOWER 6	
	GLN	CONC	GLN	CONC
30.5	654	7.08E-07	664	0.00E+00

MISCELLANEOUS SAMPLES

GROUP 1	
GLN	CONC
701	6.83E-06
702	2.38E-05
704	5.64E-05

GAS F AVERAGE WINDS: SPEED 4.5 M/S ;DIRECTION 38. DEGREES
SOURCE STRENGTH 1.2582 GM/S RELEASED STACK

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
76.	13	0.00E+00	73	1.20E-05	193	0.00E+00	253	0.00E+00
102.	17	0.00E+00	77	7.94E-06	197	0.00E+00	257	0.00E+00
132.	22	0.00E+00	82	0.00E+00	202	1.76E-06	262	7.64E-06
144.	24	3.51E-06	84	0.00E+00	204	0.00E+00	264	3.29E-05
150.	25	0.00E+00	85	0.00E+00	205	1.07E-05	265	4.79E-05
156.	26	0.00E+00	86	9.97E-06	206	3.39E-05	266	3.04E-04
162.	27	0.00E+00	87	0.00E+00	207	0.00E+00	267	8.12E-07
168.	28	0.00E+00	88	5.21E-05	208	0.00E+00	268	2.41E-05
174.	29	0.00E+00	89	7.01E-05	209	0.00E+00	269	0.00E+00
180.	30	0.00E+00	90	0.73E-05	210	1.11E-06	270	0.00E+00
186.	31	0.00E+00	91	4.52E-05	211	0.00E+00	271	0.00E+00
192.	32	0.00E+00	92	3.58E-05	212	1.73E-05	272	1.76E-05
198.	33	0.00E+00	93	0.22E-05	213	4.76E-05	273	2.21E-05
204.	34	0.00E+00	94	0.00E+00	214	1.63E-05	274	3.10E-05
210.	35	0.00E+00	95	0.00E+00	215	5.41E-06	275	2.09E-05
216.	36	0.00E+00	96	0.00E+00	216	5.67E-05	276	0.00E+00
222.	37	0.00E+00	97	0.00E+00	217	2.38E-05	277	7.50E-05
228.	38	0.00E+00	98	0.00E+00	218	6.87E-06	278	0.00E+00
234.	39	0.00E+00	99	4.02E-05	219	0.00E+00	279	1.48E-05
240.	40	0.00E+00	100	0.00E+00	220	1.10E-05	280	3.14E-05
246.	41	0.00E+00	101	0.00E+00	221	1.50E-05	281	0.00E+00
252.	42	0.00E+00	102	2.09E-06	222	0.00E+00	282	0.00E+00
276.	46	0.00E+00	106	1.23E-05	226	0.00E+00	286	0.00E+00
282.	47	0.00E+00	107	6.40E-06	227	0.00E+00	287	0.00E+00
294.	49	0.00E+00	109	9.18E-06	229	0.00E+00	289	0.00E+00

EOCR TEST 19 NRC STAB G 6/29/76 0329-0429 MST

GAS S AVERAGE WINDS: SPEED 1.0 M/S ;DIRECTION 9. DEGREES
SOURCE STRENGTH 0.1566 GM/S RELEASED GROUND

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	1200. M		1600. M	
	GLN	CONC	GLN	CONC
126.	342	4.38E-07	462	0.00E+00
147.	349	1.04E-07	469	0.00E+00
150.	350	4.12E-06	470	0.00E+00
153.	351	2.55E-06	471	0.00E+00
156.	352	9.21E-07	472	0.00E+00
159.	353	2.66E-06	473	0.00E+00
162.	354	7.83E-06	474	2.19E-06
165.	355	4.78E-06	475	1.47E-06
168.	356	6.24E-06	476	0.00E+00
171.	357	6.33E-06	477	3.46E-06
174.	358	5.48E-06	478	2.37E-07
177.	359	8.70E-07	479	1.86E-06
180.	360	0.00E+00	480	1.26E-06
183.	361	1.58E-05	481	3.80E-06
186.	362	5.66E-05	482	9.16E-06
189.	363	1.58E-05	483	1.48E-05
192.	364	6.50E-06	484	1.04E-05
195.	365	1.16E-05	485	5.13E-06
198.	366	1.22E-05	486	1.91E-06
201.	367	1.14E-06	487	1.64E-06
204.	368	1.72E-06	488	2.74E-06
207.	369	9.60E-07	489	1.43E-07
210.	370	4.36E-07	490	3.92E-08
213.	371	1.03E-06	491	0.00E+00
219.	373	1.99E-07	493	0.00E+00
228.	376	0.00E+00	496	2.69E-06
237.	379	0.00E+00	499	1.90E-06

TOWER SAMPLES

HEIGHT	TOWER 1		TOWER 2		TOWER 3		TOWER 4	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
0.5	610	2.85E-04	620	1.71E-04	630	0.00E+00	640	0.00E+00
7.5	611	1.84E-04	621	5.11E-06	631	1.92E-04	641	7.65E-05
15.0	612	2.01E-05	622	6.89E-06	632	5.49E-05	642	3.30E-05
23.0	613	1.53E-06	623	3.84E-05	633	0.00E+00	643	1.00E-05
30.5	614	0.00E+00	624	1.29E-05	634	2.19E-07	644	1.65E-06

HEIGHT	TOWER 5		TOWER 6	
	GLN	CONC	GLN	CONC
0.5	650	1.46E-06	660	9.54E-05
7.5	651	5.73E-06	661	0.00E+00
15.0	652	1.45E-05	662	1.67E-06
23.0	653	5.41E-06	663	0.00E+00

EOCR TEST 19 NRC STAB G 6/29/76 0329-0429 MST

GAS F AVERAGE WINDS: SPEED 4.5 M/S ;DIRECTION 38. DEGREES
SOURCE STRENGTH 1.2582 GM/S RELEASED STACK

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	1200. M		1600. M	
	GLN	CONC	GLN	CONC
123.	341	0.00E+00	461	5.71E-06
129.	343	0.00E+00	463	3.23E-07
132.	344	2.41E-06	464	0.00E+00
135.	345	1.49E-06	465	0.00E+00
144.	348	7.53E-07	468	0.00E+00
171.	357	9.20E-06	477	0.00E+00
174.	358	3.48E-06	478	3.00E-06
177.	359	0.00E+00	479	3.56E-06
183.	361	2.05E-06	481	0.00E+00
186.	362	3.48E-06	482	0.00E+00
189.	363	1.34E-05	483	1.39E-05
192.	364	3.78E-06	484	4.60E-06
195.	365	1.91E-05	485	3.94E-06
198.	366	0.00E+00	486	1.10E-05
201.	367	9.81E-06	487	0.00E+00
204.	368	1.15E-05	488	3.59E-06
207.	369	0.00E+00	489	2.47E-06
210.	370	5.94E-06	490	0.00E+00
213.	371	1.96E-05	491	0.00E+00
216.	372	2.72E-05	492	0.00E+00
219.	373	1.14E-05	493	2.41E-06
222.	374	7.84E-06	494	3.48E-07
225.	375	1.44E-05	495	0.00E+00
228.	376	0.00E+00	496	5.37E-07
234.	378	1.10E-05	498	0.00E+00

TOWER SAMPLES

HEIGHT	TOWER 1		TOWER 2		TOWER 3		TOWER 4	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
0.5	610	8.73E-05	620	0.22E-05	630	0.00E+00	640	0.00E+00
7.5	611	1.81E-04	621	1.91E-05	631	1.14E-04	641	8.70E-05
15.0	612	1.67E-04	622	4.83E-05	632	7.01E-05	642	1.41E-04
23.0	613	4.38E-05	623	7.29E-04	633	9.34E-06	643	1.61E-04
30.5	614	1.01E-05	624	0.00E+00	634	1.17E-05	644	5.51E-05

HEIGHT	TOWER 5		TOWER 6	
	GLN	CONC	GLN	CONC
0.5	650	1.11E-06	660	4.76E-05
15.0	652	4.00E-05	662	9.54E-05
23.0	653	0.00E+00	663	4.71E-05
30.5	654	1.33E-05	664	0.00E+00

EDCR TEST 19 NRC STAB G 6/29/76 0329-0429 MST

GAS F AVERAGE WINDS: SPEED 4.5 M/S ;DIRECTION 38. DEGREES
SOURCE STRENGTH 1.2582 GM/S RELEASED STACK

MISCELLANEOUS SAMPLES

	GROUP 1
GLN	CONC
704	4.49E-05

GAS B AVERAGE WINDS: SPEED 4.2 M/S ;DIRECTION 38. DEGREES
SOURCE STRENGTH 0.6192 GM/S RELEASED ROOF

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
18.	3	1.03E-07	63	0.00E+00	183	0.00E+00	243	0.00E+00
90.	15	5.47E-05	75	0.00E+00	195	0.00E+00	255	0.00E+00
108.	18	3.33E-05	78	0.00E+00	198	0.00E+00	258	0.00E+00
126.	21	5.42E-05	81	0.00E+00	201	0.00E+00	261	0.00E+00
132.	22	0.00E+00	82	3.50E-07	202	0.00E+00	262	1.17E-05
138.	23	0.00E+00	83	5.26E-06	203	0.00E+00	263	8.87E-06
144.	24	1.77E-04	84	1.94E-05	204	0.00E+00	264	5.45E-05
150.	25	0.00E+00	85	3.20E-05	205	0.00E+00	265	5.60E-06
156.	26	0.00E+00	86	4.25E-05	206	0.00E+00	266	4.82E-07
162.	27	2.35E-04	87	1.01E-04	207	7.51E-06	267	2.81E-06
168.	28	0.00E+00	88	1.74E-04	208	1.01E-05	268	1.76E-05
174.	29	0.00E+00	89	1.90E-04	209	2.07E-05	269	0.00E+00
180.	30	2.19E-04	90	1.62E-04	210	1.60E-07	270	9.70E-06
186.	31	0.00E+00	91	2.64E-05	211	6.21E-06	271	5.32E-06
192.	32	0.00E+00	92	1.26E-04	212	0.00E+00	272	1.61E-05
198.	33	1.11E-04	93	9.05E-05	213	3.02E-05	273	7.79E-06
204.	34	0.00E+00	94	3.06E-05	214	1.36E-05	274	8.70E-06
210.	35	0.00E+00	95	1.80E-05	215	0.00E+00	275	0.00E+00
216.	36	3.04E-05	96	1.34E-05	216	0.00E+00	276	0.00E+00
222.	37	0.00E+00	97	9.69E-06	217	0.00E+00	277	0.00E+00
228.	38	0.00E+00	98	0.00E+00	218	1.45E-07	278	0.00E+00
240.	40	0.00E+00	100	0.00E+00	220	0.00E+00	280	2.74E-07

BEARING	1200. M		1600. M	
	GLN	CONC	GLN	CONC
123.	341	1.02E-06	461	0.00E+00
126.	342	0.00E+00	462	3.52E-06
129.	343	1.43E-07	463	4.81E-07
132.	344	1.56E-07	464	3.12E-06
135.	345	4.68E-07	465	4.71E-07
138.	346	3.23E-07	466	1.54E-06
141.	347	8.40E-07	467	1.09E-06
144.	348	0.00E+00	468	1.73E-07
147.	349	6.75E-07	469	2.48E-07
150.	350	3.71E-07	470	6.42E-07

EDCR TEST 19 NRC STAB G 6/29/76 0329-0429 MST

GAS B AVERAGE WINDS: SPEED 4.2 M/S ;DIRECTION 38. DEGREES
SOURCE STRENGTH 0.6192 GM/S RELEASED ROOF

MISCELLANEOUS SAMPLES

	GROUP 1
GLN	CONC
702	2.39E-04
704	3.15E-04

EDCR TEST 19 NRC STAB G 6/29/76 0329-0429 MST

GAS B AVERAGE WINDS: SPEED 4.2 M/S ;DIRECTION 38. DEGREES
SOURCE STRENGTH 0.6192 GM/S RELEASED ROOF

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	1200. M		1600. M	
	GLN	CONC	GLN	CONC
153.	351	3.05E-06	471	9.08E-07
156.	352	1.21E-06	472	0.00E+00
159.	353	1.44E-06	473	0.00E+00
162.	354	1.24E-06	474	2.09E-08
165.	355	2.49E-06	475	0.00E+00
168.	356	0.00E+00	476	2.47E-07
171.	357	4.47E-07	477	0.00E+00
174.	358	0.00E+00	478	3.62E-07
177.	359	0.00E+00	479	3.12E-06
180.	360	0.00E+00	480	1.82E-06
183.	361	3.38E-06	481	0.00E+00
186.	362	8.24E-05	482	0.00E+00
189.	363	5.88E-05	483	3.70E-06
192.	364	0.00E+00	484	5.07E-06
195.	365	4.67E-06	485	3.80E-06
198.	366	0.00E+09	486	1.95E-06
201.	367	0.00E+00	487	1.04E-06
204.	368	0.00E+00	488	7.82E-07
207.	369	0.00E+00	489	1.25E-06
210.	370	0.00E+00	490	3.30E-08
213.	371	0.00E+00	491	2.16E-07
219.	373	0.00E+00	493	1.65E-06
222.	374	0.00E+00	494	2.53E-08
225.	375	0.00E+00	495	3.88E-07
234.	378	0.00E+00	498	2.58E-07
237.	379	0.00E+00	499	3.60E-07

TOWER SAMPLES

HEIGHT	TOWER 1		TOWER 2		TOWER 3		TOWER 4	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
0.5	610	1.62E-04	620	9.05E-05	630	0.00E+00	640	0.00E+00
7.5	611	2.66E-04	621	2.20E-05	631	8.90E-05	641	7.57E-05
15.0	612	2.03E-04	622	4.50E-05	632	8.22E-05	642	1.00E-04
23.0	613	1.93E-05	623	5.73E-04	633	1.61E-06	643	9.04E-05
30.5	614	2.15E-06	624	3.73E-04	634	6.27E-06	644	2.84E-05

HEIGHT	TOWER 5		TOWER 6	
	GLN	CONC	GLN	CONC
0.5	650	1.60E-07	660	3.02E-05
7.5	651	0.00E+00	661	7.09E-05
15.0	652	3.10E-05	662	2.65E-05
23.0	653	1.65E-05	663	2.85E-05
30.5	654	2.39E-05	664	7.45E-05

EOCR TEST 20 NRC STAB G 6/30/76 0344-0442 MST

GAS S AVERAGE WINDS: SPEED 1.5 M/S ;DIRECTION 35. DEGREES
SOURCE STRENGTH 0.1585 GM/S RELEASED GROUND

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
18.	3	1.30E-03	63	0.00E+00	183	0.00E+00	243	0.00E+00
36.	6	2.41E-03	66	0.00E+00	186	0.00E+00	246	0.00E+00
54.	9	2.85E-03	69	0.00E+00	189	0.00E+00	249	0.00E+00
72.	12	2.61E-03	72	0.00E+00	192	0.00E+00	252	0.00E+00
90.	15	1.84E-03	75	1.18E-06	195	0.00E+00	255	0.00E+00
96.	16	0.00E+00	76	4.56E-05	196	0.00E+00	256	0.00E+00
102.	17	0.00E+00	77	4.14E-06	197	0.00E+00	257	0.00E+00
108.	18	1.63E-03	78	1.41E-04	198	0.00E+00	258	0.00E+00
114.	19	0.00E+00	79	6.60E-05	199	0.00E+00	259	0.00E+00
120.	20	0.00E+00	80	1.57E-04	200	0.00E+00	260	0.00E+00
126.	21	1.19E-03	81	1.23E-04	201	0.00E+00	261	0.00E+00
132.	22	0.00E+00	82	1.17E-04	202	3.23E-07	262	0.00E+00
138.	23	0.00E+00	83	1.13E-04	203	9.76E-07	263	0.00E+00
144.	24	1.09E-03	84	9.54E-05	204	6.11E-06	264	0.00E+00
150.	25	0.00E+00	85	8.60E-05	205	9.44E-06	265	0.00E+00
156.	26	0.00E+00	86	6.53E-05	206	1.78E-05	266	0.00E+00
162.	27	1.05E-03	87	1.35E-04	207	1.90E-05	267	0.00E+00
168.	28	0.00E+00	88	1.04E-04	208	2.16E-05	268	0.00E+00
174.	29	0.00E+00	89	3.18E-04	209	5.95E-06	269	0.00E+00
180.	30	9.75E-04	90	0.00E+00	210	2.38E-05	270	0.00E+00
186.	31	0.00E+00	91	4.79E-04	211	1.35E-05	271	0.00E+00
192.	32	0.00E+00	92	5.05E-04	212	1.00E-05	272	9.88E-07
198.	33	3.39E-05	93	5.95E-05	213	0.00E+00	273	1.12E-05
204.	34	0.00E+00	94	4.12E-04	214	6.07E-05	274	0.00E+00
210.	35	0.00E+00	95	4.42E-04	215	0.00E+00	275	4.75E-06
216.	36	4.30E-04	96	3.36E-04	216	7.64E-05	276	3.42E-05
222.	37	0.00E+00	97	2.92E-04	217	6.91E-05	277	2.06E-05
228.	38	0.00E+00	98	2.17E-04	218	3.37E-05	278	9.94E-06
234.	39	4.27E-04	99	0.00E+00	219	3.02E-06	279	8.02E-06
240.	40	0.00E+00	100	2.57E-04	220	6.13E-06	280	0.00E+00
246.	41	0.00E+00	101	2.06E-04	221	2.93E-06	281	0.00E+00
252.	42	3.16E-04	102	7.73E-05	222	0.00E+00	282	0.00E+00
258.	43	0.00E+00	103	7.25E-05	223	0.00E+00	283	0.00E+00
264.	44	0.00E+00	104	3.04E-05	224	0.00E+00	284	0.00E+00
270.	45	2.10E-04	105	2.09E-05	225	0.00E+00	285	0.00E+00
276.	46	0.00E+00	106	1.24E-05	226	0.00E+00	286	0.00E+00
282.	47	0.00E+00	107	2.76E-06	227	0.00E+00	287	0.00E+00
306.	51	2.50E-04	111	0.00E+00	231	0.00E+00	291	0.00E+00
324.	54	2.52E-04	114	0.00E+00	234	0.00E+00	294	0.00E+00
342.	57	4.27E-05	117	0.00E+00	237	0.00E+00	297	0.00E+00
360.	60	7.99E-05	120	0.00E+00	240	0.00E+00	300	0.00E+00

EOCR TEST 20 NRC STAB G 6/30/76 0344-0442 MST

GAS S AVERAGE WINDS: SPEED 1.5 M/S ;DIRECTION 35. DEGREES
SOURCE STRENGTH 0.1585 GM/S RELEASED GROUND

MISCELLANEOUS SAMPLES

GROUP 1

GLN	CONC
701	9.94E-04
702	9.55E-04
703	9.02E-04
704	7.90E-04

GAS F AVERAGE WINDS: SPEED 5.6 M/S ;DIRECTION 47. DEGREES
SOURCE STRENGTH 1.2446 GM/S RELEASED STACK

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
114.	19	0.00E+00	79	9.71E-06	199	0.00E+00	259	0.00E+00
132.	22	0.00E+00	82	0.00E+00	202	1.03E-05	262	0.00E+00
138.	23	0.00E+00	83	0.00E+00	203	7.40E-05	263	0.00E+00
144.	24	0.00E+00	84	1.28E-04	204	1.28E-05	264	0.00E+00
150.	25	0.00E+00	85	5.68E-06	205	0.00E+00	265	0.00E+00
162.	27	0.00E+00	87	0.00E+00	207	3.90E-06	267	0.00E+00
180.	30	0.00E+00	90	4.16E-05	210	0.00E+00	270	0.00E+00
192.	32	0.00E+00	92	0.00E+00	212	1.12E-05	272	0.00E+00
198.	33	0.00E+00	93	5.02E-05	213	0.00E+00	273	6.69E-07
210.	35	0.00E+00	95	0.00E+00	215	3.15E-05	275	0.00E+00
216.	36	0.00E+00	96	0.00E+00	216	3.75E-05	276	0.00E+00
222.	37	0.00E+00	97	1.89E-05	217	5.69E-05	277	3.00E-05
228.	38	0.00E+00	98	0.00E+00	218	2.55E-05	278	7.95E-06
234.	39	0.00E+00	99	0.00E+00	219	1.65E-05	279	0.00E+00
270.	45	0.00E+00	105	5.90E-06	225	0.00E+00	285	0.00E+00
288.	48	0.00E+00	108	5.79E-05	228	0.00E+00	288	0.00E+00
300.	50	0.00E+00	110	5.49E-05	230	0.00E+00	290	0.00E+00
342.	57	4.36E-05	117	0.00E+00	237	0.00E+00	297	0.00E+00
360.	60	4.00E-05	120	0.00E+00	240	0.00E+00	300	0.00E+00

BEARING	1200. M		1600. M	
	GLN	CONC	GLN	CONC
138.	346	0.00E+00	466	2.15E-06
141.	347	1.18E-05	467	0.00E+00
147.	349	0.00E+00	469	7.44E-05
150.	350	1.31E-05	470	0.00E+00
153.	351	0.00E+00	471	8.29E-05
156.	352	8.12E-06	472	0.00E+00
162.	354	4.01E-05	474	0.00E+00
165.	355	1.19E-05	475	0.00E+00
168.	356	4.94E-06	476	0.00E+00
171.	357	7.18E-06	477	0.00E+00

EOCR TEST 20 NRC STAB G 6/30/76 0344-0442 MST

GAS S AVERAGE WINDS: SPEED 1.5 M/S ;DIRECTION 35. DEGREES
SOURCE STRENGTH 0.1585 GM/S RELEASED GROUND

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	1200. M		1600. M	
	GLN	CONC	GLN	CONC
123.	341	0.00E+00	461	8.09E-06
153.	351	0.00E+00	471	2.06E-07
159.	353	1.12E-07	473	0.00E+00
162.	354	2.20E-07	474	0.00E+00
171.	357	0.00E+00	477	6.16E-07
174.	358	0.00E+00	478	1.28E-07
177.	359	0.00E+00	479	5.18E-07
183.	361	0.00E+00	481	9.32E-07
186.	362	0.00E+00	482	4.83E-06
189.	363	4.29E-07	483	3.12E-06
192.	364	0.00E+00	484	1.56E-06
195.	365	1.57E-06	485	1.10E-06
198.	366	0.00E+00	486	4.90E-06
201.	367	5.67E-07	487	5.06E-07
204.	368	0.00E+00	488	4.48E-06
207.	369	0.00E+00	489	3.28E-07
210.	370	0.00E+00	490	1.12E-06
213.	371	3.20E-06	491	4.69E-06
216.	372	1.02E-05	492	0.00E+00
219.	373	3.32E-05	493	2.41E-05
222.	374	1.76E-05	494	1.36E-05
225.	375	7.72E-06	495	4.12E-06
228.	376	5.67E-07	496	2.97E-06
231.	377	5.52E-06	497	3.60E-06
234.	378	5.54E-06	498	1.14E-06

TOWER SAMPLES

HEIGHT	TOWER 1		TOWER 2		TOWER 3		TOWER 4	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
0.5	610	0.00E+00	620	5.95E-05	630	0.00E+00	640	0.00E+00
7.5	611	2.04E-04	621	3.90E-03	631	0.00E+00	641	1.42E-04
15.0	612	2.35E-05	622	1.65E-04	632	4.52E-06	642	6.21E-05
23.0	613	0.00E+00	623	1.43E-05	633	2.47E-06	643	1.11E-05
30.5	614	0.00E+00	624	1.06E-06	634	3.13E-07	644	0.00E+00

HEIGHT	TOWER 5		TOWER 6	
	GLN	CONC	GLN	CONC
0.5	650	2.38E-05	660	0.00E+00
7.5	651	0.00E+00	661	3.59E-05
15.0	652	1.25E-05	662	2.80E-05
23.0	653	2.64E-06	663	1.01E-05
30.5	654	0.00E+00	664	3.54E-06

EOCR TEST 20 NRC STAB G 6/30/76 0344-0442 MST

GAS F AVERAGE WINDS: SPEED 5.6 M/S ;DIRECTION 47. DEGREES
SOURCE STRENGTH 1.2446 GM/S RELEASED STACK

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	1200. M		1600. M	
	GLN	CONC	GLN	CONC
174.	358	6.56E-06	478	0.00E+00
177.	359	0.00E+00	479	2.49E-06
180.	360	0.00E+00	480	1.09E-06
201.	367	0.00E+00	487	2.10E-06
207.	369	6.98E-06	489	4.21E-05
210.	370	0.00E+00	490	1.09E-06
213.	371	1.31E-05	491	0.00E+00
216.	372	1.13E-05	492	0.00E+00
219.	373	1.80E-05	493	1.90E-05
222.	374	0.00E+00	494	3.81E-05
225.	375	1.67E-05	495	1.55E-05
231.	377	8.89E-06	497	0.00E+00
237.	379	9.61E-07	499	0.00E+00
240.	380	0.00E+00	500	2.33E-06

TOWER SAMPLES

HEIGHT	TOWER 1		TOWER 2		TOWER 3		TOWER 4	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
0.5	610	4.16E-05	620	5.02E-05	630	0.00E+00	640	0.00E+00
7.5	611	0.00E+00	621	3.07E-04	631	4.97E-05	641	0.00E+00
15.0	612	3.73E-05	622	7.46E-05	632	1.92E-05	642	2.98E-05
23.0	613	2.86E-05	623	7.09E-05	633	1.92E-05	643	5.13E-05
30.5	614	0.00E+00	624	0.00E+00	634	2.64E-05	644	2.59E-05

HEIGHT	TOWER 5		TOWER 6	
	GLN	CONC	GLN	CONC
7.5	651	2.98E-05	661	0.00E+00
15.0	652	0.00E+00	662	1.45E-05
30.5	654	3.25E-06	664	2.01E-05

MISCELLANEOUS SAMPLES

GROUP 1

GLN	CONC

EOCR TEST 20 NRC STAB G 6/30/76 0344-0442 MST

GAS B AVERAGE WINDS: SPEED 5.3 M/S ;DIRECTION 47. DEGREES
SOURCE STRENGTH 0.6226 GM/S RELEASED ROOF

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
78.	13	0.00E+00	73	1.27E-06	193	0.00E+00	253	0.00E+00
90.	15	8.86E-06	75	3.92E-08	195	0.00E+00	255	0.00E+00
102.	17	0.00E+00	77	8.30E-07	197	0.00E+00	257	0.00E+00
108.	18	9.95E-06	78	2.07E-06	198	0.00E+00	258	0.00E+00
120.	20	0.00E+00	80	4.29E-06	200	0.00E+00	260	0.00E+00
126.	21	1.66E-05	81	1.15E-05	201	0.00E+00	261	0.00E+00
132.	22	0.00E+00	82	1.03E-05	202	3.06E-07	262	0.00E+00
138.	23	0.00E+00	83	2.34E-05	203	1.12E-07	263	0.00E+00
144.	24	2.04E-05	84	1.60E-06	204	0.00E+00	264	0.00E+00
150.	25	0.00E+00	85	1.12E-05	205	2.37E-06	265	0.00E+00
156.	26	0.00E+00	86	8.85E-06	206	5.42E-06	266	0.00E+00
162.	27	2.39E-05	87	1.65E-05	207	0.00E+00	267	0.00E+00
168.	28	0.00E+00	88	0.00E+00	208	2.34E-06	268	0.00E+00
174.	29	0.00E+00	89	1.41E-05	209	2.48E-06	269	0.00E+00
180.	30	6.48E-05	90	9.20E-07	210	7.54E-06	270	0.00E+00
186.	31	0.00E+00	91	1.47E-05	211	0.00E+00	271	0.00E+00
192.	32	0.00E+00	92	2.19E-05	212	0.00E+00	272	0.00E+00
198.	33	0.00E+00	93	2.83E-06	213	0.00E+00	273	0.00E+00
204.	34	0.00E+00	94	1.16E-04	214	1.34E-05	274	0.00E+00
210.	35	0.00E+00	95	1.05E-04	215	0.00E+00	275	0.00E+00
216.	36	1.01E-04	96	1.34E-04	216	2.96E-05	276	1.09E-05
222.	37	0.00E+00	97	9.06E-05	217	4.78E-05	277	1.75E-05
228.	38	0.00E+00	98	2.62E-05	218	1.96E-05	278	7.79E-06
234.	39	8.35E-06	99	0.00E+00	219	0.00E+00	279	0.00E+00
240.	40	0.00E+00	100	3.60E-06	220	1.73E-06	280	0.00E+00
246.	41	0.00E+00	101	5.63E-07	221	0.00E+00	281	0.00E+00
360.	60	3.93E-06	120	0.00E+00	240	0.00E+00	300	0.00E+00

BEARING	1200. M		1600. M	
	GLN	CONC	GLN	CONC
123.	341	0.00E+00	461	2.76E-06
126.	342	0.00E+00	462	4.79E-06
129.	343	0.00E+00	463	2.33E-07
132.	344	0.00E+00	464	1.46E-06
135.	345	0.00E+00	465	3.16E-06
141.	347	0.00E+00	467	6.98E-06
150.	350	0.00E+00	470	7.20E-07
153.	351	0.00E+00	471	5.54E-05
159.	353	0.00E+00	473	1.43E-06
162.	354	0.00E+00	474	1.01E-07
165.	355	0.00E+00	475	1.36E-06
168.	356	0.00E+00	476	1.93E-06
171.	357	0.00E+00	477	4.35E-07
174.	358	3.69E-07	478	3.65E-07

EOCR TEST 20 NRC STAB G 6/30/76 0344-0442 MST

GAS B AVERAGE WINDS: SPEED 5.3 M/S ;DIRECTION 47. DEGREES
SOURCE STRENGTH 0.6226 GM/S RELEASED ROOF

MISCELLANEOUS SAMPLES

GROUP 1

GLN	CONC
703	2.45E-05
704	7.12E-05

EOCR TEST 20 NRC STAB G 6/30/76 0344-0442 MST

GAS B AVERAGE WINDS: SPEED 5.3 M/S ;DIRECTION 47. DEGREES
SOURCE STRENGTH 0.6226 GM/S RELEASED ROOF

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	1200. M		1600. M	
	GLN	CONC	GLN	CONC
177.	359	0.00E+00	479	9.38E-07
180.	360	0.00E+00	480	2.52E-06
183.	361	0.00E+00	481	1.23E-06
186.	362	0.00E+00	482	7.01E-07
189.	363	0.00E+00	483	1.64E-06
192.	364	0.00E+00	484	1.31E-06
195.	365	4.78E-08	485	1.33E-06
201.	367	0.00E+00	487	5.81E-07
204.	368	0.00E+00	488	6.28E-07
207.	369	0.00E+00	489	5.43E-07
213.	371	3.82E-06	491	1.69E-06
216.	372	6.66E-06	492	0.00E+00
219.	373	1.81E-05	493	1.84E-05
222.	374	1.89E-05	494	2.86E-05
225.	375	7.15E-06	495	6.31E-06
228.	376	0.00E+00	496	5.70E-06
231.	377	2.89E-06	497	6.36E-06
234.	378	0.00E+00	498	2.31E-06
237.	379	7.36E-08	499	3.92E-07
240.	380	0.00E+00	500	6.23E-07

TOWER SAMPLES

HEIGHT	TOWER 1		TOWER 2		TOWER 3		TOWER 4	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
0.5	610	9.20E-07	620	2.83E-06	630	0.00E+00	640	0.00E+00
7.5	611	5.18E-05	621	1.21E-03	631	0.00E+00	641	2.07E-05
15.0	612	7.10E-05	622	1.75E-04	632	1.76E-05	642	1.68E-05
23.0	613	3.96E-05	623	9.48E-05	633	1.89E-05	643	1.21E-05
30.5	614	4.84E-06	624	8.20E-06	634	2.38E-05	644	1.59E-05

HEIGHT	TOWER 5		TOWER 6	
	GLN	CONC	GLN	CONC
0.5	650	7.54E-06	660	0.00E+00
7.5	651	4.08E-06	661	0.00E+00
15.0	652	2.03E-06	662	6.79E-06
23.0	653	8.60E-06	663	1.18E-05
30.5	654	2.41E-06	664	1.13E-05

EOCR TEST 21 NRC STAB G 7/15/76 0344-0444 MST

GAS S AVERAGE WINDS: SPEED 1.3 M/S ;DIRECTION 9. DEGREES
SOURCE STRENGTH 0.1539 GM/S RELEASED GROUND

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
18.	3	4.21E-04	63	0.00E+00	193	0.00E+00	243	0.00E+00
36.	6	2.15E-03	66	0.00E+00	196	0.00E+00	246	0.00E+00
54.	9	5.44E-03	69	0.00E+00	199	0.00E+00	249	0.00E+00
72.	12	2.81E-03	72	0.00E+00	192	0.00E+00	252	0.00E+00
90.	15	1.61E-03	75	0.00E+00	195	0.00E+00	255	0.00E+00
102.	17	0.00E+00	77	0.00E+00	197	0.00E+00	257	1.06E-05
108.	18	1.95E-03	78	0.00E+00	198	0.00E+00	258	9.36E-06
114.	19	0.00E+00	79	0.00E+00	199	0.00E+00	259	1.04E-06
120.	20	0.00E+00	80	0.00E+00	200	0.00E+00	260	4.92E-06
126.	21	1.14E-03	81	0.00E+00	201	0.00E+00	261	7.34E-06
132.	22	0.00E+00	82	1.59E-03	202	0.00E+00	262	0.00E+00
138.	23	0.00E+00	83	0.00E+00	203	0.00E+00	263	4.93E-07
144.	24	8.35E-04	84	1.09E-03	204	0.00E+00	264	3.81E-06
150.	25	0.00E+00	85	1.17E-03	205	2.11E-05	265	1.33E-06
156.	26	0.00E+00	86	5.93E-04	206	2.77E-04	266	1.60E-05
162.	27	0.00E+00	87	0.44E-04	207	1.97E-04	267	6.31E-05
168.	28	0.00E+00	88	6.93E-04	208	2.33E-04	268	3.16E-05
174.	29	0.00E+00	89	5.16E-04	209	4.55E-05	269	6.62E-05
180.	30	4.01E-04	90	0.00E+00	210	2.24E-04	270	1.11E-04
186.	31	0.00E+00	91	2.64E-04	211	0.00E+00	271	4.63E-05
192.	32	0.00E+00	92	1.60E-04	212	3.10E-05	272	6.21E-06
198.	33	1.11E-04	93	1.46E-04	213	1.14E-05	273	1.81E-05
204.	34	0.00E+00	94	9.32E-05	214	0.00E+00	274	3.43E-06
210.	35	0.00E+00	95	4.63E-05	215	4.04E-06	275	9.30E-06
216.	36	1.24E-04	96	7.93E-05	216	4.86E-06	276	1.87E-05
222.	37	0.00E+00	97	6.00E-05	217	3.85E-06	277	6.07E-06
228.	38	0.00E+00	98	3.61E-05	218	5.67E-06	278	1.86E-05
234.	39	1.43E-05	99	2.78E-05	219	0.00E+00	279	8.40E-07
240.	40	0.00E+00	100	5.02E-05	220	0.00E+00	280	5.10E-07
246.	41	0.00E+00	101	6.91E-06	221	0.00E+00	281	2.20E-06
252.	42	6.82E-05	102	8.69E-07	222	5.63E-07	282	3.50E-05
258.	43	0.00E+00	103	0.00E+00	223	0.00E+00	283	9.02E-06
264.	44	0.00E+00	104	0.00E+00	224	0.00E+00	284	1.75E-05
270.	45	5.44E-05	105	0.00E+00	225	1.04E-06	285	3.45E-05
276.	46	0.00E+00	106	0.00E+00	226	1.04E-07	286	0.00E+00
282.	47	0.00E+00	107	0.00E+00	227	2.85E-07	287	0.00E+00
288.	48	4.05E-05	108	0.00E+00	228	0.00E+00	288	0.00E+00
306.	51	1.87E-04	111	0.00E+00	231	0.00E+00	291	9.00E+00
324.	54	7.74E-05	114	0.00E+00	234	0.00E+00	294	0.00E+00
342.	57	1.10E-04	117	0.00E+00	237	0.00E+00	297	0.00E+00
360.	60	1.80E-04	120	0.00E+00	240	0.00E+00	300	0.00E+00

EOCR TEST 21 NRC STAB G 7/15/76 0344-0444 MST

GAS S AVERAGE WINDS: SPEED 1.3 M/S ;DIRECTION 9. DEGREES
SOURCE STRENGTH 0.1539 GM/S RELEASED GROUND

TOWER SAMPLES

HEIGHT	TOWER 1		TOWER 2		TOWER 3		TOWER 4	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
0.5	610	0.00E+00	620	1.46E-04	630	0.00E+00	640	0.00E+00
7.5	611	3.75E-05	621	1.75E-04	631	2.07E-04	641	6.59E-05
15.0	612	3.23E-05	622	0.10E-05	632	5.85E-05	642	5.02E-05
23.0	613	5.98E-07	623	0.00E+00	633	9.68E-06	643	1.87E-05
30.5	614	0.00E+00	624	4.95E-06	634	1.68E-06	644	4.17E-06

HEIGHT	TOWER 5		TOWER 6	
	GLN	CONC	GLN	CONC
0.5	650	2.24E-04	660	1.14E-05
7.5	651	2.22E-04	661	4.06E-06
15.0	652	9.34E-05	662	1.13E-06
23.0	653	4.60E-05	663	1.79E-05
30.5	654	0.00E+00	664	3.00E-06

MISCELLANEOUS SAMPLES

GROUP 1	
GLN	CONC
701	1.49E-04
702	6.80E-06
703	1.51E-04
704	1.39E-04

GAS F AVERAGE WINDS: SPEED 4.0 M/S ;DIRECTION 27. DEGREES
SOURCE STRENGTH 1.2419 GM/S RELEASED STACK

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
96.	16	0.00E+00	76	0.00E+00	196	0.00E+00	256	3.47E-06
102.	17	0.00E+00	77	0.00E+00	197	0.00E+00	257	5.35E-05
108.	18	0.00E+00	78	0.00E+00	198	0.00E+00	258	7.11E-05
114.	19	0.00E+00	79	0.00E+00	199	0.00E+00	259	4.42E-05
120.	20	0.00E+00	80	0.00E+00	200	0.00E+00	260	8.45E-06
126.	21	0.00E+00	81	0.00E+00	201	0.00E+00	261	8.57E-05
132.	23	0.00E+00	83	0.00E+00	203	1.38E-04	263	3.64E-06
144.	24	0.00E+00	84	0.00E+00	204	2.23E-04	264	3.09E-04
150.	25	0.00E+00	85	0.00E+00	205	0.00E+00	265	2.88E-06
162.	27	0.00E+00	87	0.00E+00	207	5.96E-05	267	0.00E+00
168.	28	0.00E+00	88	0.00E+00	208	0.00E+00	268	4.01E-05
174.	29	0.00E+00	89	1.10E-04	209	3.03E-05	269	7.01E-05
180.	30	7.34E-05	90	0.00E+00	210	0.00E+00	270	2.39E-05
186.	31	0.00E+00	91	9.78E-05	211	0.00E+00	271	0.00E+00

EOCR TEST 21 NRC STAB G 7/15/76 0344-0444 MST

GAS S AVERAGE WINDS: SPEED 1.3 M/S ;DIRECTION 9. DEGREES
SOURCE STRENGTH 0.1539 GM/S RELEASED GROUND

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	1200. M		1600. M	
	GLN	CONC	GLN	CONC
123.	341	4.09E-06	461	3.18E-07
126.	342	1.11E-05	462	0.00E+00
129.	343	8.73E-06	463	0.00E+00
132.	344	4.68E-07	464	0.00E+00
135.	345	2.58E-06	465	0.00E+00
147.	349	5.44E-06	469	0.00E+00
150.	350	1.00E-05	470	0.00E+00
153.	351	6.94E-07	471	0.00E+00
156.	352	5.06E-06	472	0.00E+00
159.	353	1.24E-05	473	7.22E-07
162.	354	8.64E-06	474	2.40E-05
165.	355	3.53E-05	475	2.16E-05
168.	356	1.96E-05	476	2.96E-05
171.	357	1.69E-05	477	3.68E-05
174.	358	6.96E-05	478	1.82E-05
177.	359	6.46E-05	479	1.75E-05
180.	360	1.02E-05	480	2.31E-05
183.	361	2.38E-05	481	8.01E-06
186.	362	7.38E-06	482	6.38E-06
189.	363	4.47E-06	483	5.74E-06
192.	364	5.13E-06	484	4.69E-06
195.	365	3.53E-06	485	3.62E-06
198.	366	1.14E-06	486	6.86E-06
201.	367	6.32E-07	487	2.52E-05
204.	368	2.91E-06	488	3.66E-06
207.	369	3.88E-06	489	2.13E-05
210.	370	3.84E-06	490	5.71E-06
213.	371	3.43E-06	491	1.50E-05
216.	372	5.93E-06	492	2.90E-06
219.	373	6.90E-06	493	9.35E-07
222.	374	3.10E-06	494	1.16E-06
225.	375	1.82E-06	495	0.00E+00
228.	376	0.00E+00	496	4.03E-06
231.	377	0.00E+00	497	2.72E-05
234.	378	3.10E-07	498	1.06E-07
237.	379	3.30E-07	499	1.17E-07
240.	380	1.59E-06	500	3.54E-06

EOCR TEST 21 NRC STAB G 7/15/76 0344-0444 MST

GAS F AVERAGE WINDS: SPEED 4.0 M/S ;DIRECTION 27. DEGREES
SOURCE STRENGTH 1.2419 GM/S RELEASED STACK

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
192.	32	0.00E+00	92	8.24E-05	212	1.68E-04	272	1.40E-05
198.	33	3.29E-05	93	3.91E-05	213	1.62E-05	273	1.77E-05
210.	35	0.00E+00	95	0.00E+00	215	0.00E+00	275	5.82E-06
216.	36	2.46E-05	96	0.00E+00	216	7.31E-06	276	2.06E-05
222.	37	0.00E+00	97	0.00E+00	217	8.68E-05	277	5.30E-06
228.	38	0.00E+00	98	1.16E-05	218	7.43E-06	278	8.91E-05
234.	39	2.03E-04	99	0.00E+00	219	5.27E-05	279	2.08E-06
240.	40	0.00E+00	100	0.00E+00	220	3.87E-05	280	6.76E-06
246.	41	0.00E+00	101	0.00E+00	221	0.00E+00	281	1.74E-06
252.	42	0.00E+00	102	3.33E-06	222	1.26E-05	282	2.10E-05
258.	43	0.00E+00	103	0.00E+00	223	0.00E+00	283	1.13E-06
264.	44	0.00E+00	104	0.00E+00	224	7.71E-06	284	2.80E-05
270.	45	0.00E+00	105	7.07E-06	225	3.97E-05	285	1.19E-04
282.	47	0.00E+00	107	3.86E-06	227	8.31E-06	287	0.00E+00
288.	48	0.00E+00	108	0.00E+00	228	3.42E-05	288	0.00E+00
294.	49	0.00E+00	109	4.56E-06	229	0.00E+00	289	0.00E+00
300.	50	0.00E+00	110	0.00E+00	230	3.54E-06	290	0.00E+00

BEARING	1200. M		1600. M	
	GLN	CONC	GLN	CONC
123.	341	0.00E+00	461	6.98E-06
126.	342	2.46E-05	462	6.15E-05
129.	343	3.26E-05	463	7.47E-06
135.	345	0.00E+00	465	1.21E-05
138.	346	6.92E-06	466	0.00E+00
147.	349	1.77E-05	469	1.59E-05
150.	350	6.70E-06	470	0.00E+00
153.	351	5.74E-06	471	3.53E-06
156.	352	6.19E-06	472	0.00E+00
162.	354	0.00E+00	474	3.14E-05
165.	355	1.32E-05	475	2.33E-06
168.	356	6.12E-06	476	1.55E-06
171.	357	1.76E-05	477	1.80E-05
174.	358	5.01E-06	478	9.39E-06
177.	359	2.01E-05	479	1.44E-05
180.	360	0.00E+00	480	1.66E-05
183.	361	1.94E-05	481	1.14E-05
186.	362	1.28E-05	482	1.75E-05
189.	363	1.33E-05	483	6.04E-06
192.	364	2.81E-05	484	2.90E-06
195.	365	1.00E-05	485	3.29E-07
198.	366	9.04E-07	486	6.59E-05
201.	367	9.42E-06	487	4.25E-05
204.	368	9.99E-07	488	6.34E-06

EOCR TEST 21 NRC STAB G 7/15/76 0344-0444 MST

GAS F AVERAGE WINDS: SPEED 4.0 M/S ;DIRECTION 27. DEGREES
SOURCE STRENGTH 1.2419 GM/S RELEASED STACK

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	1200. M		1600. M	
	GLN	CONC	GLN	CONC
207.	369	1.23E-05	489	5.16E-05
210.	370	0.00E+00	490	4.93E-05
213.	371	1.95E-05	491	1.25E-05
216.	372	0.00E+00	492	7.27E-07
219.	373	4.95E-06	493	5.03E-06
222.	374	3.64E-05	494	0.00E+00
228.	376	1.72E-06	496	9.77E-07
231.	377	5.32E-06	497	3.64E-05
234.	378	2.25E-06	498	4.94E-06
237.	379	0.00E+00	499	4.26E-06
240.	380	1.98E-05	500	7.77E-06

TOWER SAMPLES

HEIGHT	TOWER 1		TOWER 2		TOWER 3		TOWER 4	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
0.5	610	0.00E+00	620	3.91E-05	630	0.00E+00	640	0.00E+00
7.5	611	4.30E-05	621	0.86E-05	631	7.90E-05	641	1.32E-04
15.0	612	1.55E-04	622	1.79E-04	632	4.52E-05	642	1.49E-04
23.0	613	5.15E-05	623	0.00E+00	633	2.55E-05	643	1.30E-04
30.5	614	0.00E+00	624	1.86E-04	634	8.95E-06	644	3.12E-05

HEIGHT	TOWER 5		TOWER 6	
	GLN	CONC	GLN	CONC
0.5	650	0.00E+00	660	1.62E-05
7.5	651	6.07E-05	661	2.06E-04
15.0	652	0.00E+00	662	2.01E-04
23.0	653	1.90E-05	663	5.36E-05
30.5	654	0.00E+00	664	2.07E-04

MISCELLANEOUS SAMPLES

GROUP 1	
GLN	CONC
703	5.65E-05
704	7.74E-05

EOCR TEST 21 NRC STAB G 7/15/76 0344-0444 MST

GAS B AVERAGE WINDS: SPEED 3.8 M/S ;DIRECTION 27. DEGREES
SOURCE STRENGTH 0.6088 GM/S RELEASED ROOF

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
90.	15	6.56E-05	75	0.00E+00	195	0.00E+00	255	0.00E+00
102.	17	0.00E+00	77	0.00E+00	197	0.00E+00	257	4.34E-07
108.	18	3.91E-05	78	0.00E+00	198	0.00E+00	258	0.00E+00
126.	21	6.05E-05	81	0.00E+00	201	0.00E+00	261	0.00E+00
132.	22	0.00E+00	82	0.00E+00	202	2.93E-07	262	0.00E+00
144.	24	2.11E-04	84	7.34E-06	204	0.00E+00	264	0.00E+00
150.	25	0.00E+00	85	2.40E-05	205	0.00E+00	265	0.00E+00
156.	26	0.00E+00	86	3.15E-05	206	1.54E-06	266	0.00E+00
162.	27	0.00E+00	87	9.15E-05	207	5.55E-06	267	0.00E+00
168.	28	0.00E+00	88	1.35E-04	208	1.79E-05	268	4.67E-07
174.	29	0.00E+00	89	1.67E-04	209	5.30E-05	269	3.73E-06
180.	30	1.91E-04	90	0.00E+00	210	2.02E-05	270	1.29E-05
186.	31	0.00E+00	91	1.33E-04	211	0.00E+00	271	7.37E-06
192.	32	0.00E+00	92	1.21E-04	212	1.02E-06	272	5.37E-06
198.	33	5.63E-05	93	4.95E-05	213	1.39E-05	273	0.00E+00
204.	34	0.00E+00	94	7.91E-06	214	0.00E+00	274	0.00E+00
210.	35	0.00E+00	95	2.78E-05	215	5.67E-08	275	0.00E+00
216.	36	5.52E-05	96	4.78E-05	216	0.00E+00	276	0.00E+00
228.	38	0.00E+00	98	1.07E-06	218	0.00E+00	278	0.00E+00
234.	39	0.00E+00	99	0.00E+00	219	7.69E-07	279	0.00E+00
240.	40	0.00E+00	100	0.00E+00	220	6.02E-08	280	0.00E+00
342.	57	1.44E-06	117	0.00E+00	237	0.00E+00	297	0.00E+00

BEARING	1200. M		1600. M	
	GLN	CONC	GLN	CONC
126.	342	3.98E-06	462	0.00E+00
129.	343	4.19E-06	463	0.00E+00
147.	349	4.53E-07	469	0.00E+00
165.	355	2.82E-06	475	0.00E+00
168.	356	4.18E-06	476	1.33E-06
171.	357	1.86E-06	477	4.13E-06
174.	358	4.36E-06	478	4.55E-06
177.	359	8.85E-06	479	6.08E-06
180.	360	2.98E-06	480	0.00E+00
183.	361	8.41E-06	481	3.22E-06
186.	362	0.00E+00	482	4.35E-06
189.	363	5.63E-06	483	4.40E-06
192.	364	2.45E-06	484	0.00E+00
195.	365	3.64E-07	485	0.00E+00
198.	366	6.53E-07	486	0.00E+00

EOCR TEST 21 NRC STAB G 7/15/76 0344-0444 MST

GAS B AVERAGE WINDS: SPEED 3.8 M/S ;DIRECTION 27. DEGREES
SOURCE STRENGTH 0.6089 GM/S RELEASED ROOF

TOWER SAMPLES

HEIGHT	TOWER 1		TOWER 2		TOWER 3		TOWER 4	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
0.5	610	0.00E+00	620	4.95E-05	630	0.00E+00	640	0.00E+00
7.5	611	3.44E-05	621	1.33E-04	631	1.14E-04	641	1.07E-04
15.0	612	2.07E-04	622	1.81E-04	632	8.22E-05	642	1.48E-04
23.0	613	8.18E-06	623	0.00E+00	633	1.92E-05	643	1.22E-04
30.5	614	6.71E-06	624	9.69E-05	634	8.29E-06	644	4.55E-05

HEIGHT	TOWER 5		TOWER 6	
	GLN	CONC	GLN	CONC
0.5	650	2.82E-05	660	1.39E-05
7.5	651	4.59E-05	661	1.99E-06
15.0	652	2.53E-05	662	0.00E+00
23.0	653	1.50E-05	663	5.86E-05
30.5	654	7.42E-05	664	1.45E-05

MISCELLANEOUS SAMPLES

GROUP 1	
GLN	CONC
703	3.98E-04
704	3.93E-04

EOCR TEST 22 NRC STAB E 7/16/76 0742-0842 MST

GAS S AVERAGE WINDS: SPEED 2.4 M/S ;DIRECTION 34. DEGREES
SOURCE STRENGTH 0.1479 GM/S RELEASED GROUND

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
18.	3	1.86E-05	63	0.00E+00	183	0.00E+00	243	0.00E+00
36.	6	2.74E-05	66	0.00E+00	186	0.00E+00	246	0.00E+00
54.	9	2.20E-03	69	0.00E+00	189	0.00E+00	249	0.00E+00
72.	12	2.10E-03	72	0.00E+00	192	0.00E+00	252	0.00E+00
90.	15	1.40E-03	75	0.00E+00	195	0.00E+00	255	0.00E+00
108.	18	1.28E-03	78	0.00E+00	198	0.00E+00	258	0.00E+00
126.	21	9.37E-04	81	0.75E-05	201	0.00E+00	261	0.00E+00
138.	23	0.00E+00	83	1.33E-05	203	0.00E+00	263	0.00E+00
144.	24	8.94E-04	84	1.94E-05	204	0.00E+00	264	0.00E+00
150.	25	0.00E+00	85	1.14E-04	205	0.00E+00	265	0.00E+00
156.	26	0.00E+00	86	2.61E-04	206	5.19E-07	266	0.00E+00
162.	27	8.31E-04	87	3.70E-04	207	4.87E-07	267	0.00E+00
168.	28	0.00E+00	88	0.00E+00	208	2.29E-07	268	3.10E-07
174.	29	0.00E+00	89	4.56E-04	209	2.65E-06	269	4.94E-07
180.	30	9.33E-04	90	4.46E-04	210	4.37E-06	270	9.60E-07
186.	31	0.00E+00	91	3.91E-04	211	0.00E+00	271	8.04E-07
192.	32	0.00E+00	92	0.00E+00	212	0.00E+00	272	1.56E-06
198.	33	6.38E-04	93	3.23E-04	213	4.20E-05	273	3.16E-06
204.	34	0.00E+00	94	1.29E-05	214	3.69E-05	274	6.97E-06
210.	35	0.00E+00	95	0.00E+00	215	0.00E+00	275	6.07E-06
216.	36	5.64E-04	96	2.42E-04	216	2.18E-05	276	4.04E-06
222.	37	0.00E+00	97	2.29E-04	217	2.81E-05	277	5.98E-06
228.	38	0.00E+00	98	1.26E-04	218	2.64E-05	278	3.91E-06
234.	39	3.34E-04	99	1.82E-04	219	1.02E-05	279	2.34E-06
240.	40	0.00E+00	100	1.26E-04	220	0.00E+00	280	3.32E-07
246.	41	0.00E+00	101	9.68E-05	221	3.58E-05	281	0.00E+00
252.	42	2.67E-04	102	4.75E-05	222	0.00E+00	282	0.00E+00
258.	43	0.00E+00	103	1.90E-05	223	0.00E+00	283	0.00E+00
264.	44	0.00E+00	104	2.01E-05	224	0.00E+00	284	0.00E+00
270.	45	1.07E-04	105	1.55E-05	225	0.00E+00	285	0.00E+00
276.	46	0.00E+00	106	8.07E-06	226	0.00E+00	286	0.00E+00
288.	48	1.08E-04	108	0.00E+00	228	0.00E+00	288	0.00E+00
324.	54	1.14E-04	114	0.00E+00	234	0.00E+00	294	0.00E+00
342.	57	9.38E-05	117	0.00E+00	237	0.00E+00	297	0.00E+00
360.	60	4.45E-04	120	0.00E+00	240	0.00E+00	300	0.00E+00

BEARING	1200. M		1600. M	
	GLN	CONC	GLN	CONC
174.	358	2.71E-06	478	0.00E+00
180.	360	3.36E-06	480	0.00E+00
189.	363	5.46E-07	483	3.99E-07
192.	364	9.82E-07	484	0.00E+00
195.	365	1.58E-06	485	1.26E-06
198.	366	2.72E-06	486	1.64E-06

EOCR TEST 22 NRC STAB E 7/16/76 0742-0842 MST

GAS F AVERAGE WINDS: SPEED 4.7 M/S ;DIRECTION 19. DEGREES
SOURCE STRENGTH 1.2288 GM/S RELEASED STACK

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
18.	3	7.23E-05	63	0.00E+00	183	0.00E+00	243	0.00E+00
36.	6	6.75E-05	66	0.00E+00	186	0.00E+00	246	0.00E+00
66.	11	0.00E+00	71	2.06E-06	191	0.00E+00	251	0.00E+00
126.	21	0.00E+00	81	1.43E-05	201	0.00E+00	261	0.00E+00
132.	22	0.00E+00	82	8.06E-05	202	0.00E+00	262	5.21E-05
138.	23	0.00E+00	83	0.00E+00	203	0.00E+00	263	2.74E-06
144.	24	0.00E+00	84	0.00E+00	204	0.00E+00	264	3.16E-05
150.	25	0.00E+00	85	9.12E-05	205	0.00E+00	265	0.00E+00
156.	26	0.00E+00	86	0.00E+00	206	2.69E-05	266	1.68E-06
162.	27	0.00E+00	87	0.00E+00	207	2.26E-05	267	1.80E-05
168.	28	0.00E+00	88	0.00E+00	208	0.00E+00	268	3.86E-05
174.	29	0.00E+00	89	0.00E+00	209	0.00E+00	269	6.04E-06
180.	30	2.95E-05	90	2.86E-05	210	0.00E+00	270	0.00E+00
186.	31	0.00E+00	91	1.27E-04	211	0.00E+00	271	4.47E-06
192.	32	0.00E+00	92	3.17E-05	212	6.25E-05	272	8.77E-06
198.	33	0.00E+00	93	2.40E-04	213	0.00E+00	273	1.76E-05
204.	34	0.00E+00	94	5.76E-05	214	3.85E-05	274	1.18E-05
210.	35	0.00E+00	95	3.83E-05	215	0.00E+00	275	0.00E+00
216.	36	3.13E-05	96	9.36E-05	216	2.00E-05	276	3.50E-06
222.	37	0.00E+00	97	4.54E-05	217	5.67E-05	277	3.26E-06
228.	38	0.00E+00	98	0.00E+00	218	3.74E-05	278	5.50E-06
234.	39	0.00E+00	99	0.00E+00	219	7.18E-06	279	0.00E+00
240.	40	0.00E+00	100	1.85E-05	220	0.00E+00	280	0.00E+00
246.	41	0.00E+00	101	0.00E+00	221	5.00E-05	281	1.09E-05
252.	42	0.00E+00	102	6.41E-06	222	2.36E-05	282	3.26E-05
258.	43	0.00E+00	103	0.00E+00	223	3.73E-06	283	5.07E-05
264.	44	0.00E+00	104	0.00E+00	224	9.17E-06	284	6.00E-05
270.	45	0.00E+00	105	0.00E+00	225	7.63E-06	285	4.09E-05
282.	47	0.00E+00	107	1.63E-05	227	7.07E-06	287	0.00E+00
288.	48	0.00E+00	108	3.49E-05	228	1.23E-05	288	0.00E+00
294.	49	0.00E+00	109	0.00E+00	229	6.72E-06	289	0.00E+00
306.	51	5.05E-05	111	0.00E+00	231	2.65E-06	291	0.00E+00
342.	57	2.05E-05	117	0.00E+00	237	0.00E+00	297	0.00E+00

BEARING	1200. M		1600. M	
	GLN	CONC	GLN	CONC
123.	341	3.41E-06	461	0.00E+00
126.	342	3.07E-06	462	1.48E-05
129.	343	5.43E-06	463	1.13E-05
132.	344	3.46E-06	464	9.76E-06
135.	345	0.00E+00	465	2.48E-05
138.	346	8.30E-07	466	1.27E-05
141.	347	0.00E+00	467	3.51E-06
144.	348	0.00E+00	468	7.92E-06

EOCR TEST 22 NRC STAB E 7/16/76 0742-0842 MST

GAS S AVERAGE WINDS: SPEED 2.4 M/S ;DIRECTION 34. DEGREES
SOURCE STRENGTH 0.1479 GM/S RELEASED GROUND

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	1200. M		1600. M	
	GLN	CONC	GLN	CONC
201.	367	4.01E-06	487	1.66E-06
204.	368	4.71E-06	488	2.08E-06
207.	369	1.86E-06	489	1.84E-06
210.	370	2.89E-06	490	1.09E-06
213.	371	3.00E-06	491	0.00E+00
216.	372	4.78E-06	492	0.00E+00
219.	373	7.10E-06	493	6.78E-06
222.	374	4.90E-06	494	3.71E-06
225.	375	2.72E-06	495	0.00E+00
228.	376	1.10E-06	496	5.56E-07

TOWER SAMPLES

HEIGHT	TOWER 1		TOWER 2		TOWER 3		TOWER 4	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
0.5	610	4.46E-04	620	3.23E-04	630	0.00E+00	640	0.00E+00
7.5	611	0.00E+00	621	0.00E+00	631	7.36E-05	641	1.94E-06
15.0	612	0.00E+00	622	2.28E-04	632	9.02E-05	642	1.35E-05
23.0	613	5.17E-04	623	1.18E-06	633	1.70E-04	643	1.82E-04
30.5	614	1.20E-04	624	2.10E-04	634	3.38E-05	644	0.00E+00

HEIGHT	TOWER 5		TOWER 6	
	GLN	CONC	GLN	CONC
0.5	650	4.37E-06	660	4.20E-05
15.0	652	1.03E-04	662	0.00E+00
30.5	654	7.45E-05	664	0.00E+00

MISCELLANEOUS SAMPLES

GROUP 1	
GLN	CONC
701	2.29E-04
702	8.28E-04
703	6.12E-04
704	6.56E-04

EOCR TEST 22 NRC STAB E 7/16/76 0742-0842 MST

GAS F AVERAGE WINDS: SPEED 4.7 M/S ;DIRECTION 19. DEGREES
SOURCE STRENGTH 1.2288 GM/S RELEASED STACK

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	1200. M		1600. M	
	GLN	CONC	GLN	CONC
147.	349	2.59E-06	469	0.00E+00
153.	351	0.00E+00	471	4.27E-06
156.	352	5.64E-06	472	0.00E+00
159.	353	6.71E-07	473	1.54E-05
162.	354	3.85E-06	474	0.00E+00
165.	355	1.77E-04	475	9.22E-06
168.	356	5.57E-06	476	0.00E+00
174.	358	5.73E-05	478	2.53E-06
180.	360	5.65E-05	480	0.00E+00
183.	361	4.08E-06	481	4.76E-05
186.	362	0.00E+00	482	2.25E-05
192.	364	6.08E-06	484	2.60E-05
195.	365	0.00E+00	485	6.20E-06
198.	366	0.00E+00	486	2.03E-06
204.	368	0.00E+00	488	3.33E-06
207.	369	8.33E-06	489	4.07E-06
210.	370	0.00E+00	490	5.74E-06
219.	373	1.13E-05	493	1.70E-05
222.	374	1.10E-05	494	1.24E-05
225.	375	9.39E-06	495	4.70E-06
228.	376	0.00E+00	496	6.66E-06
231.	377	1.45E-05	497	0.00E+00
237.	379	2.98E-05	499	0.00E+00

TOWER SAMPLES

HEIGHT	TOWER 1		TOWER 2		TOWER 3		TOWER 4	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
0.5	610	2.86E-05	620	2.40E-04	630	0.00E+00	640	0.00E+00
7.5	611	0.00E+00	621	7.13E-05	631	0.00E+00	641	3.20E-05
15.0	612	0.00E+00	622	2.94E-04	632	0.00E+00	642	2.93E-05
23.0	613	7.22E-05	623	7.27E-05	633	7.98E-06	643	9.03E-05
30.5	614	5.03E-05	624	3.26E-04	634	0.00E+00	644	2.80E-05

HEIGHT	TOWER 5		TOWER 6	
	GLN	CONC	GLN	CONC
23.0	653	0.00E+00	663	1.86E-05
30.5	654	3.16E-05	664	0.00E+00

EOCR TEST 23 NRC STAB E 7/21/76 0749-0846 MST

GAS F AVERAGE WINDS: SPEED 3.3 M/S ;DIRECTION 15. DEGREES
SOURCE STRENGTH 1.8364 GM/S RELEASED STACK

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
132.	22	0.00E+00	82	0.00E+00	202	7.51E-05	262	2.10E-06
138.	23	0.00E+00	83	0.00E+00	203	9.75E-07	263	0.00E+00
144.	24	9.14E-06	84	5.57E-06	204	9.11E-06	264	2.17E-05
150.	25	0.00E+00	85	1.73E-05	205	1.93E-05	265	6.43E-06
156.	26	0.00E+00	86	1.37E-05	206	0.00E+00	266	0.00E+00
162.	27	1.65E-04	87	6.23E-05	207	7.98E-06	267	0.00E+00
168.	28	0.00E+00	88	9.23E-05	208	0.00E+00	268	9.73E-06
174.	29	0.00E+00	89	6.25E-05	209	0.00E+00	269	0.00E+00
180.	30	2.36E-04	90	1.43E-04	210	8.79E-06	270	2.21E-05
186.	31	0.00E+00	91	1.45E-04	211	7.80E-06	271	0.00E+00
192.	32	0.00E+00	92	2.62E-04	212	0.00E+00	272	0.00E+00
198.	33	1.12E-04	93	1.90E-04	213	7.49E-06	273	1.95E-05
204.	34	0.00E+00	94	1.31E-04	214	1.97E-05	274	0.00E+00
210.	35	0.00E+00	95	1.33E-04	215	0.00E+00	275	0.00E+00
216.	36	1.17E-05	96	6.19E-05	216	2.38E-06	276	0.00E+00
222.	37	0.00E+00	97	1.64E-05	217	1.24E-06	277	1.81E-06
228.	38	0.00E+00	98	5.18E-06	218	0.00E+00	278	0.00E+00
234.	39	0.00E+00	99	2.05E-06	219	0.00E+00	279	0.00E+00
240.	40	0.00E+00	100	0.00E+00	220	0.00E+00	280	1.93E-05
258.	43	0.00E+00	103	1.43E-06	223	0.00E+00	283	0.00E+00
270.	45	0.00E+00	105	0.51E-07	225	0.00E+00	285	0.00E+00
282.	47	0.00E+00	107	1.70E-05	227	0.00E+00	287	0.00E+00
300.	50	0.00E+00	110	1.44E-05	230	0.00E+00	290	0.00E+00
324.	54	1.41E-06	114	0.00E+00	234	0.00E+00	294	0.00E+00

BEARING	1200. M		1600. M	
	GLN	CONC	GLN	CONC
126.	342	0.00E+00	462	7.38E-07
129.	343	1.87E-06	463	0.00E+00
132.	344	2.98E-06	464	0.00E+00
135.	345	2.73E-06	465	0.00E+00
138.	346	2.19E-06	466	2.14E-06
141.	347	0.00E+00	467	1.36E-06
144.	348	1.49E-06	468	0.00E+00
147.	349	5.08E-06	469	5.77E-07
150.	350	1.32E-06	470	3.09E-06
153.	351	9.95E-06	471	0.00E+00
156.	352	1.15E-05	472	7.89E-07
159.	353	1.35E-06	473	0.78E-07
162.	354	7.13E-07	474	1.41E-06
165.	355	1.35E-06	475	0.00E+00
168.	356	2.93E-06	476	0.00E+00
174.	358	2.35E-06	478	0.00E+00
177.	359	4.47E-05	479	1.48E-06

EOCR TEST 22 NRC STAB E 7/16/76 0742-0842 MST

GAS B AVERAGE WINDS: SPEED 4.6 M/S ;DIRECTION 19. DEGREES
SOURCE STRENGTH 0.6286 GM/S RELEASED ROOF

TOWER SAMPLES

HEIGHT	TOWER 1		TOWER 2		TOWER 3		TOWER 4	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
0.5	610	6.22E-05	620	2.36E-04	630	0.00E+00	640	0.00E+00
7.5	611	0.00E+00	621	0.00E+00	631	1.41E-05	641	2.19E-07
15.0	612	0.00E+00	622	2.66E-04	632	5.34E-06	642	1.21E-05
23.0	613	6.69E-05	623	1.01E-06	633	5.70E-06	643	8.93E-05
30.5	614	2.34E-05	624	2.68E-04	634	5.28E-06	644	0.00E+00

HEIGHT	TOWER 5		TOWER 6	
	GLN	CONC	GLN	CONC
0.5	650	0.00E+00	660	2.55E-05
7.5	651	4.41E-07	661	0.00E+00
15.0	652	2.16E-06	662	0.00E+00

MISCELLANEOUS SAMPLES

GROUP 1	
GLN	CONC
702	3.78E-06
703	9.12E-05

EOCR TEST 22 NRC STAB E 7/16/76 0742-0842 MST

GAS F AVERAGE WINDS: SPEED 4.7 M/S ;DIRECTION 19. DEGREES
SOURCE STRENGTH 1.2288 GM/S RELEASED STACK

MISCELLANEOUS SAMPLES

GROUP 1	
GLN	CONC
701	2.93E-05
703	3.52E-05
704	4.16E-05

GAS B AVERAGE WINDS: SPEED 4.6 M/S ;DIRECTION 19. DEGREES
SOURCE STRENGTH 0.6286 GM/S RELEASED ROOF

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
36.	6	1.33E-06	66	0.00E+00	186	0.00E+00	246	0.00E+00
84.	14	0.00E+00	74	7.58E-08	194	0.00E+00	254	0.00E+00
90.	15	0.00E+00	75	3.73E-07	195	0.00E+00	255	0.00E+00
96.	16	0.00E+00	76	2.87E-07	196	0.00E+00	256	0.00E+00
114.	19	0.00E+00	79	2.00E-07	199	0.00E+00	259	0.00E+00
126.	21	0.00E+00	81	3.55E-06	201	0.00E+00	261	0.00E+00
144.	24	6.32E-06	84	0.00E+00	204	0.00E+00	264	0.00E+00
156.	26	0.00E+00	86	1.16E-06	206	0.00E+00	266	0.00E+00
162.	27	5.10E-05	87	2.60E-06	207	0.00E+00	267	0.00E+00
174.	29	0.00E+00	89	2.44E-05	209	0.00E+00	269	0.00E+00
180.	30	2.22E-04	90	6.22E-05	210	0.00E+00	270	0.00E+00
186.	31	0.00E+00	91	9.76E-05	211	0.00E+00	271	0.00E+00
198.	33	3.23E-04	93	2.36E-04	213	2.55E-05	273	0.00E+00
204.	34	0.00E+00	94	3.04E-06	214	2.04E-05	274	3.73E-07
210.	35	0.00E+00	95	0.00E+00	215	0.00E+00	275	2.04E-06
216.	36	1.20E-04	96	1.16E-04	216	1.57E-05	276	0.00E+00
222.	37	0.00E+00	97	6.22E-05	217	1.77E-06	277	0.00E+00
228.	38	0.00E+00	98	1.50E-05	218	0.00E+00	278	0.00E+00
234.	39	1.64E-05	99	7.00E-06	219	0.00E+00	279	0.00E+00
240.	40	0.00E+00	100	3.83E-06	220	0.00E+00	280	0.00E+00
288.	48	4.71E-07	108	0.00E+00	228	0.00E+00	288	0.00E+00

BEARING	1200. M		1600. M	
	GLN	CONC	GLN	CONC
180.	360	1.37E-05	480	0.00E+00
201.	367	0.00E+00	487	1.63E-06
210.	370	4.47E-07	490	0.00E+00
219.	373	0.00E+00	493	1.73E-06
222.	374	1.15E-06	494	2.36E-06
228.	376	0.00E+00	496	3.50E-07
237.	379	0.00E+00	499	4.59E-07

EOCR TEST 23 NRC STAB E 7/21/76 0748-0846 MST

GAS S AVERAGE WINDS: SPEED 1.9 M/S ;DIRECTION 27. DEGREES
SOURCE STRENGTH 0.1573 GM/S RELEASED GROUND

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
18.	3	2.86E-04	63	0.00E+00	183	0.00E+00	243	0.00E+00
36.	6	2.24E-03	66	0.00E+00	186	0.00E+00	246	0.00E+00
54.	9	2.98E-03	69	0.00E+00	189	0.00E+00	249	0.00E+00
72.	12	4.30E-03	72	0.00E+00	192	0.00E+00	252	0.00E+00
90.	15	3.87E-03	75	0.00E+00	195	0.00E+00	255	0.00E+00
108.	18	1.90E-03	78	0.00E+00	198	0.00E+00	258	0.00E+00
126.	21	1.88E-03	81	0.00E+00	201	0.00E+00	261	0.00E+00
132.	22	0.00E+00	82	1.04E-05	202	0.00E+00	262	0.00E+00
138.	23	0.00E+00	83	1.45E-05	203	0.00E+00	263	0.00E+00
144.	24	1.98E-03	84	9.07E-05	204	1.90E-06	264	8.12E-07
150.	25	0.00E+00	85	3.18E-06	205	0.00E+00	265	0.00E+00
156.	26	0.00E+00	86	2.52E-04	206	0.00E+00	266	0.00E+00
162.	27	1.14E-03	87	2.15E-04	207	0.00E+00	267	0.00E+00
168.	28	0.00E+00	88	3.09E-04	208	1.43E-06	268	5.97E-07
174.	29	0.00E+00	89	1.96E-04	209	4.82E-06	269	0.00E+00
180.	30	8.99E-04	90	5.65E-04	210	6.87E-06	270	8.82E-07
186.	31	0.00E+00	91	2.16E-04	211	1.46E-05	271	2.67E-06
192.	32	0.00E+00	92	3.46E-04	212	1.04E-05	272	2.52E-06
198.	33	3.22E-04	93	2.03E-04	213	1.38E-05	273	3.98E-06
204.	34	0.00E+00	94	2.21E-04	214	1.59E-05	274	0.00E+00
210.	35	0.00E+00	95	2.01E-04	215	1.07E-05	275	2.00E-06
216.	36	2.62E-04	96	1.96E-04	216	7.84E-06	276	1.34E-06
222.	37	0.00E+00	97	0.35E-05	217	3.92E-06	277	2.16E-07
228.	38	0.00E+00	98	3.96E-05	218	1.05E-06	278	0.00E+00
234.	39	1.48E-04	99	2.07E-05	219	0.00E+00	279	1.03E-07
240.	40	0.00E+00	100	2.11E-05	220	0.00E+00	280	0.00E+00
246.	41	0.00E+00	101	1.22E-05	221	0.00E+00	281	0.00E+00
252.	42	7.60E-05	102	1.31E-06	222	0.00E+00	282	0.00E+00
258.	43	0.00E+00	103	1.44E-05	223	0.00E+00	283	0.00E+00
264.	44	0.00E+00	104	1.98E-06	224	0.00E+00	284	0.00E+00
270.	45	4.39E-05	105	2.35E-06	225	0.00E+00	285	0.00E+00
276.	46	0.00E+00	106	0.11E-06	226	0.00E+00	286	0.00E+00
282.	47	0.00E+00	107	1.77E-06	227	0.00E+00	287	0.00E+00
288.	48	4.63E-05	108	0.00E+00	228	0.00E+00	288	0.00E+00
300.	50	0.00E+00	110	1.32E-05	230	0.00E+00	290	0.00E+00
306.	51	2.57E-05	111	0.00E+00	231	0.00E+00	291	0.00E+00
324.	54	2.87E-05	114	0.00E+00	234	0.00E+00	294	0.00E+00
360.	60	1.33E-04	120	0.00E+00	240	0.00E+00	300	0.00E+00

EOCR TEST 23 NRC STAB E 7/21/76 0748-0846 MST

GAS F AVERAGE WINDS: SPEED 3.3 M/S ;DIRECTION 15. DEGREES
SOURCE STRENGTH 1.8364 GM/S RELEASED STACK

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	1200. M		1600. M	
	GLN	CONC	GLN	CONC
180.	360	1.36E-05	480	0.00E+00
183.	361	3.62E-07	481	0.00E+00
186.	362	2.43E-05	482	6.37E-06
189.	363	2.57E-06	483	9.63E-07
192.	364	3.34E-06	484	1.82E-06
195.	365	0.00E+00	485	4.04E-06
198.	366	4.47E-06	486	5.02E-06
201.	367	0.00E+00	487	2.42E-06
204.	368	1.74E-05	488	0.00E+00
207.	369	2.08E-05	489	2.04E-06
210.	370	8.00E-06	490	0.00E+00
213.	371	4.43E-06	491	0.00E+00
216.	372	2.74E-05	492	0.00E+00
219.	373	1.44E-05	493	0.00E+00
222.	374	1.40E-05	494	0.00E+00
228.	376	4.47E-06	496	2.01E-06
240.	380	2.08E-06	500	8.63E-07

TOWER SAMPLES

HEIGHT	TOWER 1		TOWER 2		TOWER 3		TOWER 4	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
0.5	610	1.43E-04	620	1.98E-04	630	0.00E+00	640	0.00E+00
7.5	611	1.88E-04	621	1.01E-05	631	3.73E-05	641	8.57E-05
15.0	612	1.55E-04	622	0.00E+00	632	3.96E-05	642	7.67E-05
23.0	613	1.05E-05	623	2.91E-04	633	2.74E-05	643	1.90E-05
30.5	614	1.61E-04	624	2.46E-04	634	2.30E-05	644	2.37E-05
HEIGHT	TOWER 5		TOWER 6					
	GLN	CONC	GLN	CONC				
0.5	650	8.79E-06	660	7.40E-06				
7.5	651	9.93E-06	661	9.20E-06				
15.0	652	1.21E-05	662	8.47E-06				
23.0	653	1.21E-05	663	1.56E-05				
30.5	654	0.00E+00	664	7.84E-06				

MISCELLANEOUS SAMPLES

GROUP 1	
GLN	CONC
704	4.55E-05

EOCR TEST 23 NRC STAB E 7/21/76 0748-0846 MST

GAS S AVERAGE WINDS: SPEED 1.9 M/S ;DIRECTION 27. DEGREES
SOURCE STRENGTH 0.1573 GM/S RELEASED GROUND

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	1200. M		1600. M	
	GLN	CONC	GLN	CONC
129.	343	0.00E+00	463	1.51E-06
135.	345	0.00E+00	465	5.46E-06
174.	358	1.52E-07	478	0.00E+00
186.	362	4.35E-07	482	0.00E+00
189.	363	1.53E-06	483	2.55E-07
192.	364	9.95E-07	484	2.28E-07
195.	365	2.22E-06	485	1.43E-06
198.	366	2.04E-06	486	1.95E-06
201.	367	2.21E-06	487	2.31E-06
204.	368	3.10E-06	488	9.64E-07
207.	369	2.52E-06	489	1.28E-06
210.	370	2.29E-06	490	1.61E-06
213.	371	1.17E-06	491	0.00E+00
216.	372	1.38E-06	492	0.00E+00
219.	373	3.29E-07	493	0.00E+00

TOWER SAMPLES

HEIGHT	TOWER 1		TOWER 2		TOWER 3		TOWER 4	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
0.5	610	3.65E-04	620	2.03E-04	630	0.00E+00	640	0.00E+00
7.5	611	2.66E-04	621	0.00E+00	631	6.28E-05	641	8.94E-05
15.0	612	1.84E-04	622	3.01E-06	632	5.84E-05	642	7.77E-05
23.0	613	0.00E+00	623	2.39E-04	633	6.05E-05	643	6.18E-07
30.5	614	9.40E-05	624	1.73E-04	634	2.02E-05	644	3.57E-05
HEIGHT	TOWER 5		TOWER 6					
	GLN	CONC	GLN	CONC				
0.5	650	6.87E-06	660	1.38E-05				
7.5	651	9.15E-06	661	9.97E-06				
15.0	652	1.29E-05	662	1.60E-05				
23.0	653	9.38E-06	663	1.68E-05				
30.5	654	0.00E+00	664	6.90E-06				

MISCELLANEOUS SAMPLES

GROUP 1	
GLN	CONC
701	9.77E-04
702	1.85E-03
703	1.22E-03
704	9.79E-04

EOCR TEST 23 NRC STAB E 7/21/76 0748-0846 MST

GAS B AVERAGE WINDS: SPEED 3.2 M/S ;DIRECTION 15. DEGREES
SOURCE STRENGTH 0.6356 GM/S RELEASED ROOF

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
144.	24	8.00E-05	84	1.56E-07	204	0.00E+00	264	0.00E+00
156.	26	0.00E+00	86	1.26E-05	206	0.00E+00	266	0.00E+00
162.	27	3.86E-04	87	1.59E-05	207	0.00E+00	267	0.00E+00
168.	28	0.00E+00	88	1.31E-04	208	0.00E+00	268	0.00E+00
174.	29	0.00E+00	89	1.42E-04	209	0.00E+00	269	0.00E+00
180.	30	5.10E-04	90	3.53E-04	210	0.00E+00	270	0.00E+00
186.	31	0.00E+00	91	2.06E-04	211	6.57E-06	271	0.00E+00
192.	32	0.00E+00	92	5.22E-04	212	1.40E-05	272	0.00E+00
198.	33	3.09E-04	93	2.96E-04	213	1.92E-05	273	0.00E+00
204.	34	0.00E+00	94	2.64E-04	214	0.00E+00	274	0.00E+00
210.	35	0.00E+00	95	2.52E-04	215	1.17E-05	275	0.00E+00
216.	36	1.64E-04	96	1.42E-04	216	4.62E-06	276	0.00E+00
222.	37	0.00E+00	97	1.52E-05	217	0.00E+00	277	0.00E+00
228.	38	0.00E+00	98	4.04E-06	218	0.00E+00	278	0.00E+00
234.	39	6.70E-06	99	0.00E+00	219	0.00E+00	279	0.00E+00
BEARING	1200. M		1600. M					
	GLN	CONC	GLN	CONC				

TOWER SAMPLES

HEIGHT	TOWER 1		TOWER 2		TOWER 3		TOWER 4	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
0.5	610	3.53E-04	620	2.96E-04	630	0.00E+00	640	0.00E+00
7.5	611	3.47E-04	621	0.00E+00	631	6.79E-05	641	1.51E-04
15.0	612	2.89E-04	622	0.00E+00	632	5.31E-05	642	5.41E-05
23.0	613	0.00E+00	623	1.98E-04	633	4.69E-05	643	0.00E+00
30.5	614	2.05E-04	624	4.34E-04	634	6.00E-06	644	6.22E-06
HEIGHT	TOWER 5		TOWER 6					
	GLN	CONC	GLN	CONC				
0.5	650	0.00E+00	660	1.92E-05				
7.5	651	3.97E-06	661	1.45E-05				
15.0	652	3.01E-06	662	1.96E-05				
23.0	653	2.28E-06	663	2.75E-05				
30.5	654	8.88E-05	664	9.56E-06				

MISCELLANEOUS SAMPLES

GROUP 1	
GLN	CONC
703	7.61E-05
704	1.52E-04

EOCR TEST 24 NRC STAB F 7/22/76 0814-0914 MST

GAS S AVERAGE WINDS: SPEED 1.8 M/S ;DIRECTION 29. DEGREES
SOURCE STRENGTH 0.1543 GM/S RELEASED GROUND

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
18.	3	6.21E-04	63	0.00E+00	183	0.00E+00	243	0.00E+00
36.	6	2.90E-03	66	0.00E+00	186	0.00E+00	246	0.00E+00
54.	9	3.63E-03	69	0.00E+00	189	0.00E+00	249	0.00E+00
72.	12	3.25E-03	72	0.00E+00	192	0.00E+00	252	0.00E+00
108.	18	1.64E-03	78	0.00E+00	198	0.00E+00	258	0.00E+00
126.	21	1.12E-03	81	0.00E+00	201	0.00E+00	261	0.00E+00
132.	22	0.00E+00	82	3.01E-05	202	0.00E+00	262	0.00E+00
138.	23	0.00E+00	83	2.74E-05	203	1.74E-07	263	0.00E+00
144.	24	1.02E-03	84	0.00E+00	204	0.00E+00	264	0.00E+00
150.	25	0.00E+00	85	1.05E-04	205	0.00E+00	265	0.00E+00
156.	26	0.00E+00	86	0.50E-05	206	0.00E+00	266	0.00E+00
162.	27	1.10E-03	87	1.21E-04	207	0.00E+00	267	0.00E+00
168.	28	0.00E+00	88	1.33E-04	208	9.74E-07	268	0.00E+00
174.	29	0.00E+00	89	1.71E-04	209	1.36E-06	269	4.63E-07
180.	30	7.80E-04	90	2.05E-04	210	2.16E-06	270	0.00E+00
186.	31	0.00E+00	91	2.07E-04	211	2.95E-06	271	0.00E+00
192.	32	0.00E+00	92	2.49E-04	212	7.40E-06	272	1.96E-06
198.	33	5.05E-04	93	2.59E-04	213	9.32E-06	273	1.32E-06
204.	34	0.00E+00	94	1.84E-04	214	1.06E-05	274	1.89E-06
210.	35	0.00E+00	95	1.86E-04	215	0.00E+00	275	1.48E-06
216.	36	5.59E-04	96	2.69E-04	216	1.72E-05	276	1.91E-06
222.	37	0.00E+00	97	2.20E-04	217	1.59E-05	277	2.87E-06
228.	38	0.00E+00	98	1.88E-04	218	1.55E-05	278	1.38E-06
234.	39	4.75E-04	99	1.69E-04	219	7.05E-06	279	4.94E-07
240.	40	0.00E+00	100	1.02E-04	220	0.00E+00	280	0.00E+00
246.	41	0.00E+00	101	9.02E-05	221	0.00E+00	281	0.00E+00
252.	42	2.73E-04	102	5.21E-05	222	0.00E+00	282	0.00E+00
258.	43	0.00E+00	103	3.93E-05	223	0.00E+00	283	0.00E+00
264.	44	0.00E+00	104	1.96E-05	224	0.00E+00	284	0.00E+00
270.	45	1.37E-04	105	4.76E-06	225	0.00E+00	285	0.00E+00
276.	46	0.00E+00	106	2.33E-06	226	0.00E+00	286	0.00E+00
282.	47	0.00E+00	107	6.62E-07	227	0.00E+00	287	0.00E+00
288.	48	8.74E-05	108	1.73E-06	228	0.00E+00	288	0.00E+00
294.	49	0.00E+00	109	5.24E-07	229	0.00E+00	289	0.00E+00
306.	51	7.91E-05	111	0.00E+00	231	0.00E+00	291	0.00E+00
324.	54	1.45E-05	114	0.00E+00	234	0.00E+00	294	0.00E+00
342.	57	7.77E-05	117	0.00E+00	237	0.00E+00	297	0.00E+00
360.	60	4.59E-04	120	0.00E+00	240	0.00E+00	300	0.00E+00

EOCR TEST 24 NRC STAB F 7/22/76 0814-0914 MST

GAS F AVERAGE WINDS: SPEED 3.2 M/S ;DIRECTION 18. DEGREES
SOURCE STRENGTH 1.8242 GM/S RELEASED STACK

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
150.	25	0.00E+00	85	0.00E+00	205	0.00E+00	265	3.09E-06
156.	26	0.00E+00	86	2.29E-06	206	0.00E+00	266	2.09E-06
162.	27	0.00E+00	87	1.77E-05	207	0.00E+00	267	2.67E-06
168.	28	0.00E+00	88	3.17E-05	208	0.00E+00	268	0.00E+00
174.	29	0.00E+00	89	8.14E-05	209	2.08E-06	269	1.59E-06
180.	30	1.32E-04	90	1.08E-04	210	5.14E-06	270	2.89E-06
186.	31	0.00E+00	91	1.34E-04	211	0.00E+00	271	0.00E+00
192.	32	0.00E+00	92	1.12E-04	212	7.68E-06	272	0.00E+00
198.	33	2.29E-05	93	1.31E-04	213	3.40E-06	273	0.00E+00
204.	34	0.00E+00	94	1.08E-04	214	5.49E-06	274	3.17E-06
210.	35	0.00E+00	95	0.13E-05	215	0.00E+00	275	0.00E+00
216.	36	0.00E+00	96	7.39E-05	216	1.48E-05	276	0.00E+00
222.	37	0.00E+00	97	2.68E-05	217	7.55E-06	277	0.00E+00
228.	38	0.00E+00	98	0.00E+00	218	3.18E-06	278	0.00E+00
234.	39	0.00E+00	99	0.00E+00	219	2.91E-06	279	1.78E-06
240.	40	0.00E+00	100	0.00E+00	220	0.00E+00	280	9.83E-06
246.	41	0.00E+00	101	0.00E+00	221	0.00E+00	281	7.18E-06
288.	49	0.00E+00	109	7.83E-07	228	0.00E+00	288	0.00E+00
300.	50	0.00E+00	110	1.02E-06	230	0.00E+00	290	0.00E+00
324.	54	3.02E-05	114	0.00E+00	234	0.00E+00	294	0.00E+00
342.	57	3.63E-07	117	0.00E+00	237	0.00E+00	297	0.00E+00

BEARING	1200. M		1600. M	
	GLN	CONC	GLN	CONC
123.	341	2.44E-06	461	0.00E+00
129.	343	2.22E-06	463	1.04E-06
135.	345	8.98E-07	465	1.07E-06
138.	346	1.29E-06	466	2.53E-06
141.	347	1.30E-06	467	1.50E-06
144.	348	0.00E+00	468	1.17E-06
147.	349	4.47E-06	469	0.00E+00
150.	350	1.95E-06	470	1.08E-06
156.	352	0.00E+00	472	1.54E-06
159.	353	3.97E-06	473	0.00E+00
162.	354	1.45E-06	474	1.76E-06
168.	356	1.06E-06	476	3.00E-06
174.	358	3.51E-06	478	1.48E-06
177.	359	1.72E-06	479	5.30E-06
180.	360	0.00E+00	480	1.27E-05
183.	361	0.00E+00	481	5.27E-06
186.	362	3.29E-06	482	3.81E-06
189.	363	3.67E-06	483	0.00E+00
192.	364	2.31E-06	484	0.00E+00
195.	365	2.09E-06	485	0.00E+00

EOCR TEST 24 NRC STAB F 7/22/76 0814-0914 MST

GAS S AVERAGE WINDS: SPEED 1.8 M/S ;DIRECTION 29. DEGREES
SOURCE STRENGTH 0.1543 GM/S RELEASED GROUND

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	1200. M		1600. M	
	GLN	CONC	GLN	CONC
147.	349	2.59E-07	469	0.00E+00
174.	358	0.00E+00	478	6.87E-07
180.	360	0.00E+00	480	2.03E-06
186.	362	2.51E-07	482	1.29E-06
189.	363	0.00E+00	483	5.39E-07
192.	364	9.54E-07	484	0.00E+00
198.	366	5.28E-07	486	1.16E-06
201.	367	1.04E-06	487	0.78E-07
204.	368	5.63E-07	488	0.00E+00
207.	369	1.23E-06	489	0.00E+00
210.	370	9.28E-07	490	2.67E-06
213.	371	2.45E-06	491	1.07E-06
216.	372	1.60E-06	492	4.11E-07
219.	373	0.00E+00	493	3.33E-07
225.	375	6.40E-07	495	0.00E+00
228.	376	5.25E-07	496	0.00E+00
240.	380	1.97E-07	500	0.00E+00

TOWER SAMPLES

HEIGHT	TOWER 1		TOWER 2		TOWER 3		TOWER 4	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
0.5	610	2.05E-04	620	2.59E-04	630	0.00E+00	640	0.00E+00
7.5	611	1.70E-04	621	4.74E-05	631	4.65E-05	641	2.04E-06
15.0	612	1.17E-04	622	1.02E-04	632	5.36E-05	642	3.42E-06
23.0	613	5.53E-05	623	7.33E-05	633	4.96E-05	643	5.46E-05
30.5	614	6.32E-05	624	1.06E-04	634	5.51E-05	644	1.30E-05

HEIGHT	TOWER 5		TOWER 6	
	GLN	CONC	GLN	CONC
0.5	650	2.16E-06	660	9.32E-06
7.5	651	5.31E-06	661	1.04E-05
15.0	652	3.70E-06	662	4.75E-06
23.0	653	1.14E-06	663	1.06E-05
30.5	654	0.00E+00	664	1.20E-05

MISCELLANEOUS SAMPLES

GROUP 1	
GLN	CONC
701	1.22E-03
702	1.40E-03
703	1.12E-03
704	1.17E-03

EOCR TEST 24 NRC STAB F 7/22/76 0814-0914 MST

GAS F AVERAGE WINDS: SPEED 3.2 M/S ;DIRECTION 18. DEGREES
SOURCE STRENGTH 1.8242 GM/S RELEASED STACK

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	1200. M		1600. M	
	GLN	CONC	GLN	CONC
198.	366	2.31E-06	486	6.77E-06
201.	367	2.56E-06	487	1.42E-06
204.	368	0.00E+00	488	2.20E-05
210.	370	9.19E-07	490	8.16E-06
213.	371	4.42E-06	491	4.14E-06
216.	372	3.86E-06	492	6.43E-06
219.	373	0.00E+00	493	2.84E-06
222.	374	0.00E+00	494	1.71E-05
225.	375	4.52E-06	495	9.64E-06
228.	376	8.96E-06	496	6.27E-06
231.	377	2.66E-06	497	5.48E-06
234.	378	4.31E-06	498	9.13E-06
237.	379	3.53E-06	499	2.65E-06
240.	380	2.40E-06	500	1.05E-06

TOWER SAMPLES

HEIGHT	TOWER 1		TOWER 2		TOWER 3		TOWER 4	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
0.5	610	1.08E-04	620	1.31E-04	630	0.00E+00	640	0.00E+00
7.5	611	9.50E-05	621	1.61E-05	631	1.85E-05	641	1.27E-05
15.0	612	2.14E-05	622	7.76E-05	632	2.45E-05	642	1.22E-05
23.0	613	2.43E-05	623	4.80E-05	633	1.57E-05	643	4.88E-05
30.5	614	1.03E-04	624	2.76E-04	634	1.64E-05	644	1.57E-05

HEIGHT	TOWER 5		TOWER 6	
	GLN	CONC	GLN	CONC
0.5	650	5.14E-06	660	3.40E-06
7.5	651	4.83E-06	661	4.36E-06
15.0	652	0.00E+00	662	9.84E-06
23.0	653	0.00E+00	663	6.10E-06
30.5	654	0.00E+00	664	7.99E-06

MISCELLANEOUS SAMPLES

GROUP 1	
GLN	CONC

EDCR TEST 24 NRC STAB F 7/22/76 0814-0914 MST

GAS D AVERAGE WINDS: SPEED 3.1 M/S ;DIRECTION 10. DEGREES
SOURCE STRENGTH 0.6095 GM/S RELEASED ROOF

DOWNWIND DISTANCE(ARC) SAMPLES

BEARING	50. M		100. M		400. M		800. M	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
144.	24	1.90E-05	84	0.00E+00	204	0.00E+00	264	0.00E+00
162.	27	1.86E-04	87	1.56E-05	207	0.00E+00	267	0.00E+00
168.	28	0.00E+00	88	3.32E-05	208	0.00E+00	268	0.00E+00
174.	29	0.00E+00	89	8.11E-05	209	0.00E+00	269	0.00E+00
180.	30	2.74E-04	90	7.94E-05	210	0.00E+00	270	0.00E+00
186.	31	0.00E+00	91	1.09E-04	211	0.00E+00	271	0.00E+00
192.	32	0.00E+00	92	1.25E-04	212	1.59E-06	272	0.00E+00
198.	33	1.75E-04	93	1.22E-04	213	3.68E-06	273	0.00E+00
204.	34	0.00E+00	94	9.15E-05	214	5.67E-07	274	0.00E+00
210.	35	0.00E+00	95	0.06E-05	215	0.00E+00	275	0.00E+00
216.	36	5.65E-05	96	0.21E-05	216	6.68E-06	276	0.00E+00
222.	37	0.00E+00	97	4.10E-05	217	5.57E-06	277	0.00E+00
228.	38	0.00E+00	98	1.11E-05	218	1.64E-05	278	0.00E+00
234.	39	3.00E-06	99	0.00E+00	219	0.00E+00	279	0.00E+00

BEARING	1200. M		1600. M	
	GLN	CONC	GLN	CONC

TOWER SAMPLES

HEIGHT	TOWER 1		TOWER 2		TOWER 3		TOWER 4	
	GLN	CONC	GLN	CONC	GLN	CONC	GLN	CONC
0.5	610	7.94E-05	620	1.22E-04	630	0.00E+00	640	0.00E+00
7.5	611	6.94E-05	621	0.00E+00	631	0.00E+00	641	0.00E+00
15.0	612	1.65E-05	622	6.46E-05	632	3.60E-06	642	0.00E+00
23.0	613	4.44E-06	623	1.39E-05	633	0.00E+00	643	3.55E-05
30.5	614	5.03E-05	624	2.10E-04	634	0.00E+00	644	0.00E+00

HEIGHT	TOWER 5		TOWER 6	
	GLN	CONC	GLN	CONC
0.5	650	0.00E+00	660	3.68E-06
7.5	651	0.00E+00	661	5.69E-06
15.0	652	0.00E+00	662	3.69E-07
23.0	653	3.33E-06	663	5.68E-06
30.5	654	1.86E-05	664	4.73E-06

MISCELLANEOUS SAMPLES

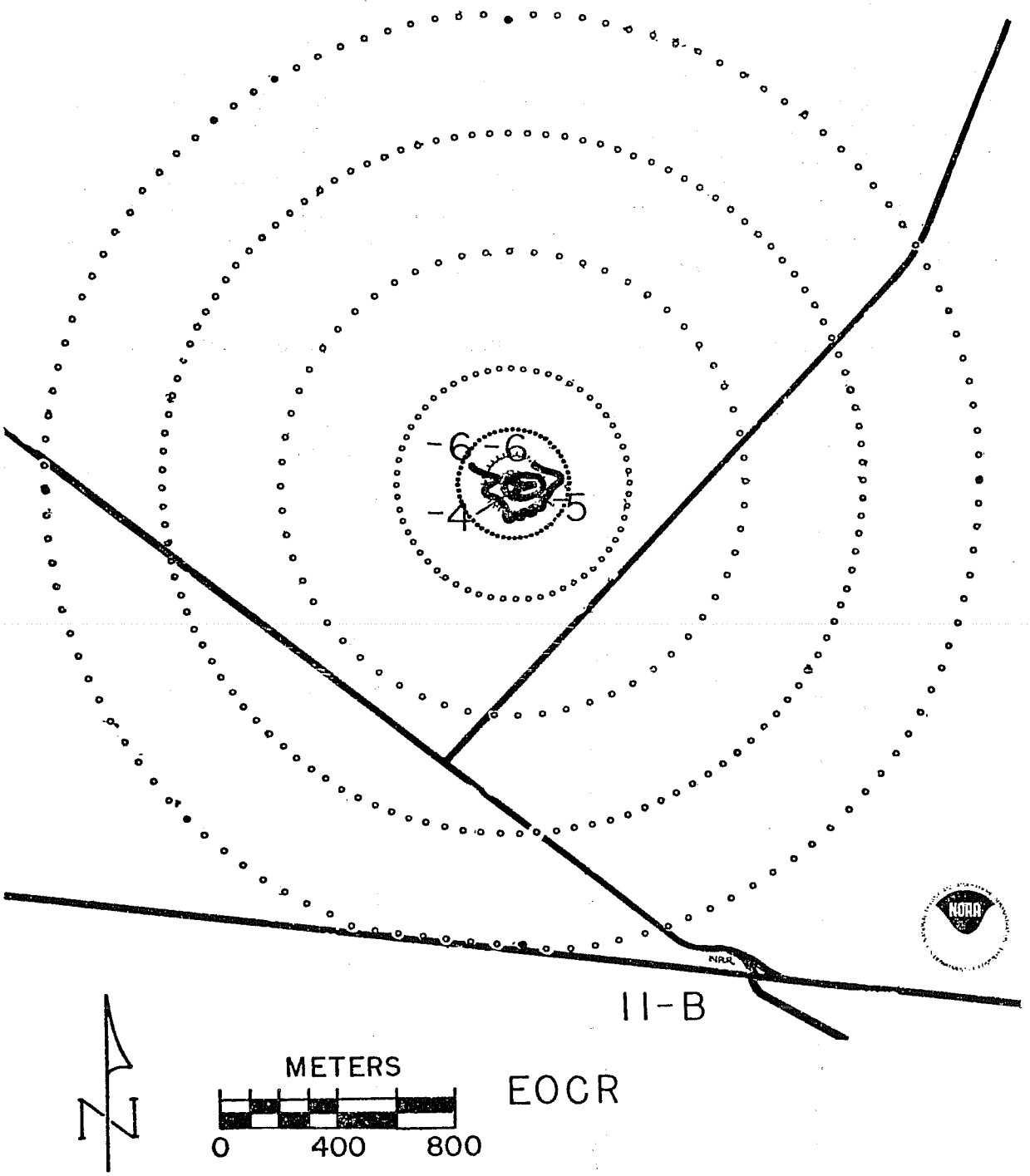
GROUP 1	
GLN	CONC
703	3.49E-05
704	1.20E-04

APPENDIX E: Ground Release Concentration Isopleths for Each Test.

Units are m^{-2}. Appendix D lists the individual values of concentration that form the basis for these isopleths. Figure 5 of the text depicts the site topography, which was considered during the isopleth analyses. Appendix A lists the temperature measurements that formed the basis for designating a stability category. Each sampler position in the 400 m, 800 m, 1200 m, and 1600 m arcs is shown. Isopleth analyses are ordered in the sequence shown in table E-1. Stability class A figures are given first and plots are ranked by windspeed; the lowest windspeed is first.

Table E-1. Stability and Windspeed Ordering of Isopleth Analyses.

Stability	Test Number	Windspeed 30 m (m/sec)
A	11	1.5
A	13	2.1
A	10	3.8
A	5	9.0
D	6	2.8
D	16	3.7
D	15	4.9
E	23	3.3
E	14	3.4
E	12	3.5
E	4	4.4
E	22	4.7
F	3	1.3
F	8	1.8
F	24	3.2
F	18	6.9
G	7	0.7
G	17	2.5
G	21	4.0
G	9	4.1
G	19	4.5
G	20	5.6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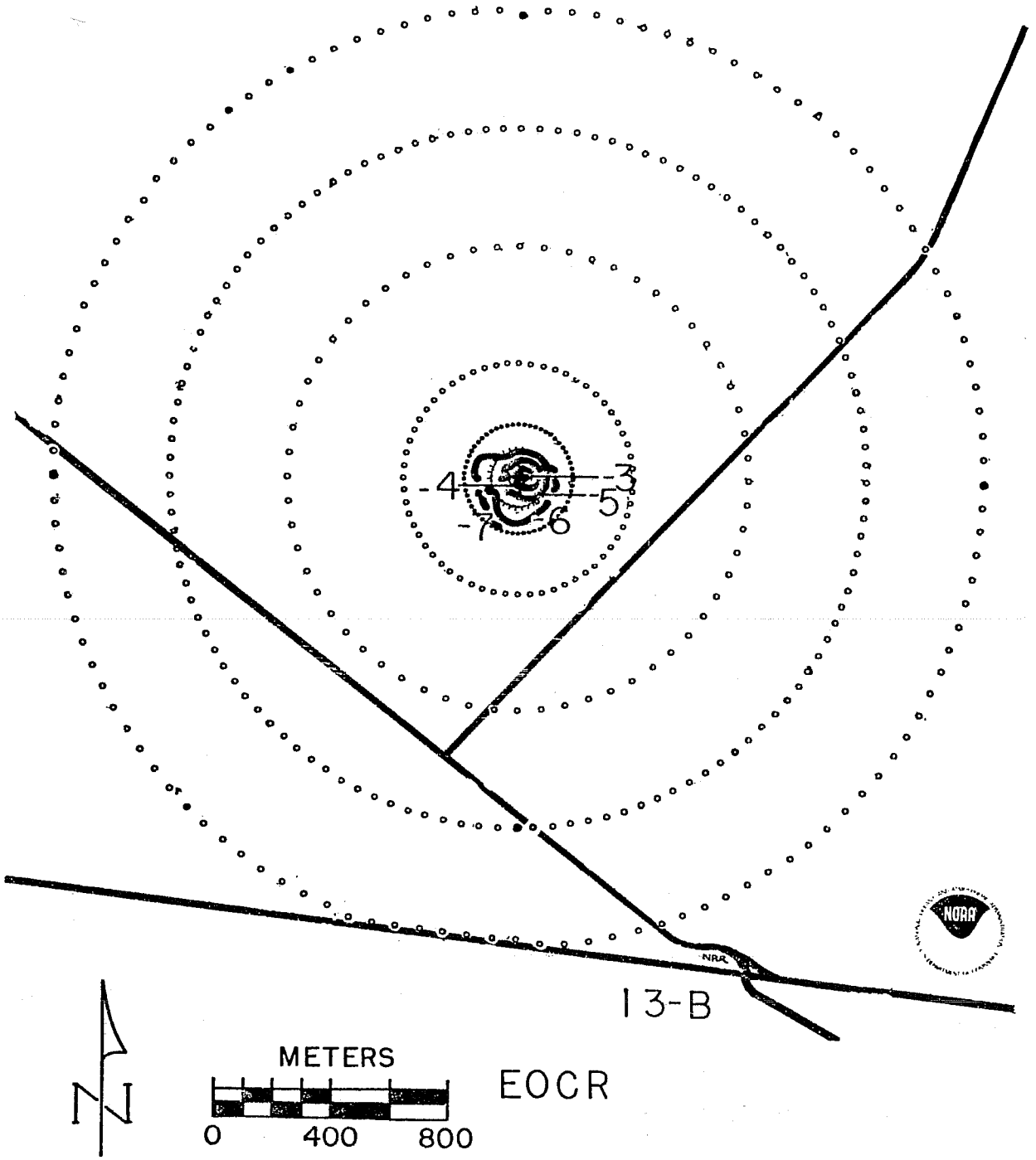
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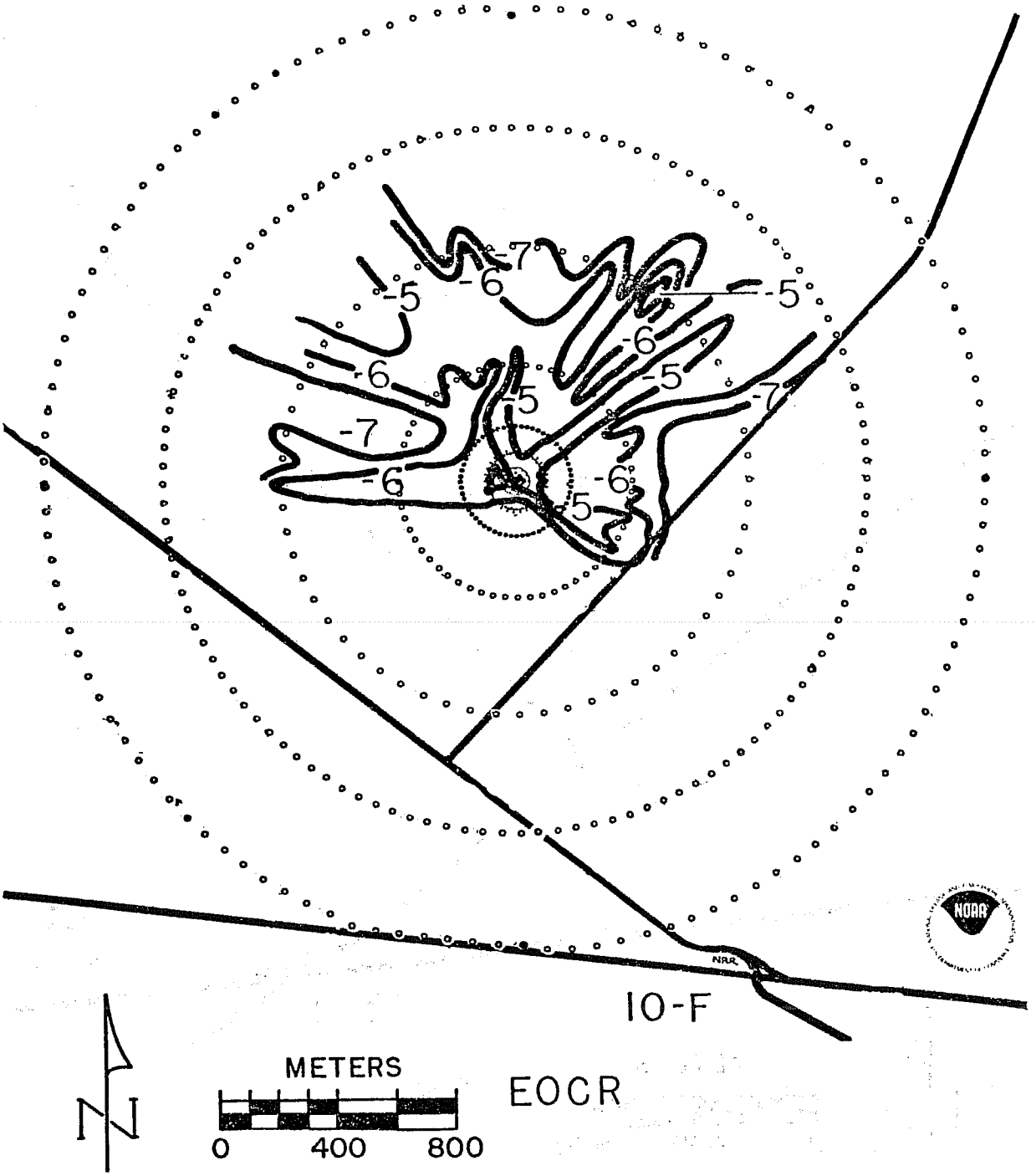
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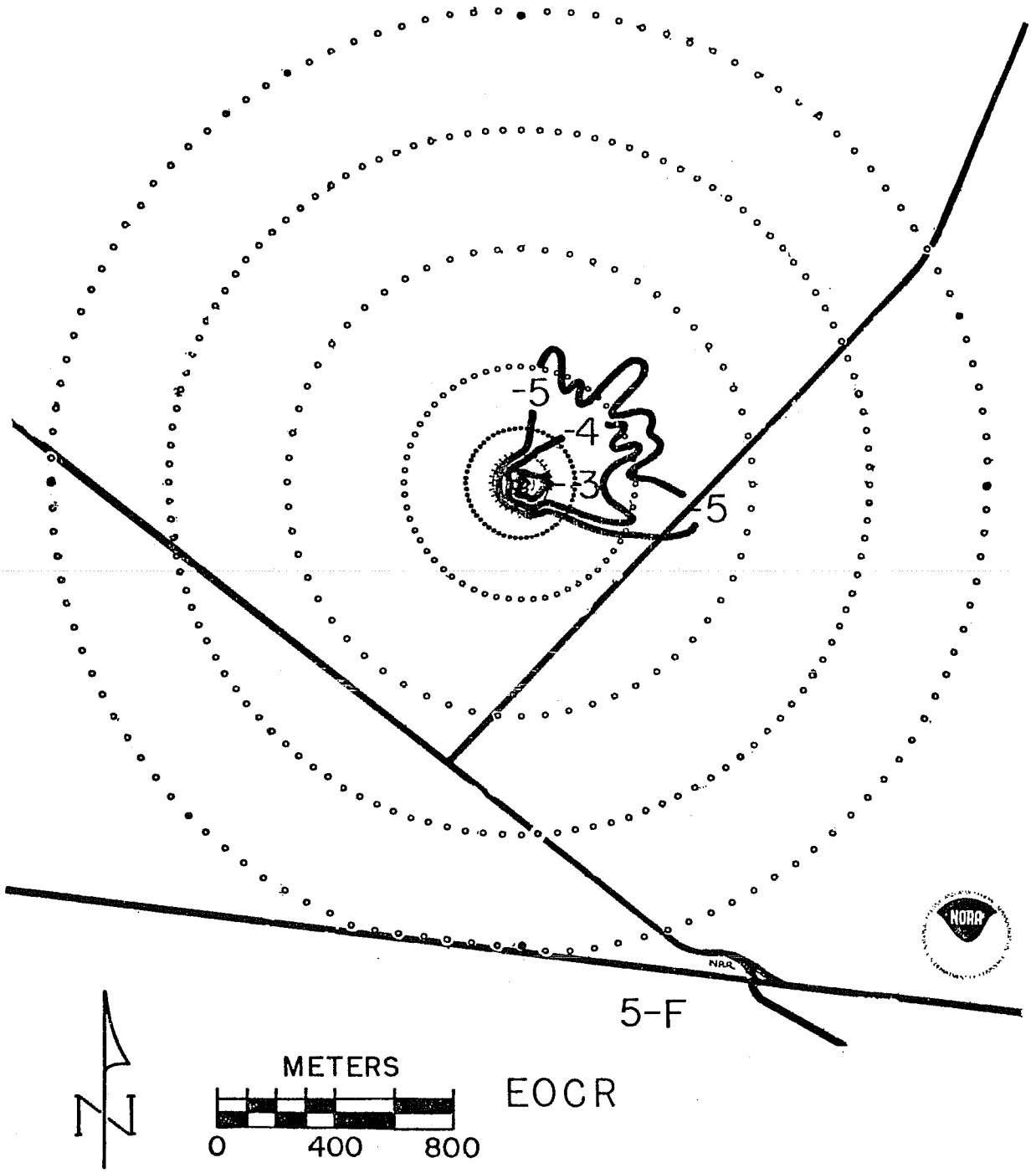
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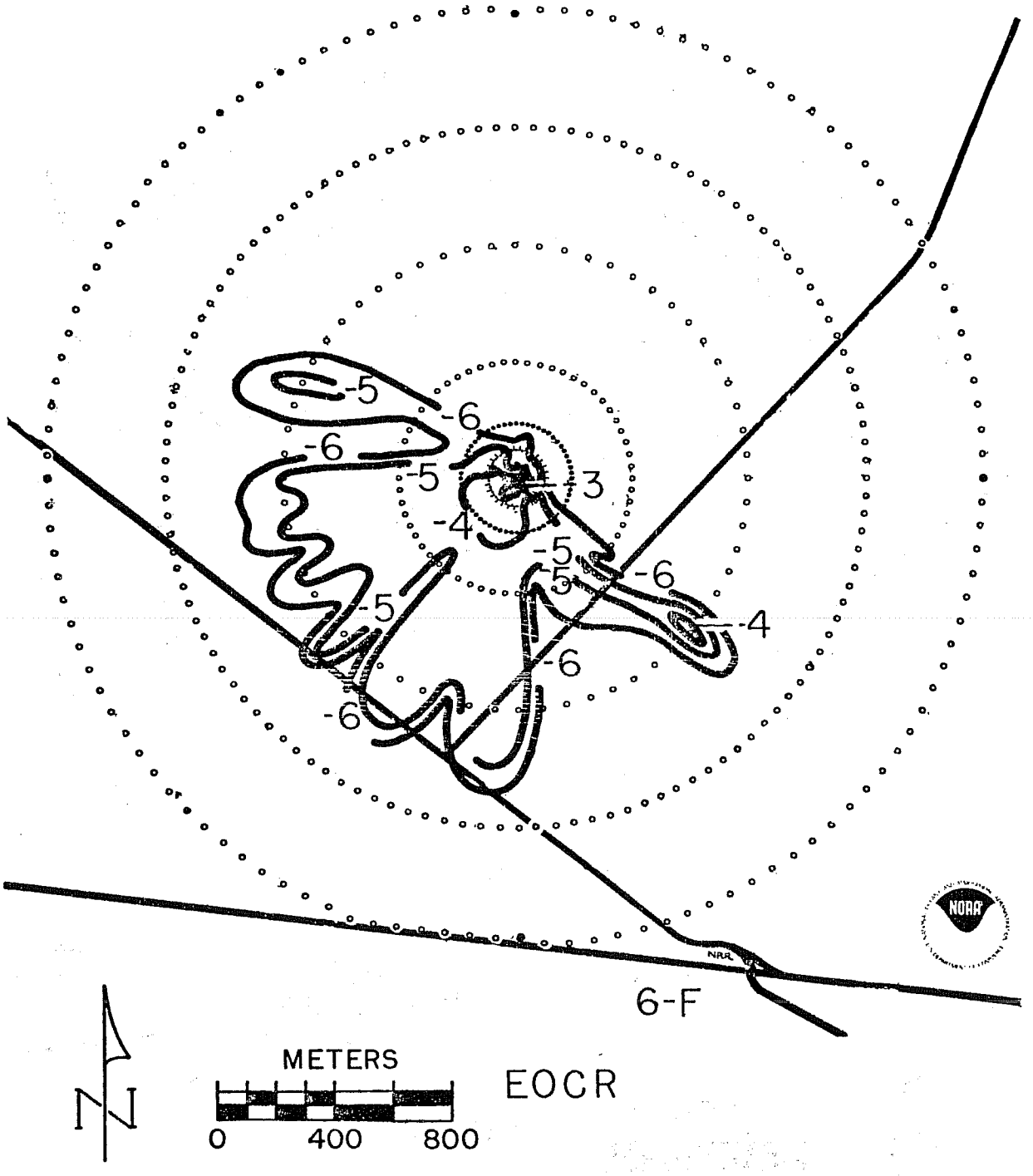
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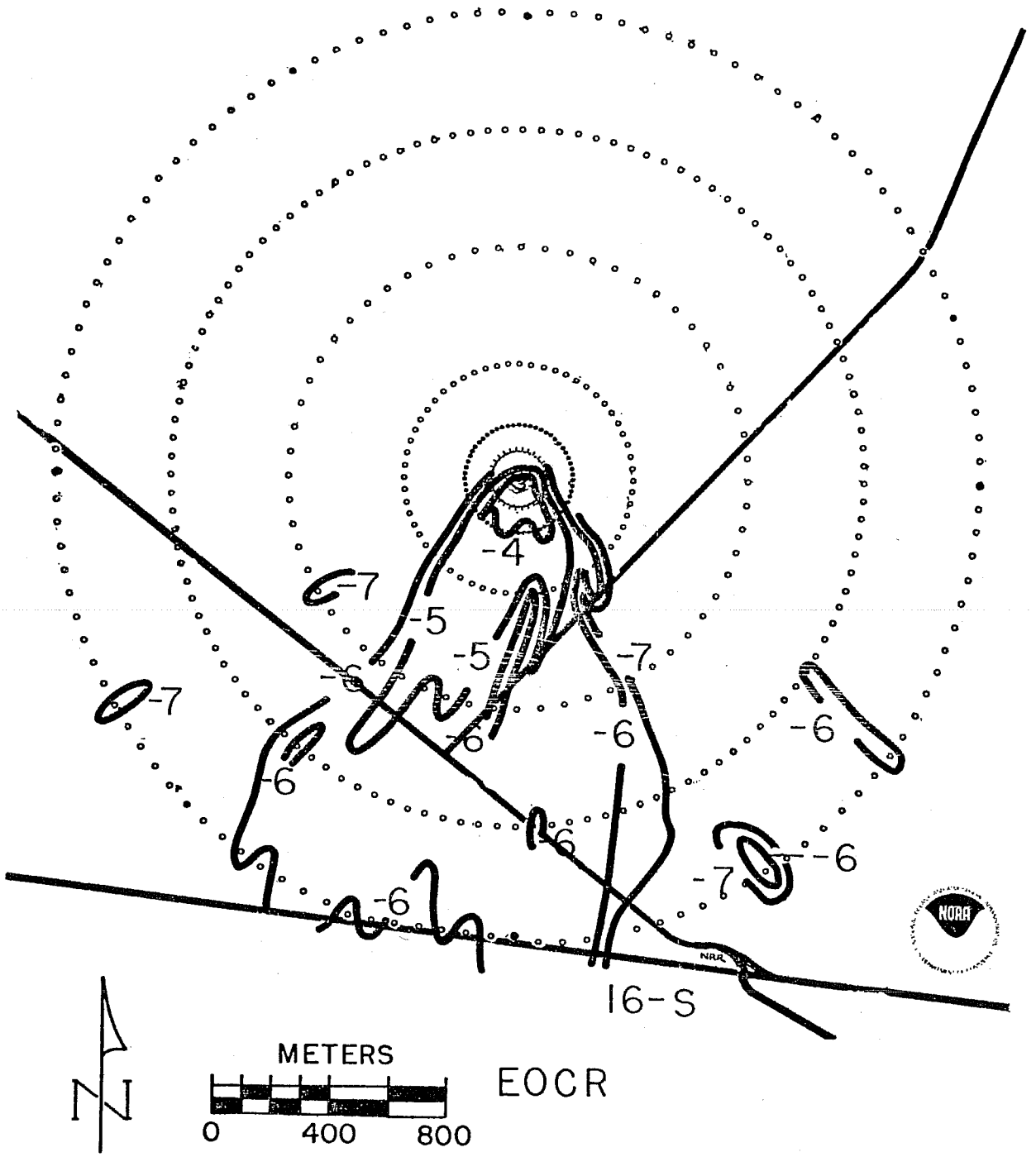
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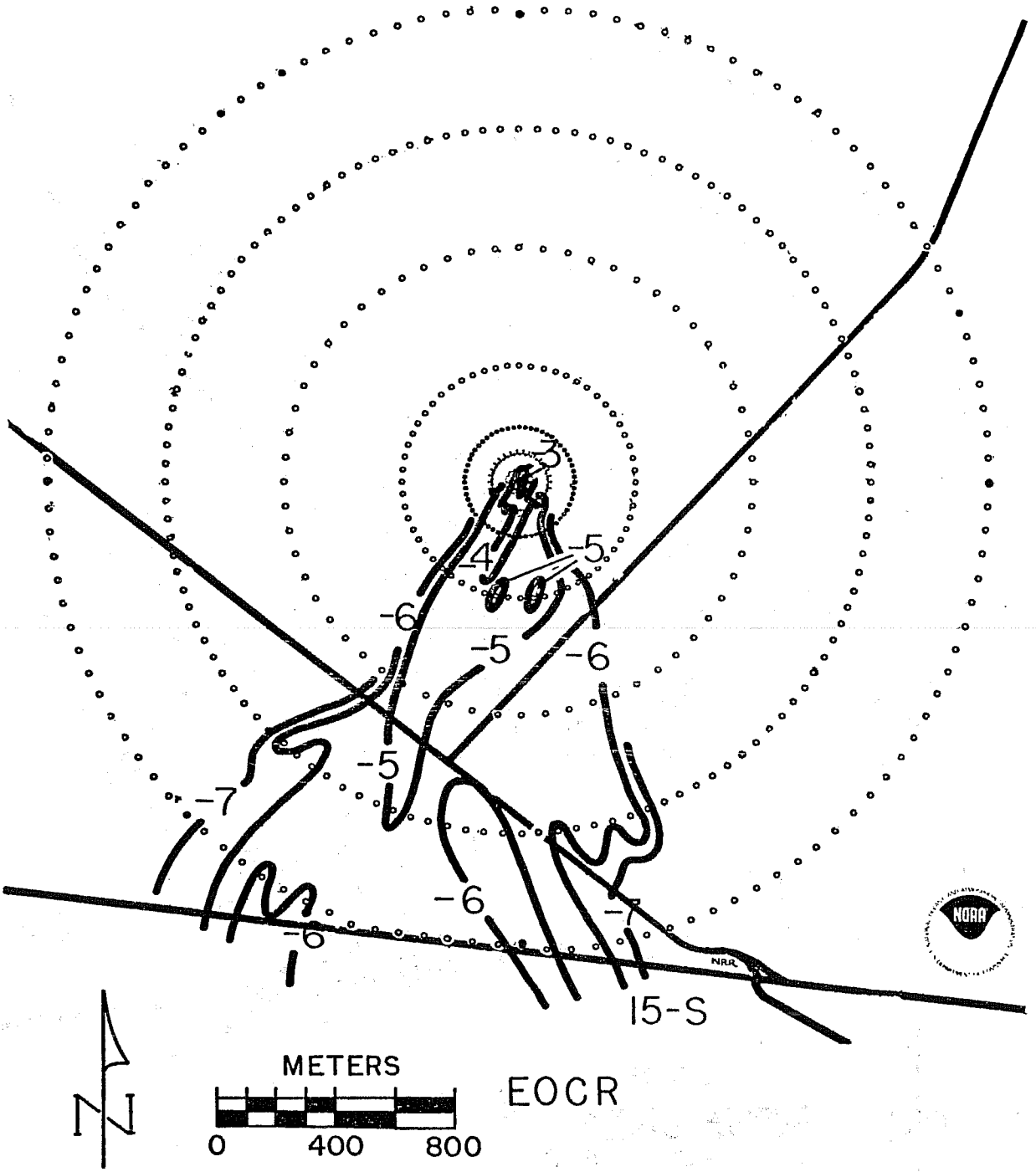
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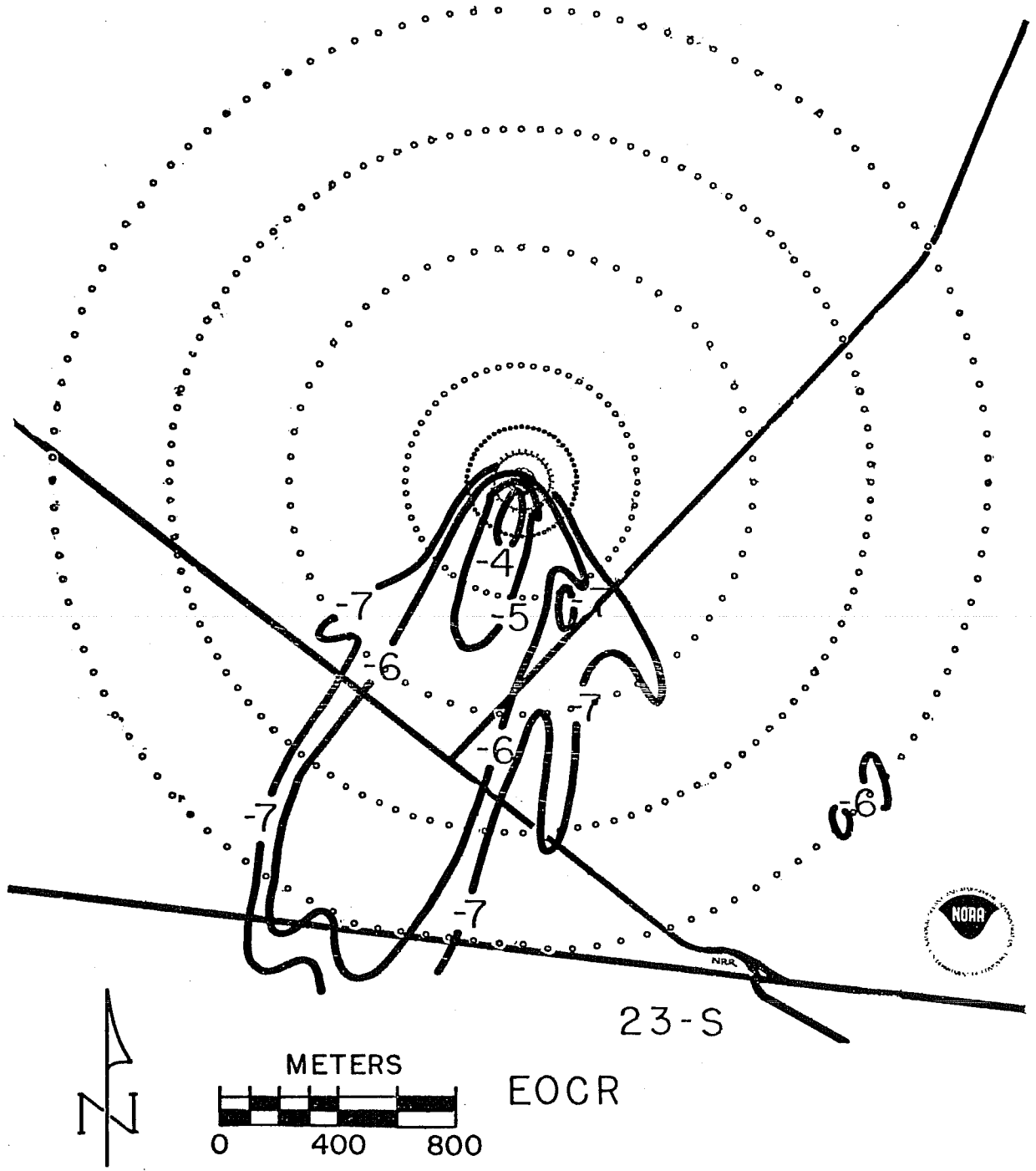
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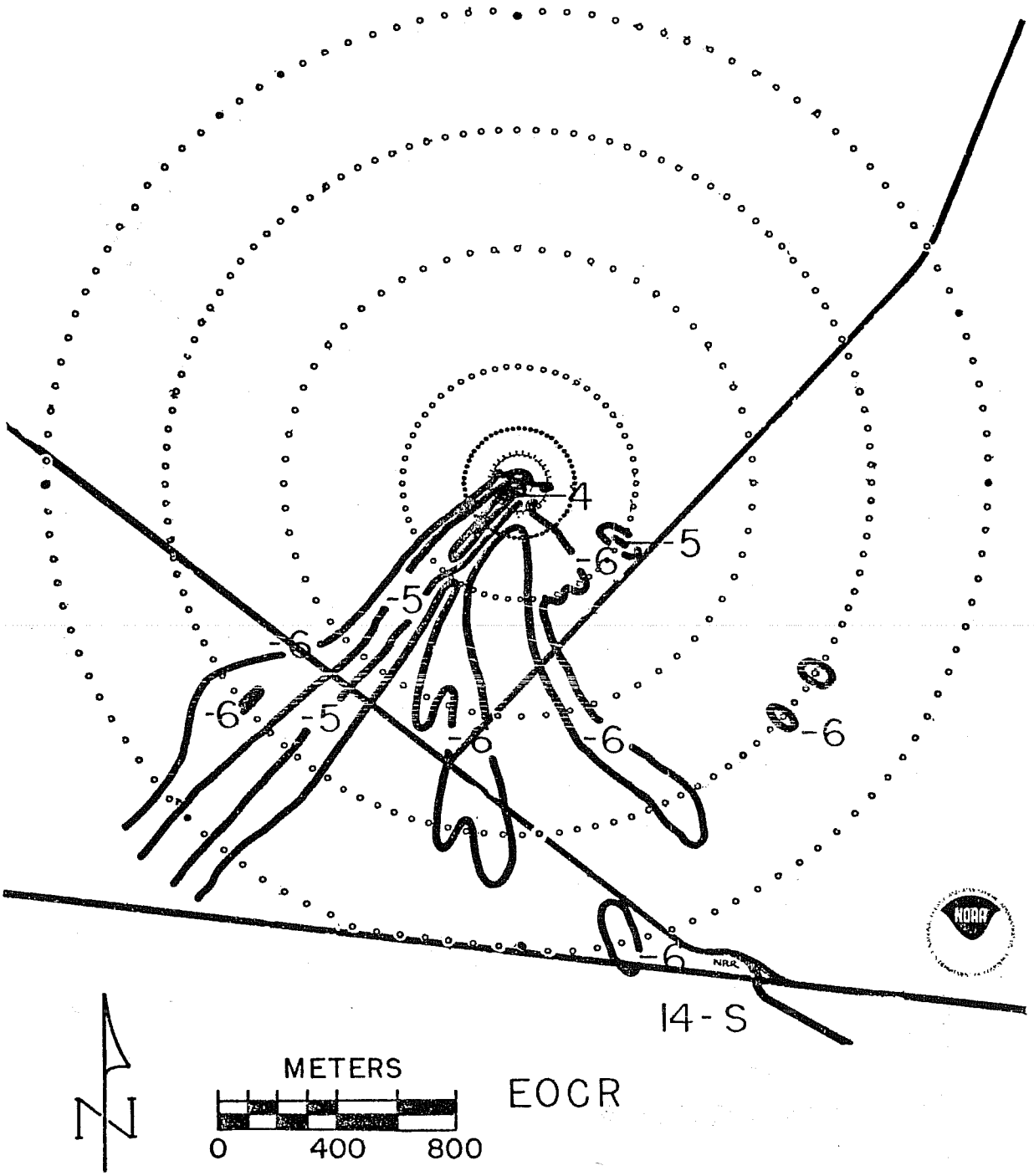
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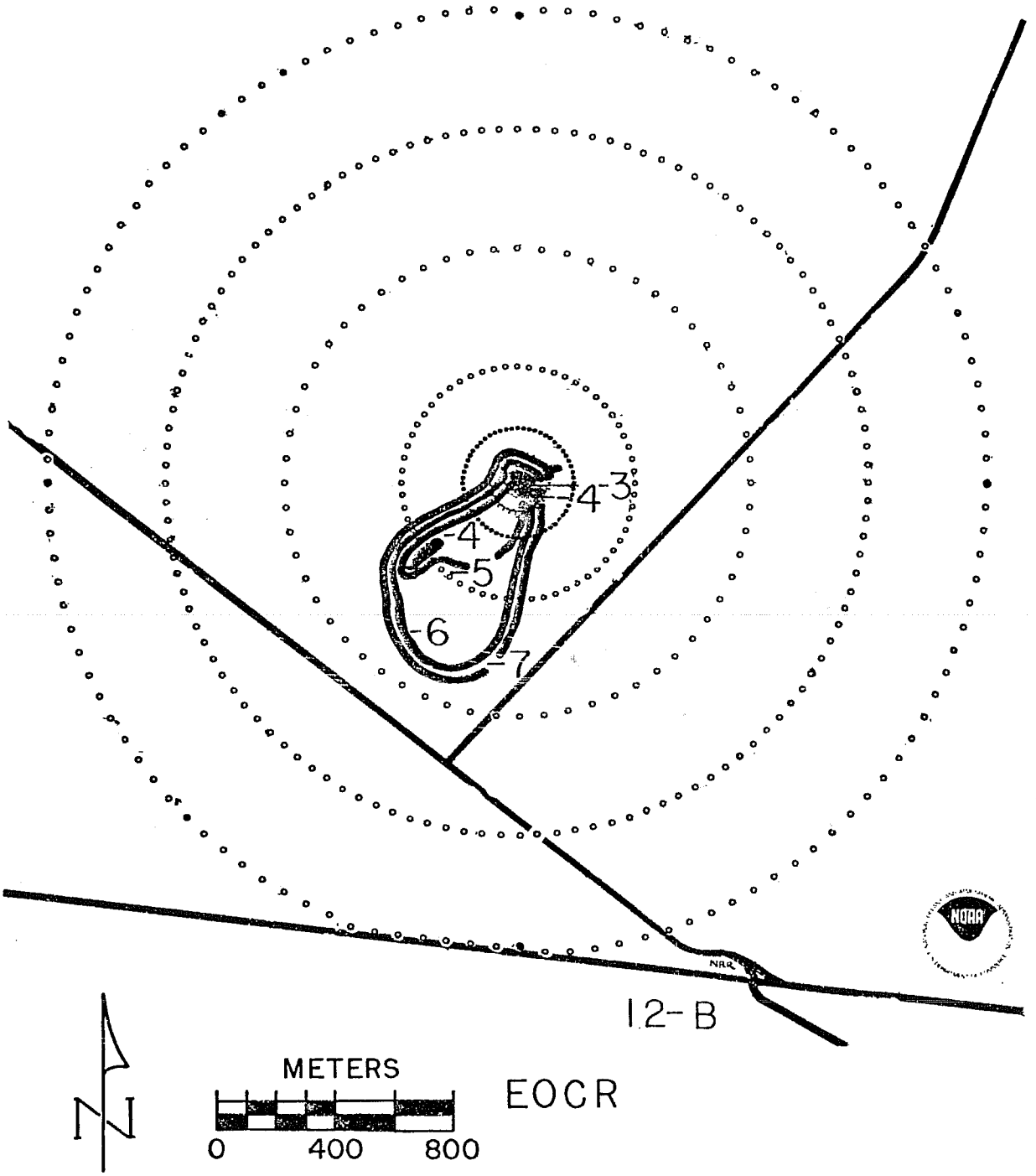
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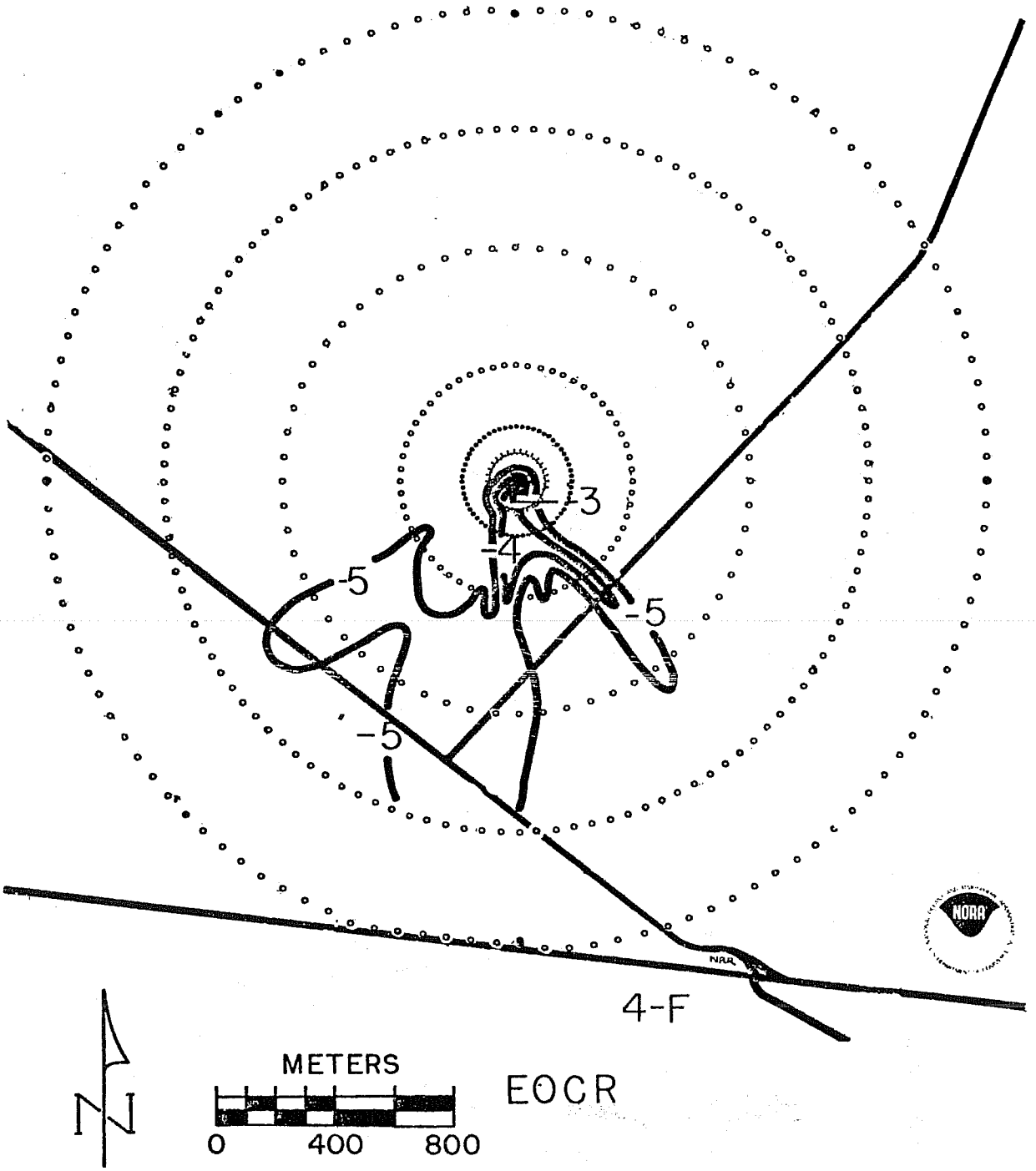
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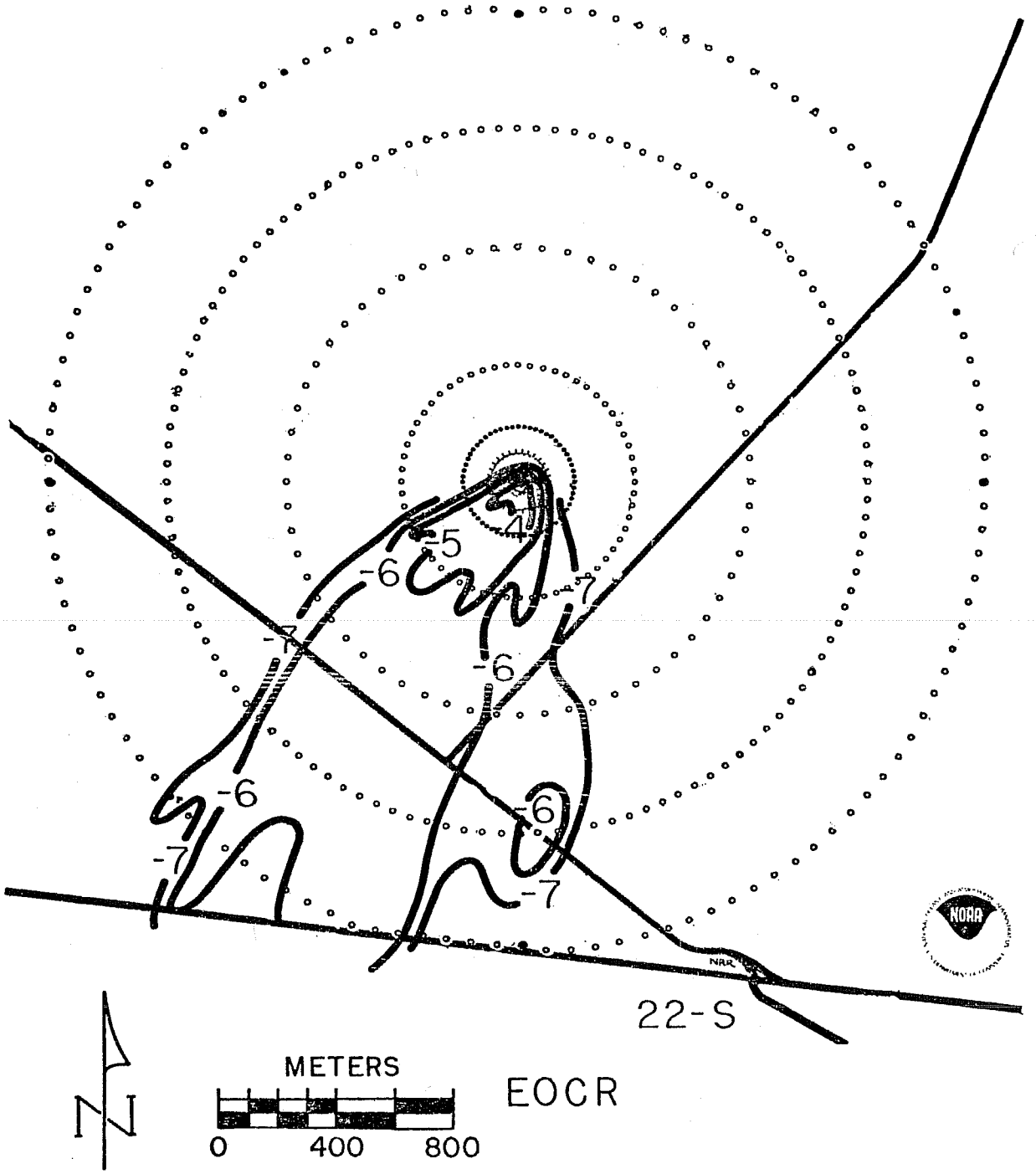
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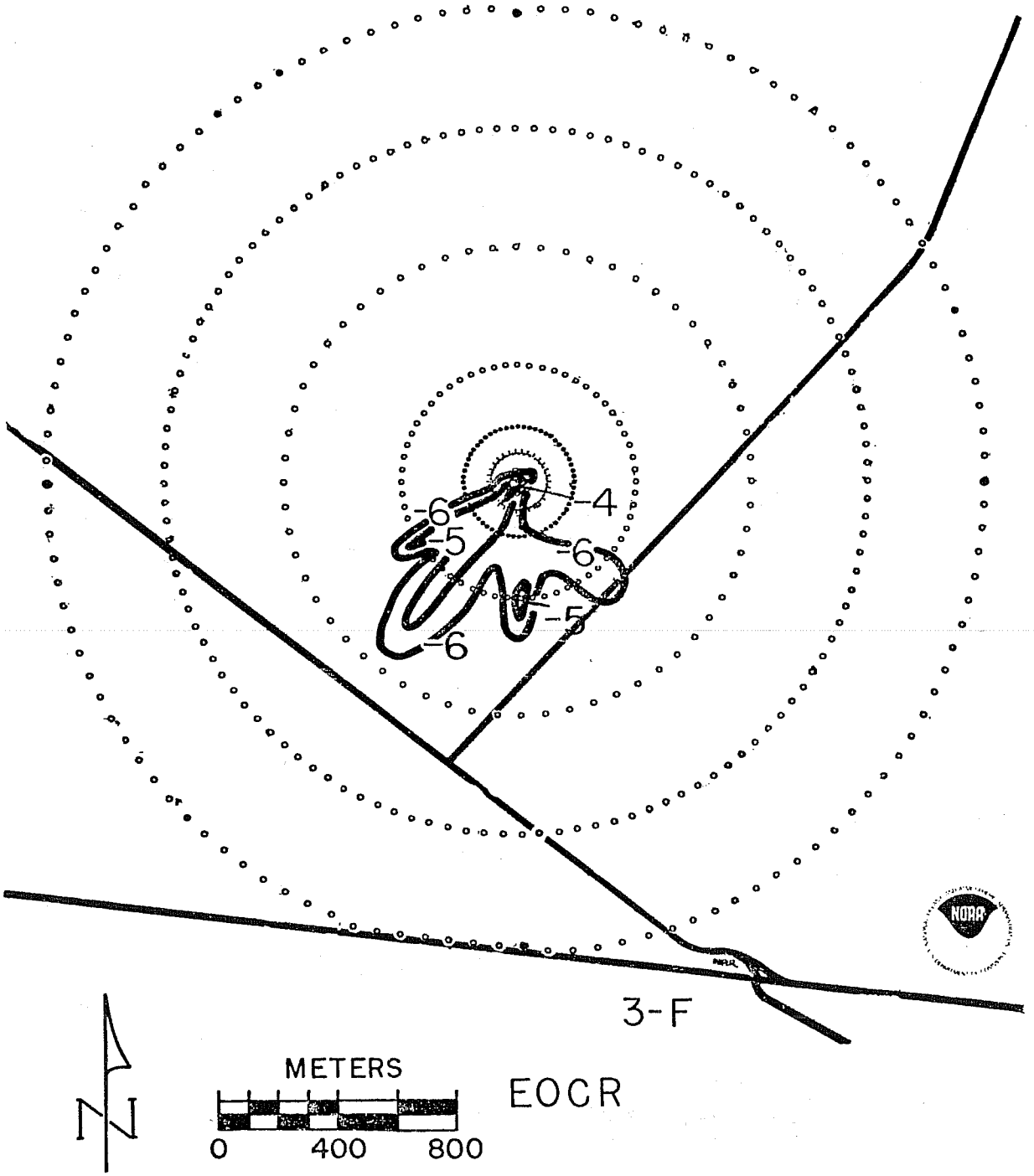
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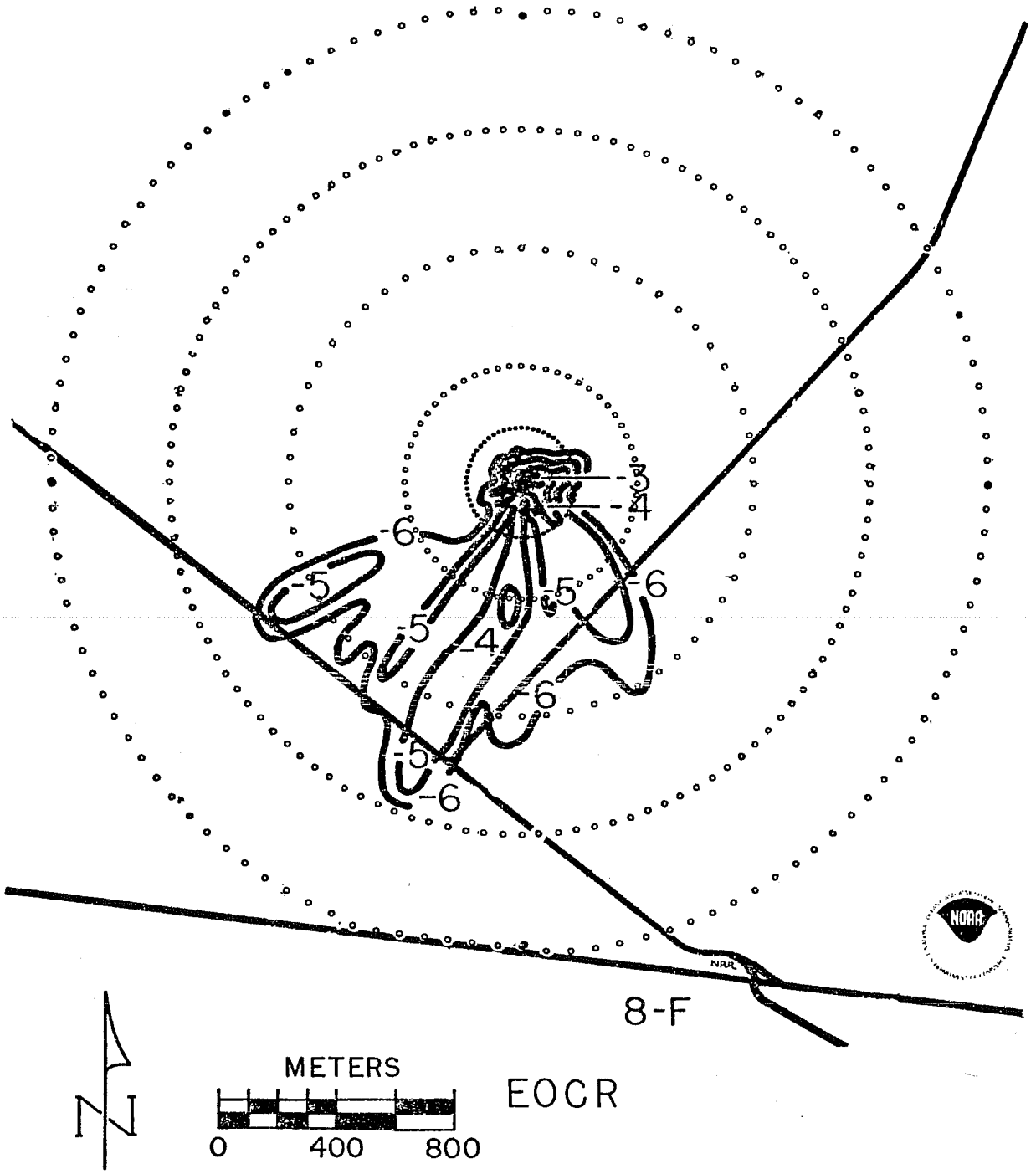
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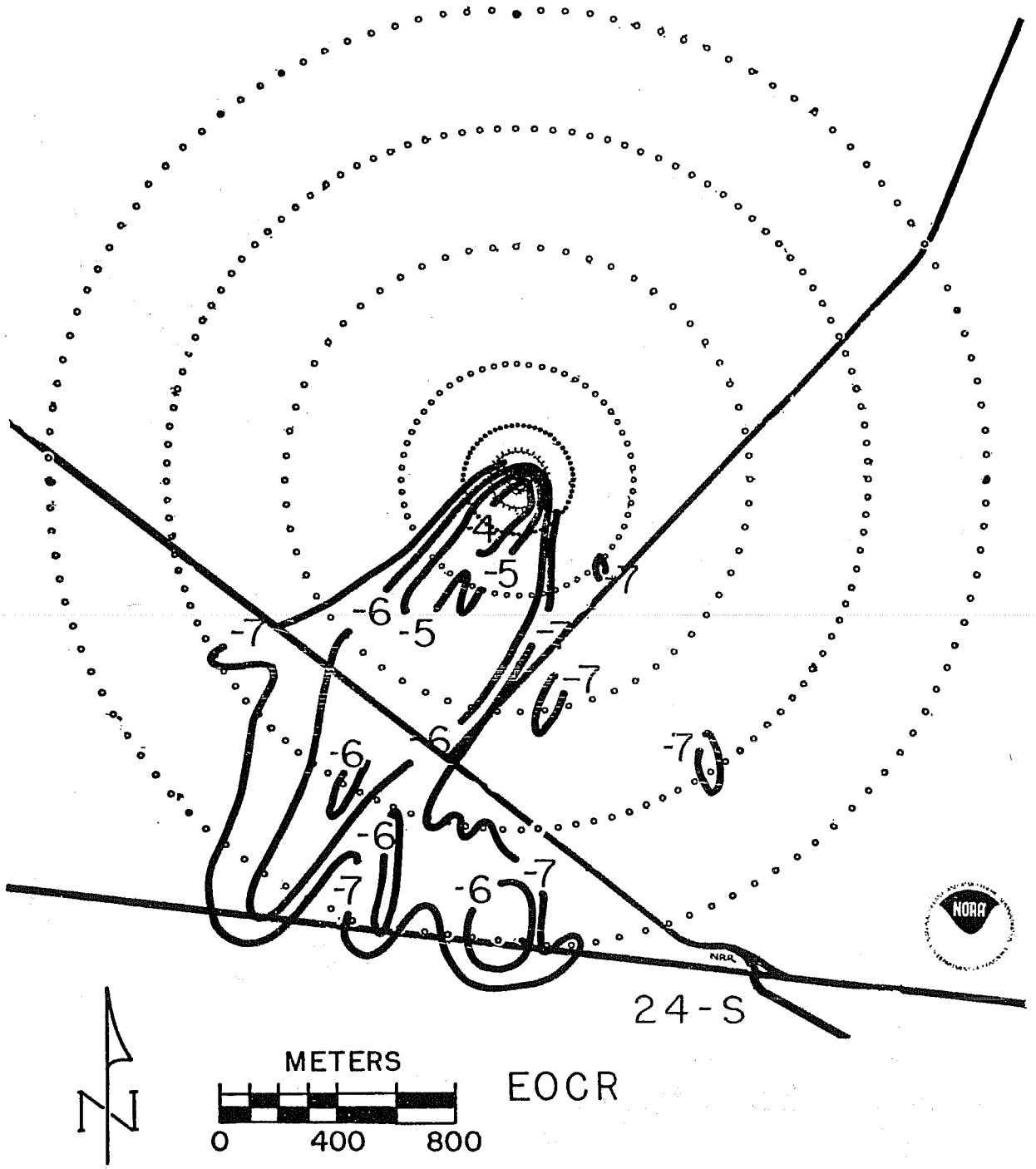
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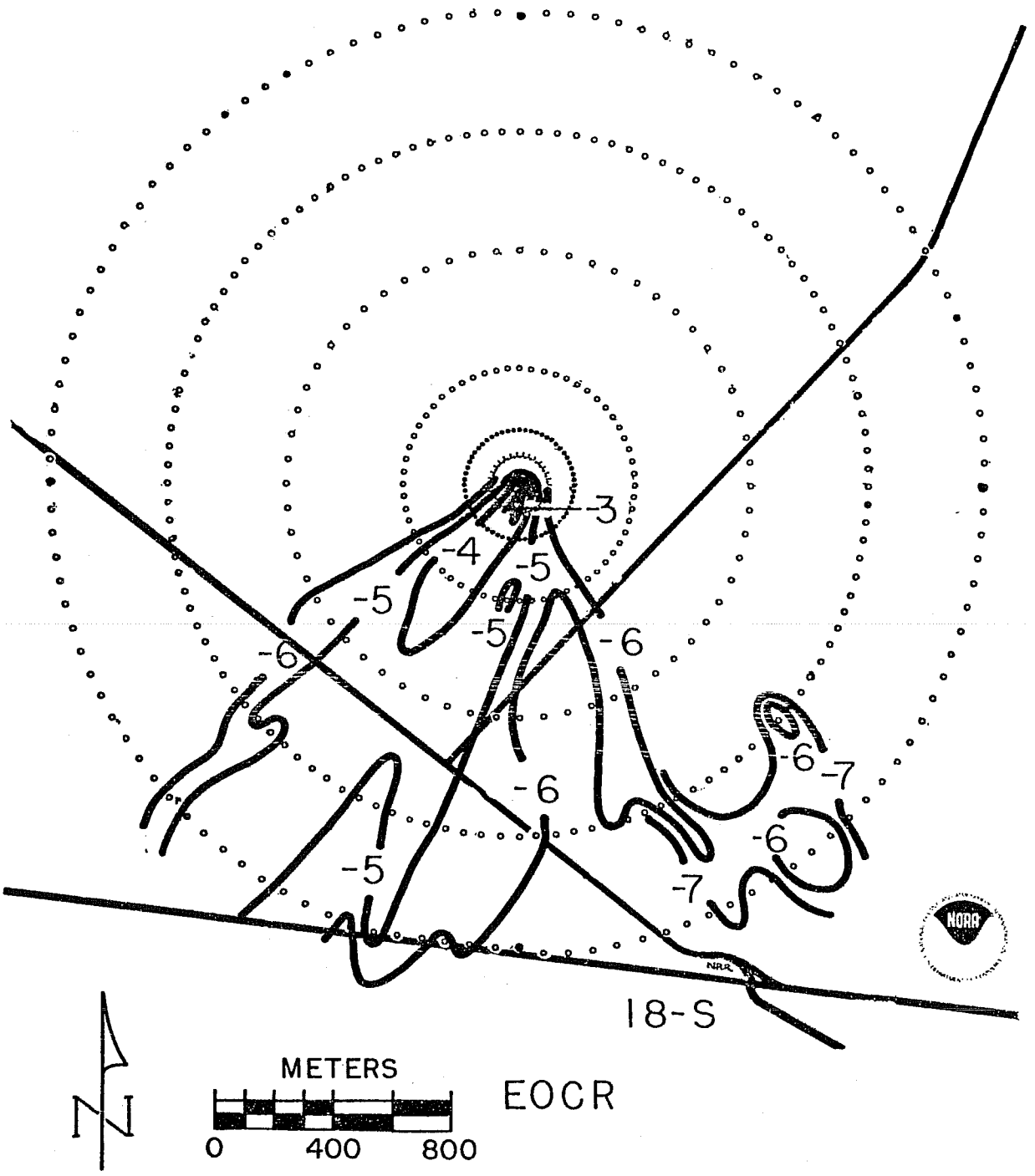
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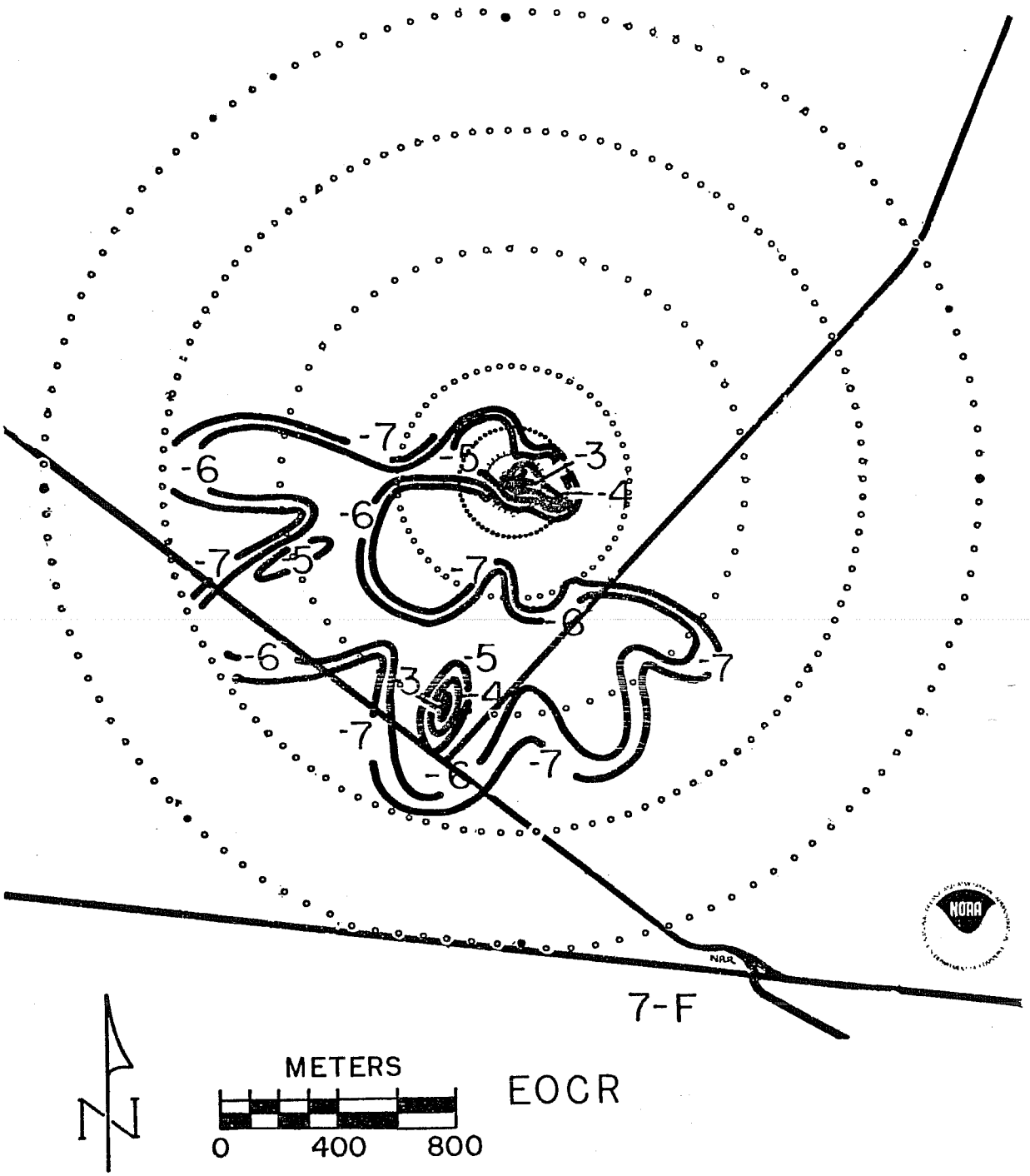
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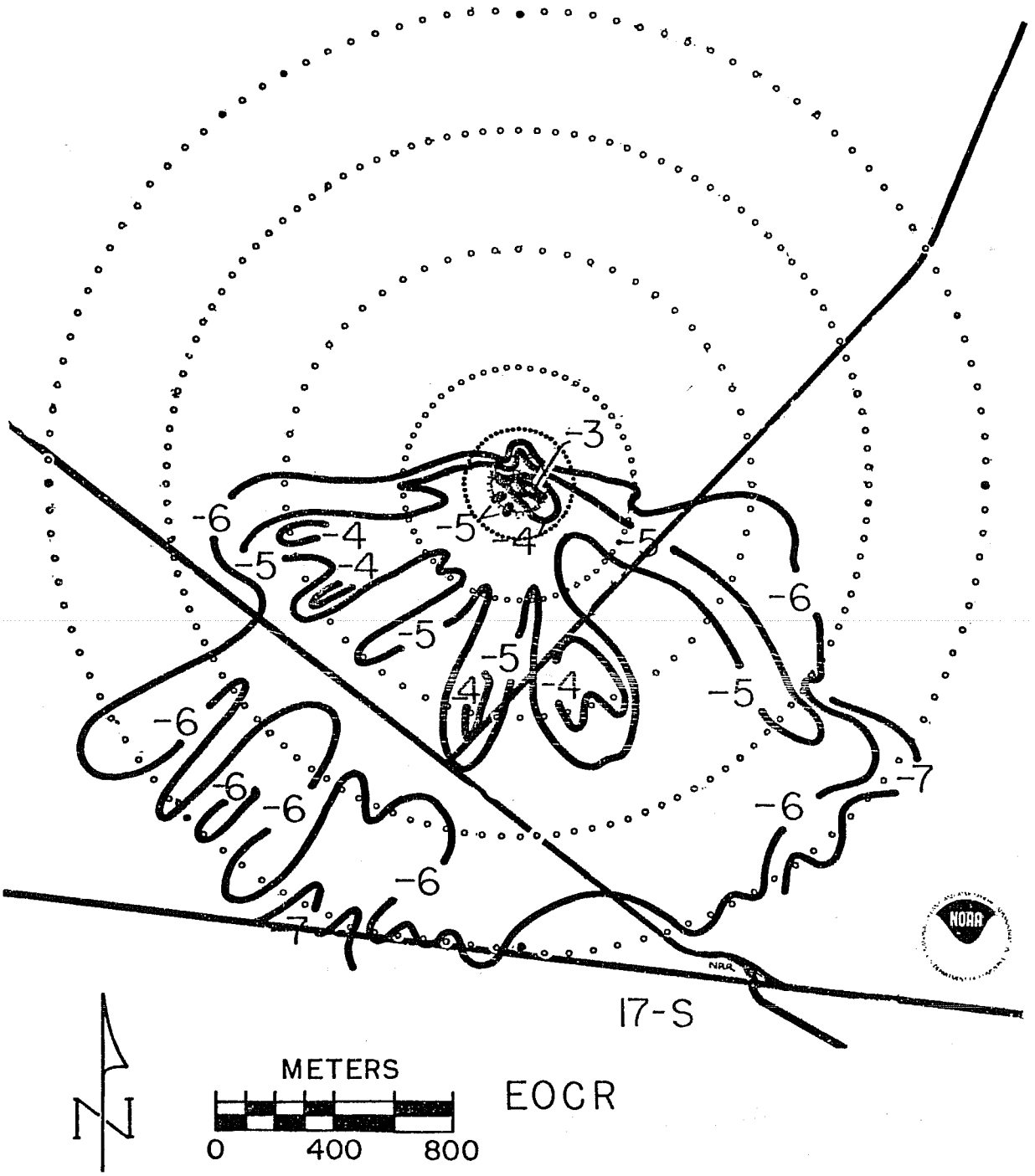
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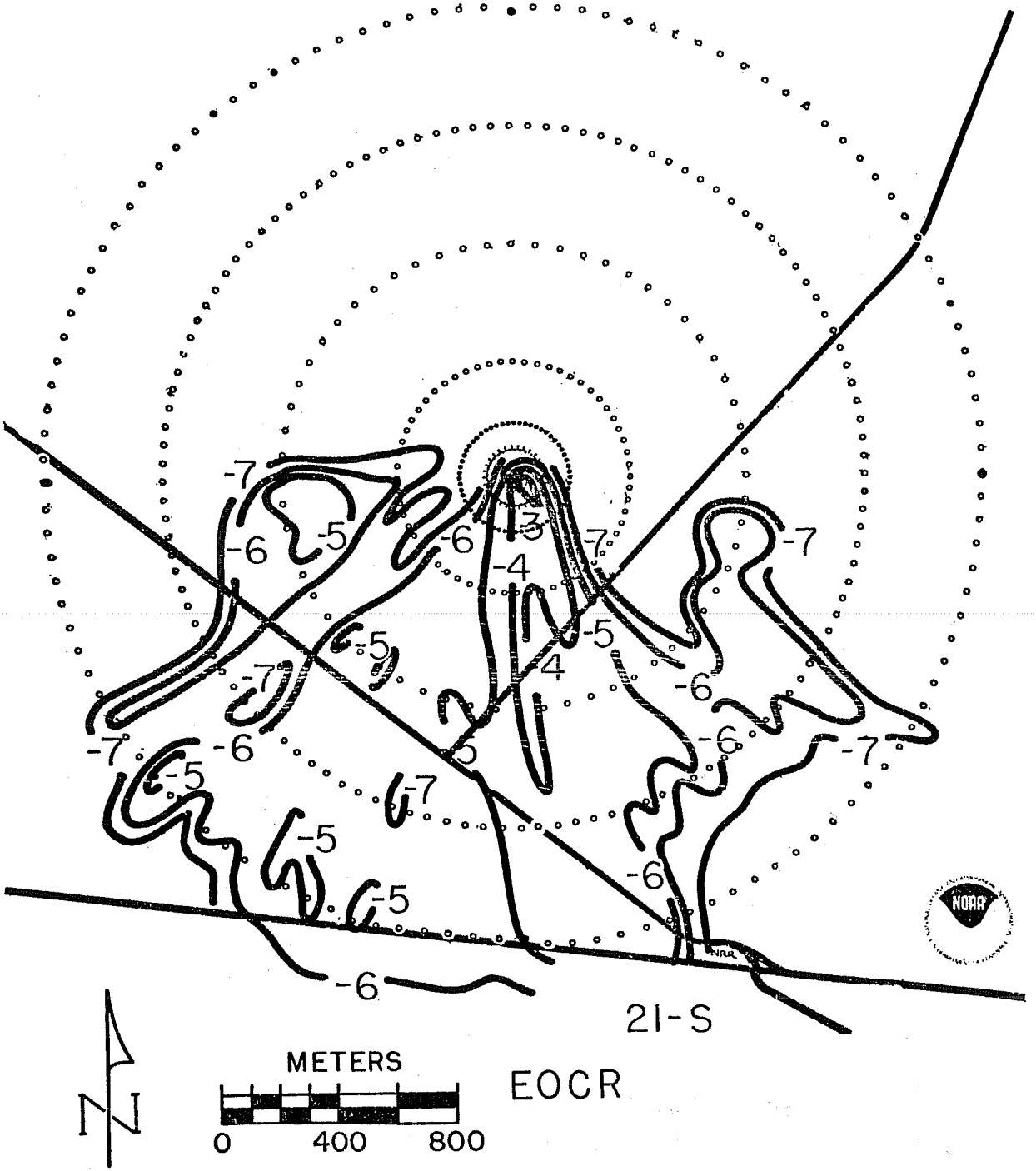
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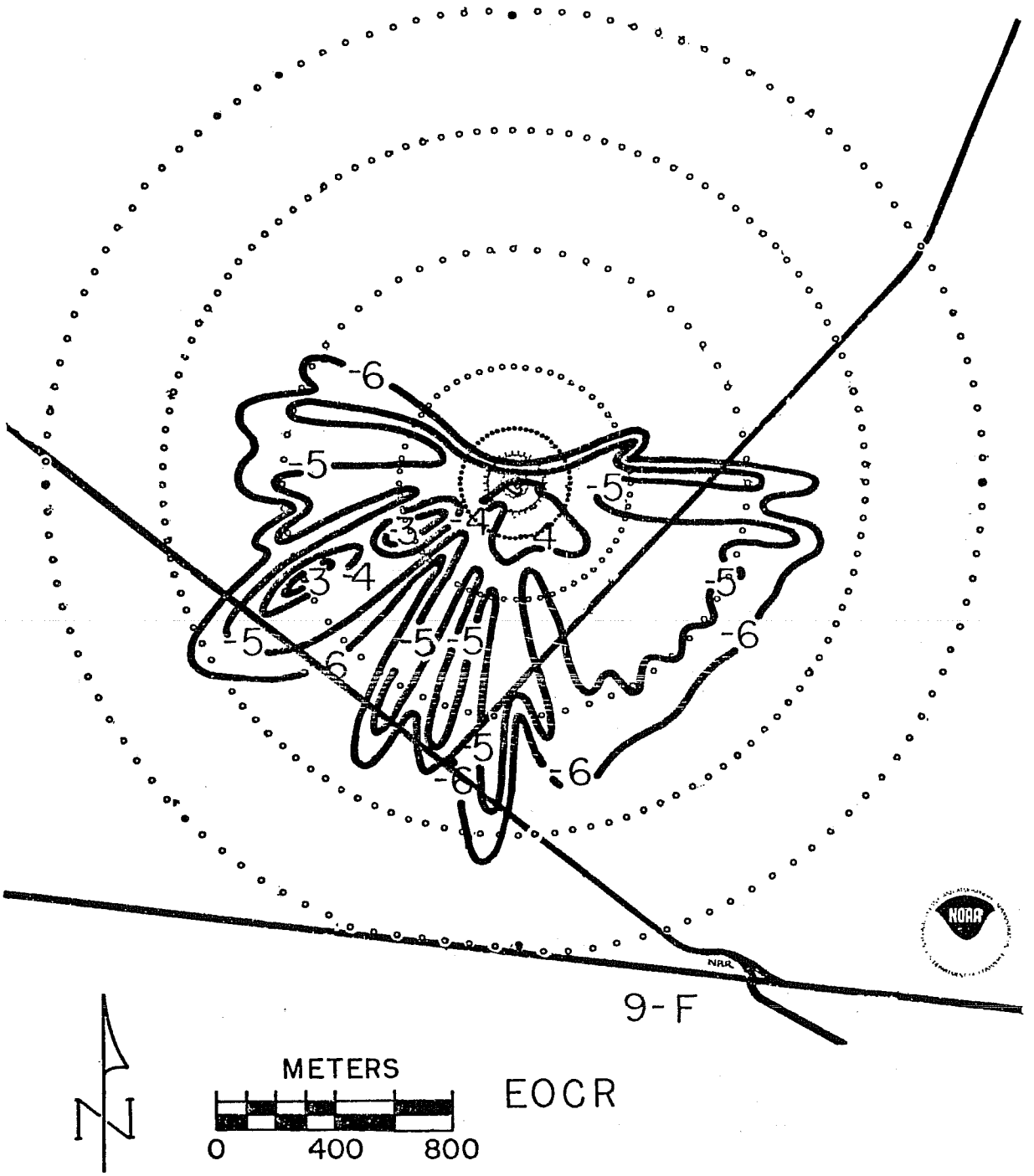
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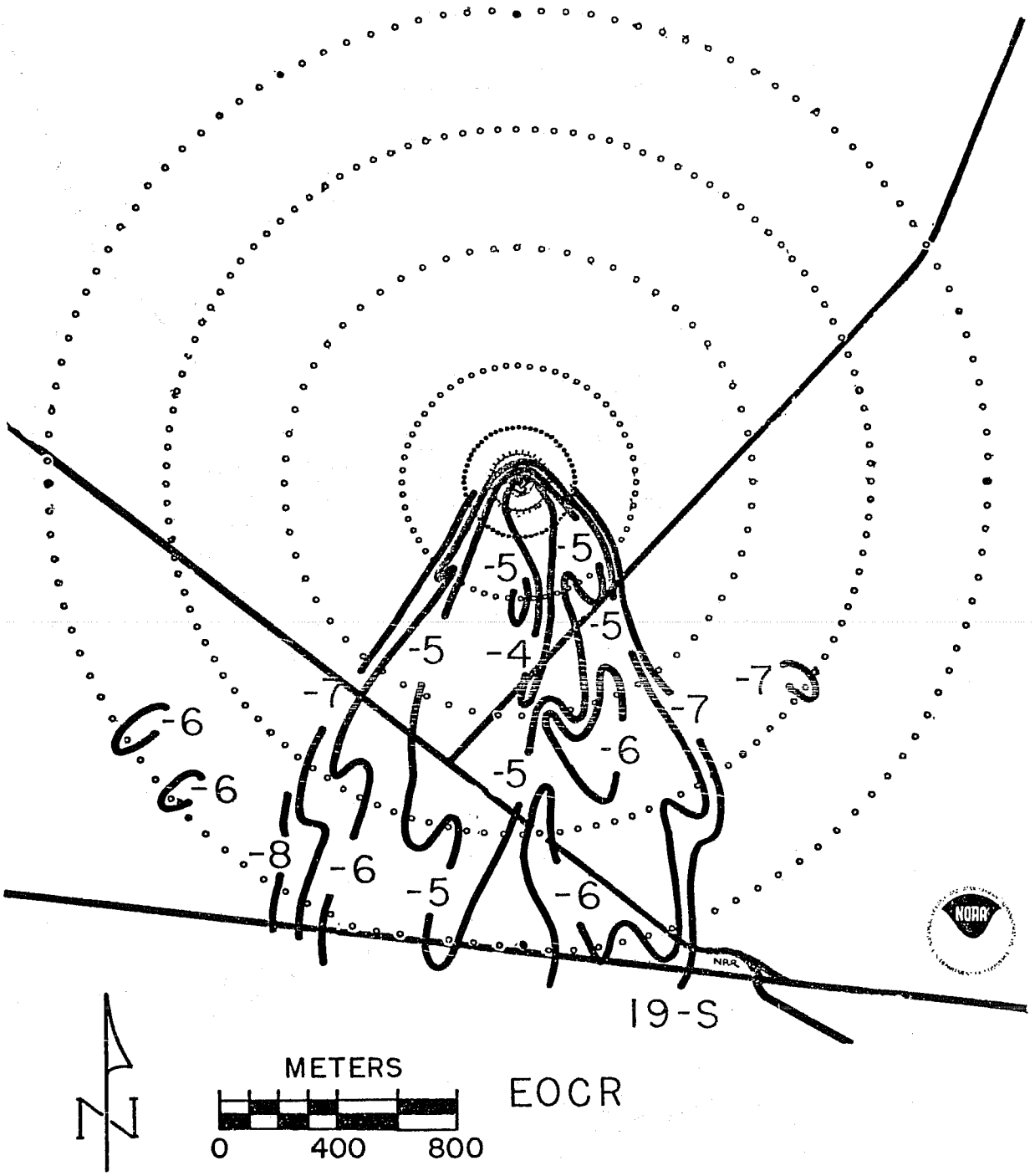
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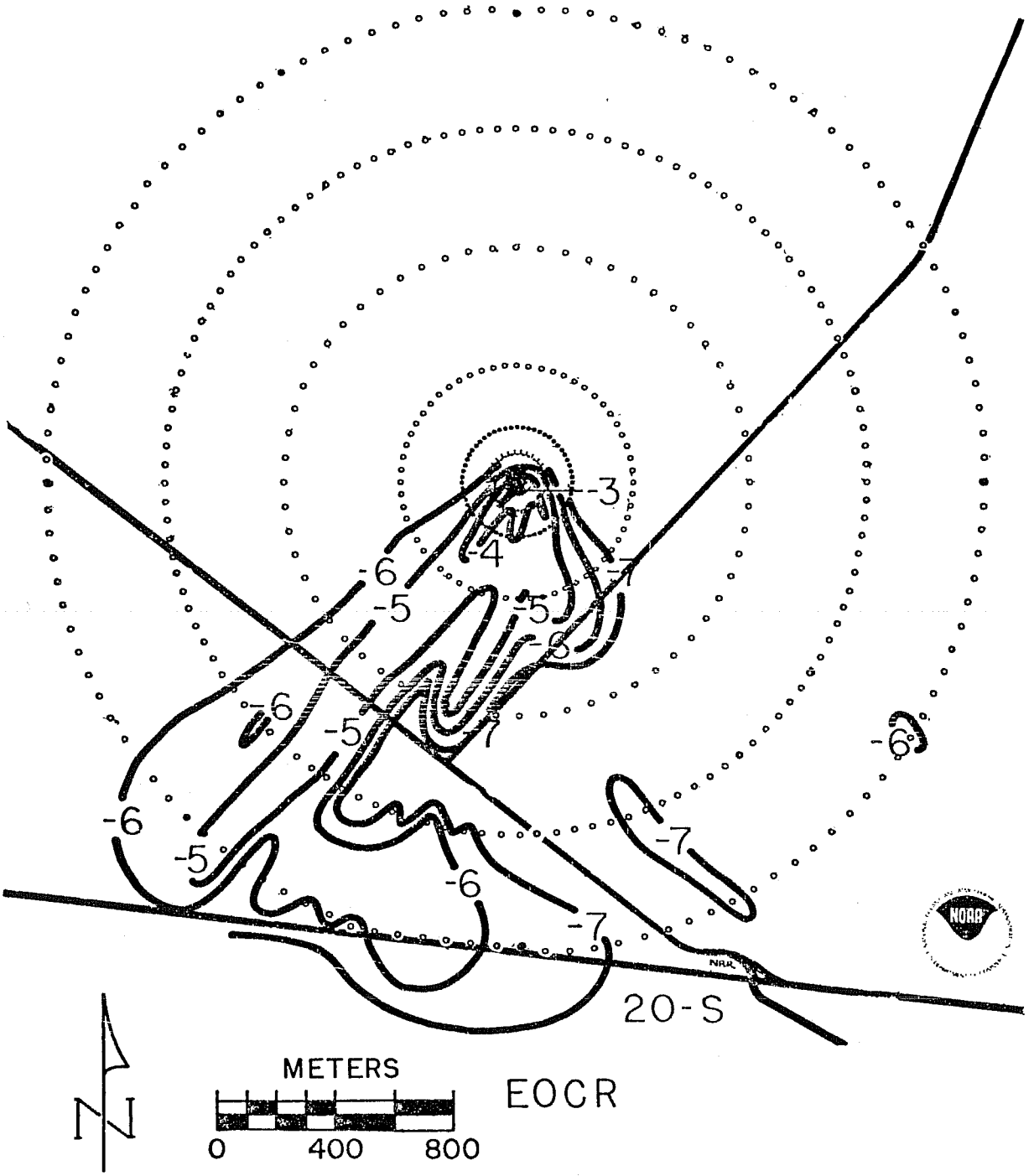
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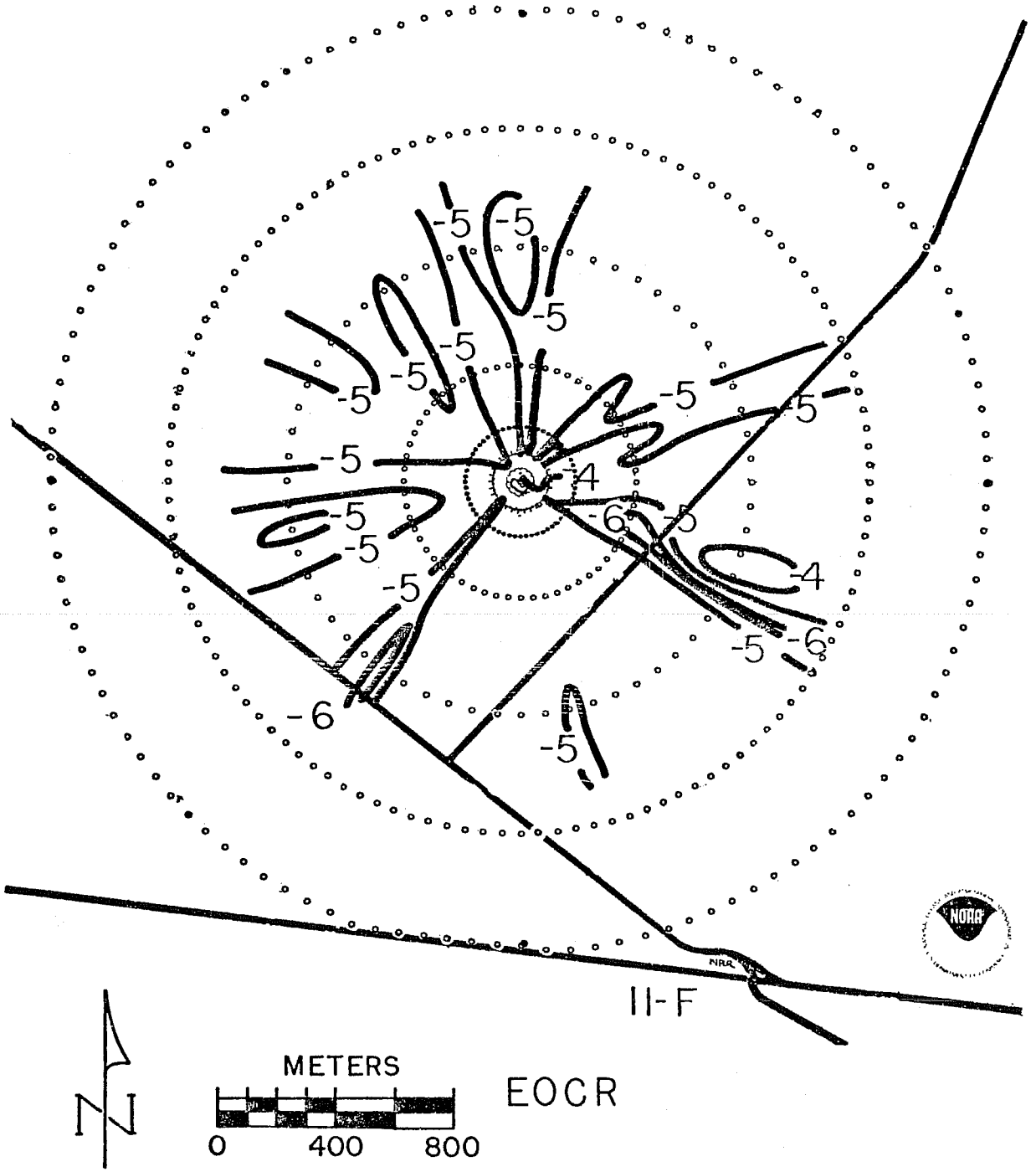
APPENDIX F: Roof Release Concentration Isopleths for Each Test.

Units are m^{-2}. Appendix D lists the individual values of concentration that form the basis for these isopleths. Figure 5 of the text depicts the site topography, which was considered during the isopleth analyses. Appendix A lists the temperature measurements that formed the basis for designating a stability category. Each sampler position in the 400 m, 800 m, 1200 m, and 1600 m arcs is shown. Isopleth analyses are ordered in the sequence shown in table F-1. Stability class A figures are given first and plots are ranked by windspeed; the lowest windspeed is first.

Table F-1. Stability and Windspeed Ordering of Isopleth Analyses.

Stability	Test Number	Windspeed 30 m (m/sec)
A	11	1.5
A	13	2.1
A	10	3.8
A	5	9.0
D	6	2.8
D	16	3.7
D	15	4.9
E	23	3.3
E	14	3.4
E	12	3.5
E	4	4.4
E	22	4.7
F	3	1.3
F	8	1.8
F	24	3.2
F	18	6.9
G	7	0.7
G	17	2.5
G	21	4.0
G	9	4.1
G	19	4.5
G	20	5.6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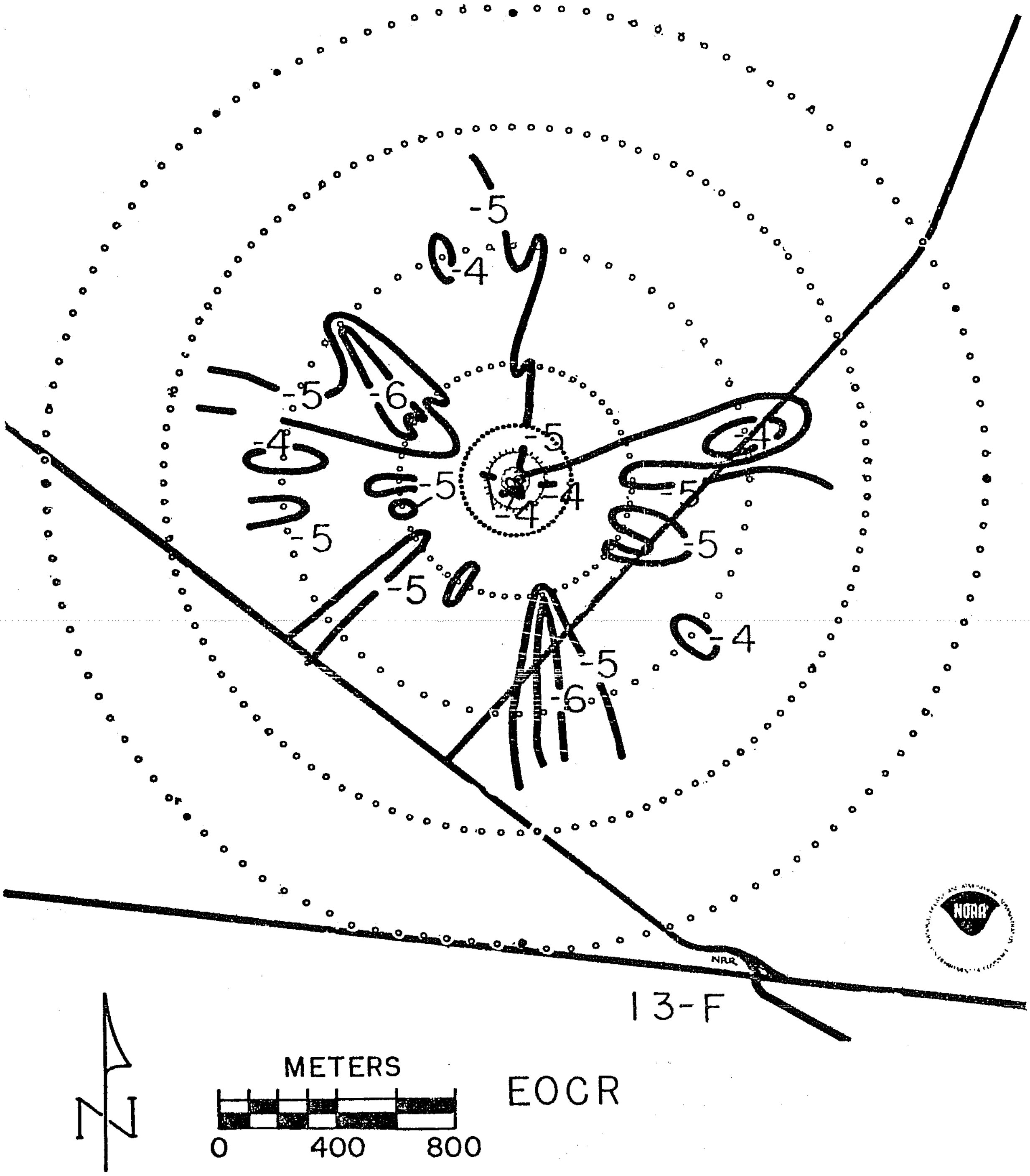

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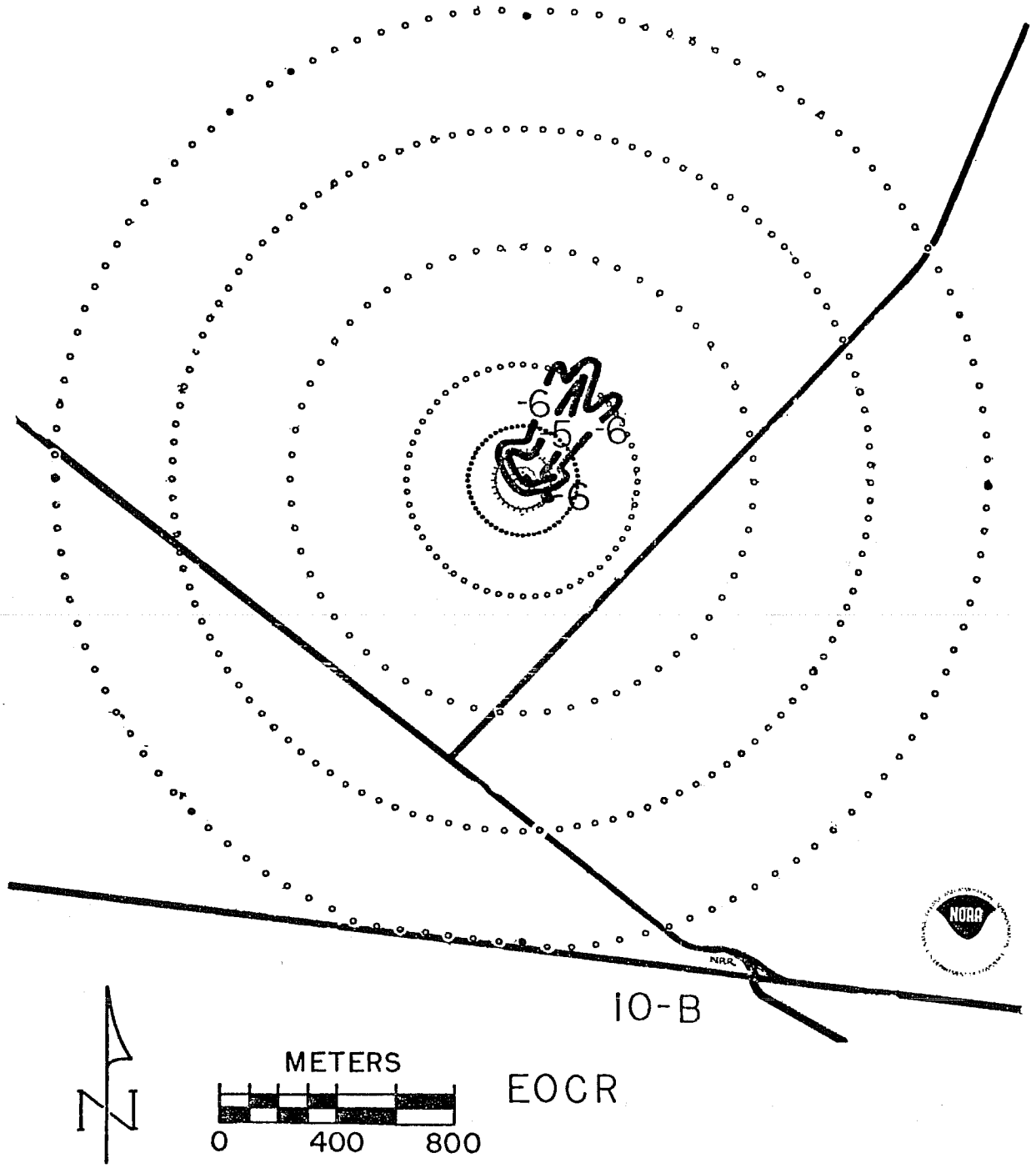
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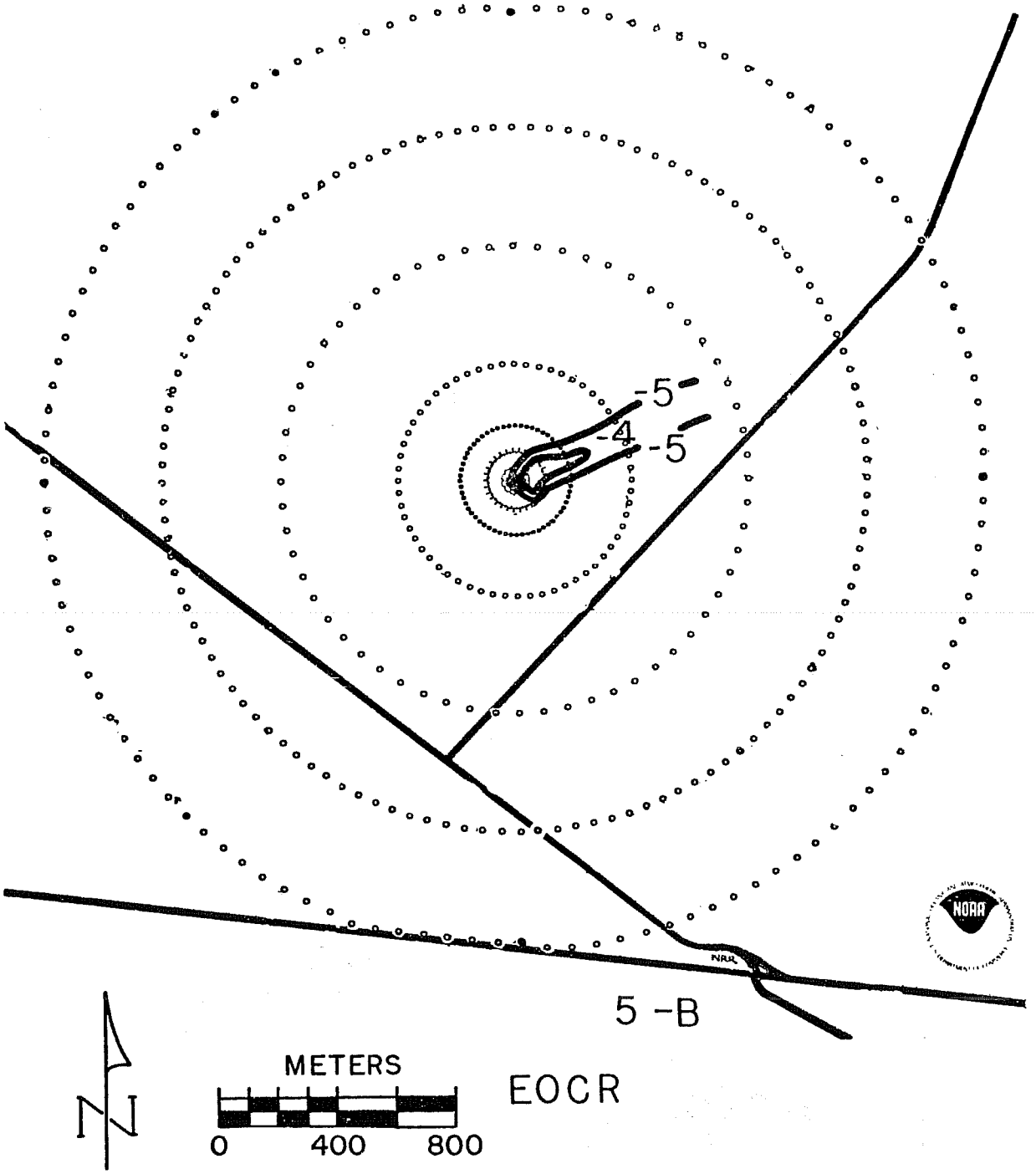
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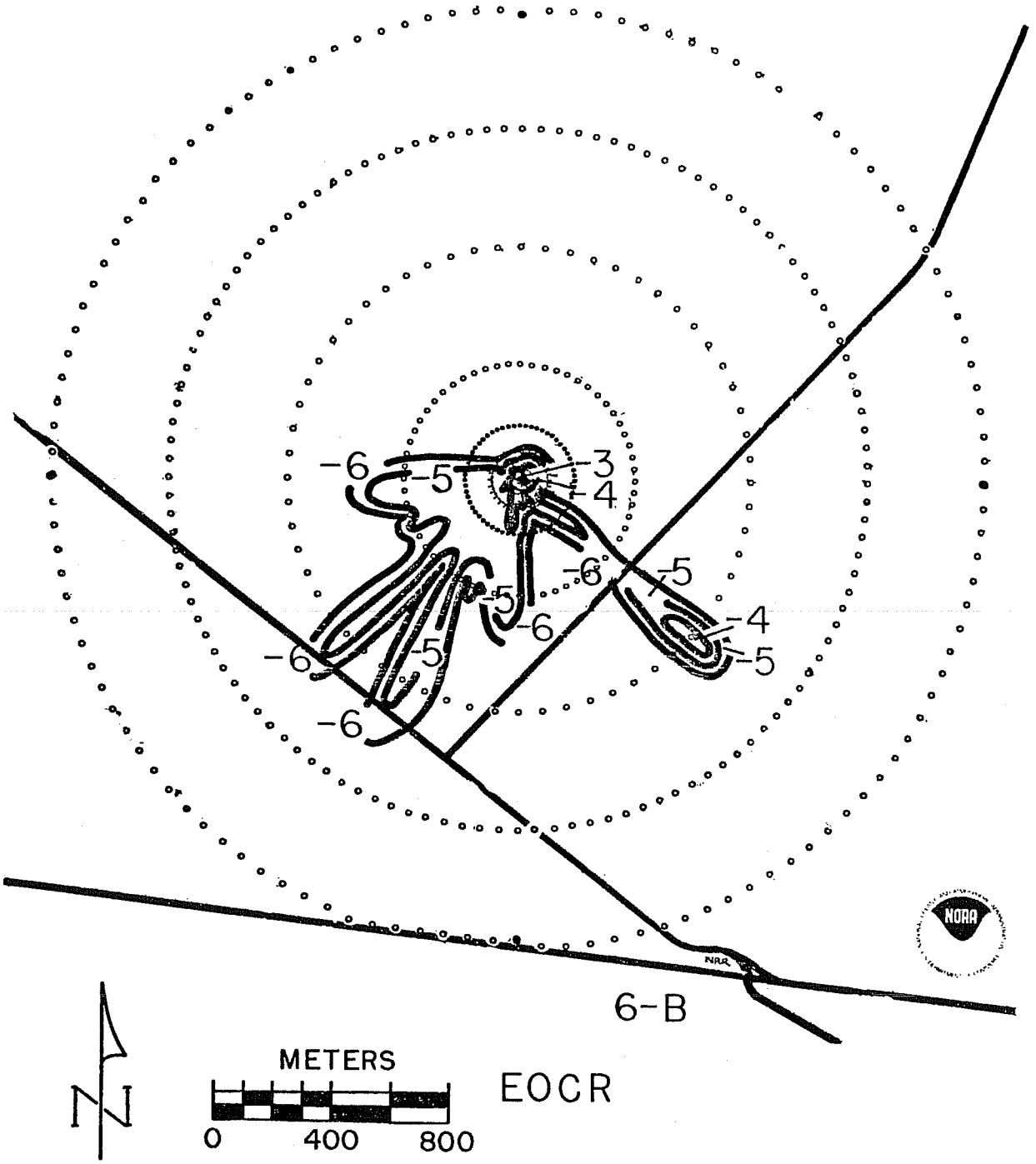
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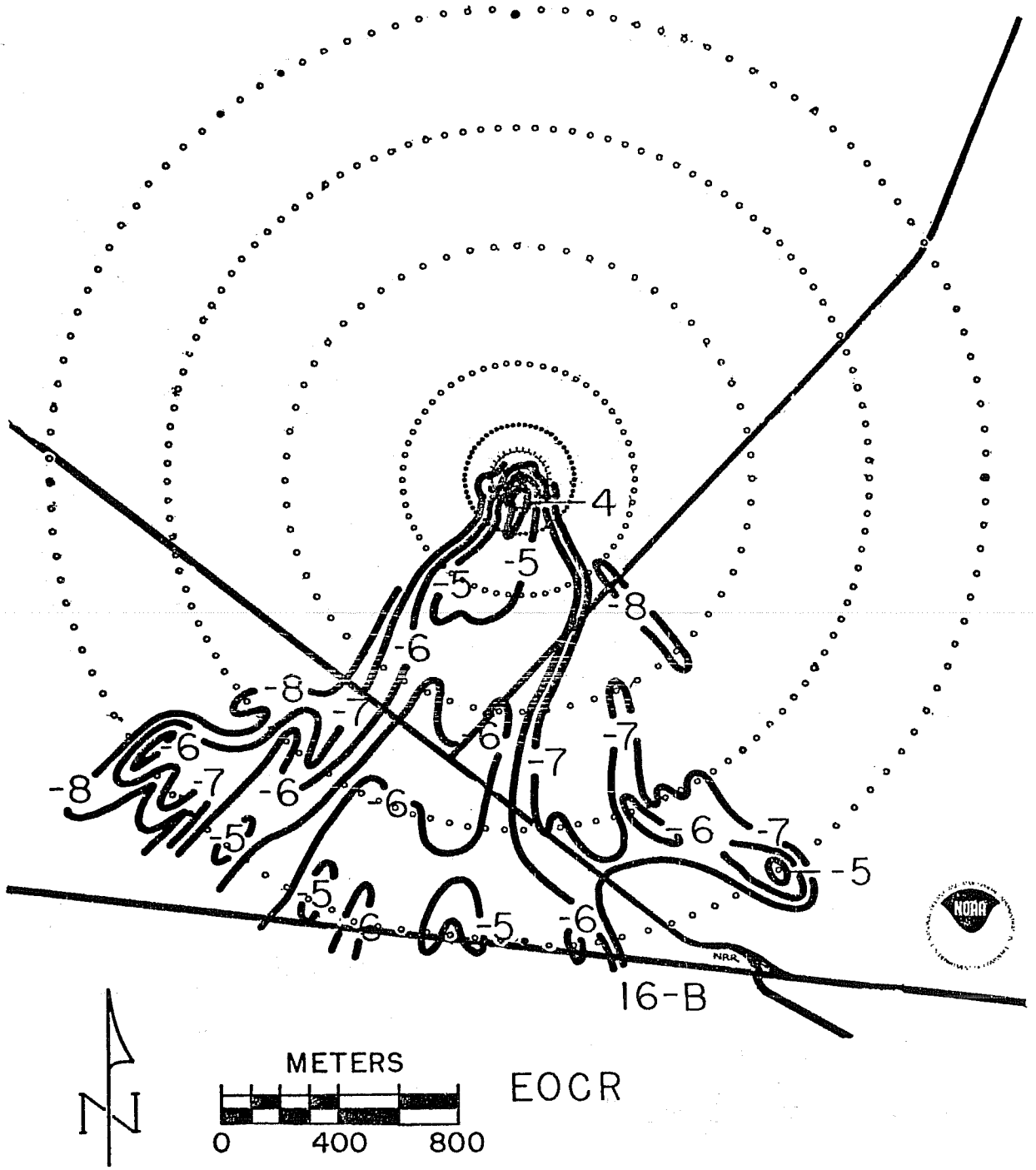
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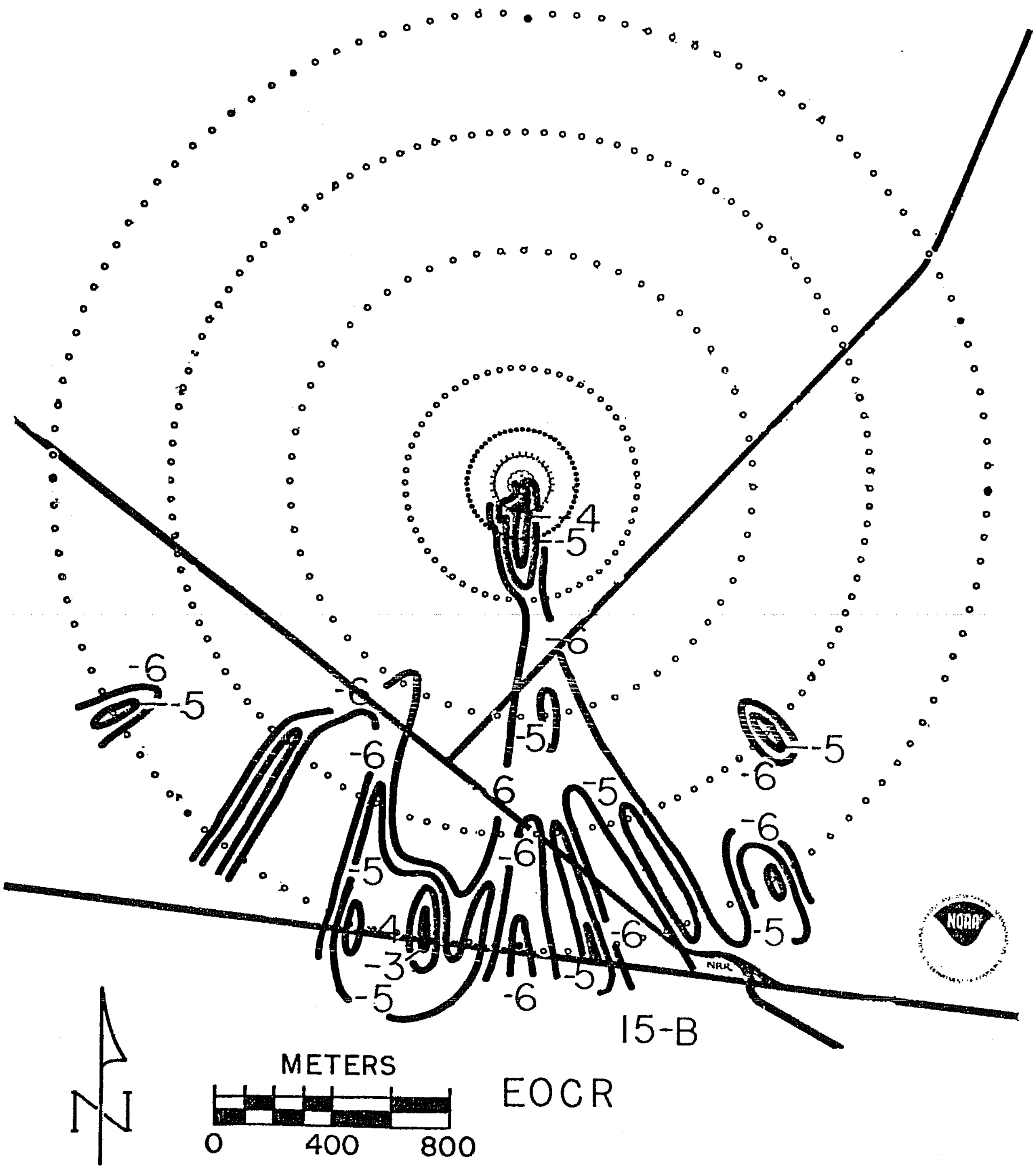

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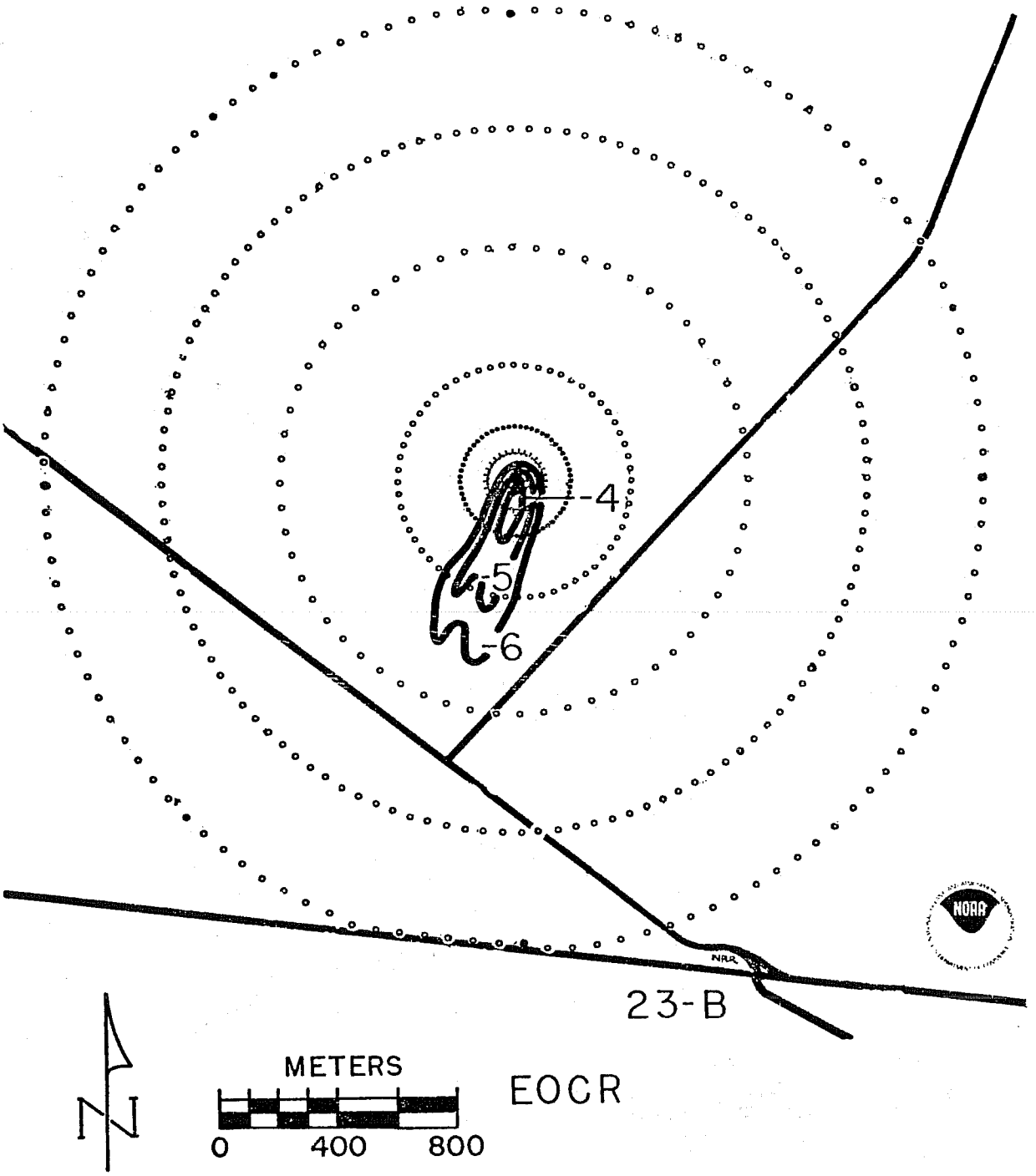
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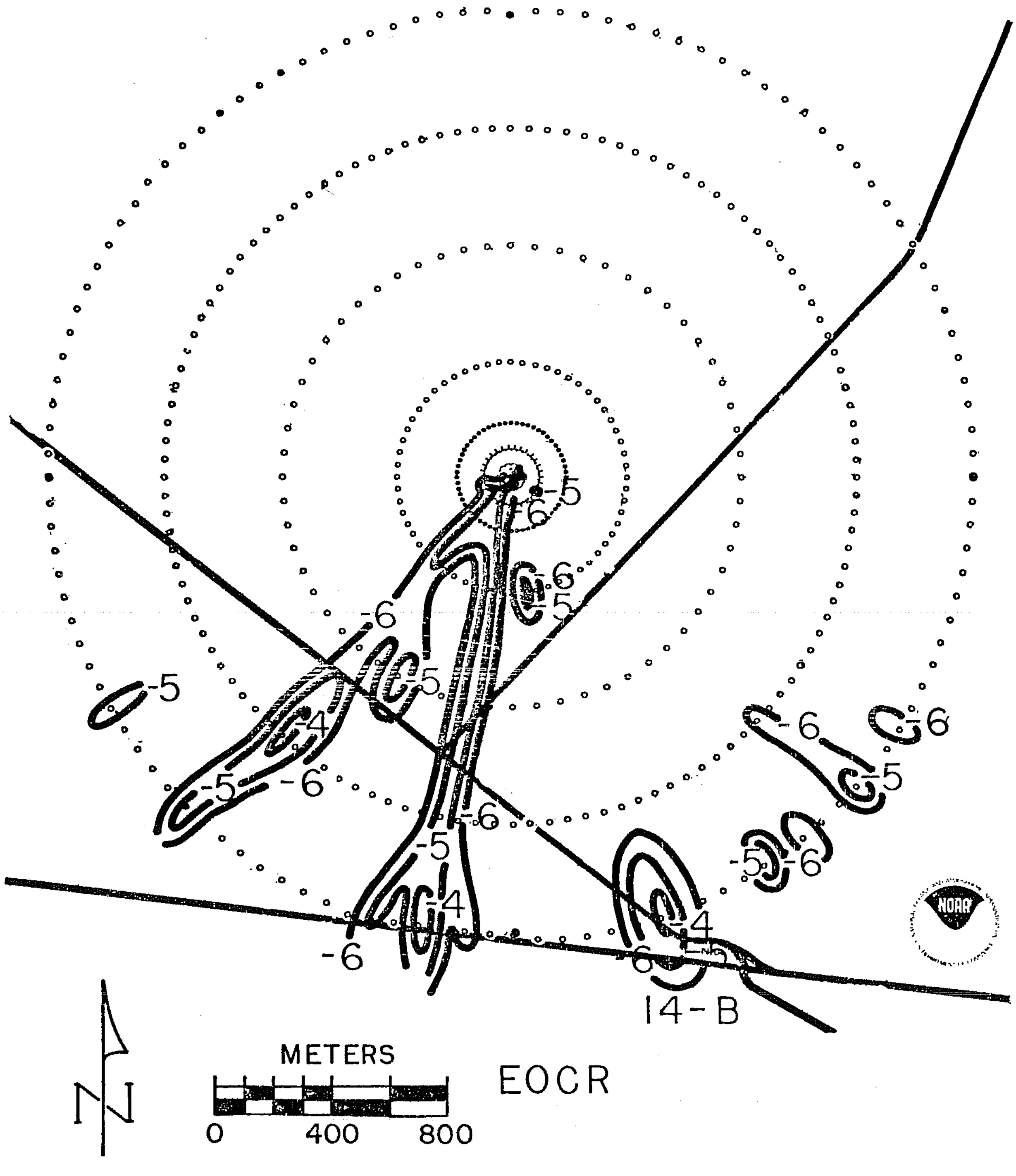

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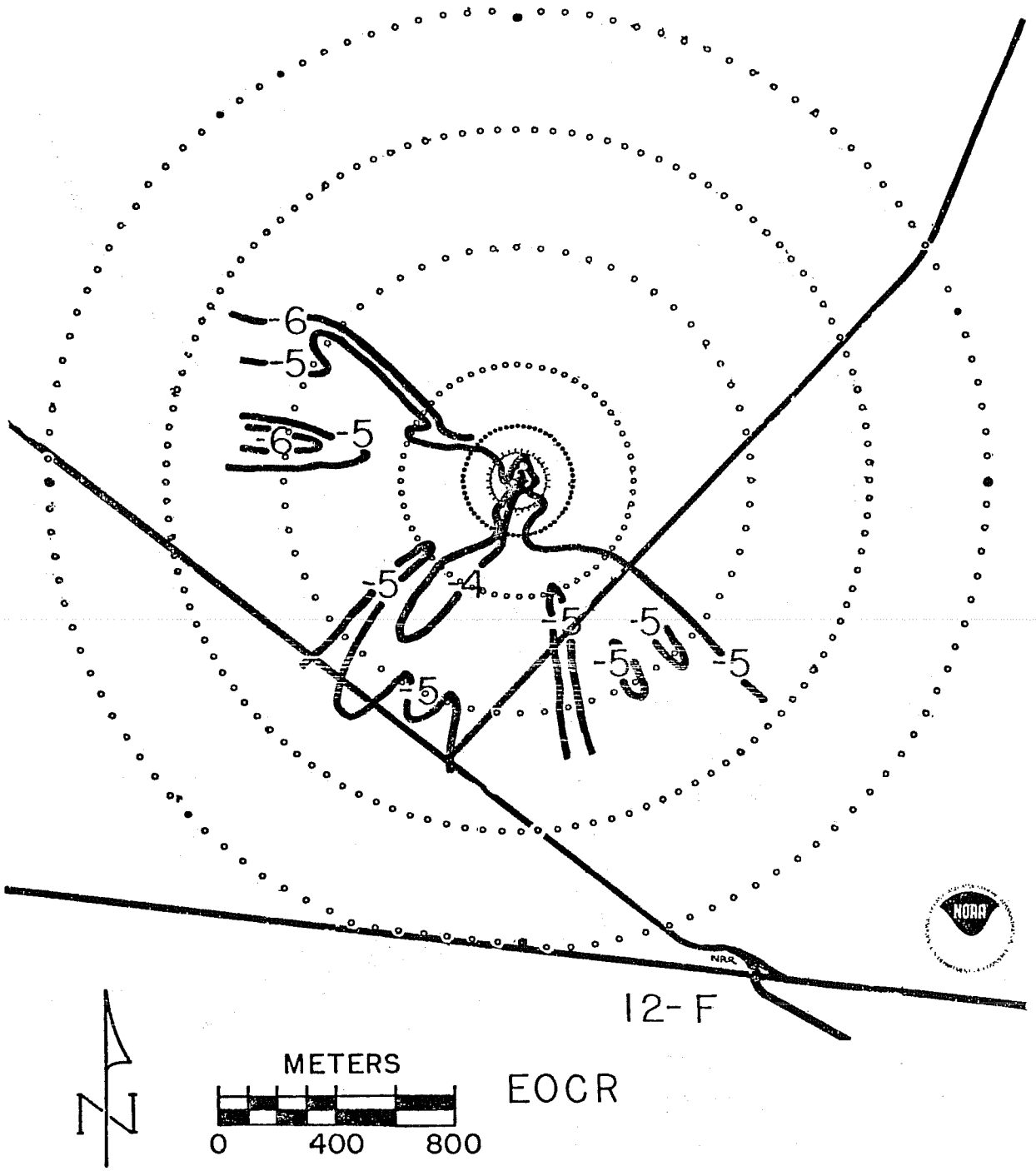
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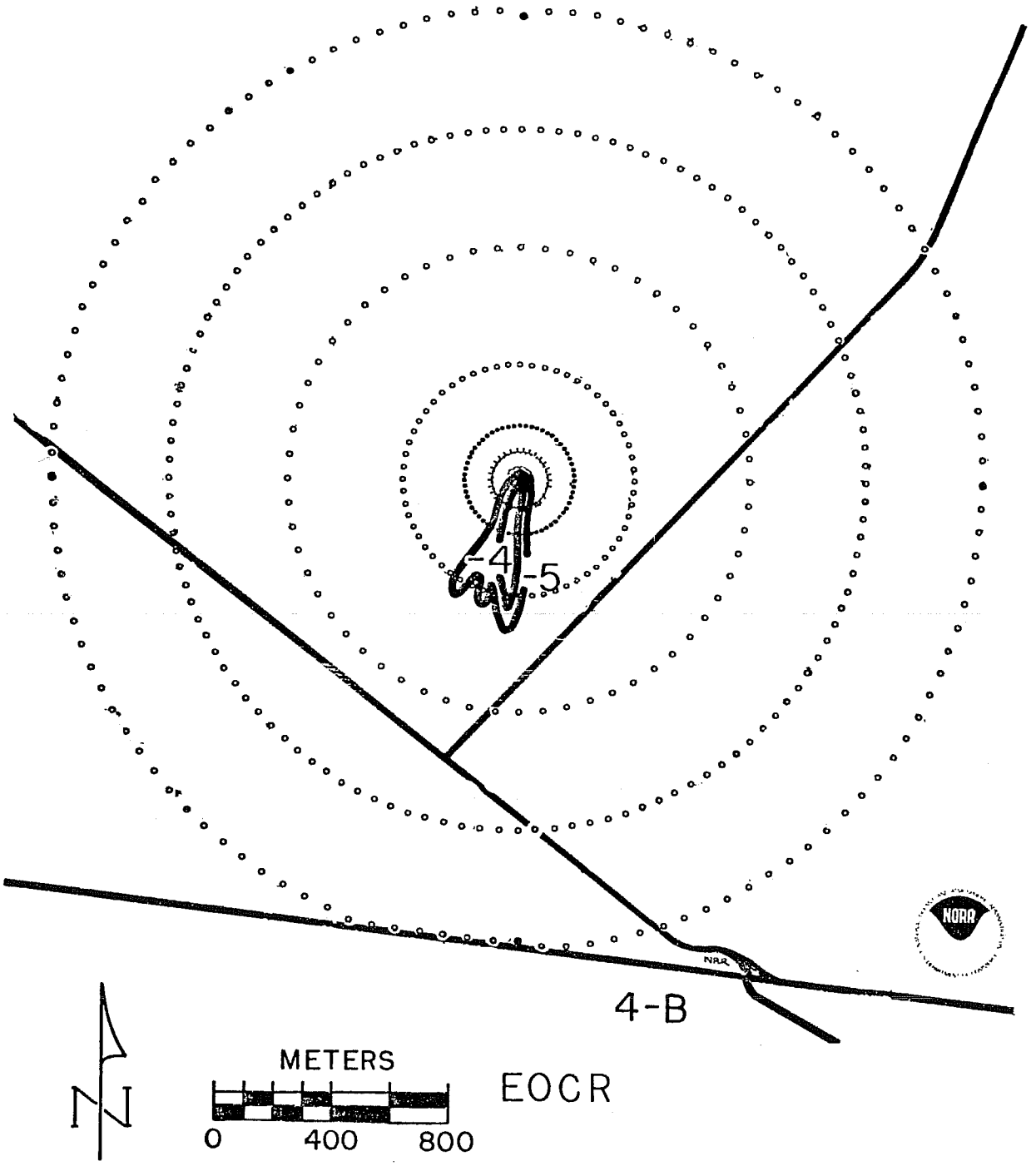
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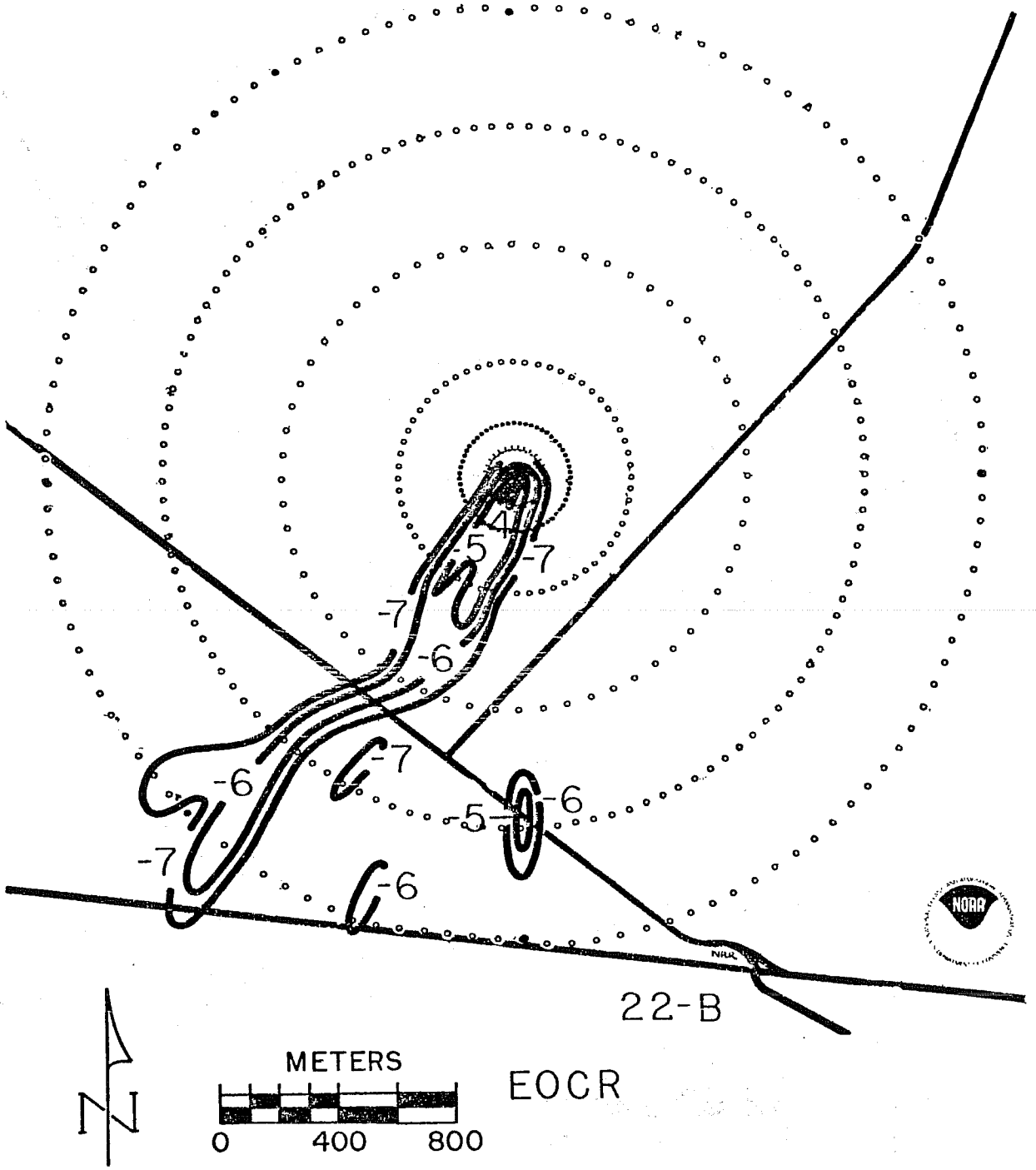
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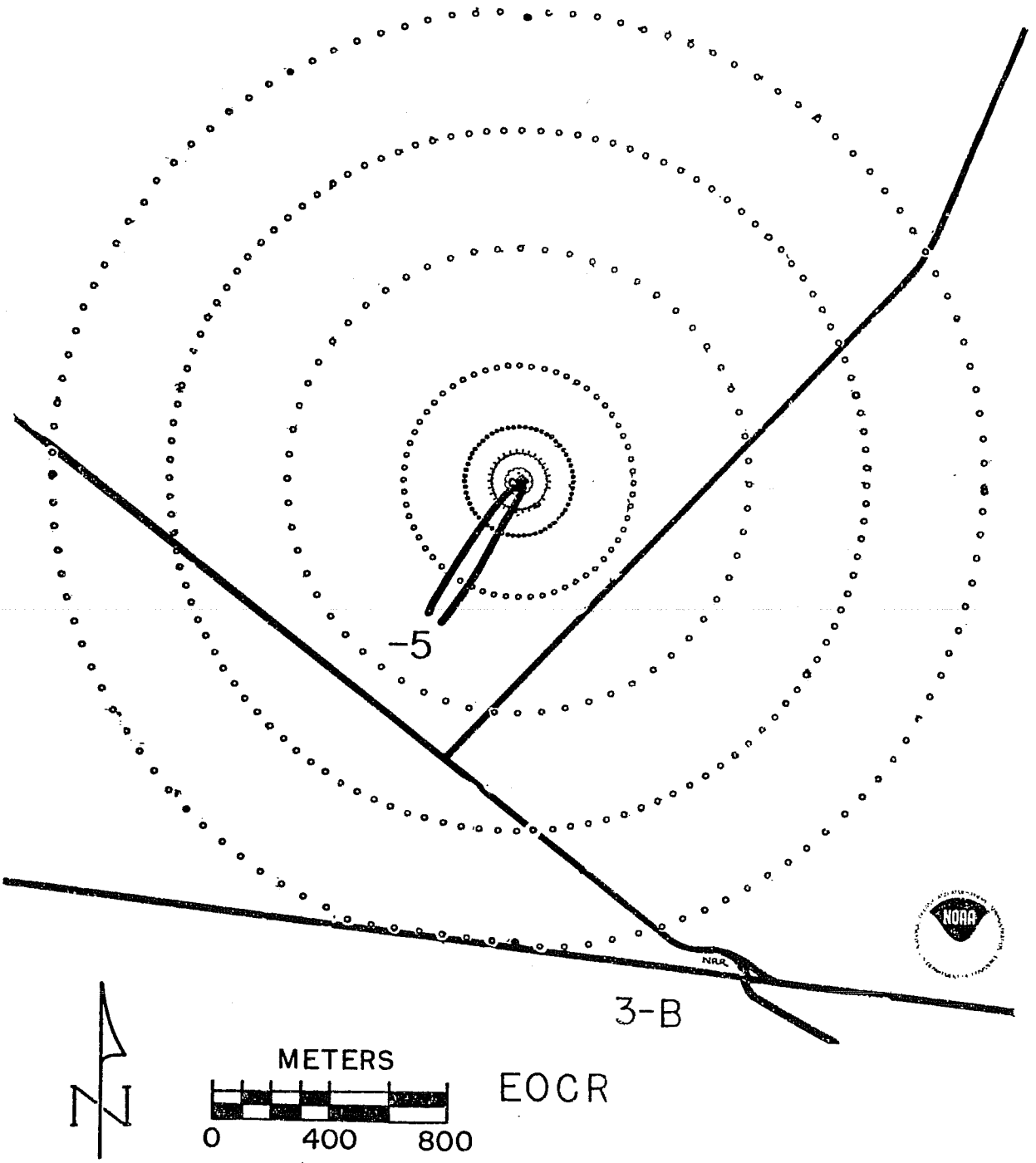
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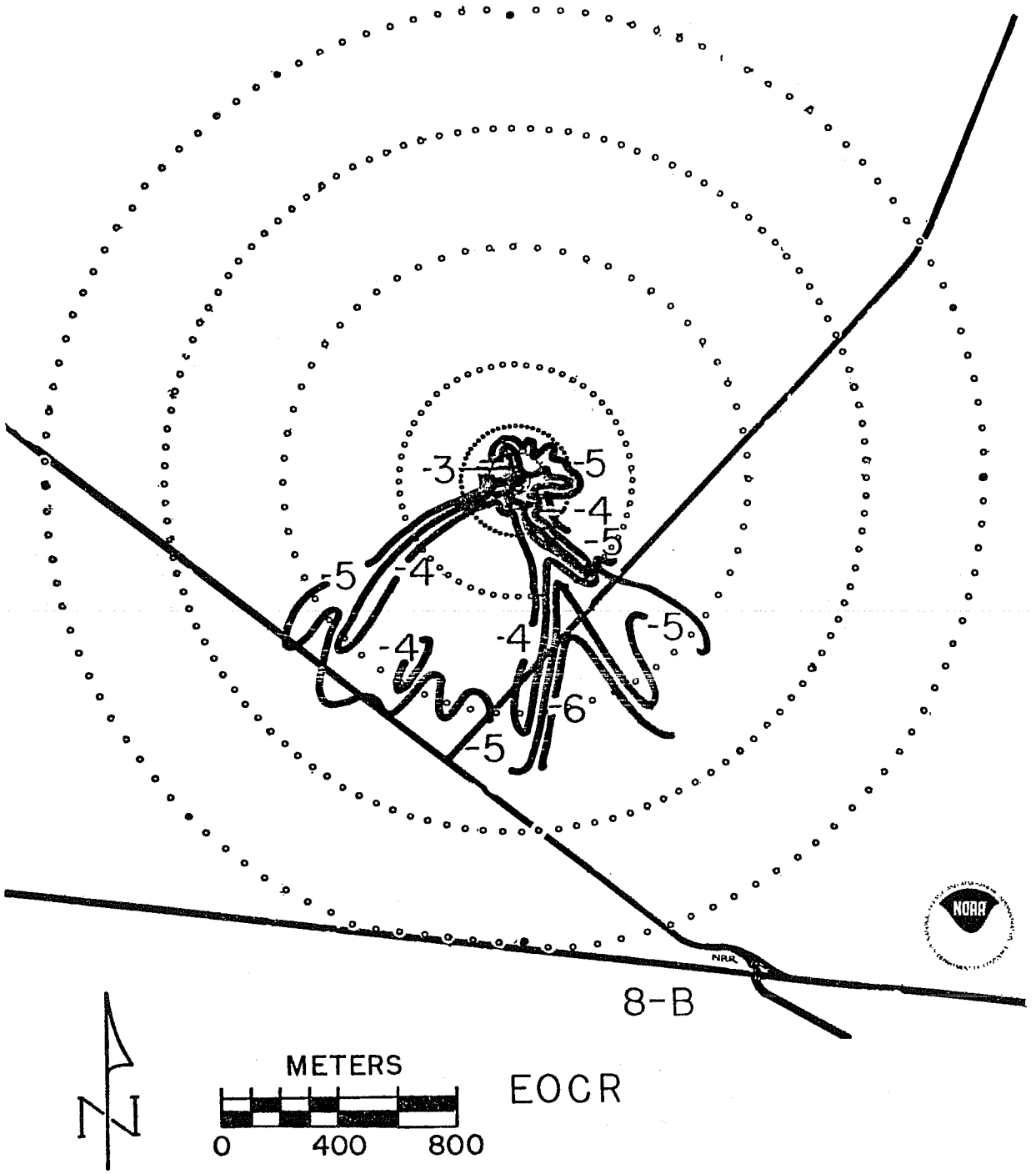
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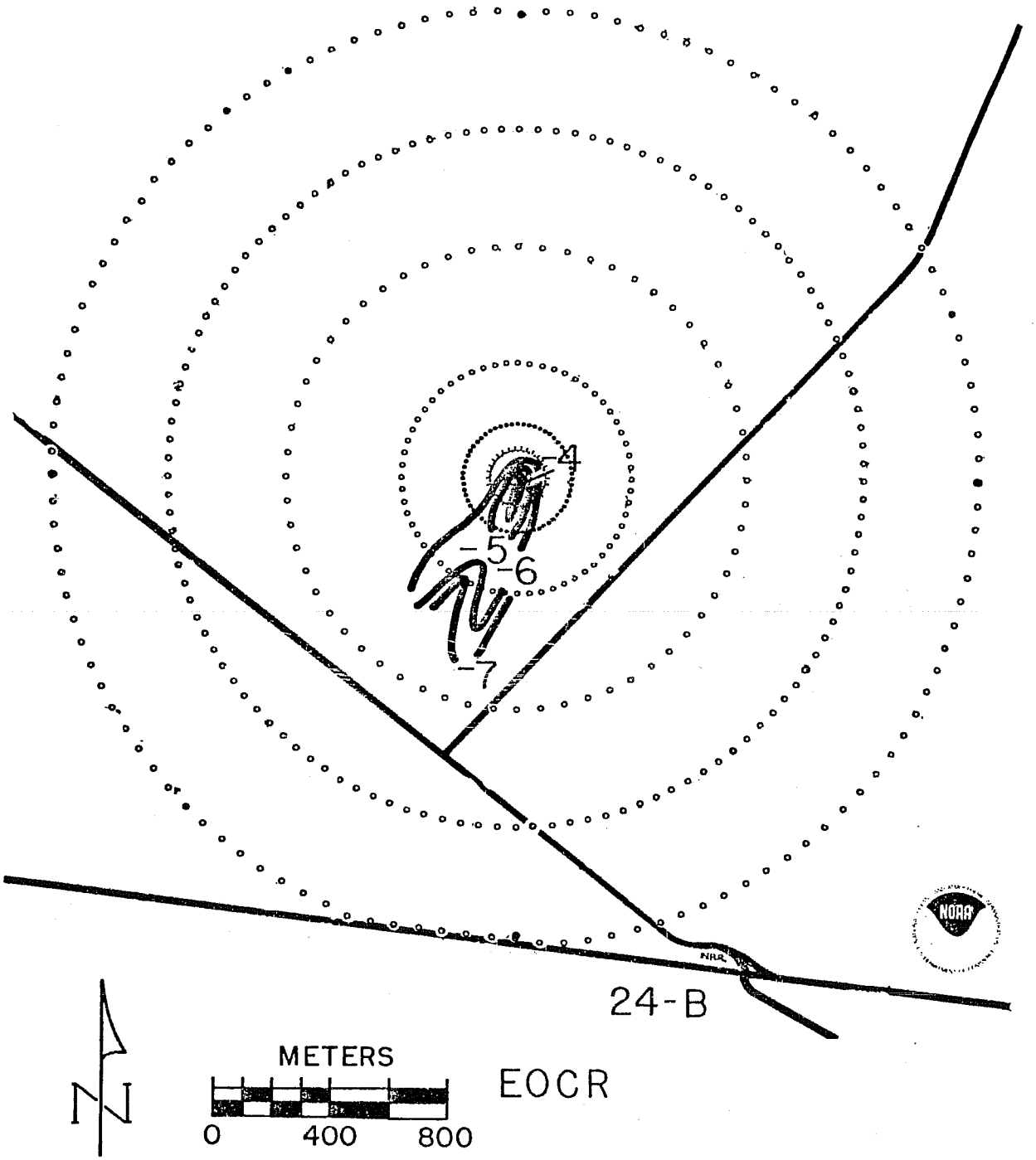
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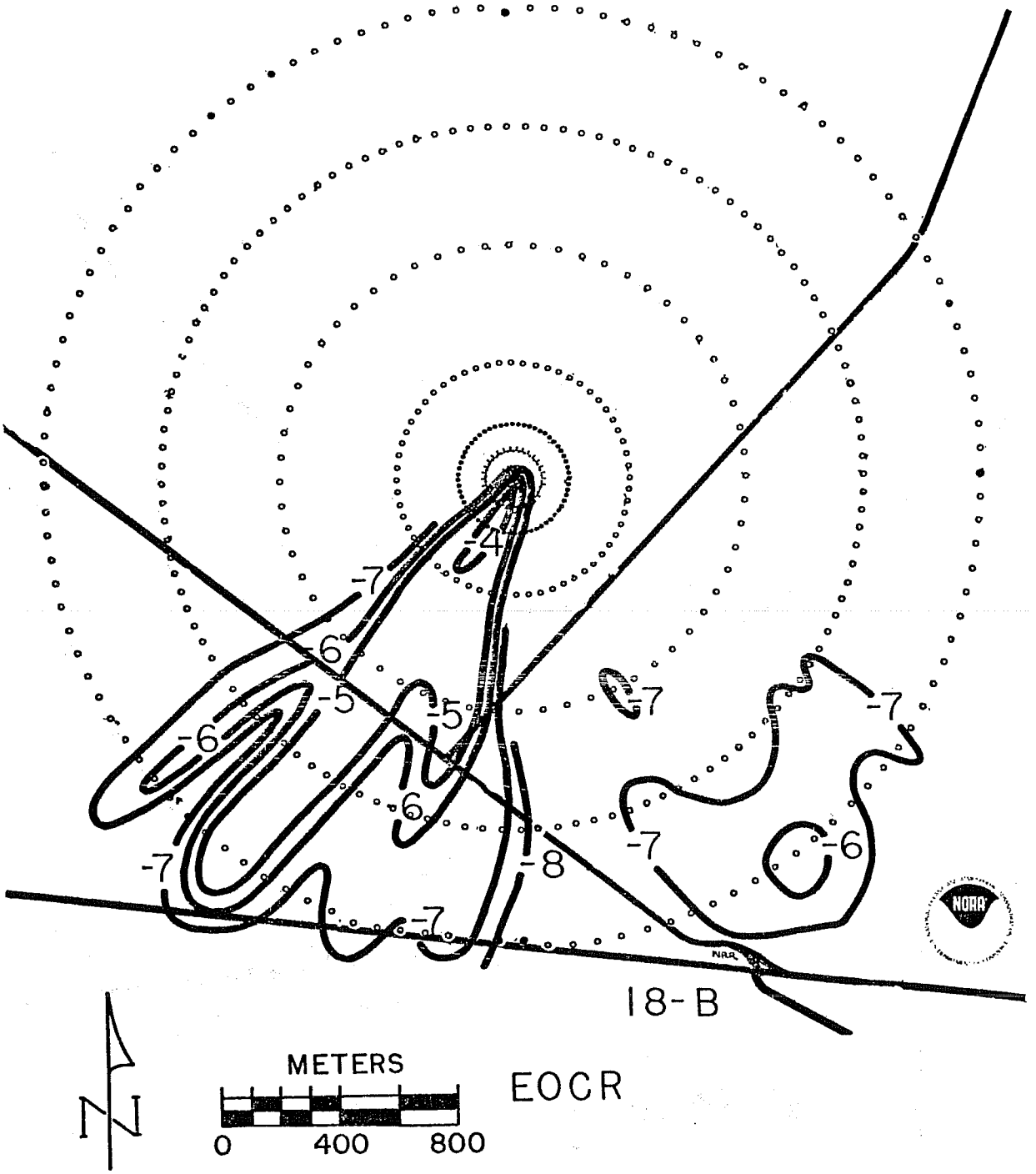
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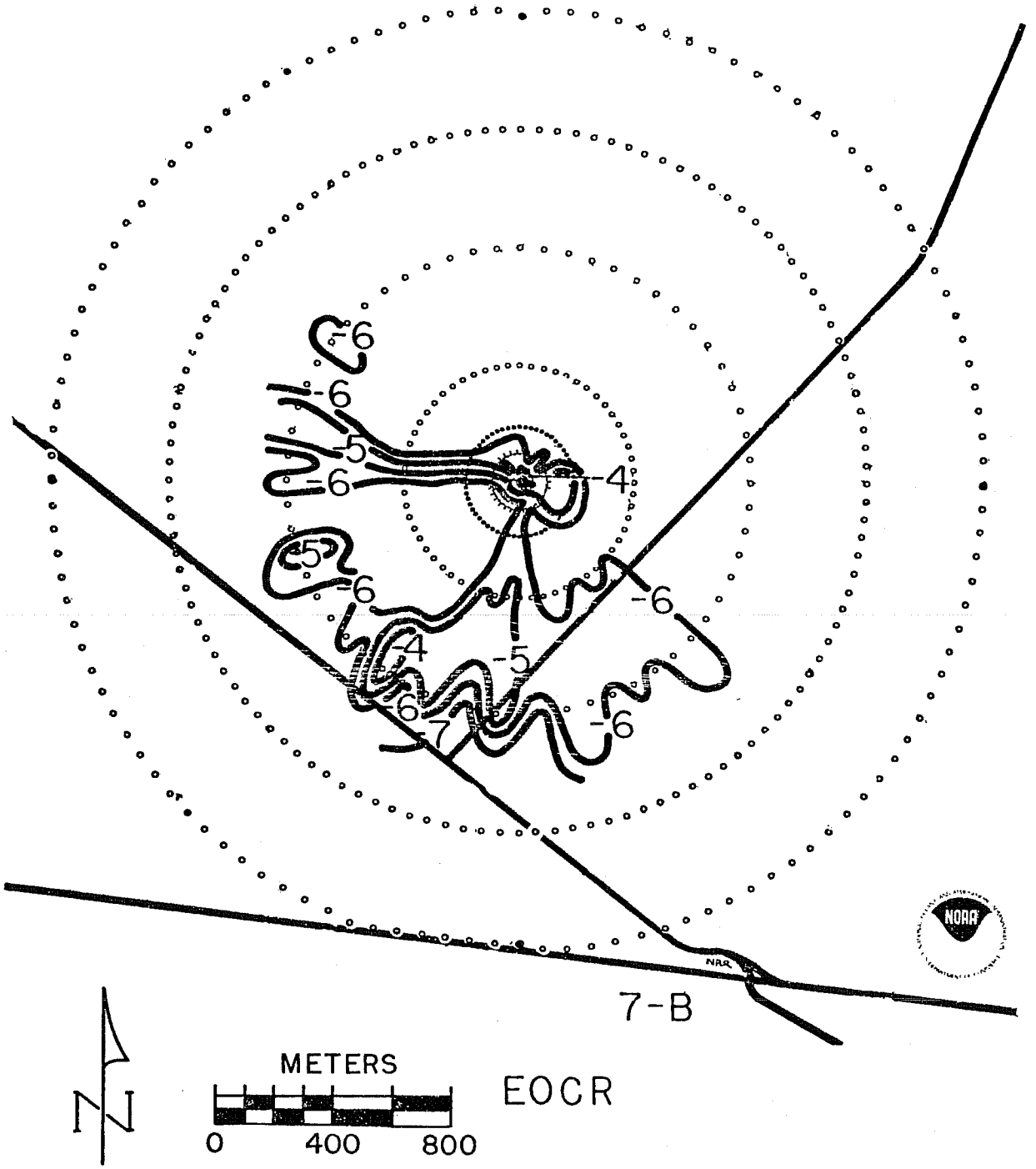
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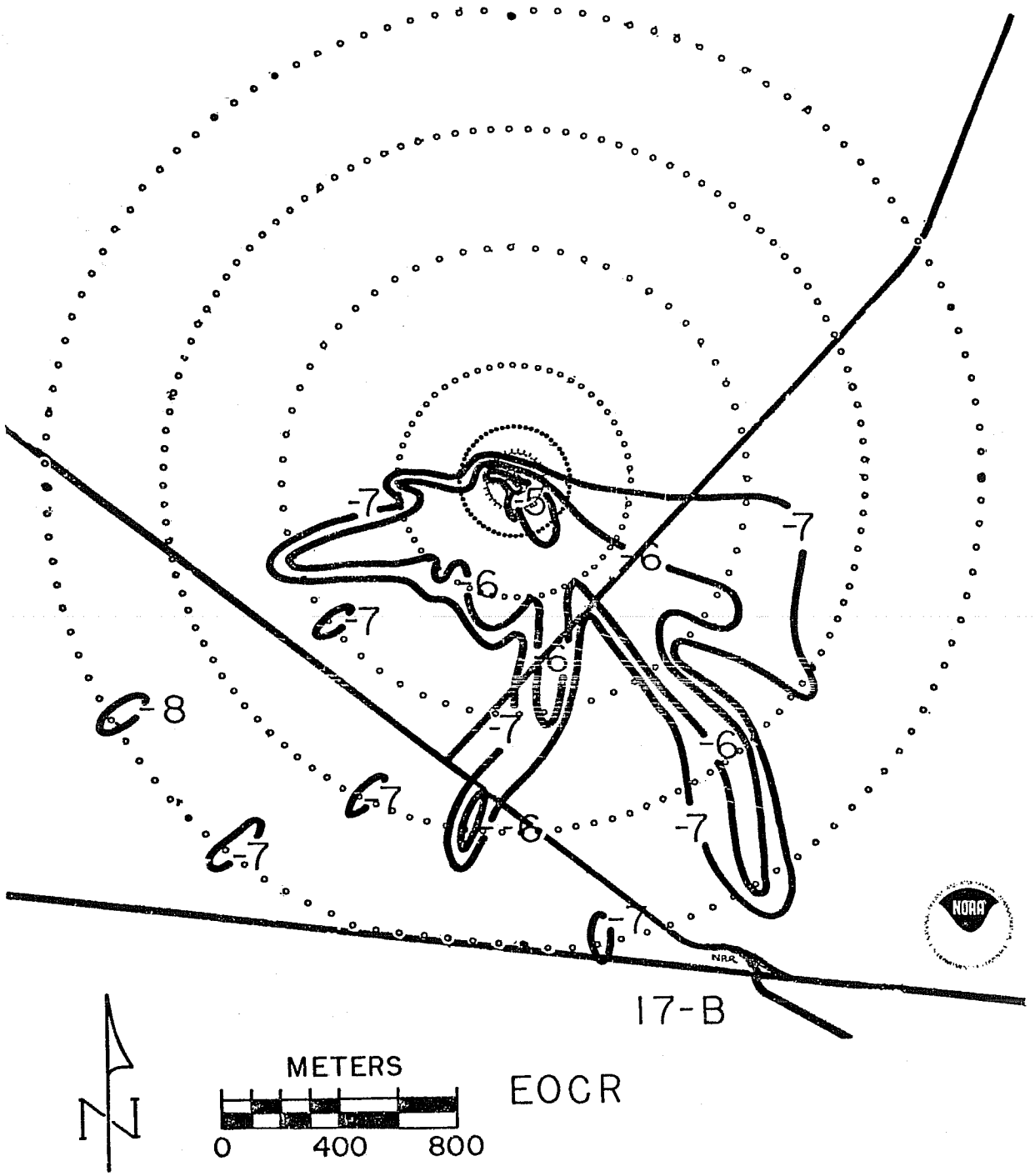
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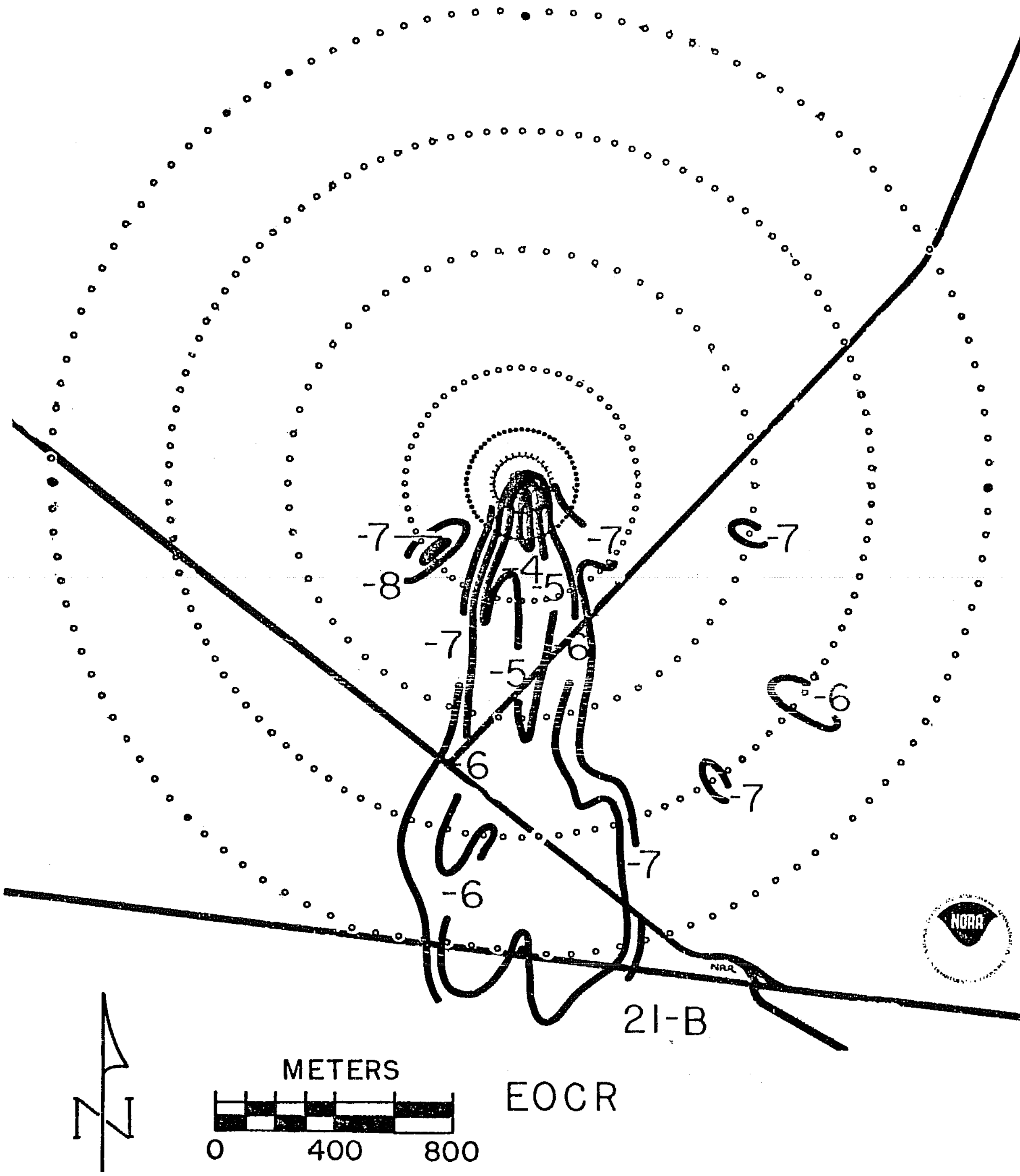

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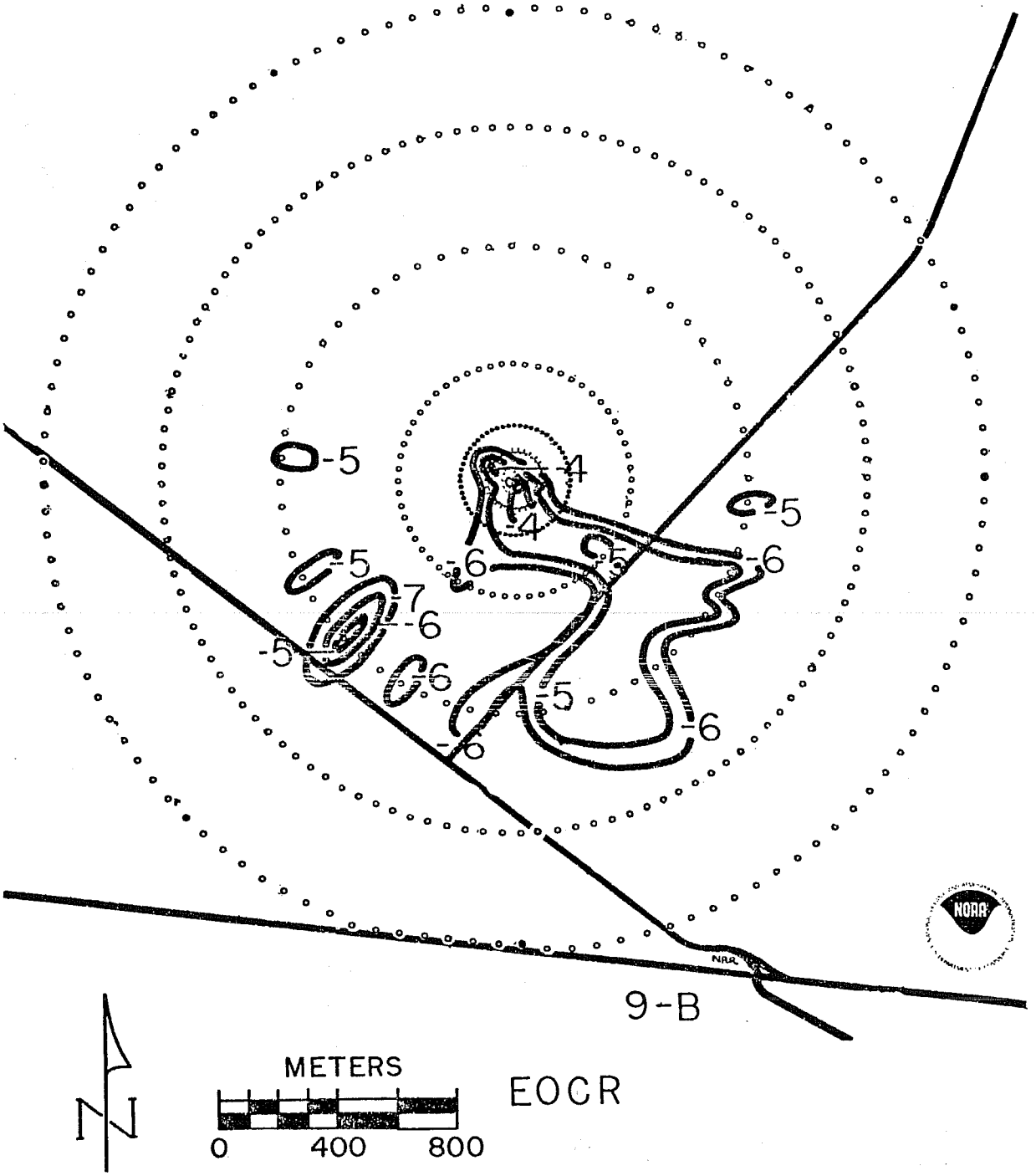
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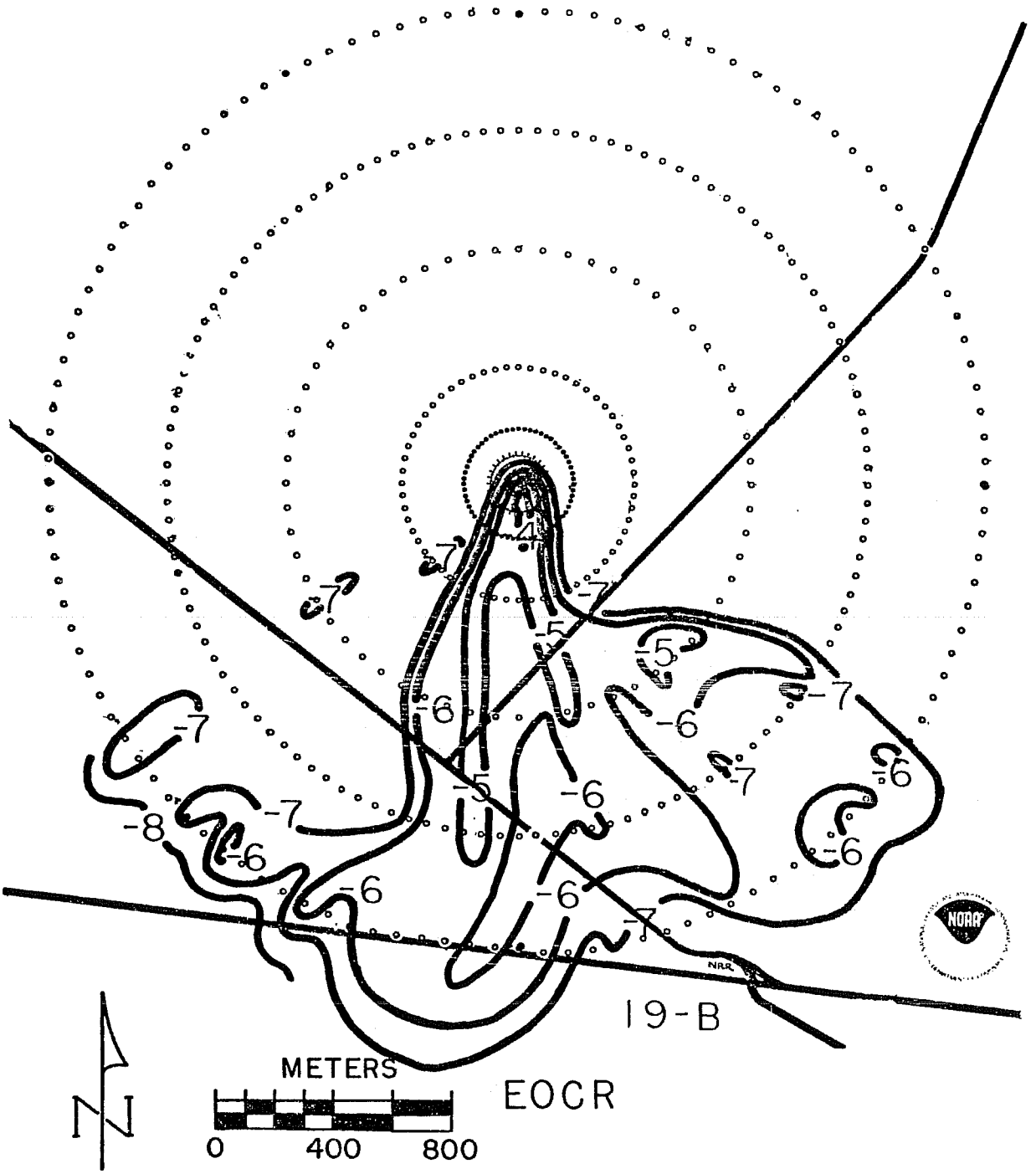
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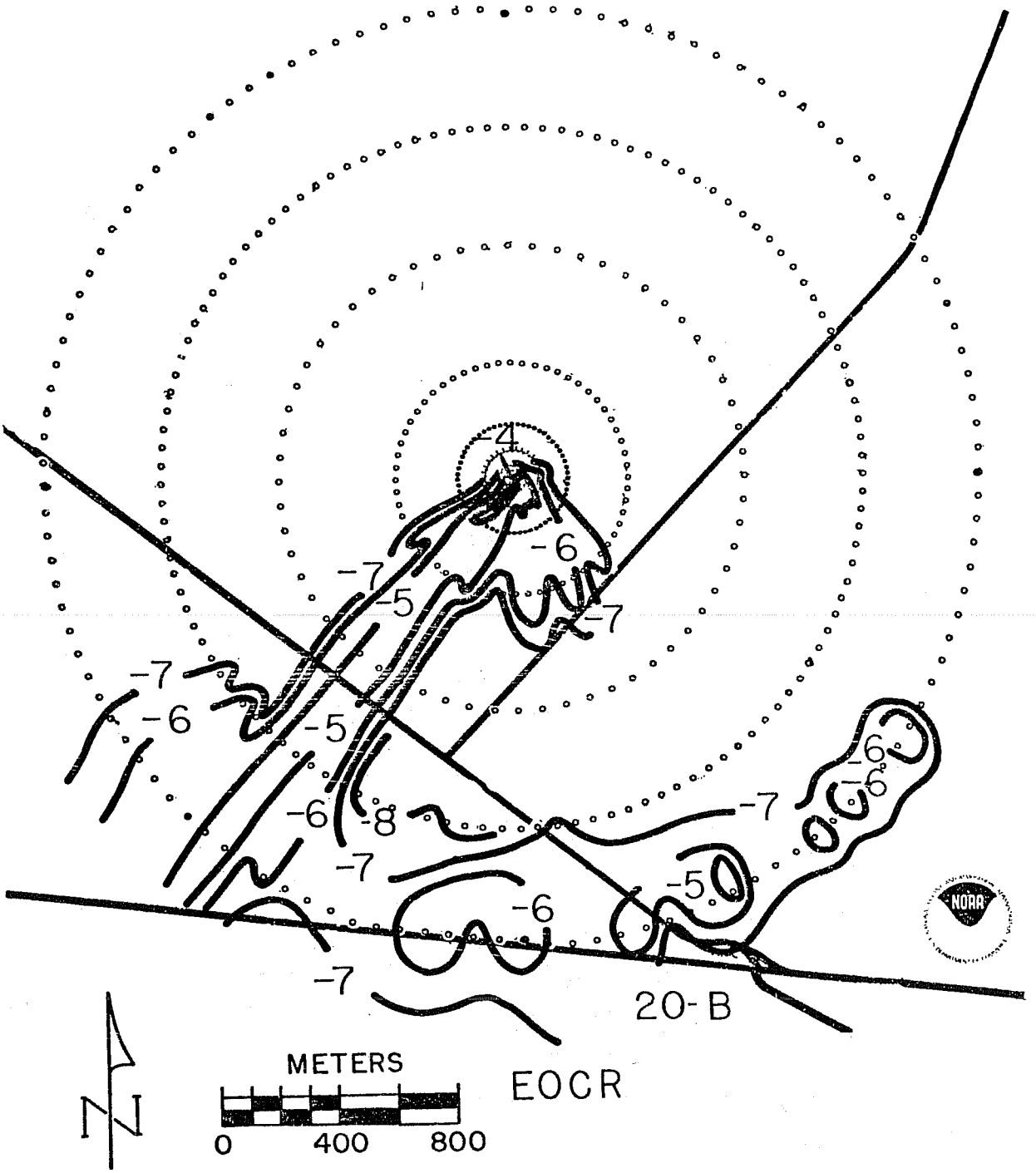
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METERS
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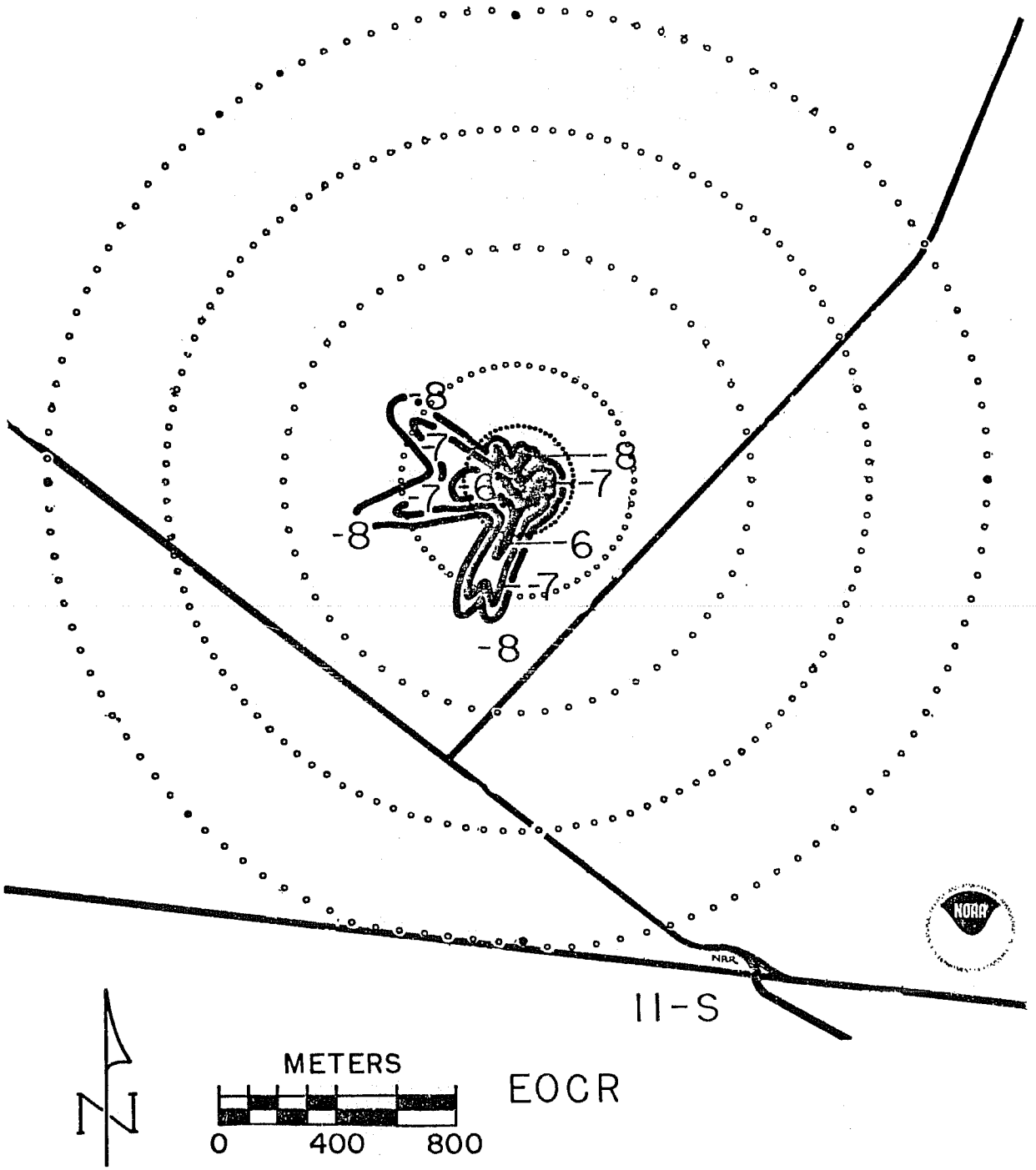
APPENDIX G: Stack Release Concentration Isopleths for Each Test..

Units are m^{-2}. Appendix D lists the individual values of concentration that form the basis for these isopleths. Figure 5 of the text depicts the site topography, which was considered during the isopleth analyses. Appendix A lists the temperature measurements that formed the basis for designating a stability category. Each sampler position in the 400 m, 800 m, 1200 m, and 1600 m arcs is shown. Isopleth analyses are ordered in the sequence shown in table G-1. Stability class A figures are given first and plots are ranked by windspeed; the lowest windspeed is first.

Table G-1. Stability and Windspeed Ordering of Isopleth Analyses.

Stability	Test Number	Windspeed 30 m (m/sec)
A	11	1.5
A	13	2.1
A	10	3.8
A	5	9.0
D	6	2.8
D	16	3.7
D	15	4.9
E	23	3.3
E	14	3.4
E	12	3.5
E	4	4.4
E	22	4.7
F	3	1.3
F	8	1.8
F	24	3.2
F	18	6.9
G	7	0.7
G	17	2.5
G	21	4.0
G	9	4.1
G	19	4.5
G	20	5.6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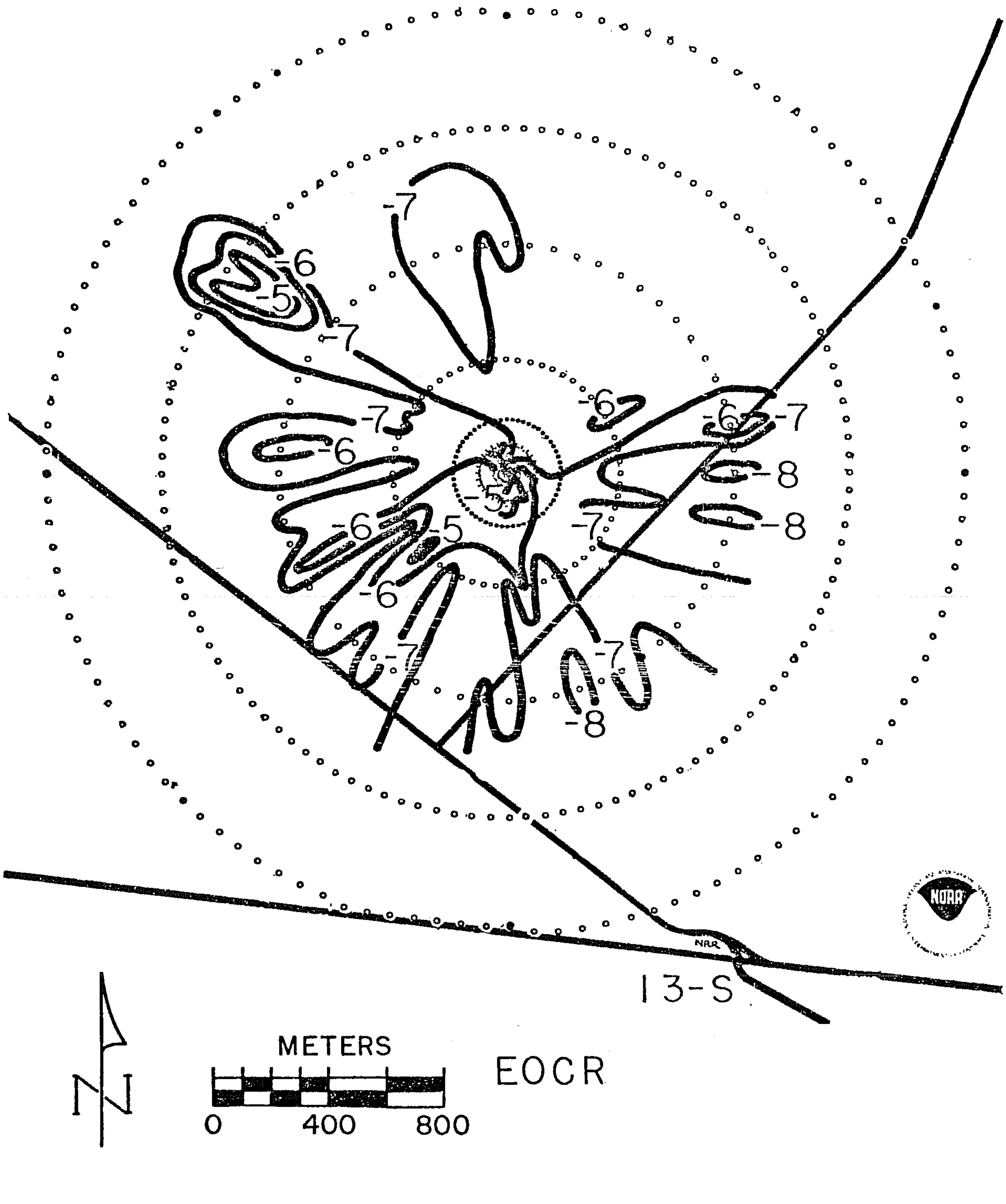
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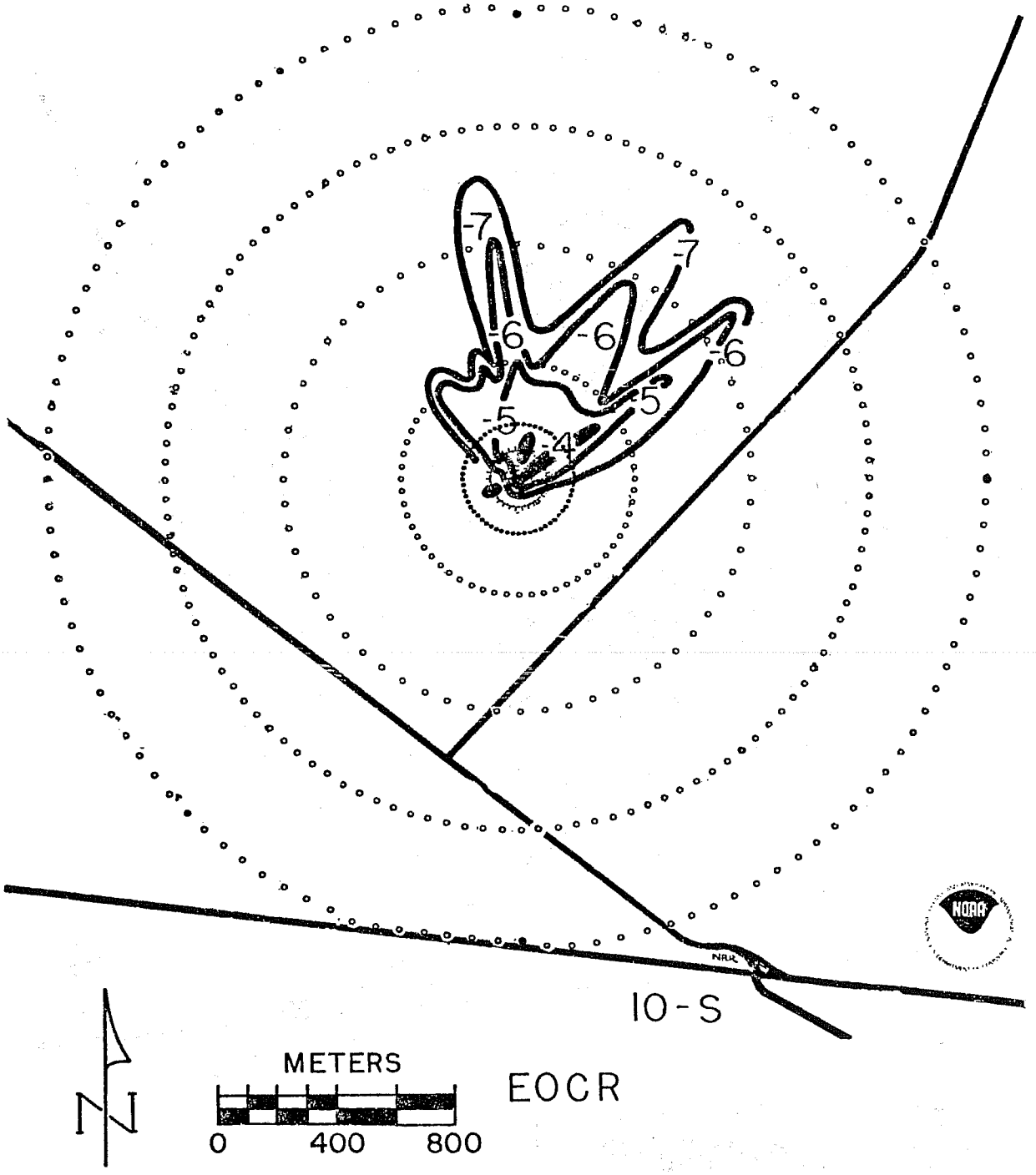
EOCR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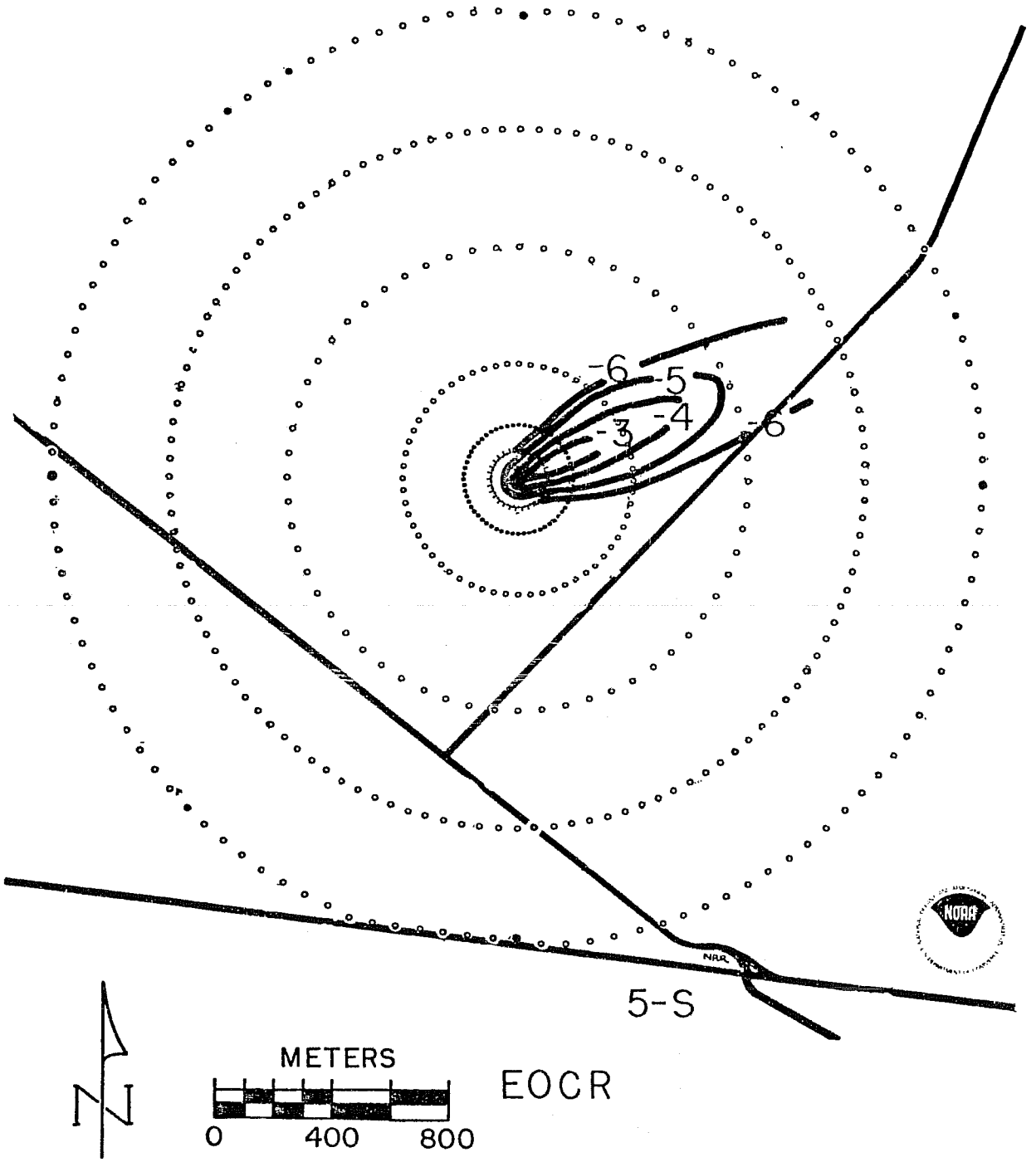
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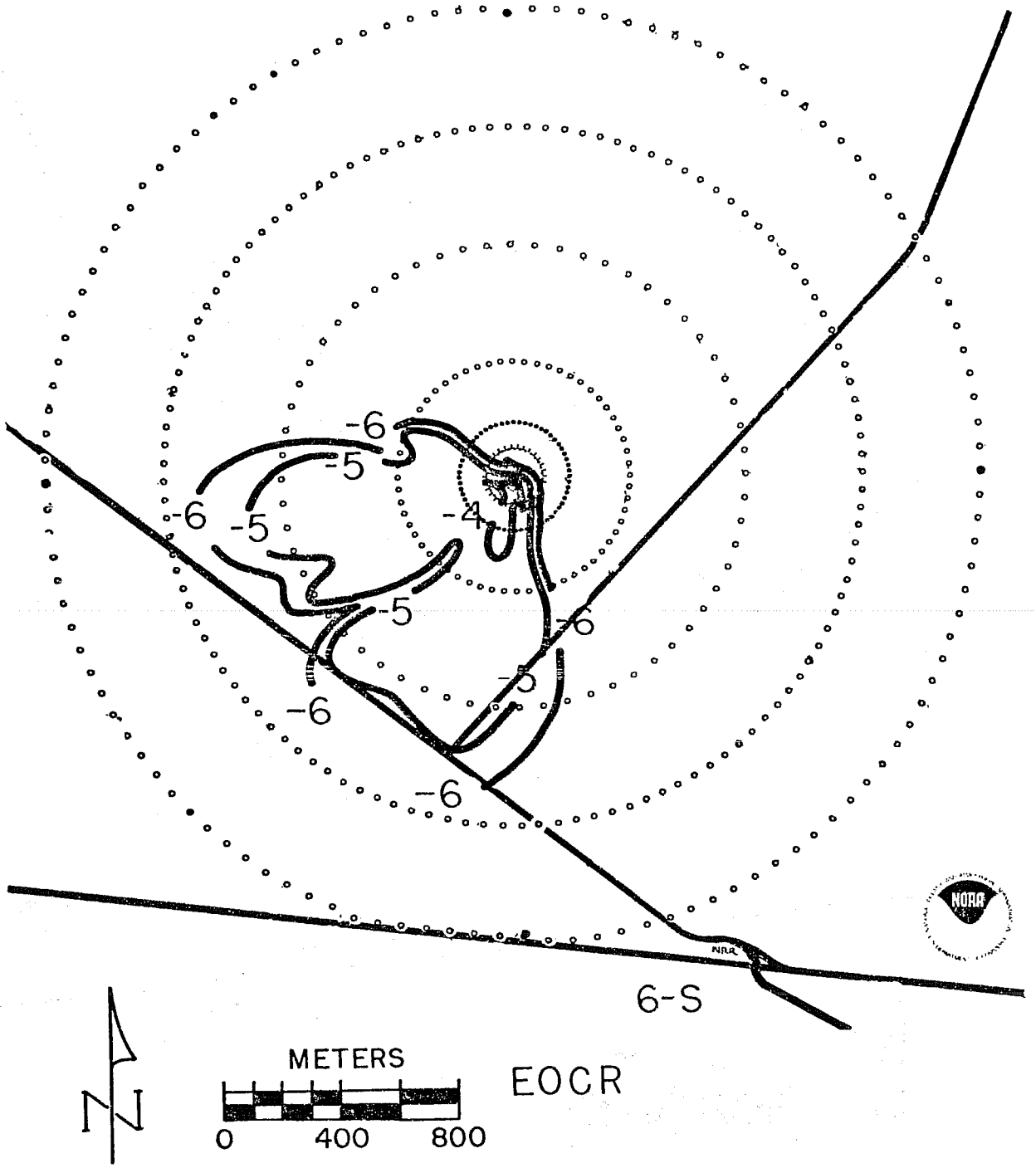
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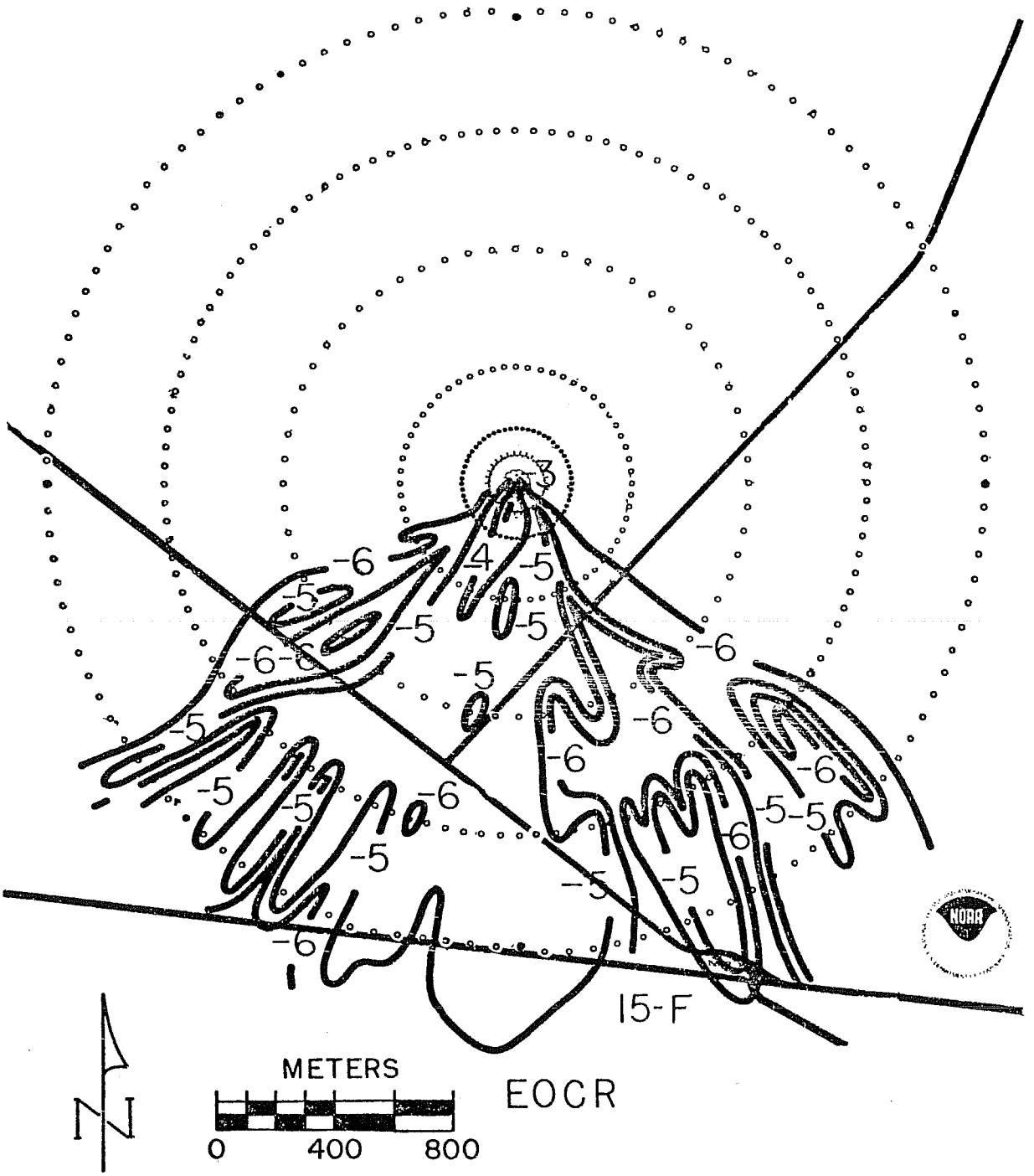
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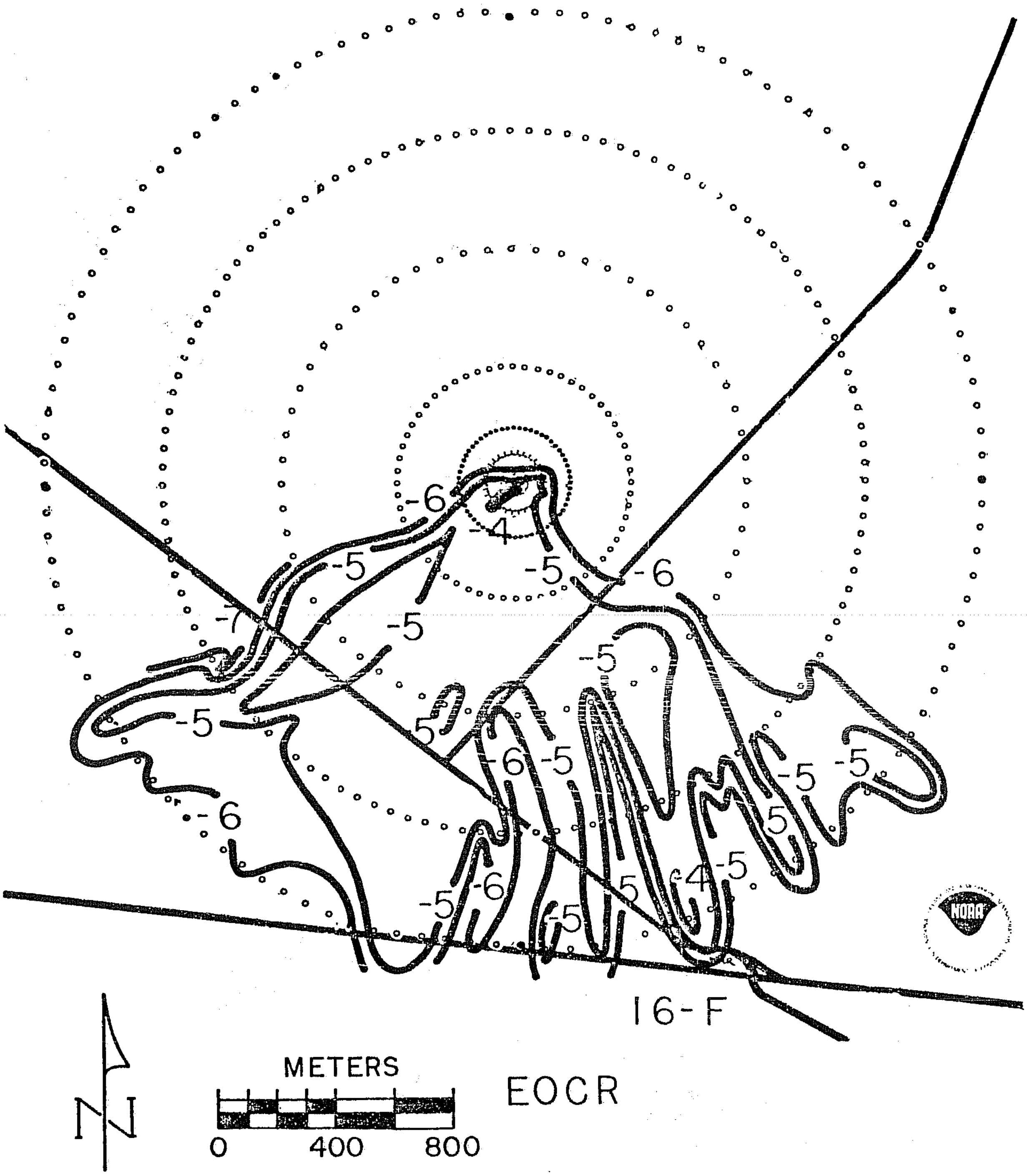
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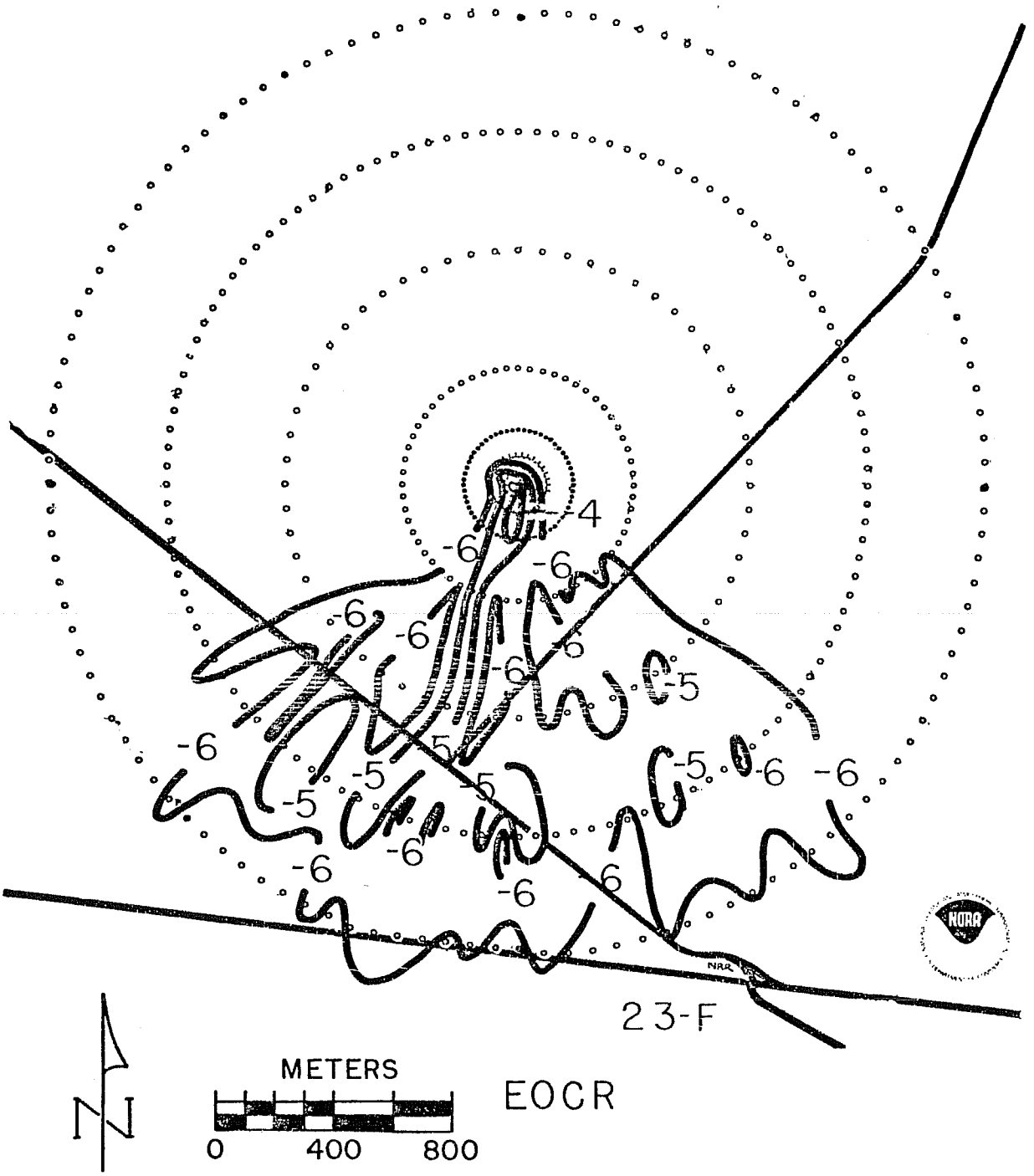
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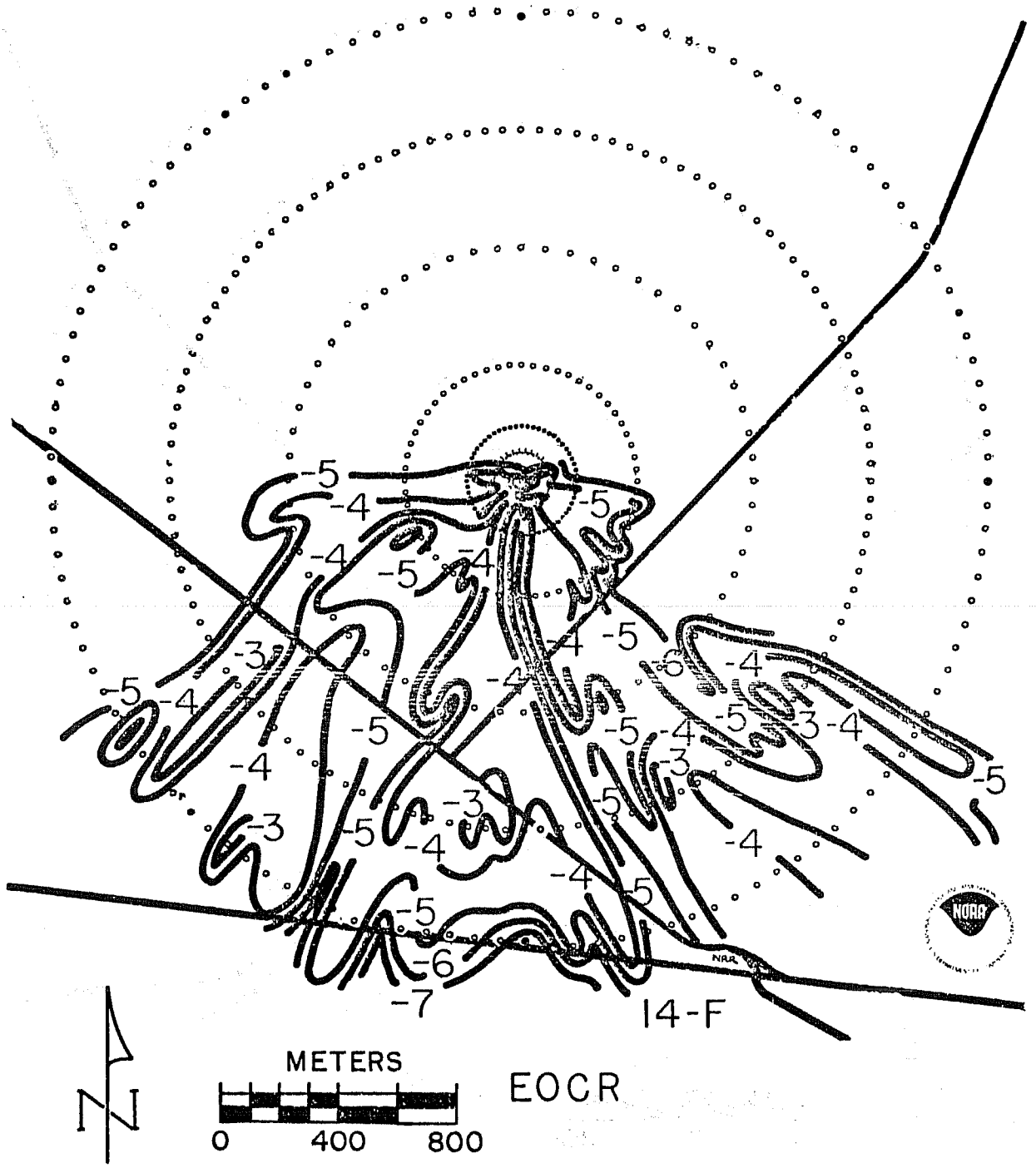
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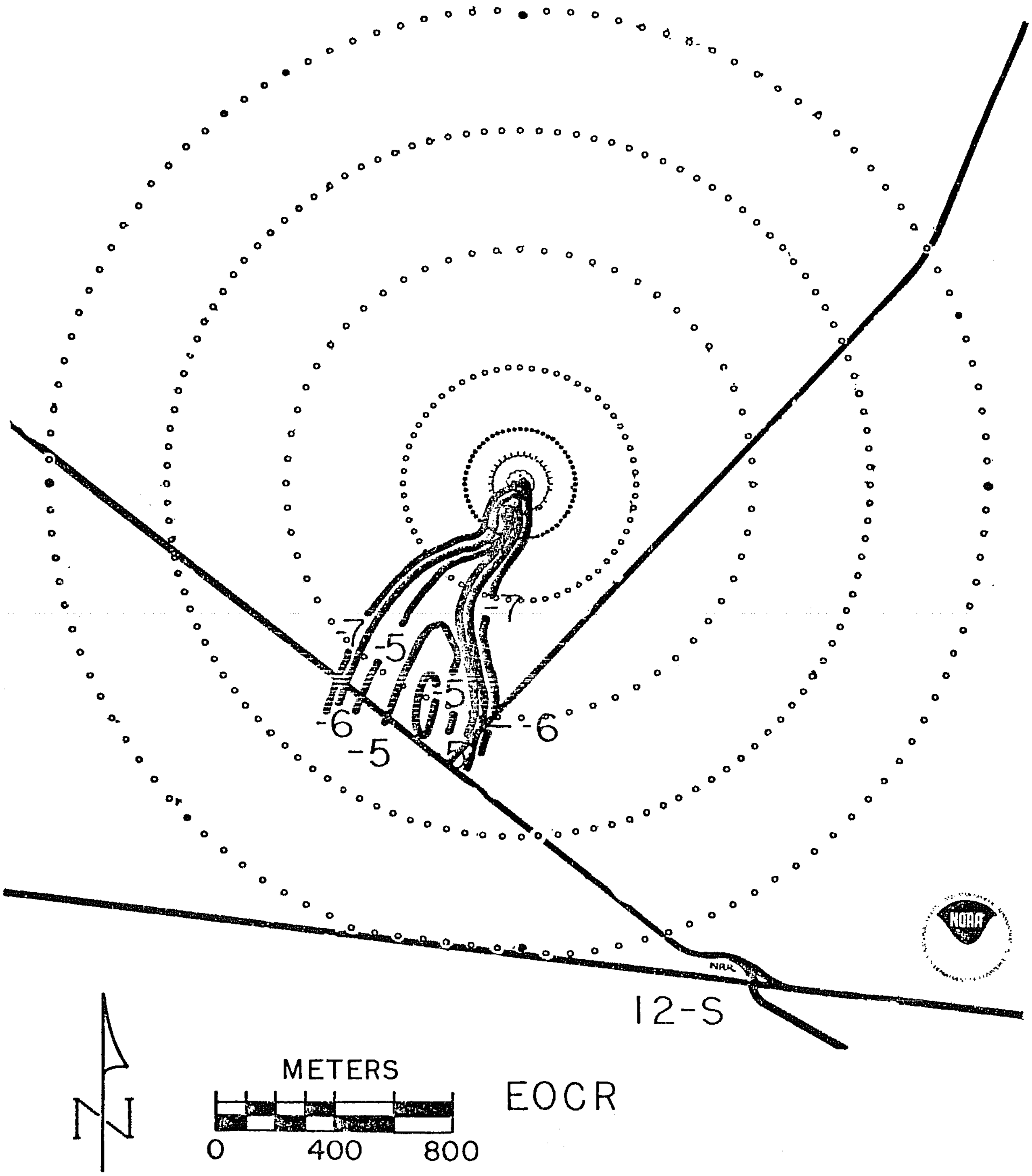

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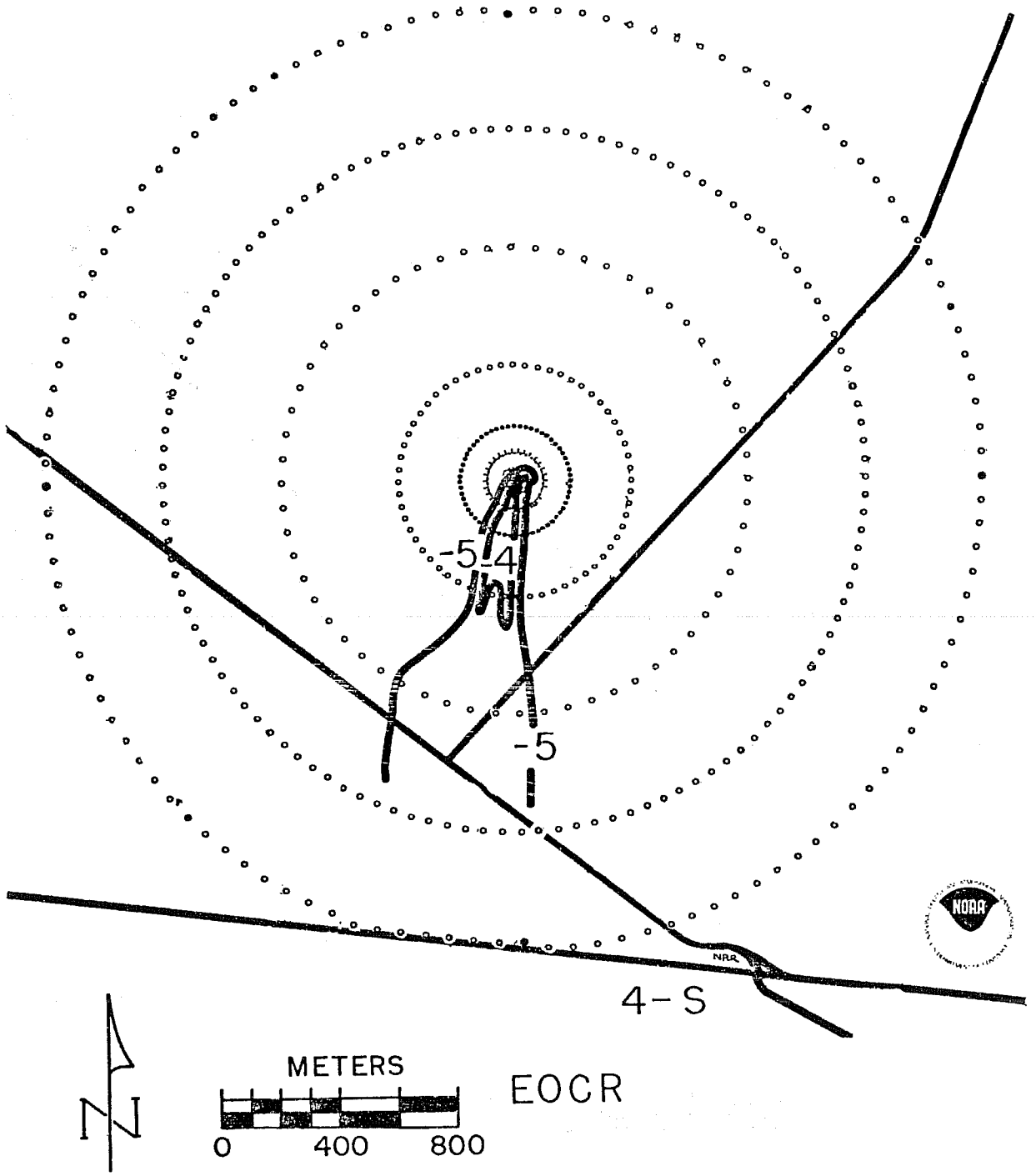
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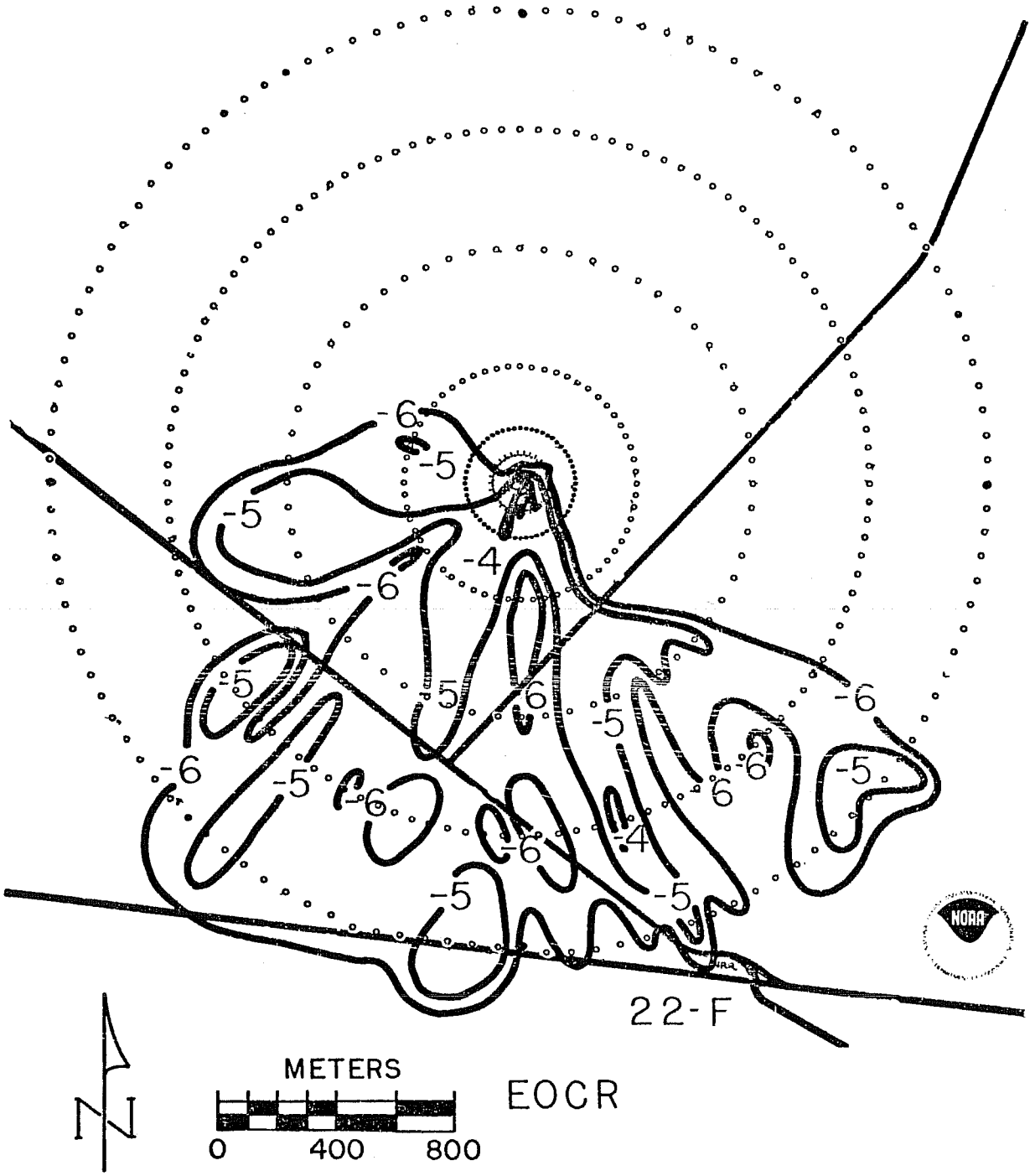
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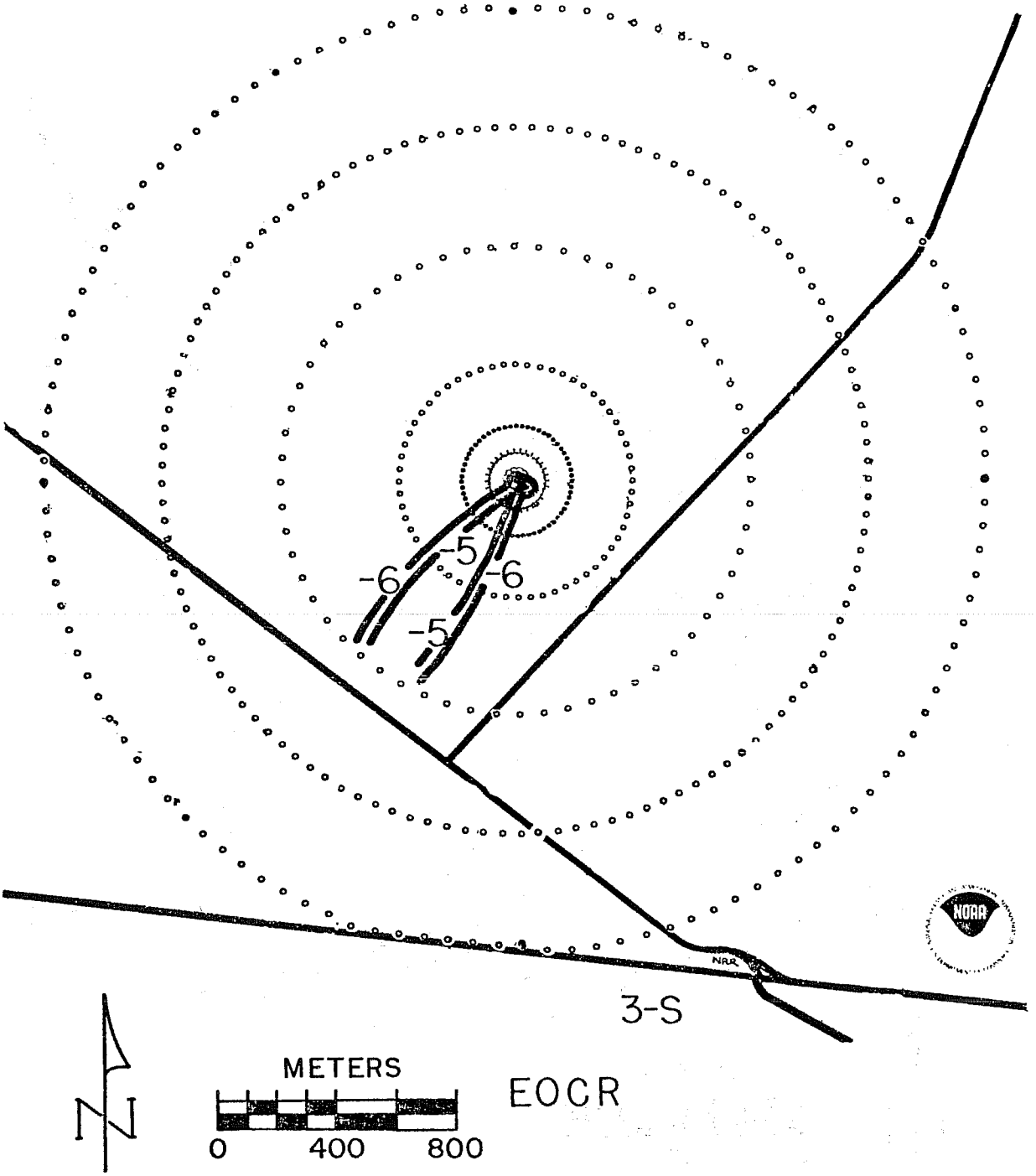
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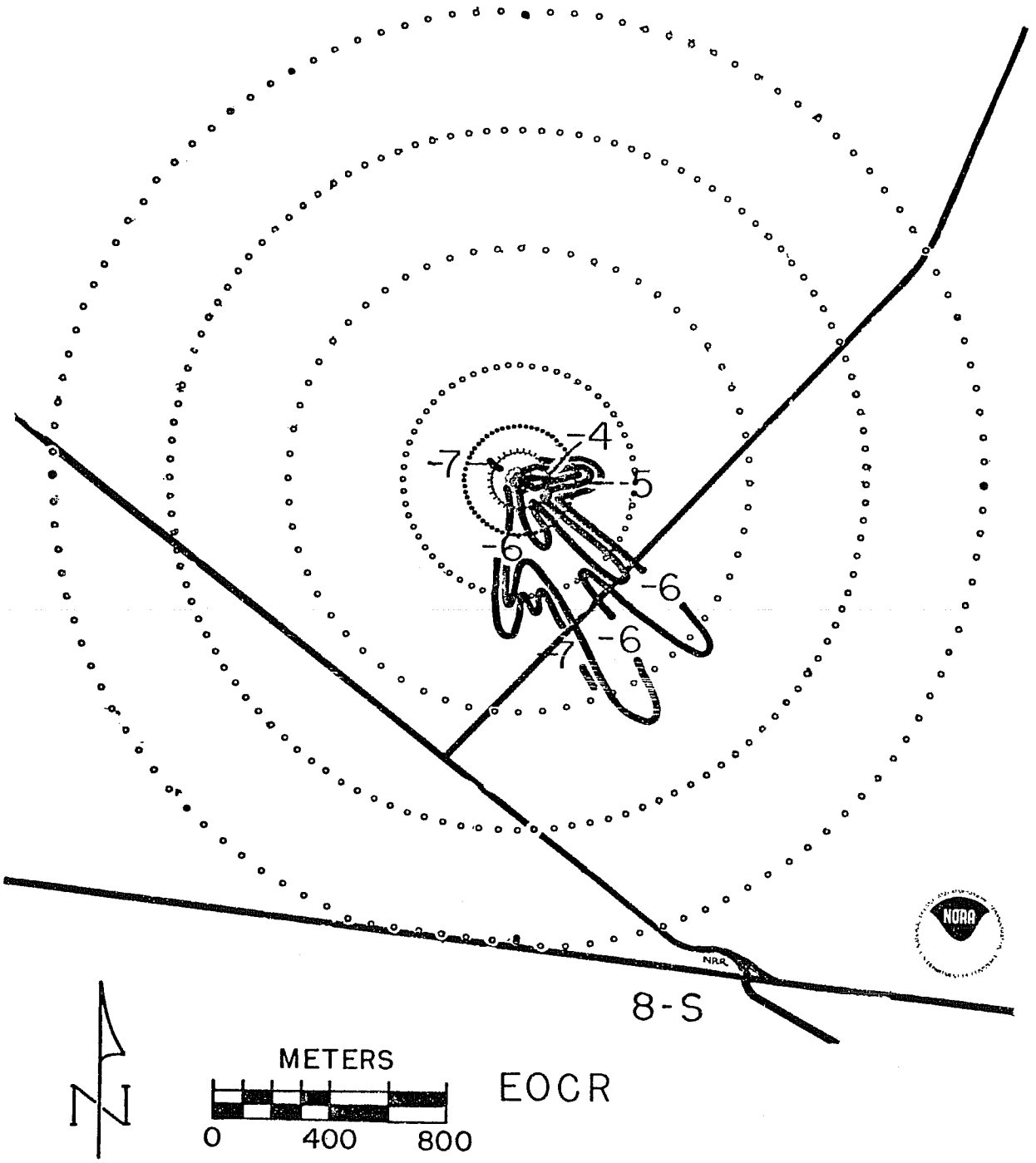
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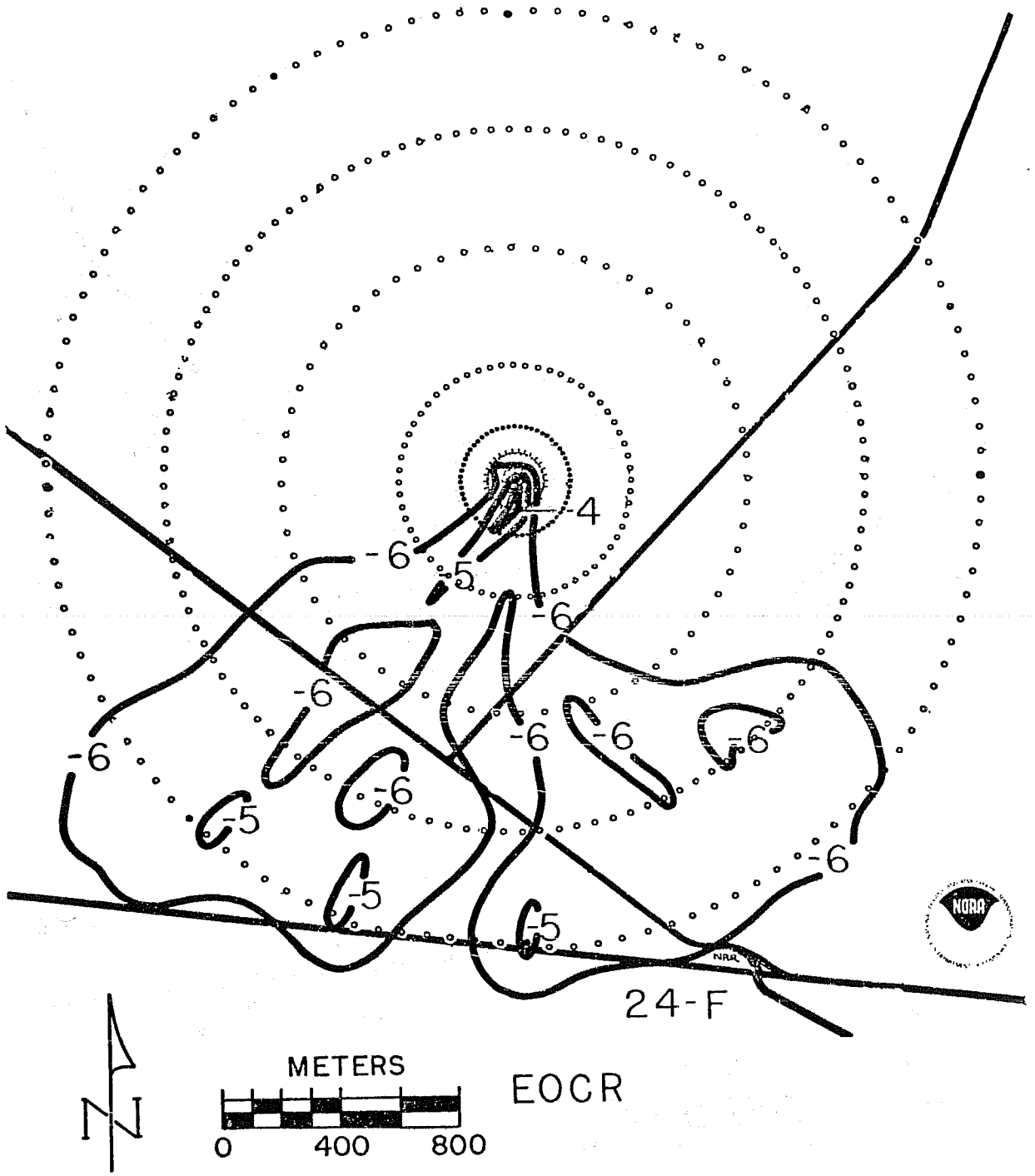
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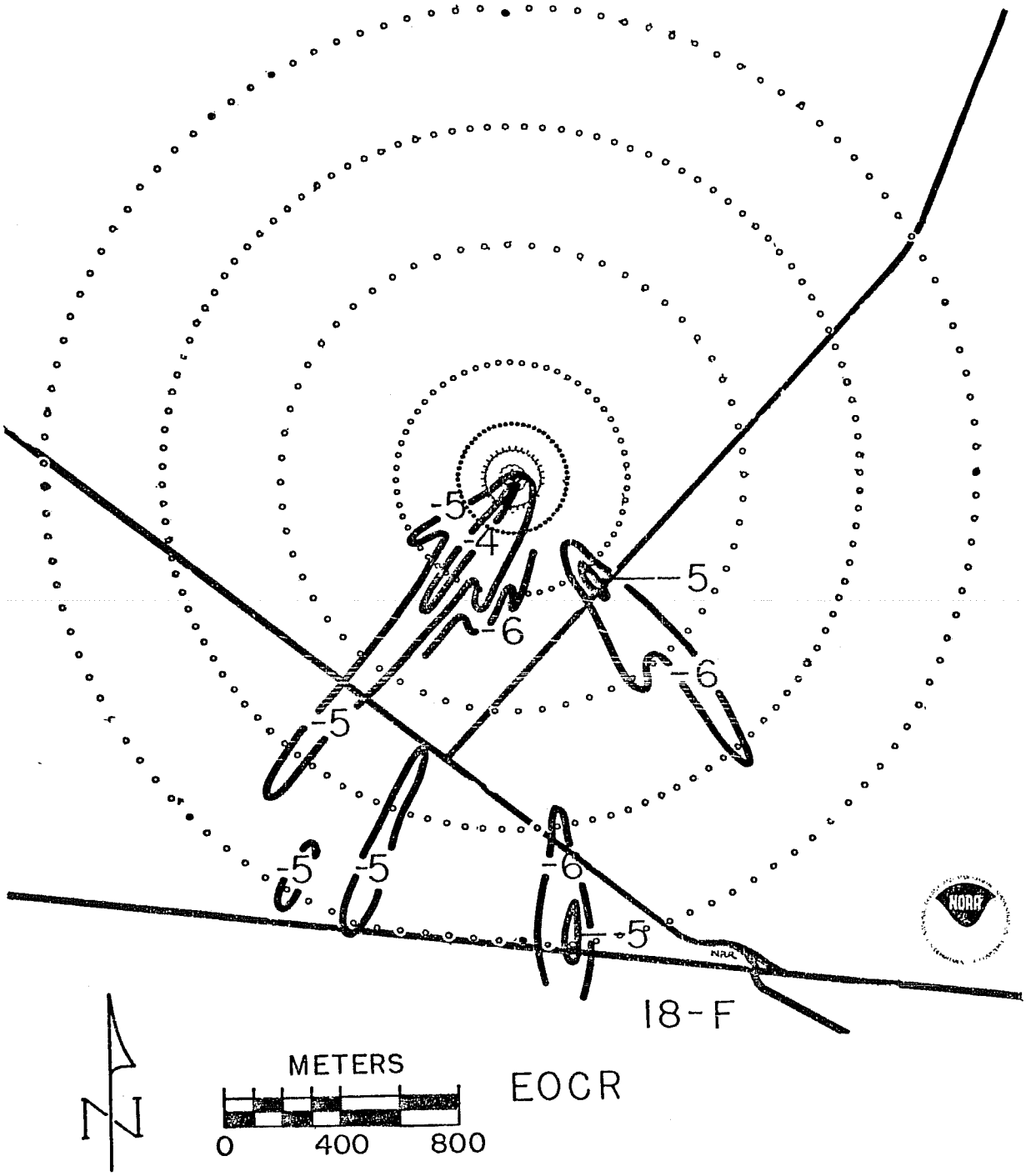
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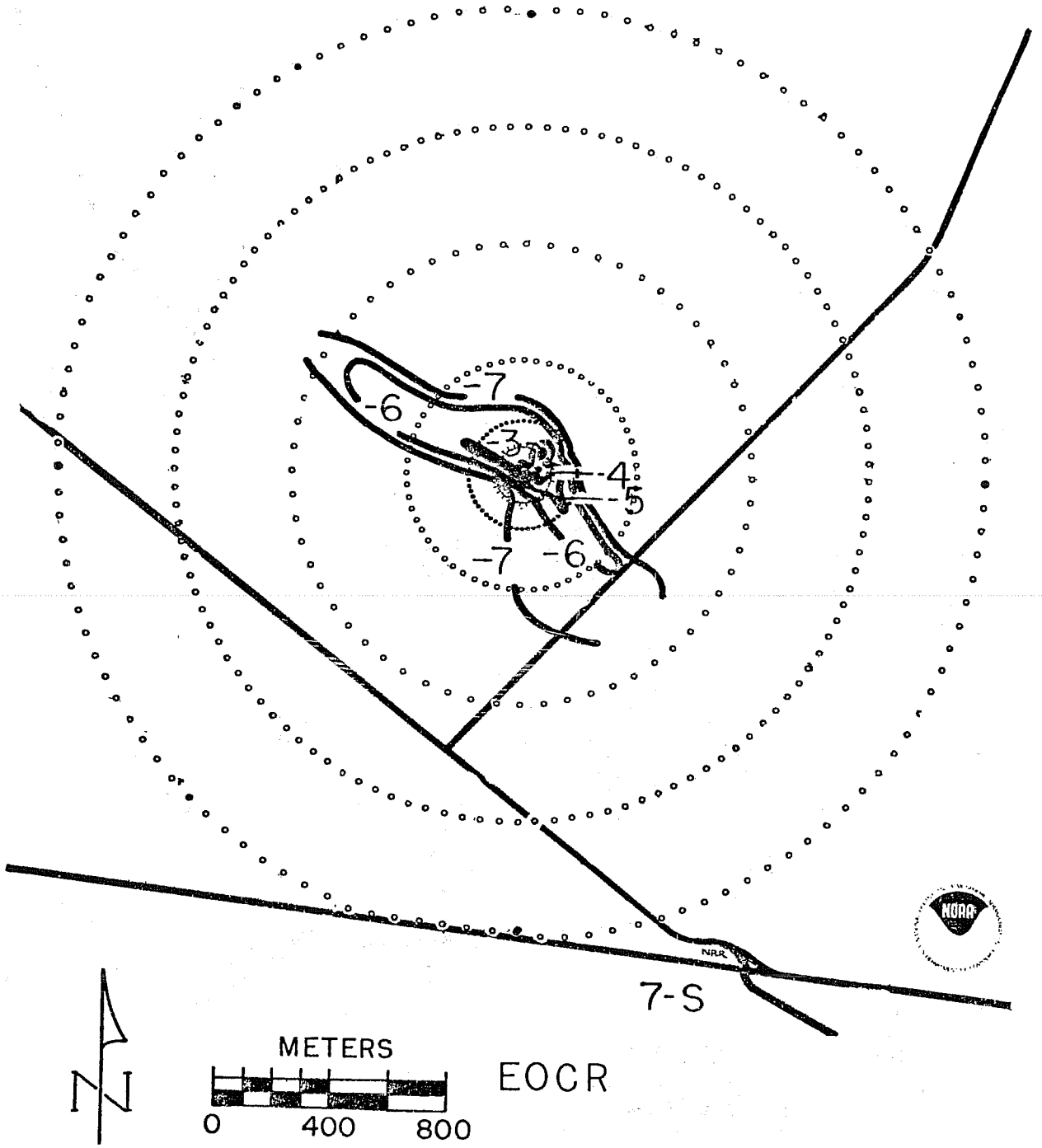
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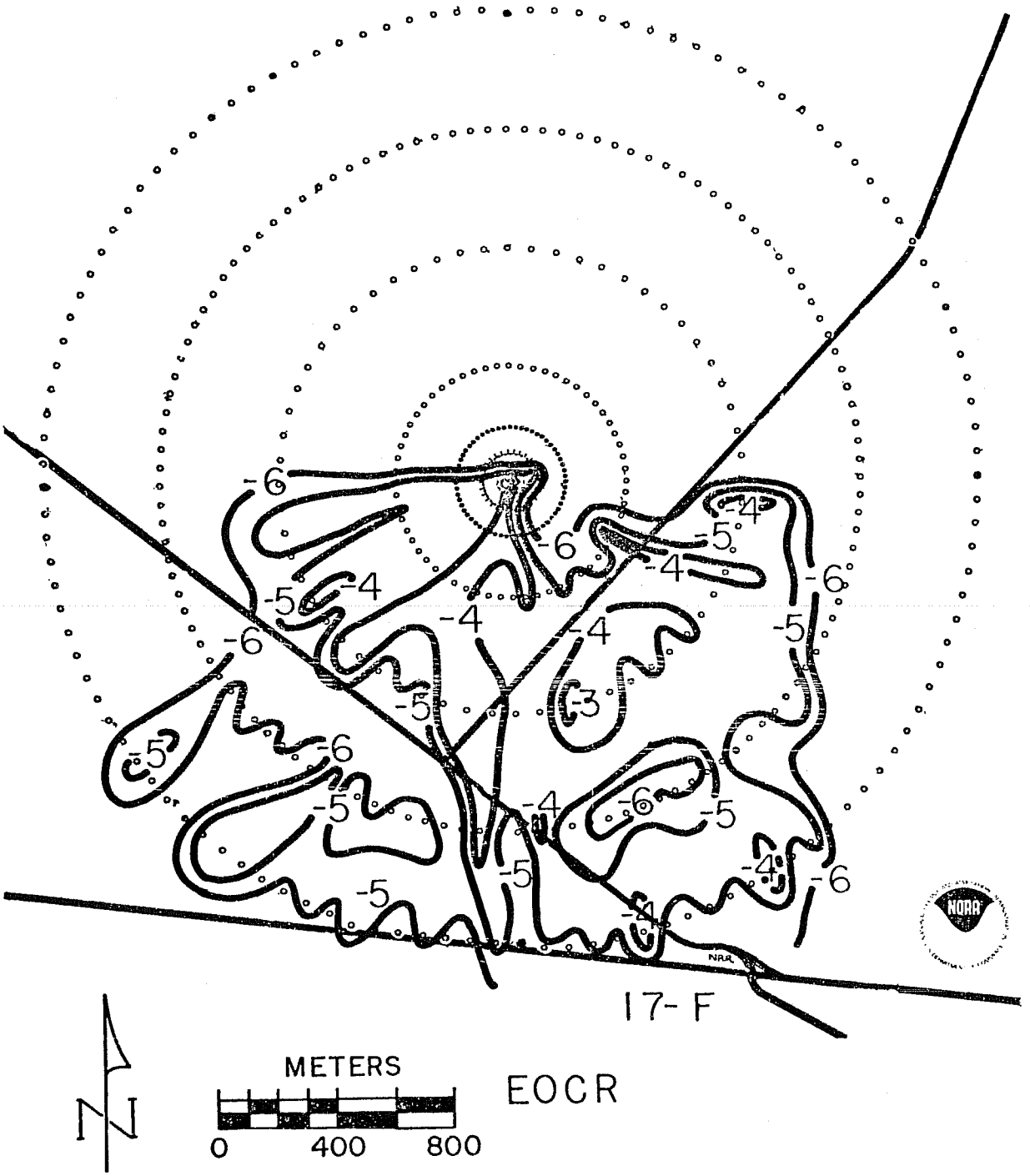
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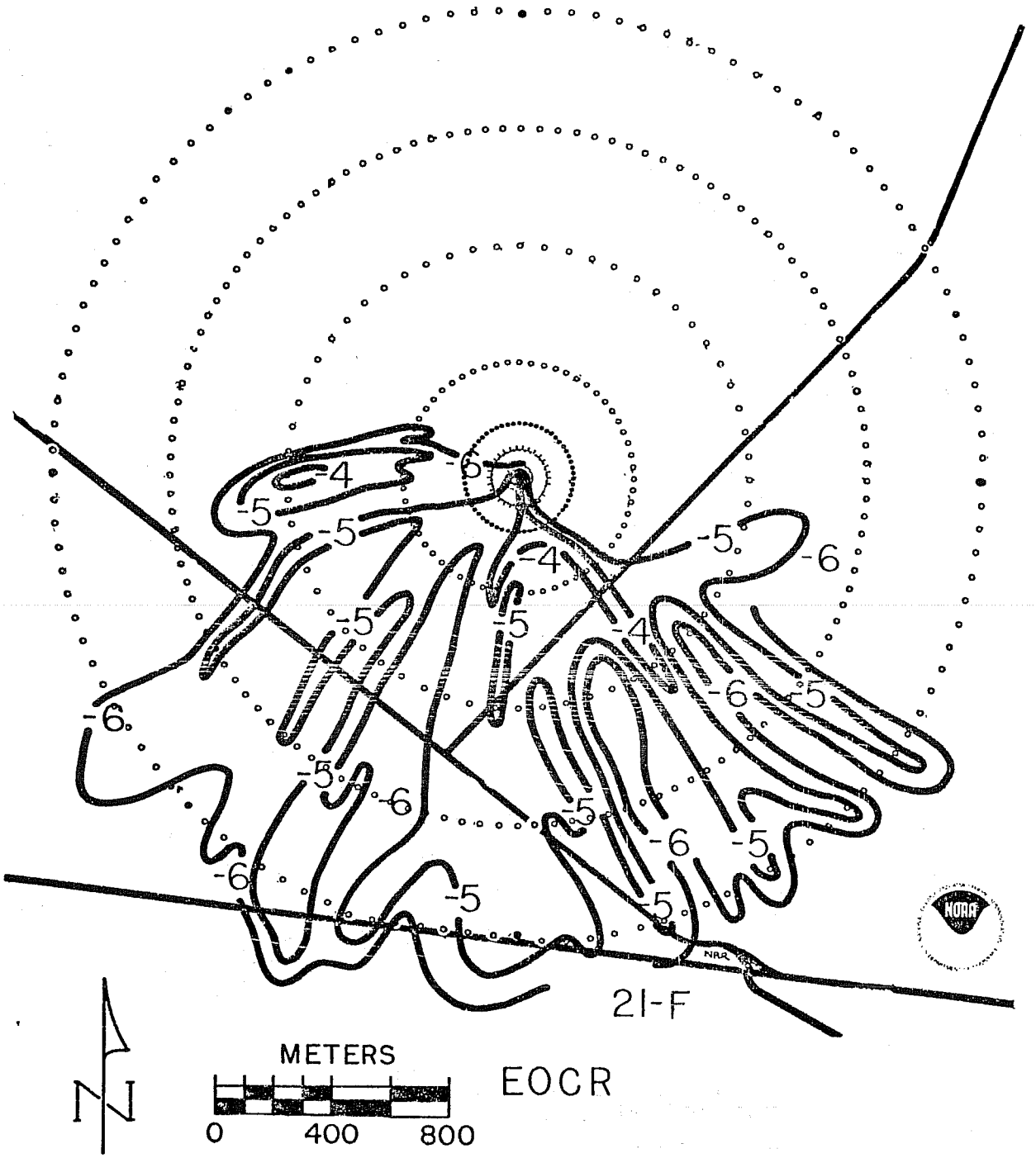
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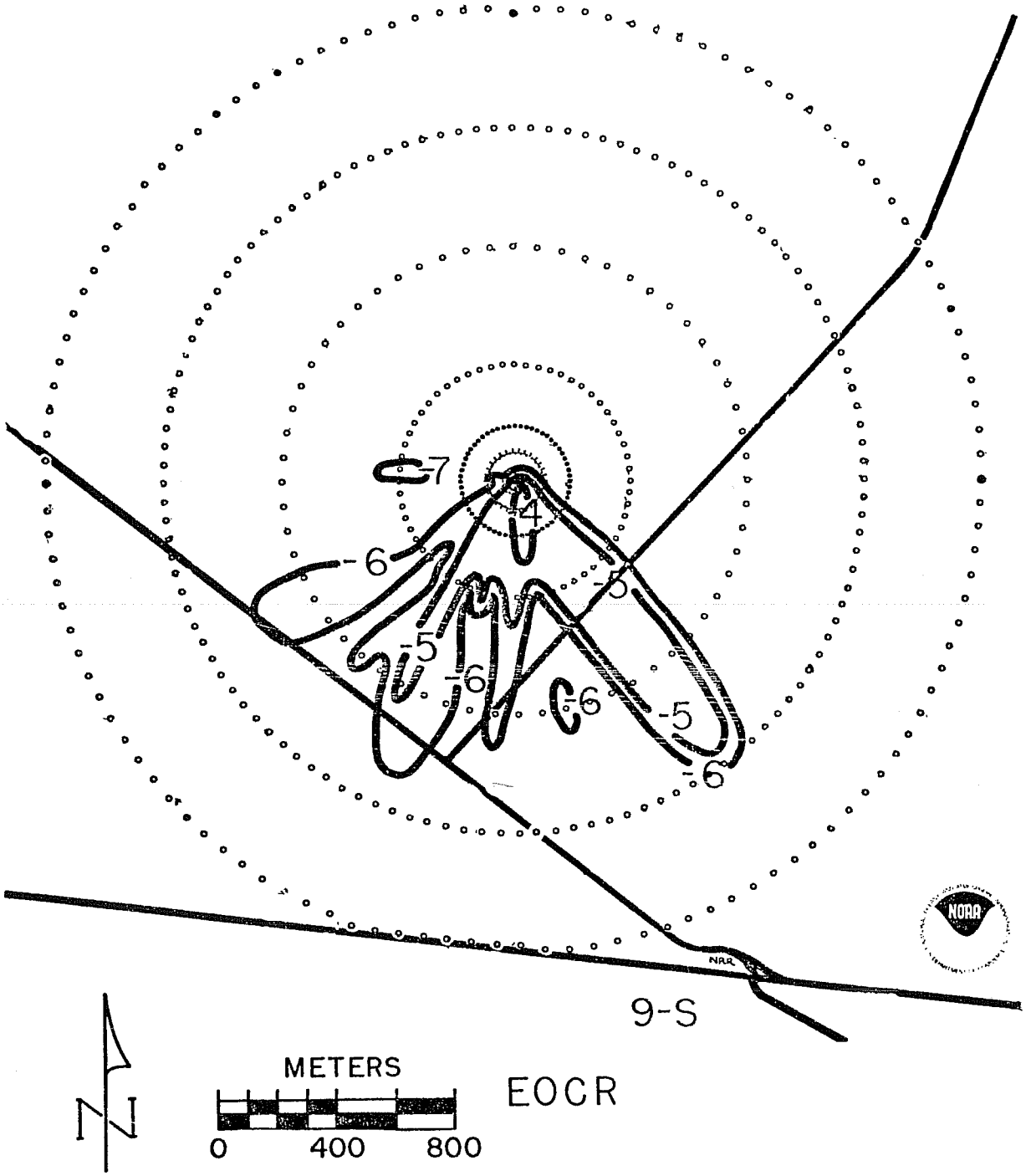
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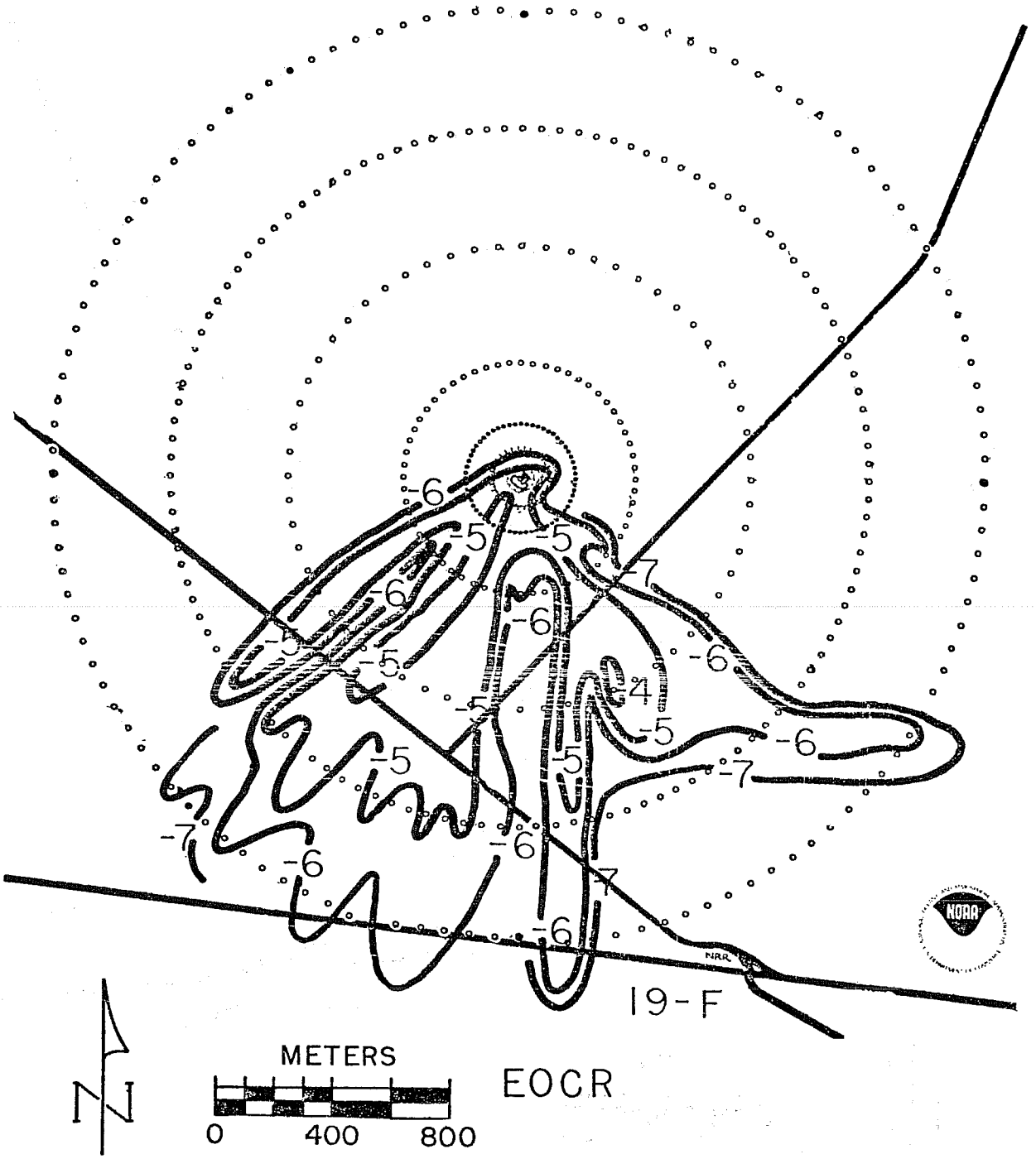
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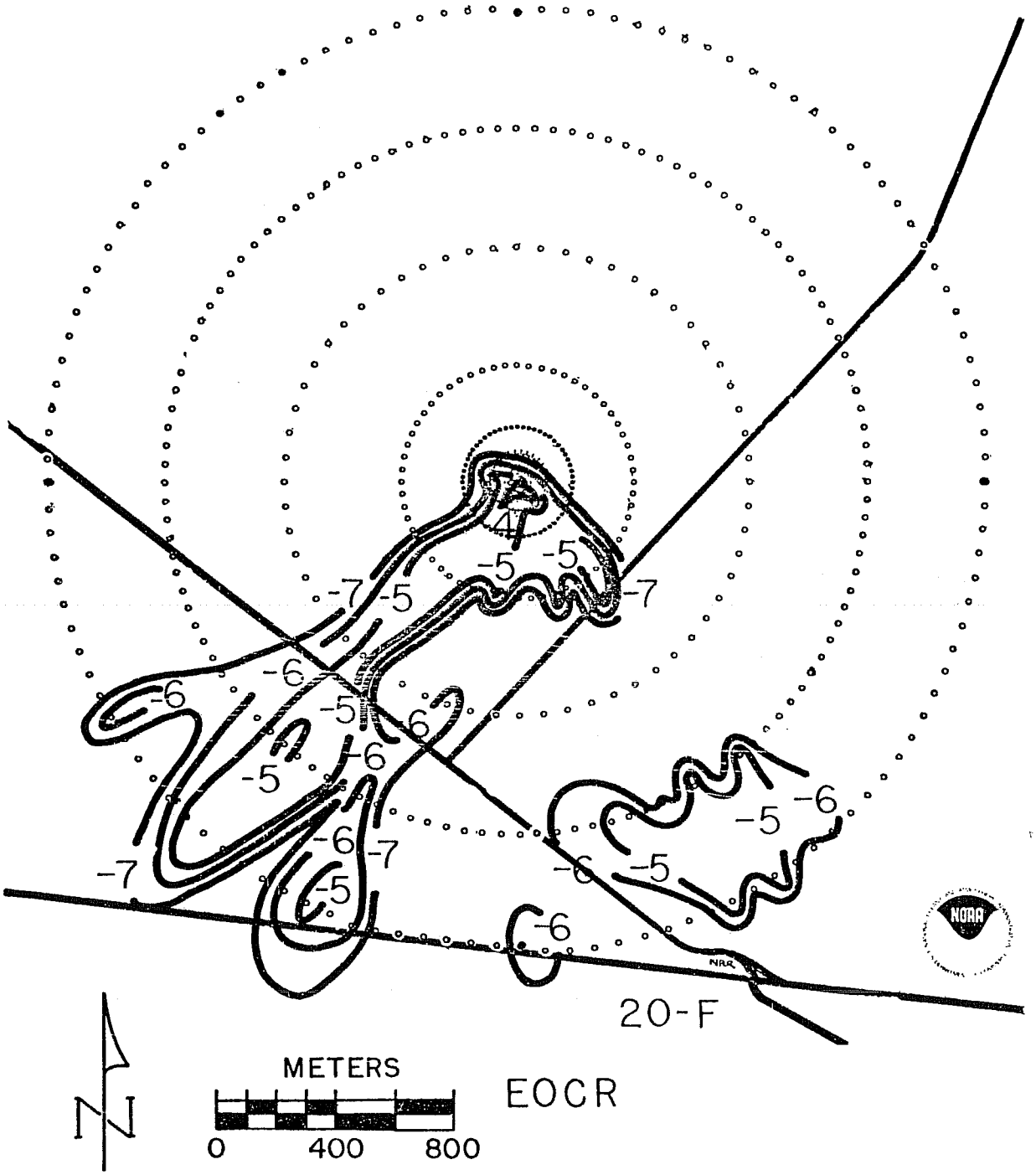
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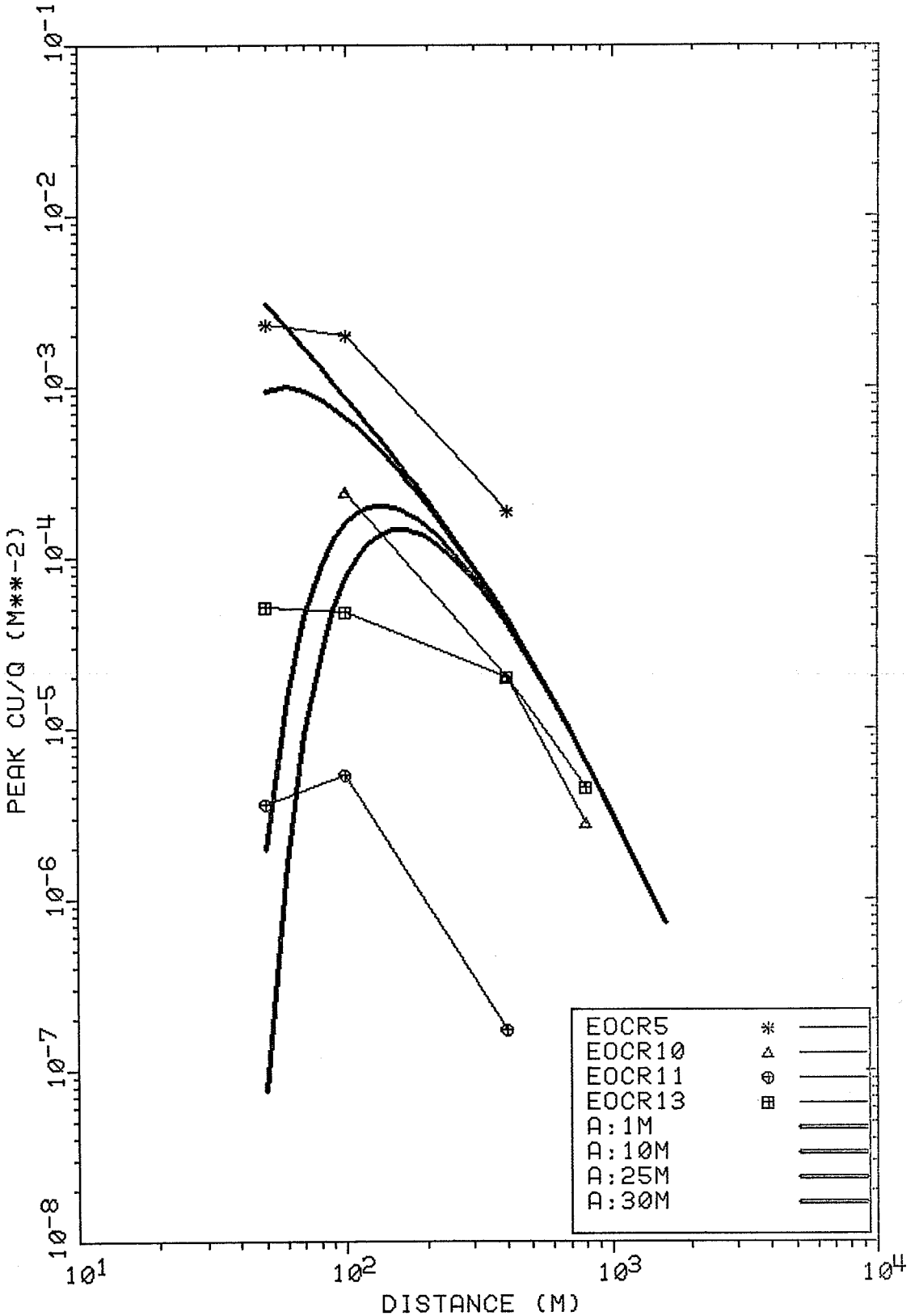
APPENDIX H: Plots of Peak Ground-level Concentrations, Sigma-y, and Sigma-z.

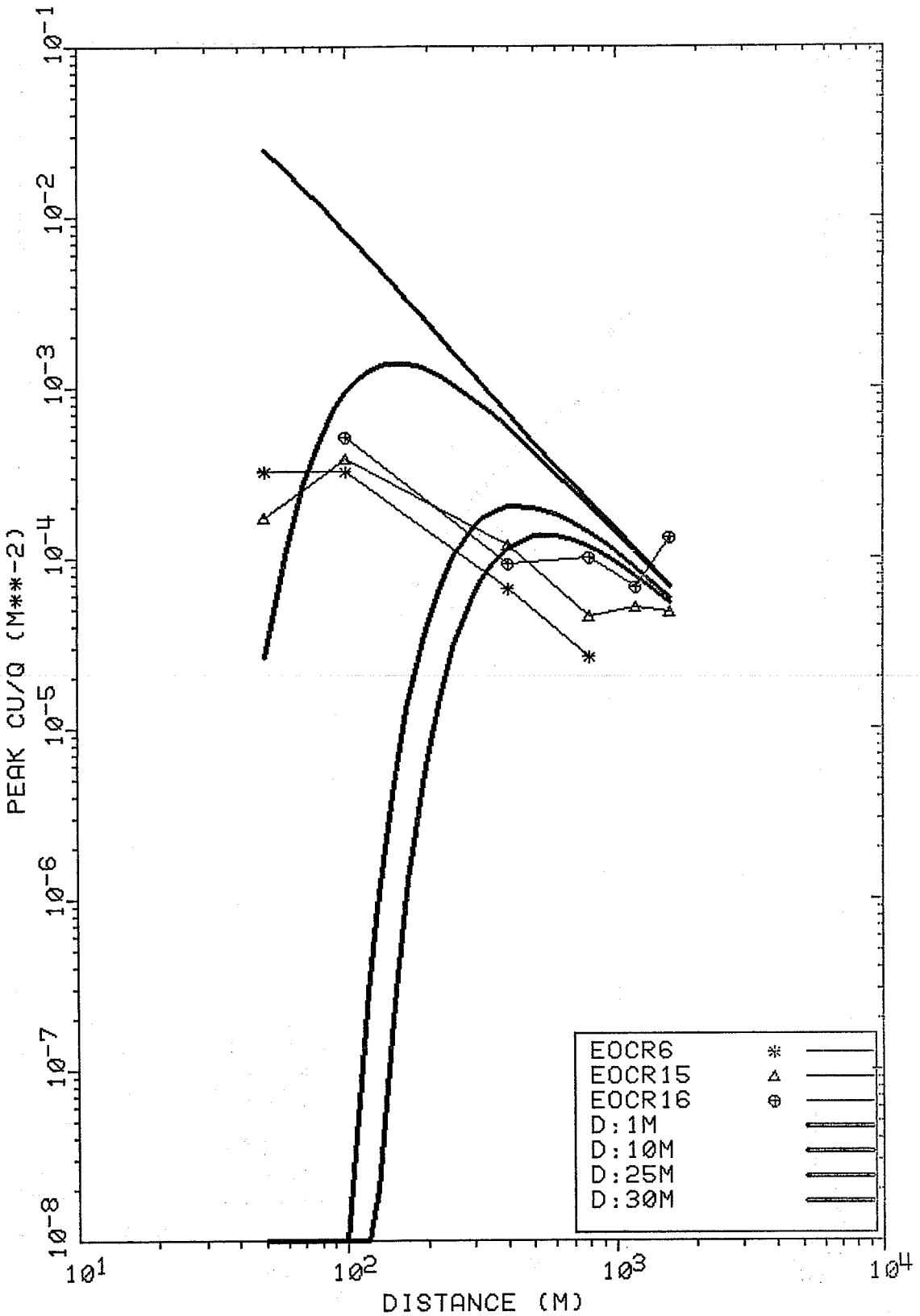
This appendix contains plots of three different diffusion parameters or statistics vs distance with separate plots for each stability category. The first three sets of plots contain measured peak concentrations and curves of Pasquill-Gifford predictions of peak concentrations at 1m, 10m, 25m, and 30m. Curves of predicted concentration with values less than 10^{-8} were truncated to 10^{-8} for plotting convenience and consistency of resolution of data within the autoscaled plots. There is a set of plots for each release height.

The next set of plots contain measured σ_y values, a first order regression line for these values, and a curve of Pasquill-Gifford predictions of σ_y. All release heights are combined on each plot.

The last set of plots contain all the measured values of peak concentrations, σ_y, and σ_z with all stability classes included on each plot. Curves of Pasquill-Gifford predictions for these statistics are also included on these plots.



STACK RELEASE
EOCR PEAK CU/Q STABILITY=A 10/26/78



STACK RELEASE
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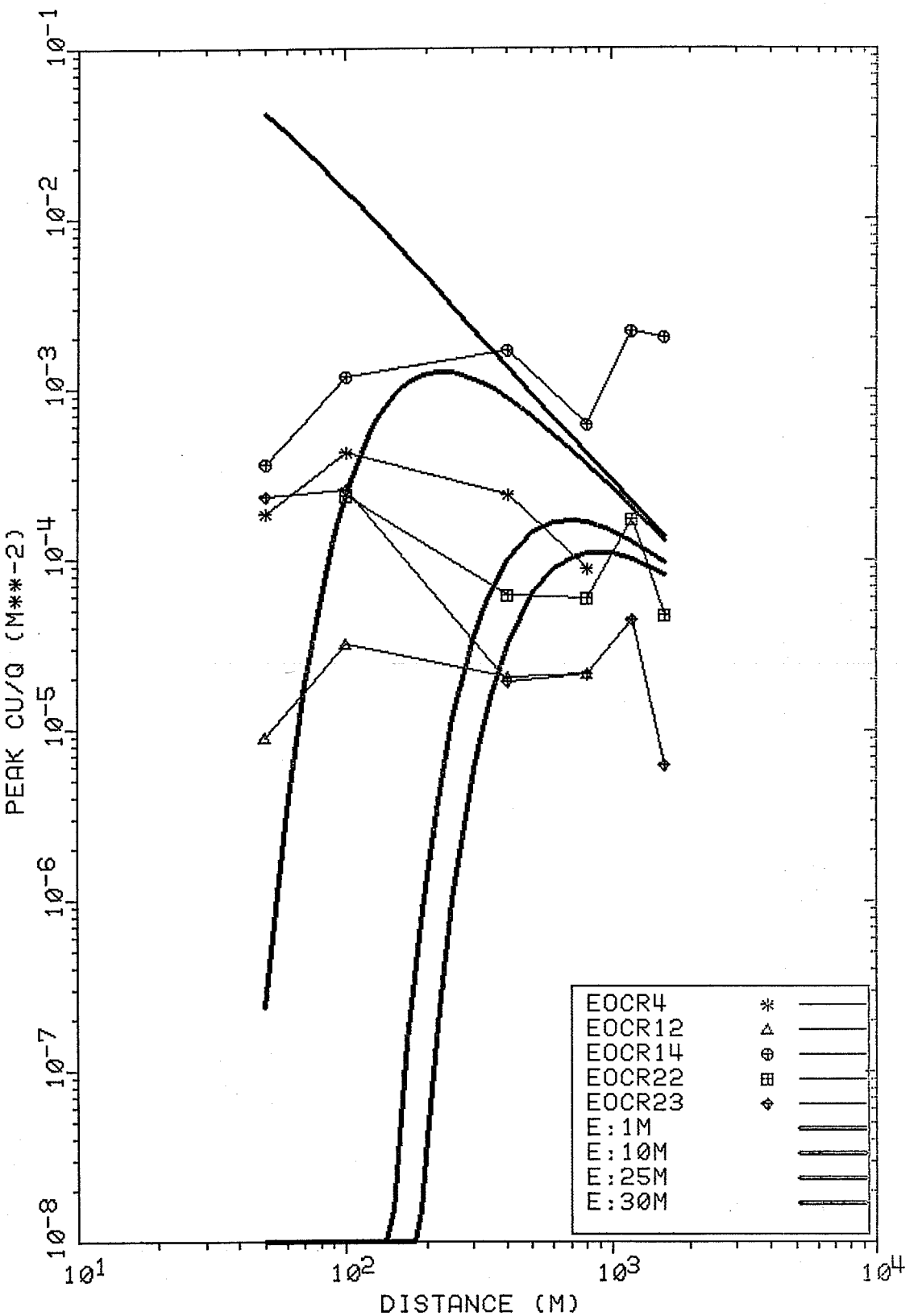
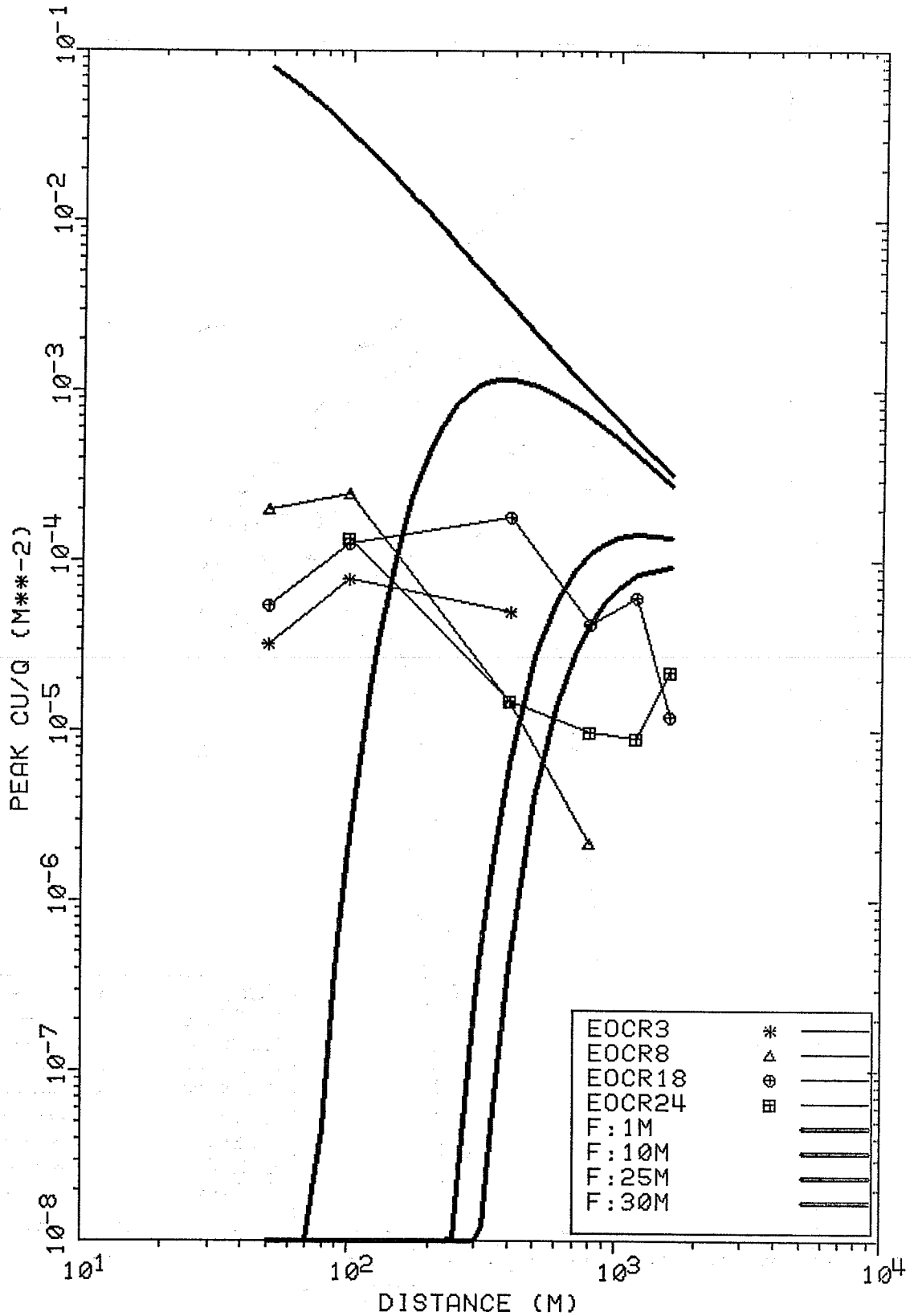


STACK RELEASE
EOCR PEAK CU/Q STABILITY=E 10/26/78



STACK RELEASE
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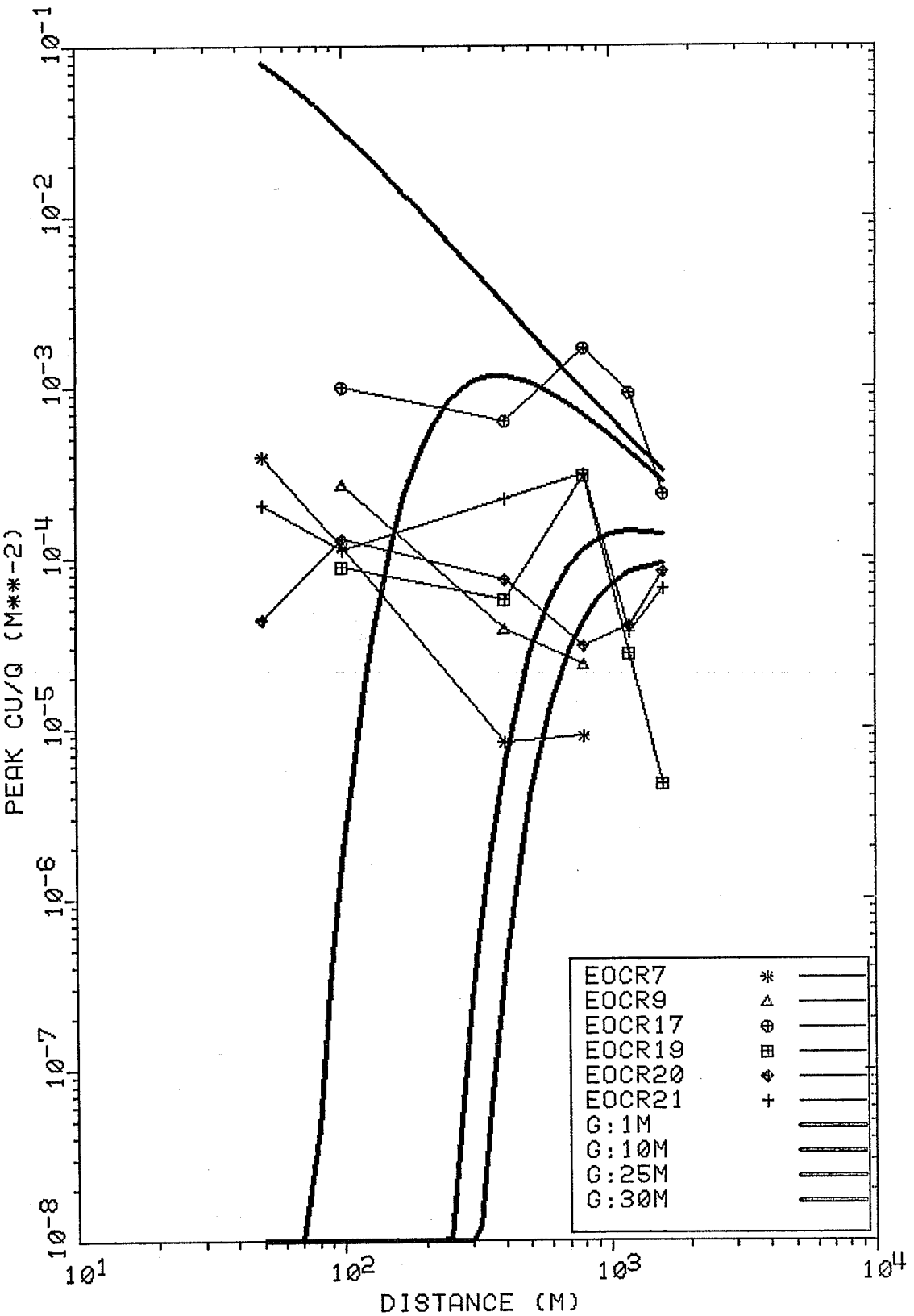

STACK RELEASE
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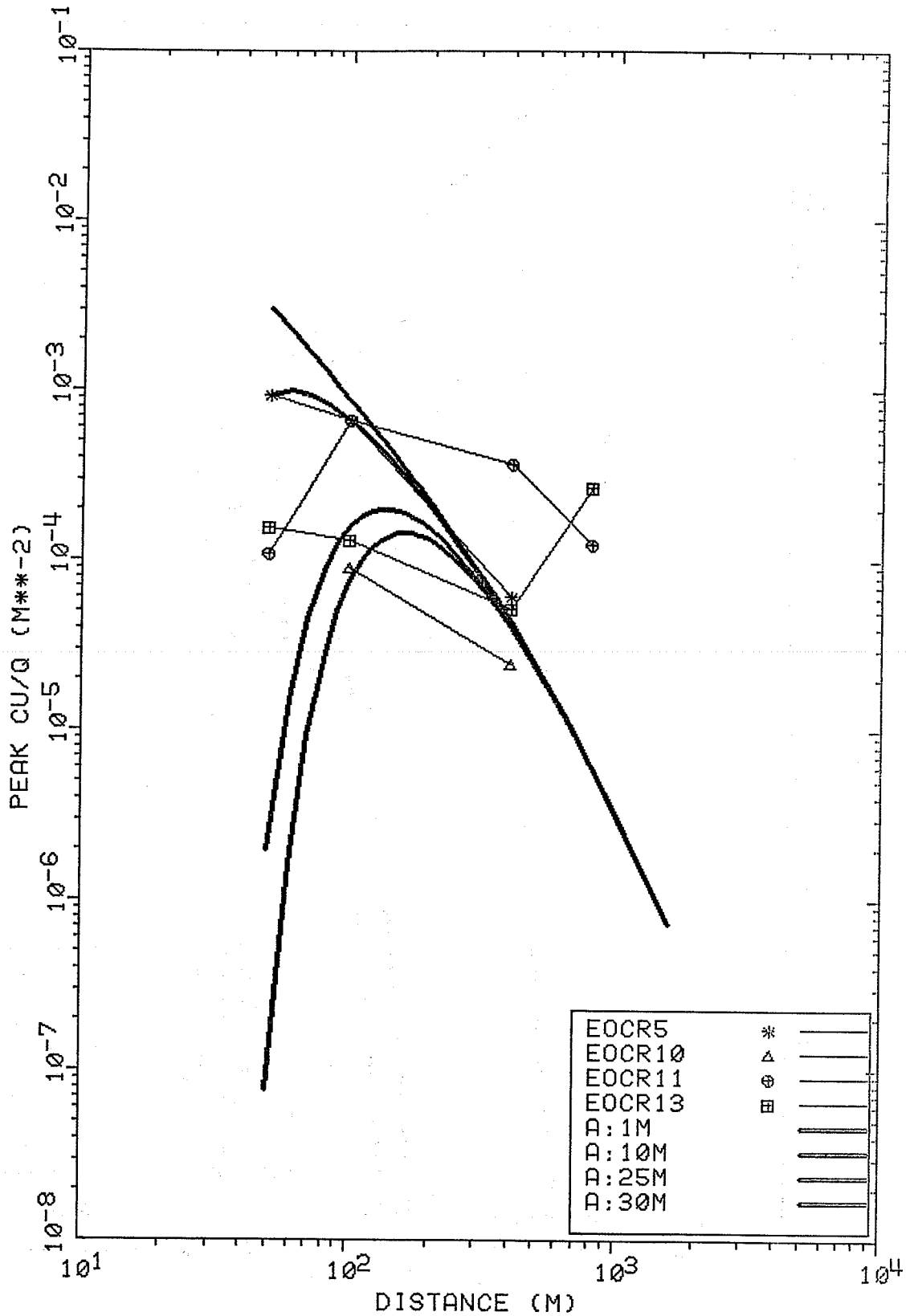

ROOF RELEASE
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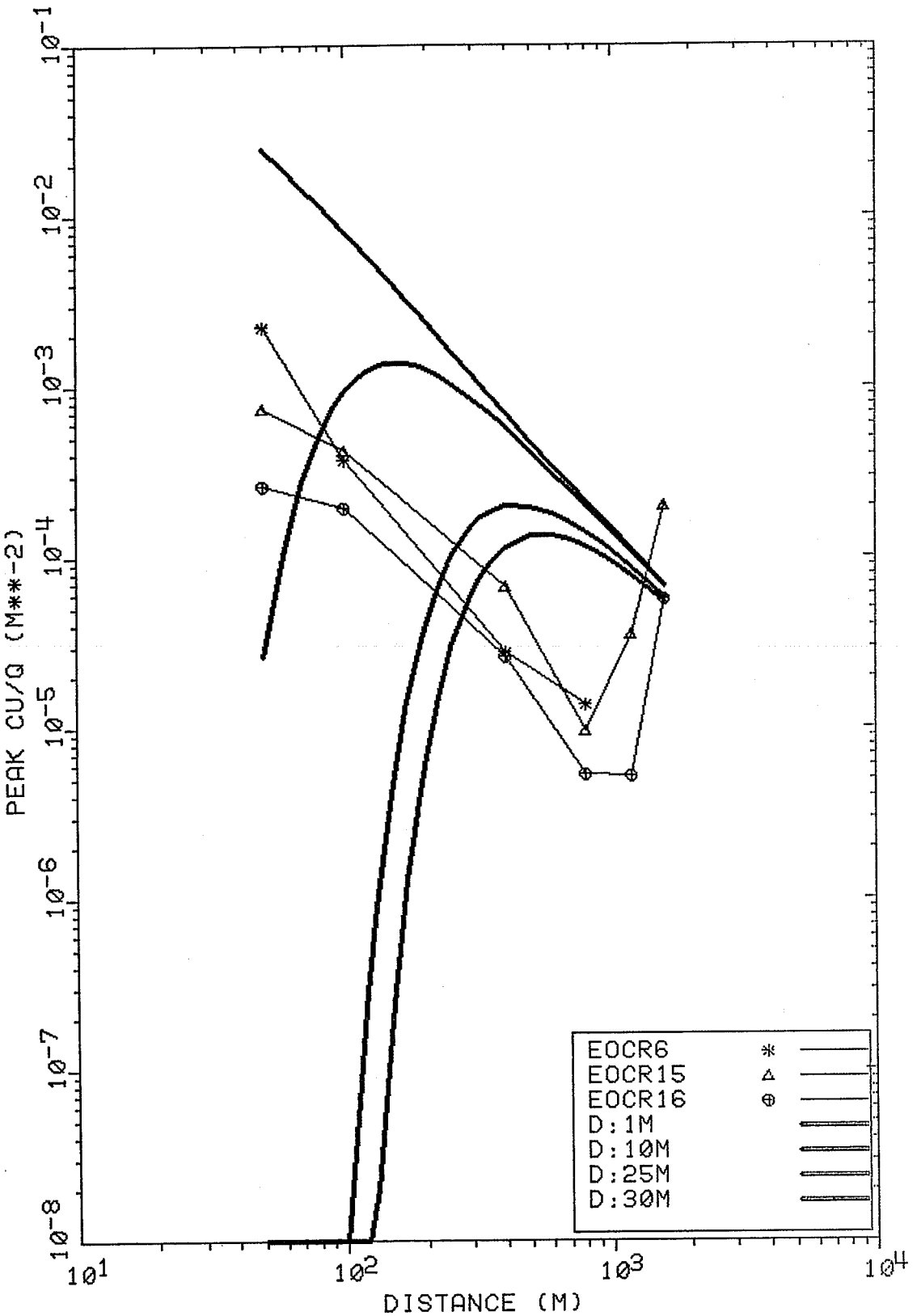

ROOF RELEASE
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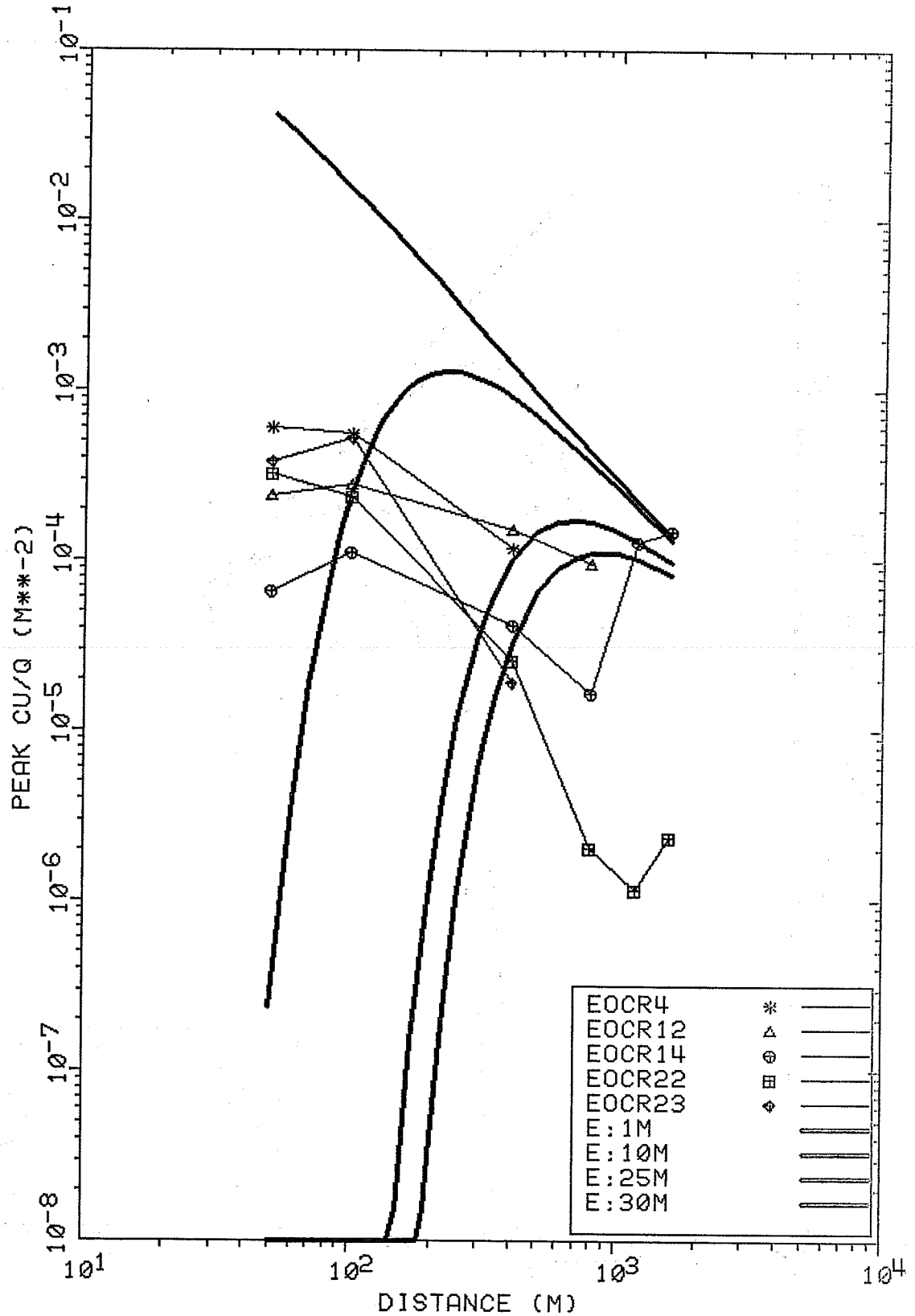

ROOF RELEASE
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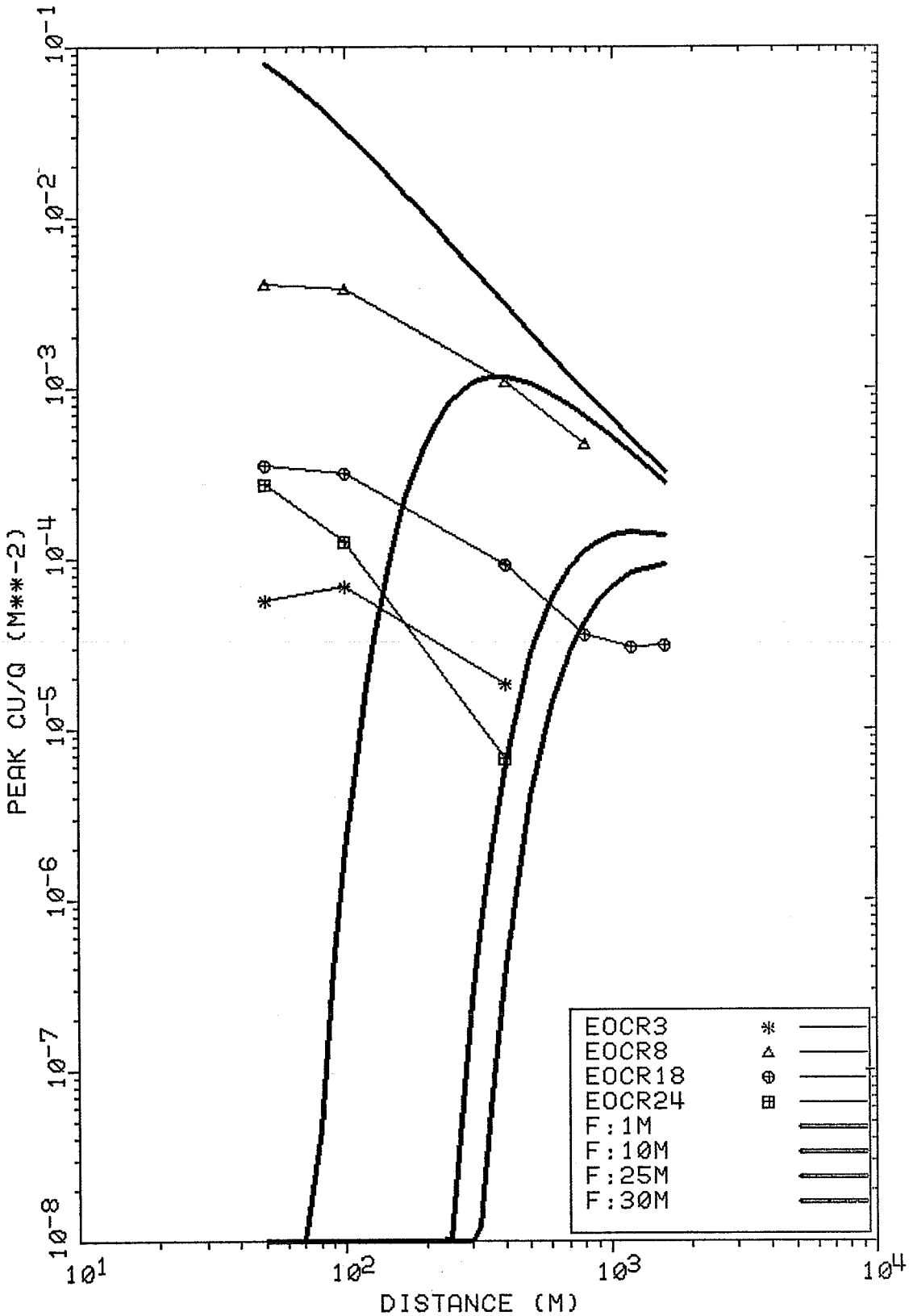

ROOF RELEASE
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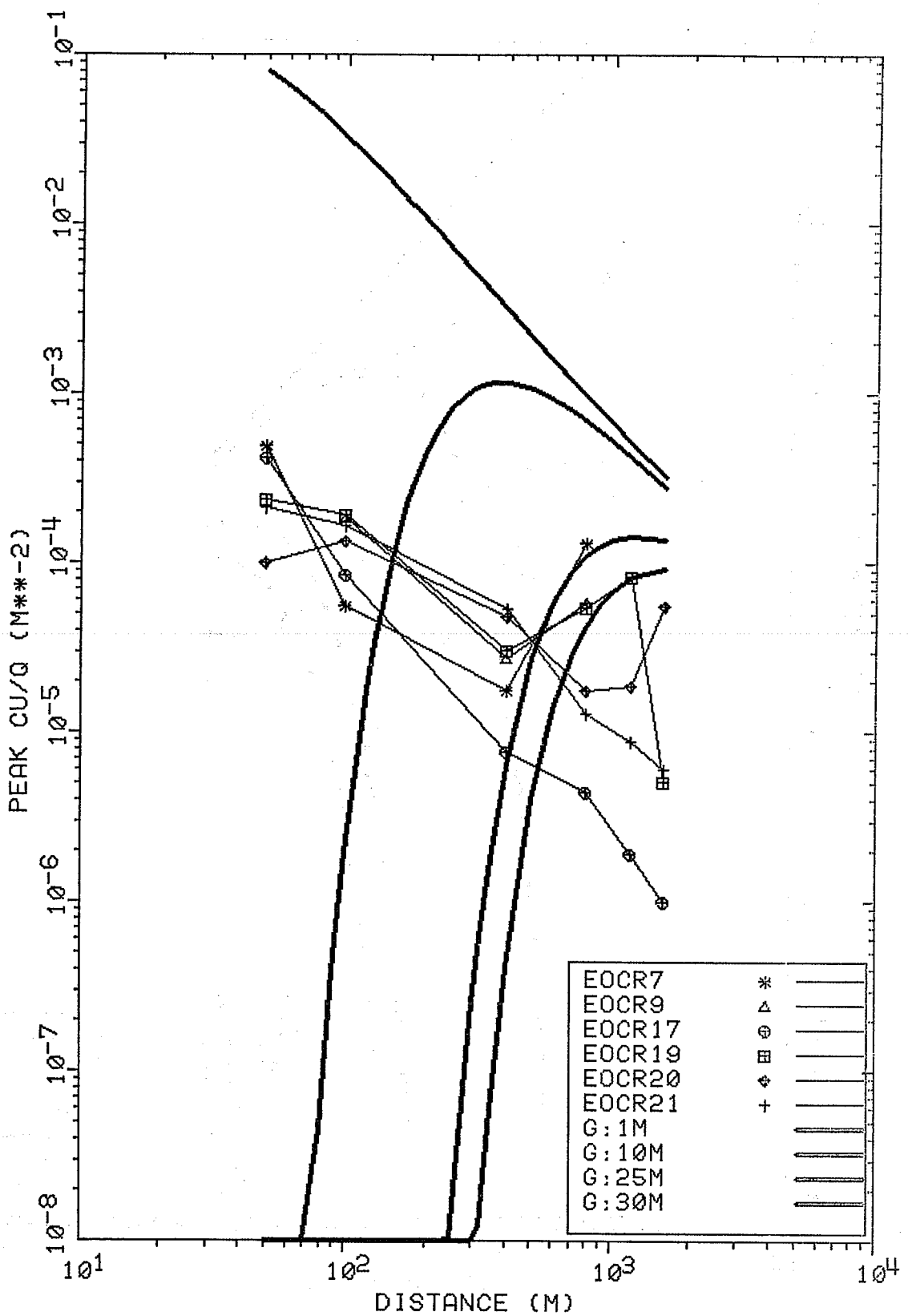
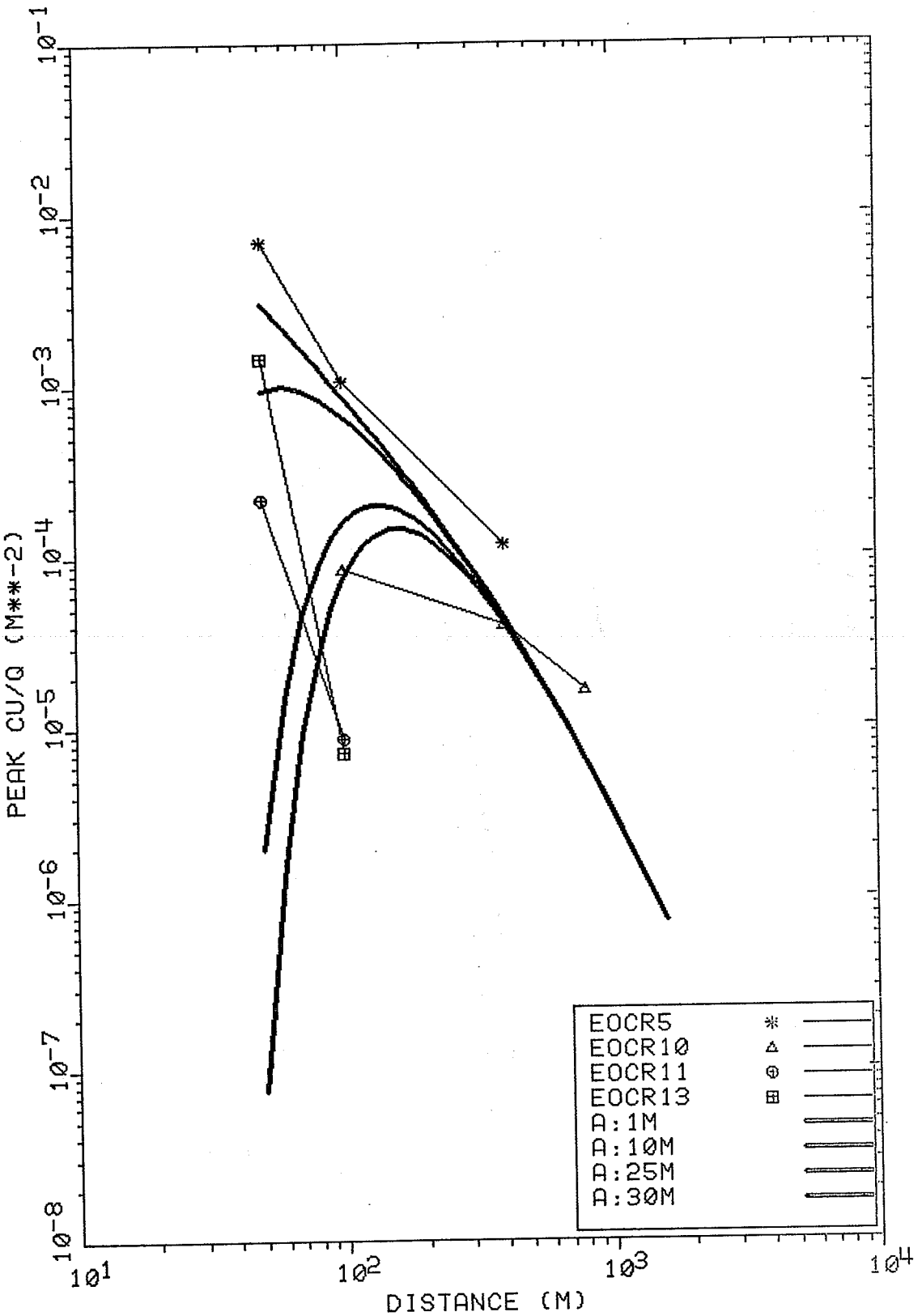
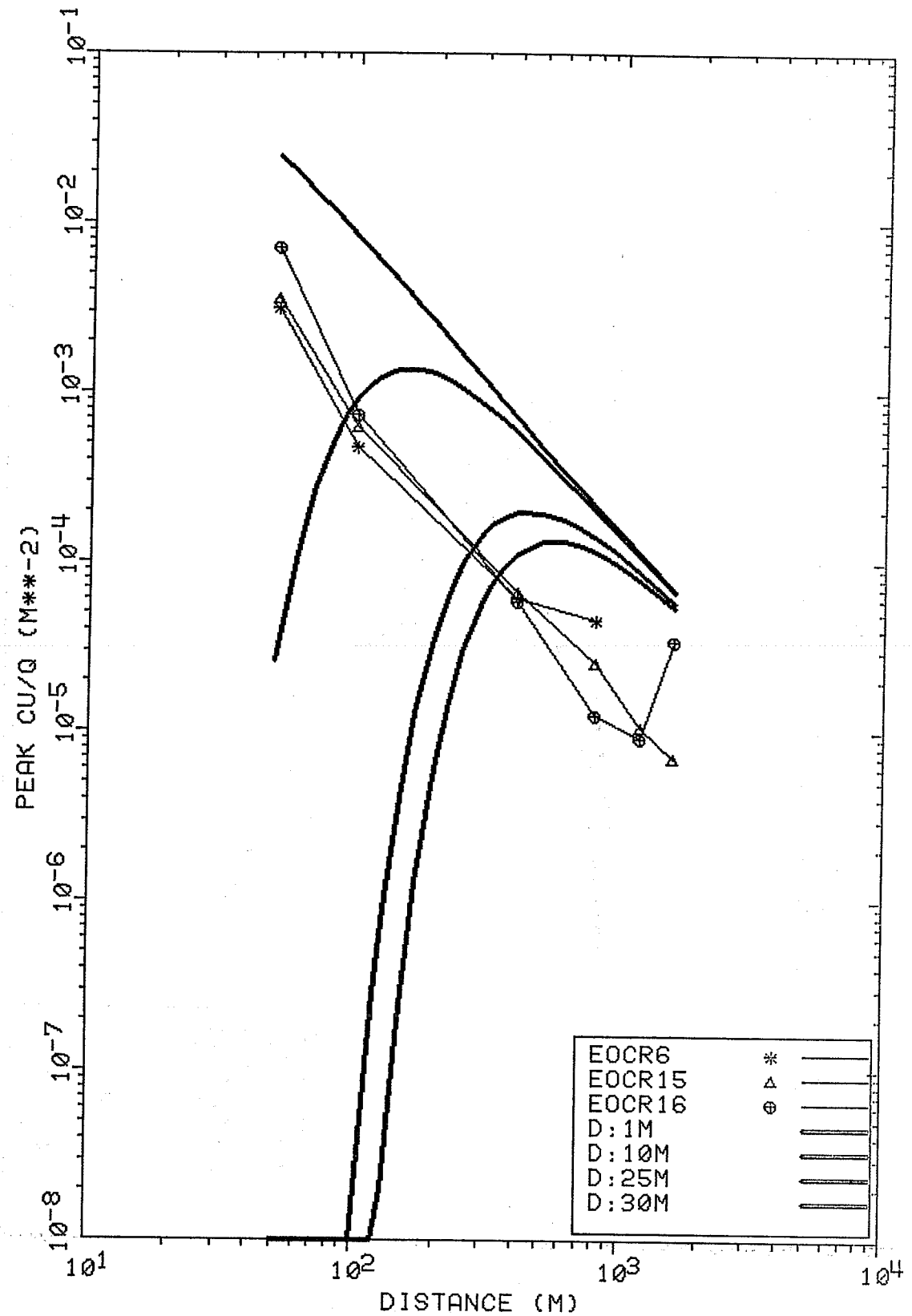


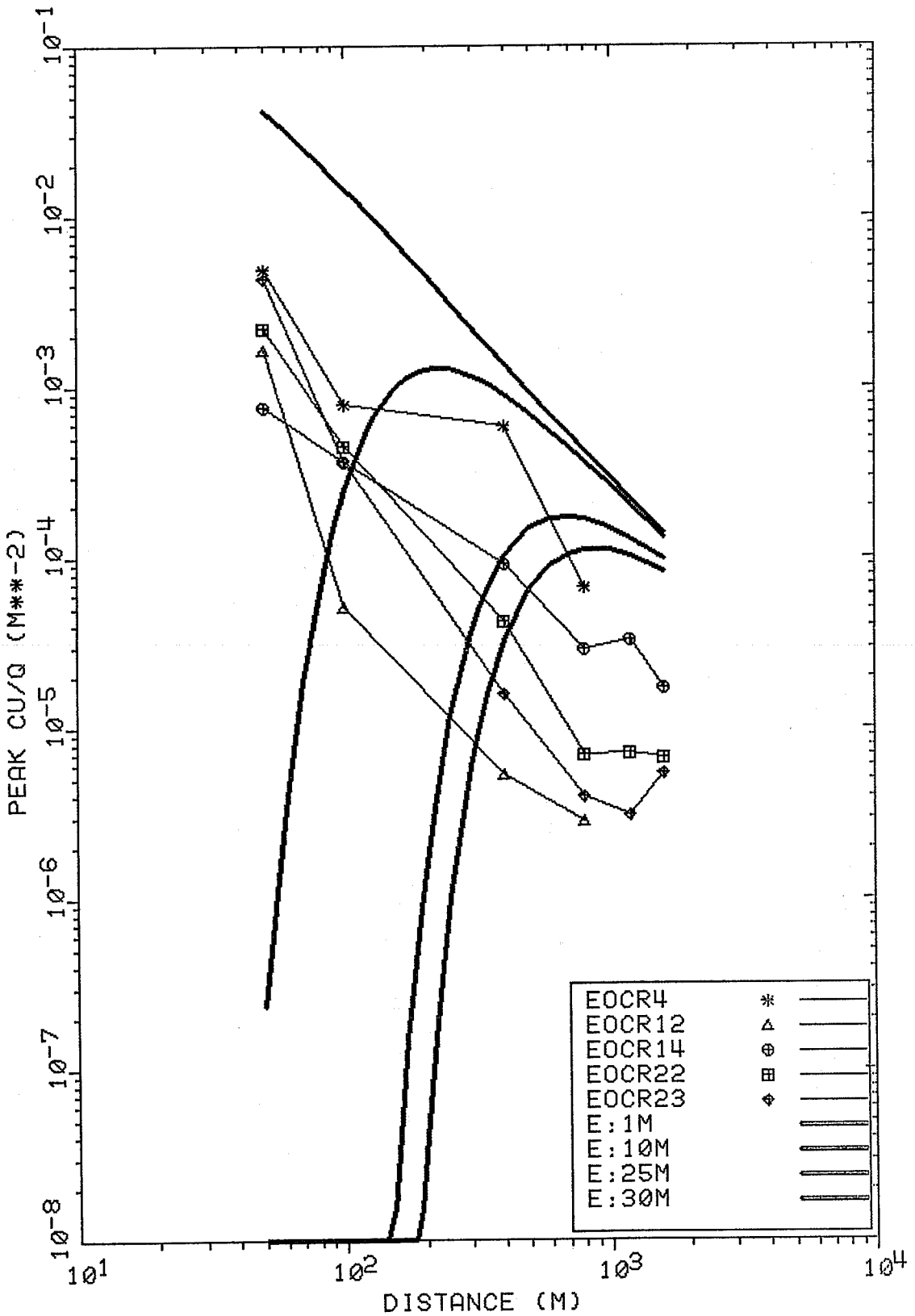
ROOF RELEASE
EOCR PEAK CU/Q STABILITY=G 10/26/78



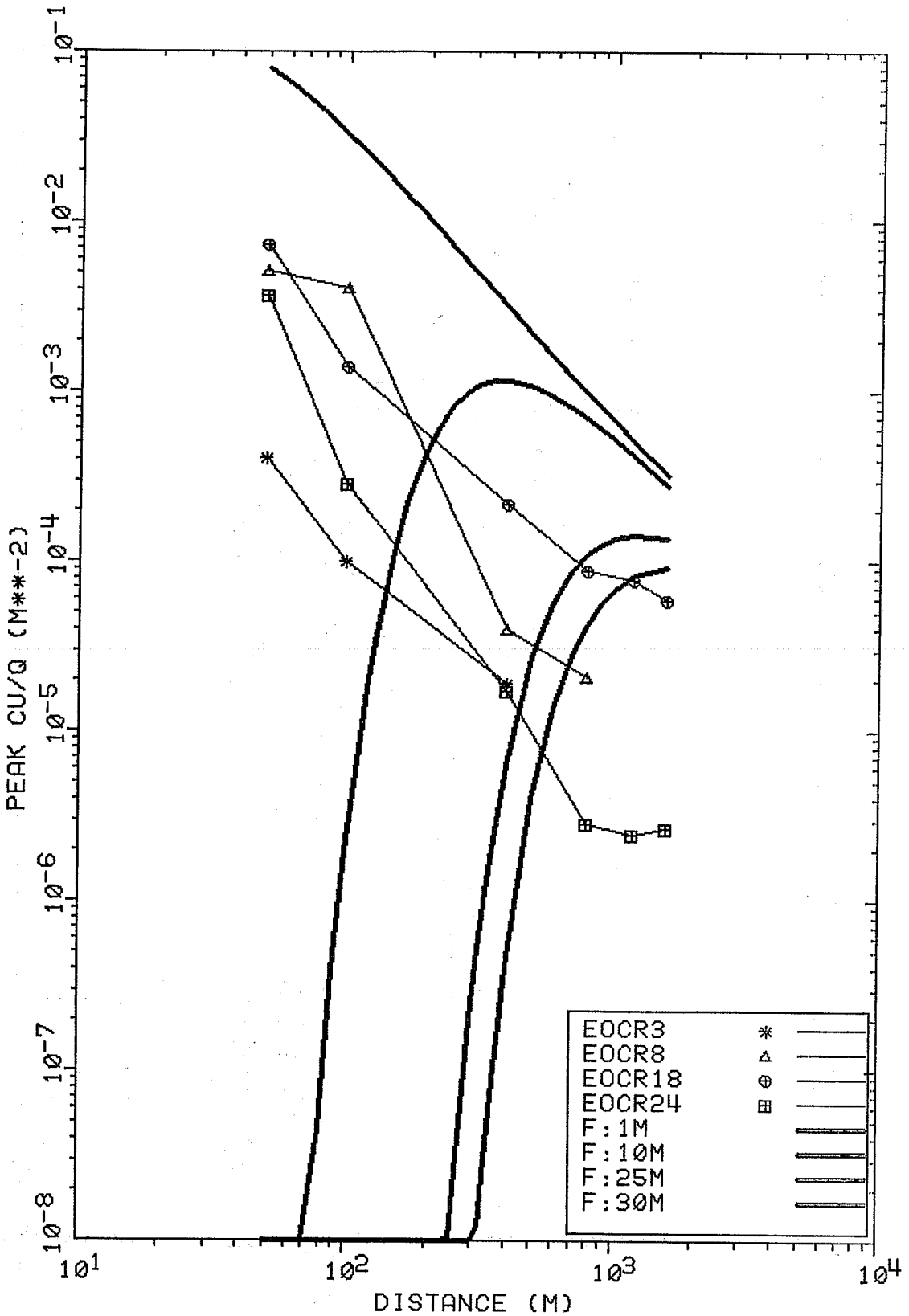
GROUND RELEASE
EOCR PEAK CU/Q STABILITY=A 10/26/78



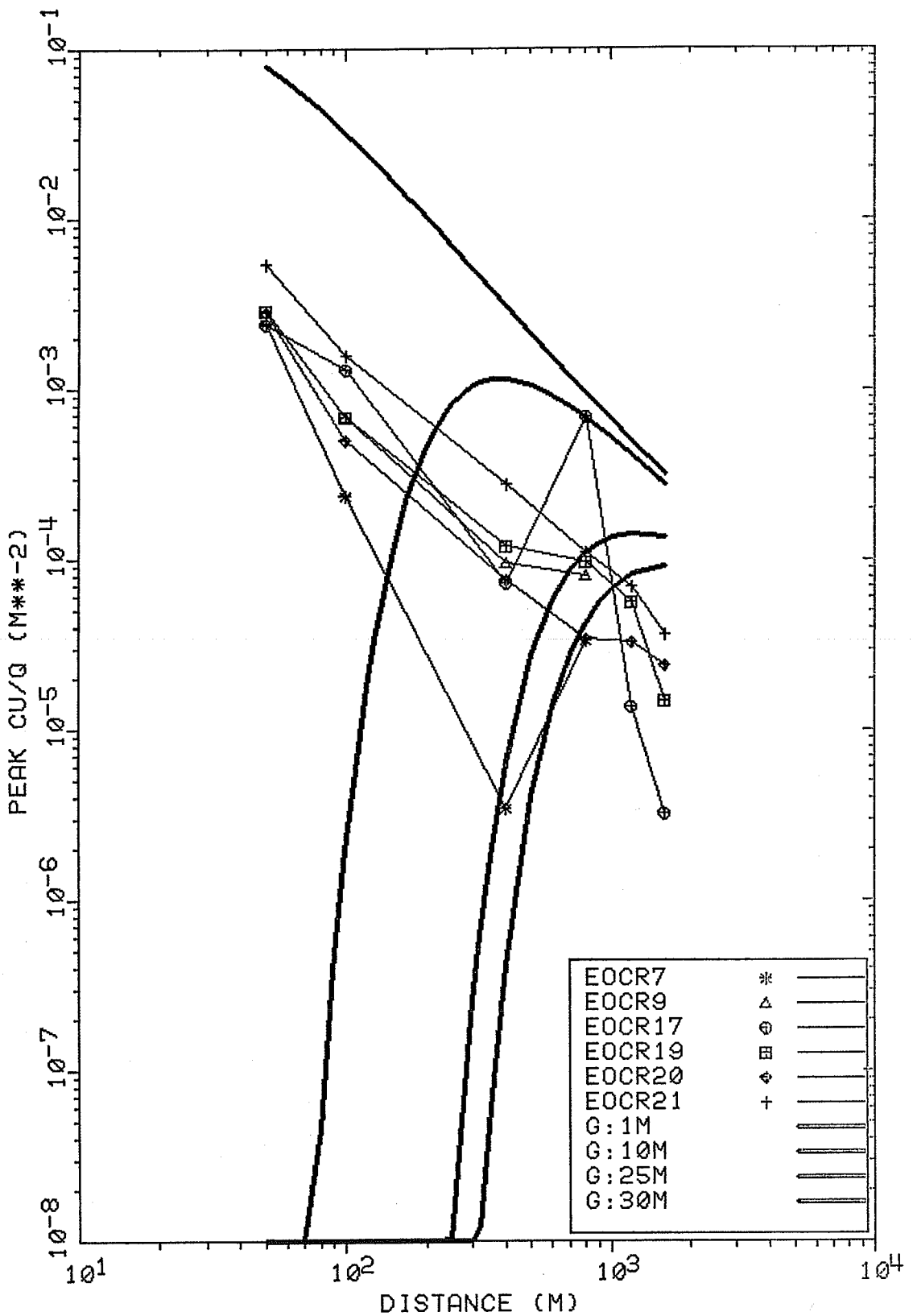
GROUND RELEASE
EOCR PEAK CU/Q STABILITY=D 10/26/78



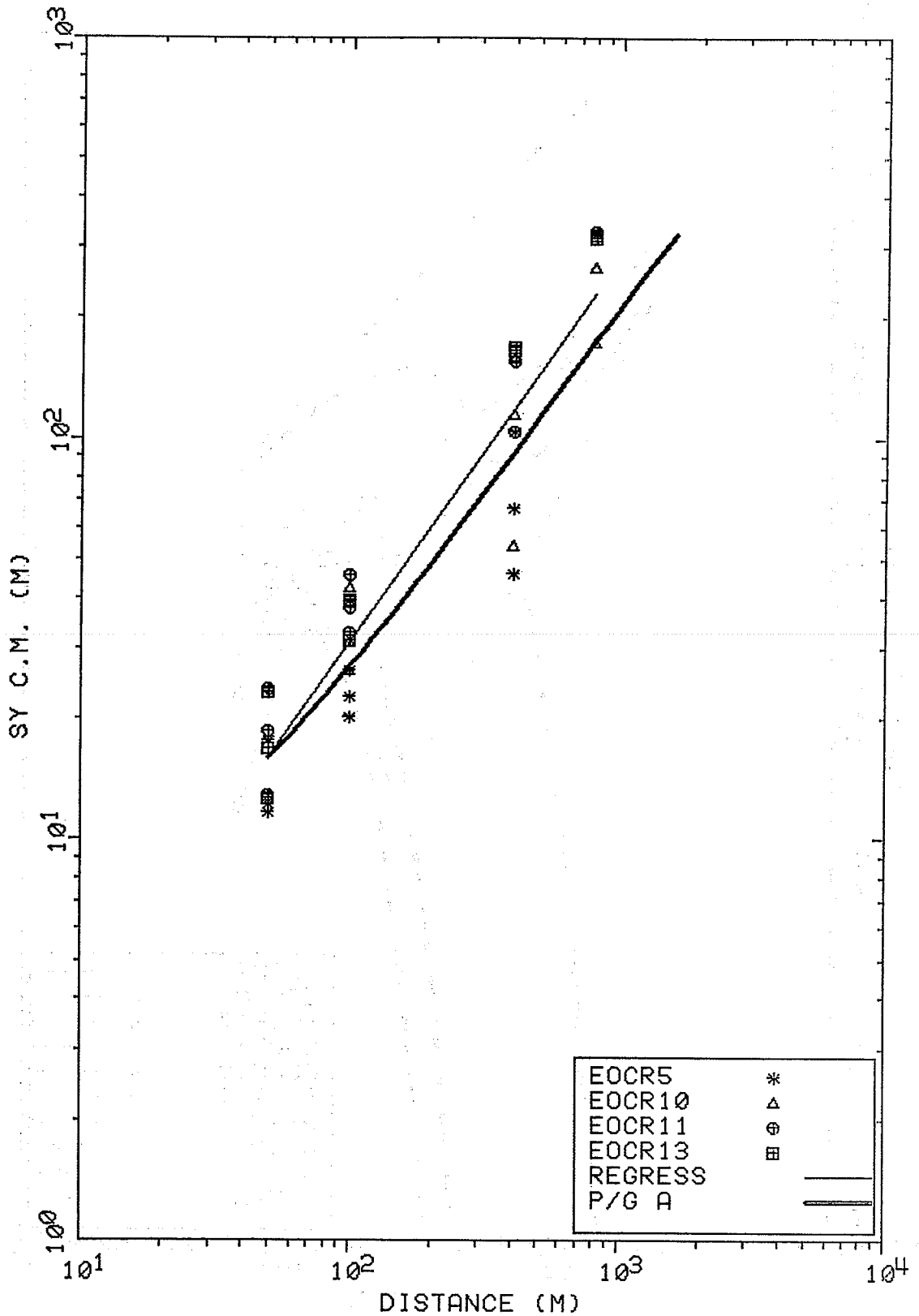
GROUND RELEASE
EOCR PEAK CU/Q STABILITY=E 10/26/78



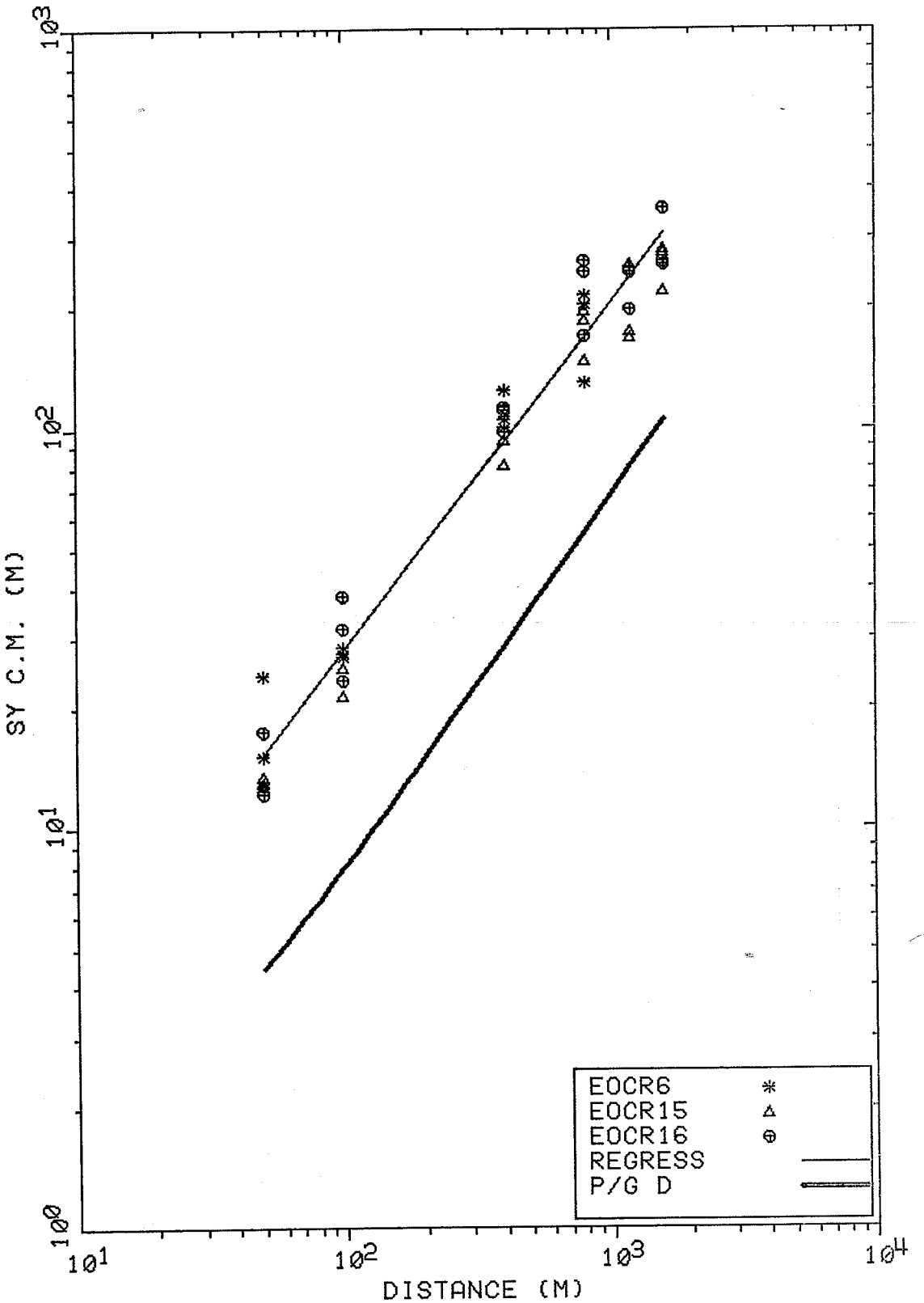
GROUND RELEASE
EOCR PEAK CU/Q STABILITY=F 10/26/78



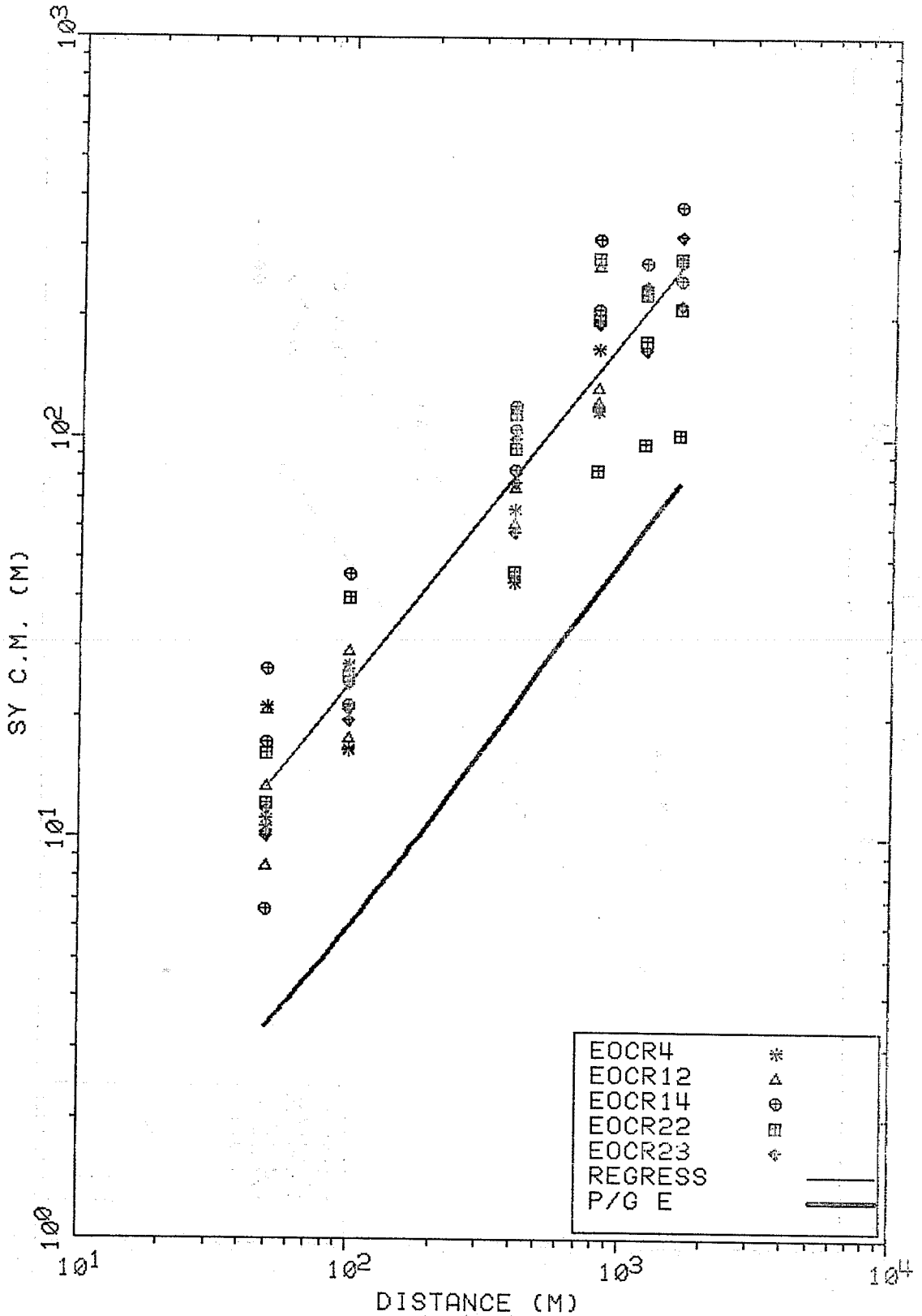
GROUND RELEASE
EOCR PEAK CU/Q STABILITY=G 10/26/78



ALL RELEASES
EOCR SIGMA Y C.M. STABILITY=A 10/26/78



ALL RELEASES
EOCR SIGMA Y C.M. STABILITY=D 10/26/78



ALL RELEASES
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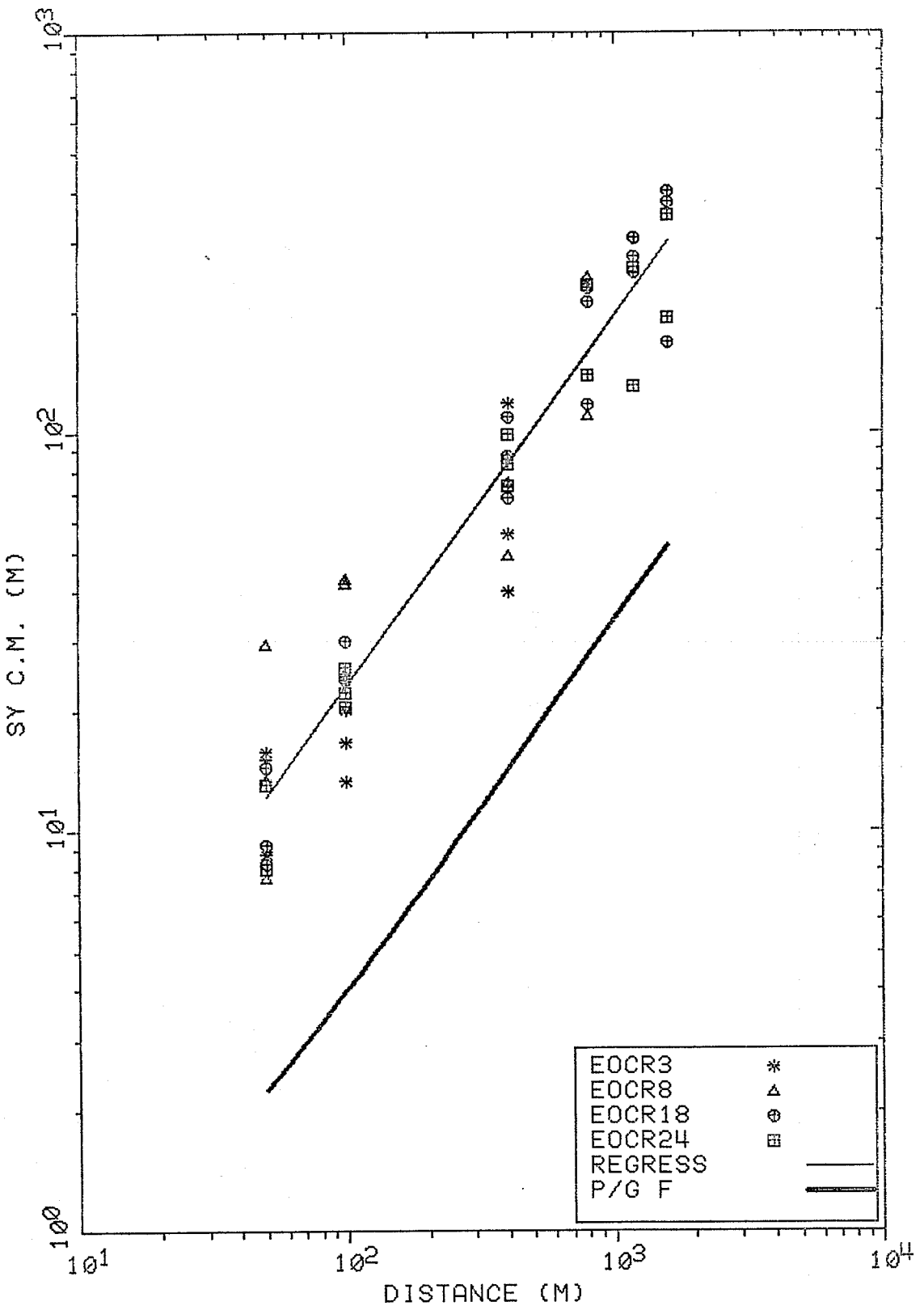
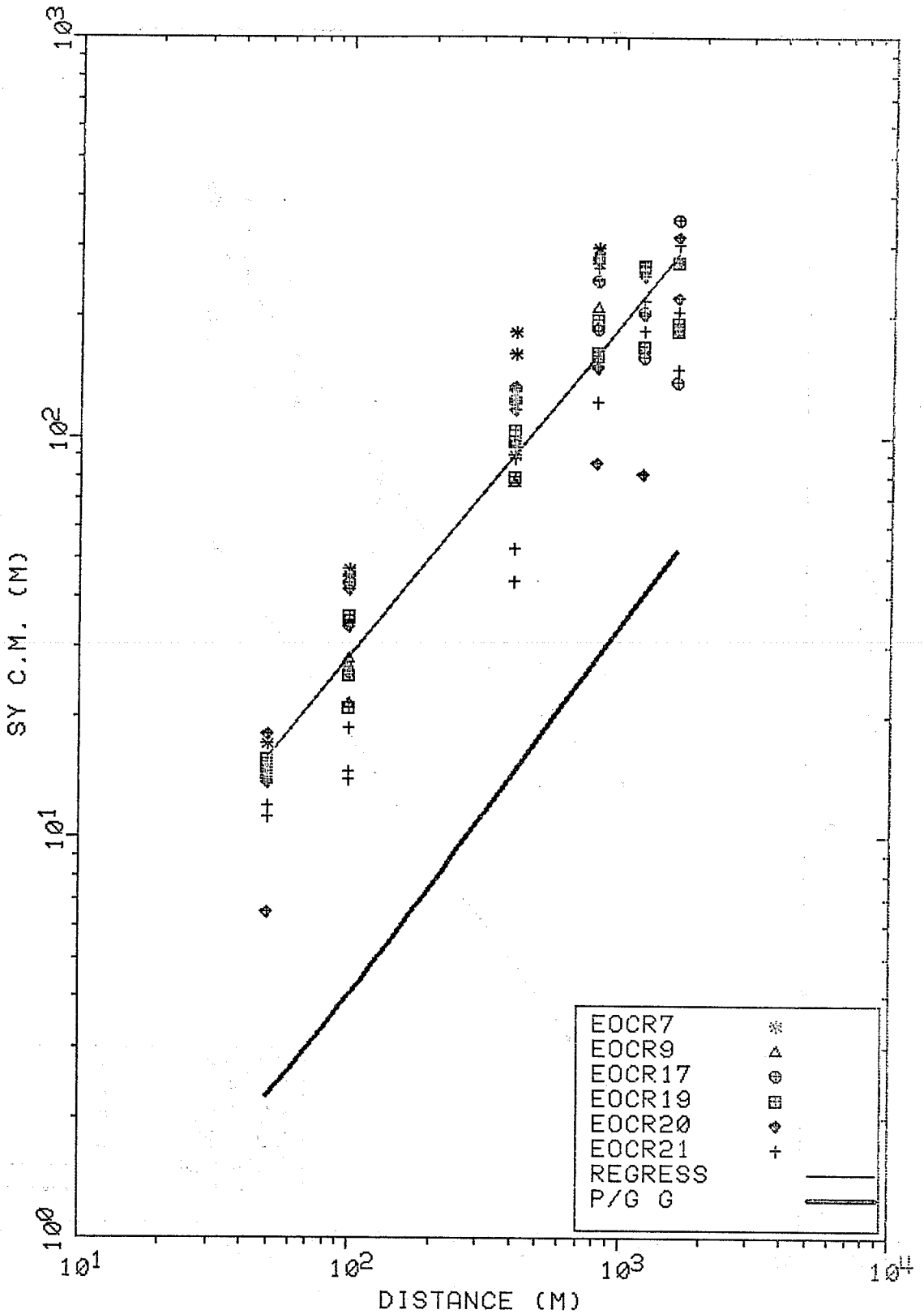
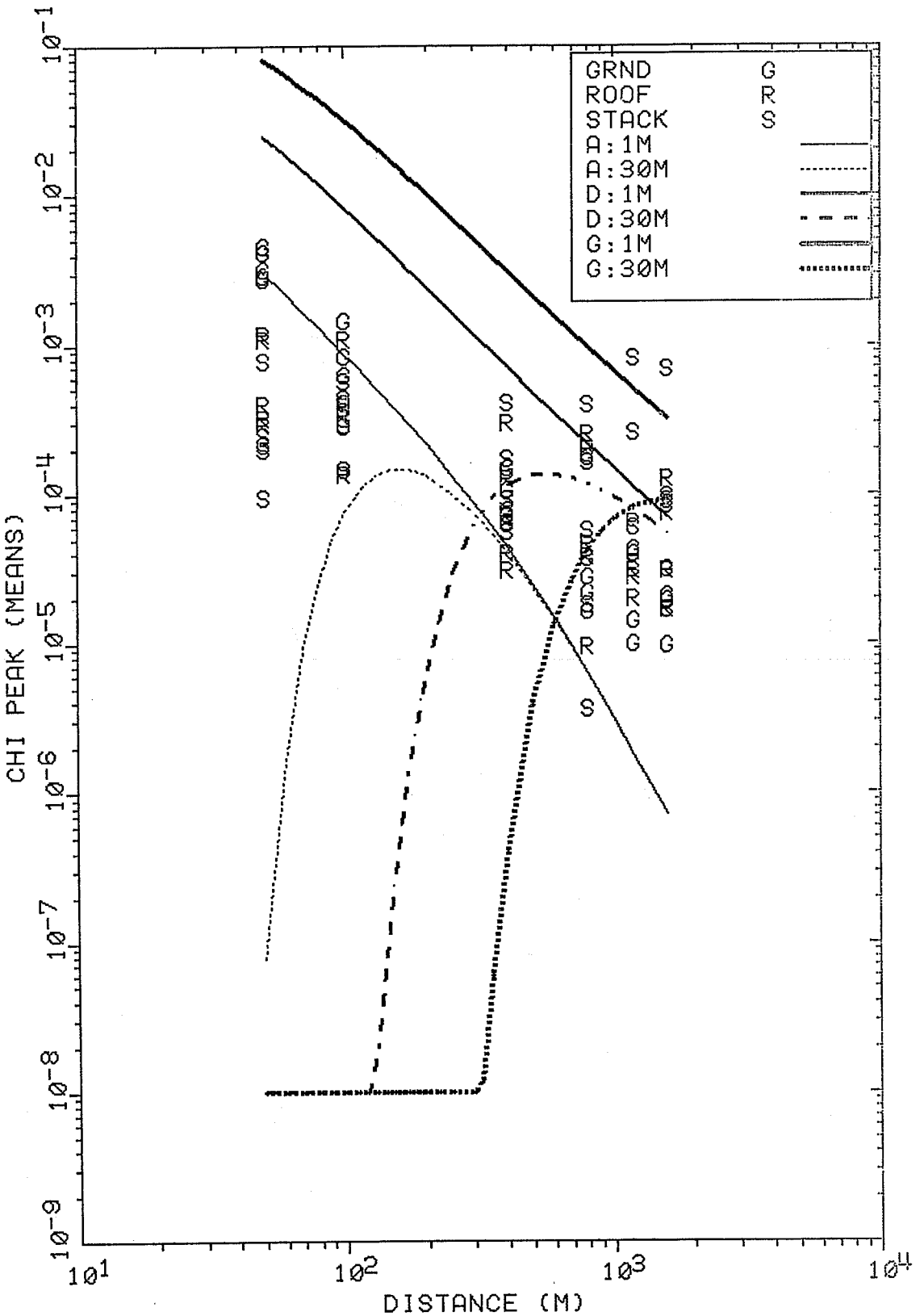


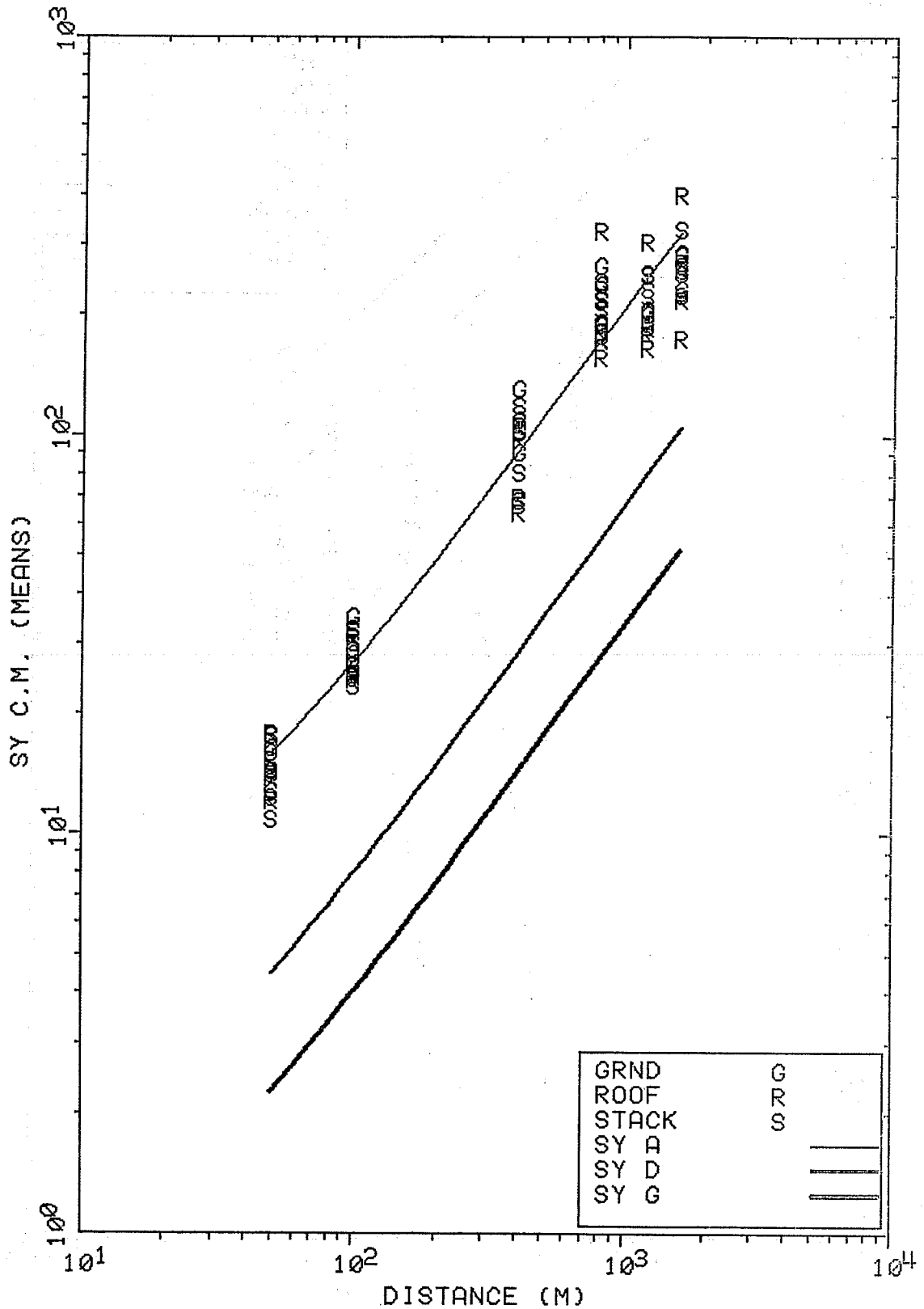
ALL RELEASES
EOCR SIGMA Y C.M. STABILITY=F 10/27/78



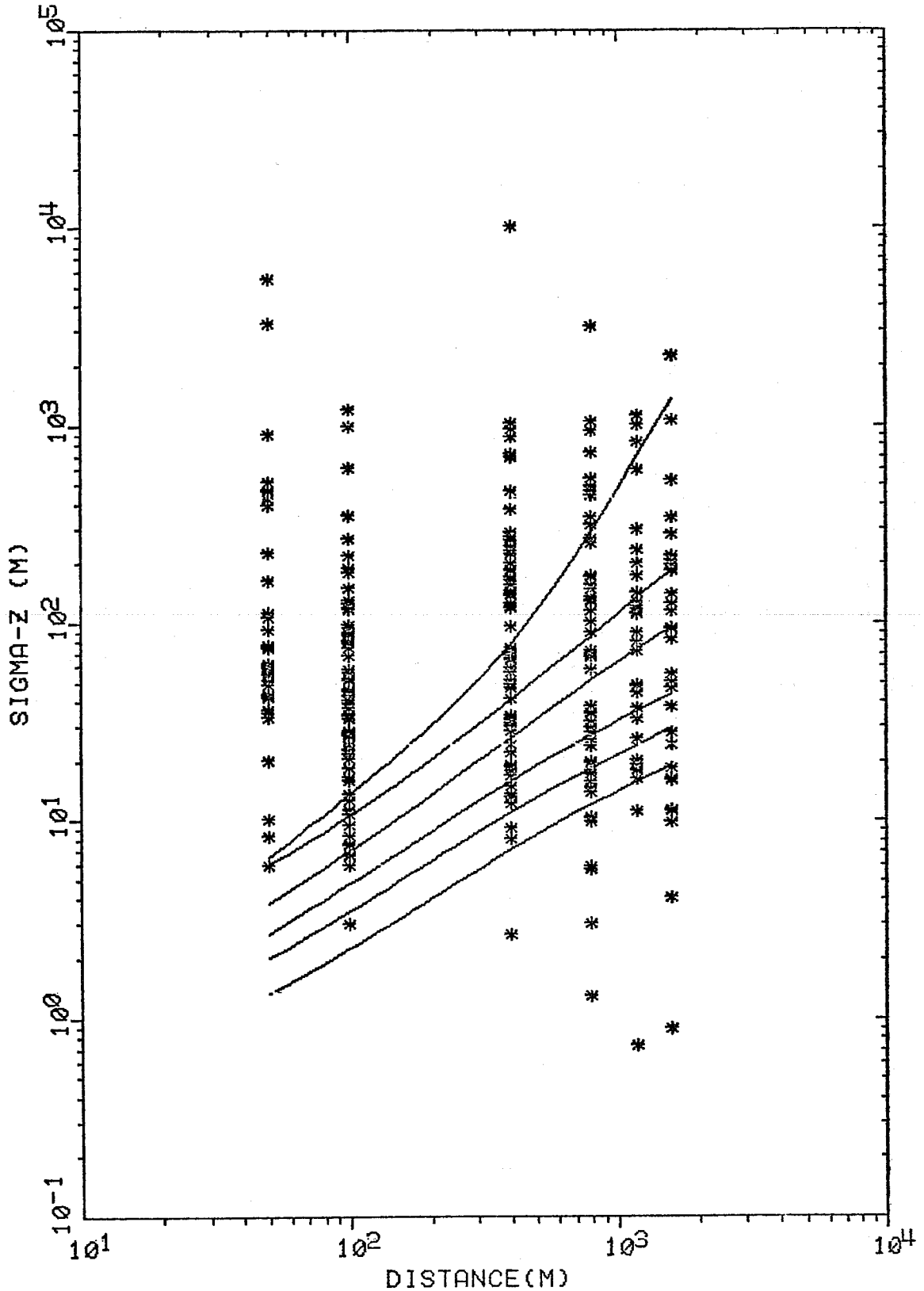
ALL RELEASES
EOCR SIGMA Y C.M. STABILITY=G 10/27/78



CHI PEAK (MEANS) FOR ALL RELEASES
ALL TESTS INCLUDED 11/24/78



SIGMA Y C.M. MEANS ALL RELEASES
ALL TESTS INCLUDED 11/24/78


SIGMA-Z (M)
DISTANCE(M)
10^-1
10^0
10^1
10^2
10^3
10^4
10^5
10^1
10^2
10^3
10^4

APPENDIX I: Numerical Methods for Calculation of Sigma-z Roots

From the eqn. 6 σ_z is seen to be related to σ_z (effective) through the following non-linear expression

$$\sigma_z(\text{effective}) = \sigma_z \exp\left\{\frac{1}{2}\left(\frac{H}{\sigma_z}\right)^2\right\} = \frac{2\,Q}{\pi\,u\,CIC(x;H)} \qquad (I\text{-}1)$$

If σ_z (effective) is determined from measurements of tracer concentration, windspeed, and source strength, and if an approximate plume axis height H is chosen, initial estimates of σ_z may be determined numerically. Although plume geometry departures from Gaussian are probable, and particularly near the structure, useful estimates of σ_z may be obtained for use in the Gaussian equation. Two roots of eqn (I-1) are possible; one root (lower or smaller) occurs when $H>>\sigma_z$ and the plume mass distribution is not uniform (assumed to be quasi-Gaussian). The second (upper or larger) root occurs when $H\simeq\sigma_z$ and $\sigma_z\simeq 0.6\sigma_z$ effective; in this situation the plume is well-mixed (at least below a "plume axis of sorts" which may even be a capping stable layer).

Equation (I-1) is solved by two separate numerical techniques. The Newton-Raphson iteration (Dorn and McCracken, 1972) is used on the lower (Gaussian solution) root which occurs where the solution curve attains a large negative slope. The method of false position (Conte, 1965) is used for the upper root (quasi uniformly mixed plume) which occurs along the solution curve with small positive to near-zero slope.

APPENDIX J: Complete Listing of Meteorological and Diffusion Parameters

This array is the basis for the statistical plots and summaries presented in the results section. Data are provided for each tracer gas (1=SF6, 2=F12, 3=12B2) and each sampling arc (1=50m, 2=100m, 3=400m, 5=1200m, 6=1600m) by each test. Ground tracer release data are not included for the 50m arc. The identification code IDENT allows unique description of each subset of information within the listed array.

Definitions of Meteorological and Diffusion Parameters.

IDENT Identification of data segment composed of four digits in the form TTAG where TT is the test number, A the arc number, and G the gas number.

STAB 1-7 NRC stability categories in 1=A, 2=B, etc.

CHI PEAK Chi u/Q maximum in m^{-2}.

SY C.M. Sigma-y in meters as calculated from equation 4 in text.

C.M. Position of center of mass in meters as calculated from equation 5 in text.

SZ EFF Sigma-z (effective in meters as calculated from the crosswind integrated concentration. Eq. 6 in text.

CIC NORM Normalized drosswind integrated concentration g/m^2.

SY Sigma-y in meters.

RLSE HT Release height of tracer in meters.

DWD(M) Downwind distance of arc in meters.

LOWER Lower root calculation for σ_z in meters. Assumed plume axis heights for ground and roof releases - 25m, stack release - 30m.

UPPER Upper root calculation for σ_z in meters. Assumed plume axis heights for ground and roof releases - 25M, stack release - 30m.

SY PG Pasquill-Gifford estimate of σ_y (meters).

RATIO SY Ratio of σ_y measured/P-G value.

SZ PG Pasquill-Gifford estimate of σ_z (meters).

RATIO SZ Ratio of σ_z (lower root calculation). /P-G value.

CHI PG Pasquill-Gifford estimate of maximum Chi u/Q (m^{-2}) at ground-level.[1]

RATIO C Ratio of P-G value of maximum Chi u/Q divided by the observed value.[2]

1 Estimated ground-level normalized concentration values were calculated using eqn. (2) with $y=o$. When calculated values were less than the minimum detectable or background value, the background normalized concentrations were substituted. At 100m downwind typical background values for stability class F were about $5x10^{-12}m^{-2}$. Equation (2) values were about $4x10^{-29}$ when a Gaussian distribution was applied to a roof height plume.

2 At short distances during stable conditions much smaller values could have been utilized were Gaussian distribution assumptions used instead of substitution of background concentrations, as described in footnote 1.

EOCR DIFFUSION RATIOS

ALL RELEASES:W/O 50M GRND TRACER; SZ(25) GRND ROOT(LOWER) 2/28/79

VARIABLE LABELS...

	IDENT SZ EFF LOWER RATIO SZ	STAB 1-7 CIC NORM UPPER CHI PG	CHI PEAK SY SY PG RATIO C	SY C.M. RLSE HT RATIO SY	C.M. DWD(M) SZ PG
1	311.00	6.0000	3.24681E-05	15.198	3.1323
	518.52	1.53879E-03	29.098	30.000	50.000
	10.779	517.65	2.4710	6.1504	1.2801
	8.4202	1.03267E-11	3.18058E-07		
2	321.00	6.0000	7.76979E-05	16.677	5.8955
	269.10	2.96505E-03	15.614	30.000	100.00
	12.034	267.41	4.6210	3.6090	2.2472
	5.3553	3.14563E-12	4.04854E-08		
3	331.00	6.0000	5.02097E-05	55.422	25.286
	127.14	6.27568E-03	45.348	30.000	400.00
	14.366	123.44	16.161	3.4295	6.8947
	2.0836	2.63912E-07	5.25619E-03		
4	411.00	5.0000	1.86754E-04	11.168	3.0031
	78.207	1.02823E-02	14.071	30.000	50.000
	17.256	71.641	3.5799	3.1196	1.9017
	9.0741	4.79803E-12	2.56917E-08		
5	421.00	5.0000	4.31344E-04	16.700	6.3283
	45.199	1.76527E-02	15.741	30.000	100.00
	27.415	27.415	6.6947	2.5065	3.4894
	7.8565	1.39828E-12	3.24168E-09		
6	431.00	5.0000	2.46480E-04	43.659	25.844
	28.466	2.80293E-02	33.772	30.000	400.00
	17.266	17.266	23.413	1.8648	10.960
	1.5754	3.00710E-05	0.12200		
7	441.00	5.0000	9.01725E-05	117.57	47.021
	31.541	2.52964E-02	117.64	30.000	800.00
	19.131	19.131	43.784	2.6852	18.315
	1.0446	1.04036E-04	1.1537		

EOCR DIFFUSION RATIOS

ALL RELEASES:W/O 50M GRND TRACER; SZ(25) GRND ROOT(LOWER) 2/28/79

VARIABLE LABELS...

	IDENT SZ EFF LOWER RATIO SZ	STAB 1-7 CIC NORM UPPER CHI PG	CHI PEAK SY SY PG RATIO C	SY C.M. RLSE HT RATIO SY	C.M. DWD(M) SZ PG
15	711.00	7.0000	3.93790E-04	13.975	1.5460
	51.906	1.53718E-02	56.590	30.000	50.000
	24.448	38.009	1.7056	8.1935	0.86165
	28.373	2.22261E-11	5.64416E-08		
16	721.00	7.0000	1.15003E-04	45.209	6.1787
	94.619	8.43262E-03	100.73	30.000	100.00
	15.878	89.443	3.1896	14.174	1.4472
	10.972	7.07654E-12	6.15335E-08		
17	731.00	7.0000	8.35569E-06	182.80	28.939
	690.89	1.15487E-03	514.52	30.000	400.00
	10.350	690.24	11.155	16.388	4.3375
	2.3861	9.83704E-13	1.17729E-07		
18	741.00	7.0000	9.01603E-06	283.11	49.176
	114.64	6.95970E-03	539.06	30.000	800.00
	14.835	110.49	20.860	13.572	7.5384
	1.9679	8.34195E-07	9.25235E-02		
19	811.00	6.0000	1.99704E-04	13.534	2.1946
	61.275	1.30214E-02	32.393	30.000	50.000
	20.087	51.820	2.4710	5.4769	1.2801
	15.692	1.03267E-11	5.17103E-08		
20	821.00	6.0000	2.47513E-04	24.828	4.4888
	58.337	1.36772E-02	56.469	30.000	100.00
	20.974	47.974	4.6210	5.3729	2.2472
	9.3335	3.14563E-12	1.27098E-08		
21	831.00	6.0000	1.46631E-05	49.288	12.803
	378.08	2.11035E-03	92.625	30.000	400.00
	11.326	376.89	16.161	3.0494	6.8947
	1.6427	2.63912E-07	1.79984E-02		

EOCR DIFFUSION RATIOS

ALL RELEASES:W/O 50M GRND TRACER; SZ(25) GRND ROOT(LOWER) 2/28/79

VARIABLE LABELS...

	IDENT SZ EFF LOWER RATIO SZ	STAB 1-7 CIC NORM UPPER CHI PG	CHI PEAK SY SY PG RATIO C	SY C.M. RLSE HT RATIO SY	C.M. DWD(M) SZ PG
8	511.00	1.0000	2.29830E-03	12.246	2.4216
	8.3686	9.53432E-02	18.629	30.000	50.000
	5.0758	5.0758	12.519	0.97815	7.4737
	0.67915	1.22704E-06	5.33890E-04		
9	521.00	1.0000	1.97887E-03	22.670	5.6062
	6.8168	0.13261	25.249	30.000	100.00
	3.6494	3.6494	23.412	0.96831	14.300
	0.25521	1.06152E-04	5.36430E-02		
10	531.00	1.0000	1.85882E-04	67.292	23.062
	22.237	3.58817E-02	75.882	30.000	400.00
	13.487	13.487	81.877	0.82186	83.425
	0.16167	4.36758E-05	0.23499		
11	611.00	4.0000	3.20823E-04	15.117	2.2883
	42.291	1.88665E-02	31.558	30.000	50.000
	25.651	25.651	5.0345	3.0028	2.4798
	10.344	2.61641E-12	8.15530E-09		
12	621.00	4.0000	3.24693E-04	27.294	4.7448
	28.151	2.83430E-02	60.848	30.000	100.00
	17.074	17.074	9.4148	2.8990	4.5568
	3.7470	6.33019E-12	1.94960E-08		
13	631.00	4.0000	6.52322E-05	105.38	19.613
	24.038	3.31928E-02	252.09	30.000	400.00
	14.580	14.580	32.926	3.2004	15.394
	0.94710	9.45872E-05	1.4500		
14	641.00	4.0000	2.61280E-05	203.73	42.673
	35.389	2.25460E-02	423.47	30.000	800.00
	21.465	21.465	61.573	3.3087	26.555
	0.80831	1.02861E-04	3.9368		

EOCR DIFFUSION RATIOS

ALL RELEASES:W/O 50M GRND TRACER; SZ(25) GRND ROOT(LOWER) 2/28/79

VARIABLE LABELS...

	IDENT SZ EFF LOWER RATIO SZ	STAB 1-7 CIC NORM UPPER CHI PG	CHI PEAK SY SY PG RATIO C	SY C.M. RLSE HT RATIO SY	C.M. DWD(M) SZ PG
22	841.00	6.0000	2.14702E-06	110.19	47.571
	1045.5	7.63125E-04	111.18	30.000	800.00
	9.8184	1045.1	30.222	3.6461	11.750
	0.83561	3.51198E-05	16.357		
23	921.00	7.0000	2.69916E-04	21.627	3.9168
	34.503	2.31251E-02	42.307	30.000	100.00
	20.927	20.927	3.1896	6.7803	1.4472
	14.461	7.07654E-12	2.62176E-08		
24	931.00	7.0000	3.85050E-05	98.052	20.046
	69.844	1.14238E-02	207.03	30.000	400.00
	18.348	62.166	11.155	8.7981	4.3375
	4.2380	9.83704E-13	2.55474E-08		
25	941.00	7.0000	2.35526E-05	190.97	37.228
	58.857	1.35564E-02	455.41	30.000	800.00
	20.799	48.673	20.860	9.1545	7.5384
	2.7591	8.34195E-07	3.54184E-02		
26	1021.0	1.0000	2.39543E-04	31.165	5.6188
	40.436	1.97323E-02	56.648	30.000	100.00
	24.525	24.525	23.412	1.3311	14.300
	1.7151	1.06152E-04	0.44314		
27	1031.0	1.0000	1.99417E-05	114.92	24.021
	157.28	5.07305E-03	206.47	30.000	400.00
	13.548	154.34	81.877	1.4036	83.425
	0.16239	4.36798E-05	2.1904		
28	1041.0	1.0000	2.81364E-06	174.45	44.443
	466.02	1.71213E-03	309.48	30.000	800.00
	10.954	465.05	153.12	1.1394	294.00
	3.72567E-02	7.03418E-06	2.5000		

EDCR DIFFUSION RATIOS

ALL RELEASES:W/O 50M GRND TRACER; SZ(25) GRND ROOT(LOWER) 2/28/79

VARIABLE LABELS...

	IDENT SZ EFF LOWER RATIO SZ	STAB 1-7 CIC NORM UPPER CHI PG	CHI PEAK SY SY PG RATIO C	SY C.M. RLSE HT RATIO SY	C.M. DWD(M) SZ PG
29	1111.0	1.0000	3.59822E-06	23.678	3.0114
	3280.9	2.43192E-04	61.900	30.000	50.000
	8.7102	3280.8	12.519	1.8913	7.4737
	1.1654	1.22704E-06	0.34101		
30	1121.0	1.0000	5.32049E-06	45.845	5.5550
	1200.4	6.64675E-04	134.51	30.000	100.00
	9.6599	1200.0	23.412	1.9581	14.300
	0.67553	1.06152E-04	19.922		
31	1131.0	1.0000	1.73150E-07	103.98	19.859
	10225.	7.80333E-05	250.47	30.000	400.00
	7.9264	10225.	81.877	1.2609	83.425
	9.50123E-02	4.36798E-05	252.25		
32	1211.0	5.0000	8.96280E-06	8.5647	3.2608
	5606.2	1.42323E-04	7.5724	30.000	50.000
	8.3113	5606.1	3.5799	2.3924	1.9017
	4.3704	4.79803E-12	5.55322E-07		
33	1221.0	5.0000	3.24214E-05	17.852	6.5132
	1002.7	7.95719E-04	12.334	30.000	100.00
	9.8680	1002.3	6.6947	2.6666	3.4894
	2.8280	1.39828E-12	4.31203E-08		
34	1231.0	5.0000	2.07645E-05	61.149	25.725
	271.64	2.93733E-03	46.383	30.000	400.00
	12.012	269.96	23.413	2.6118	10.960
	1.0361	3.00710E-05	1.4482		
35	1241.0	5.0000	2.18386E-05	133.81	52.407
	171.82	4.64363E-03	144.42	30.000	800.00
	13.252	169.14	43.704	3.0561	18.315
	0.72359	1.04036E-04	4.7639		

EDCR DIFFUSION RATIOS

ALL RELEASES:W/O 50M GRND TRACER; SZ(25) GRND ROOT(LOWER) 2/28/79

VARIABLE LABELS...

	IDENT SZ EFF LOWER RATIO SZ	STAB 1-7 CIC NORM UPPER CHI PG	CHI PEAK SY SY PG RATIO C	SY C.M. RLSE HT RATIO SY	C.M. DWD(M) SZ PG
43	1442.0	5.0000	6.25512E-04	314.90	56.379
	2.9986	0.26608	450.09	30.000	800.00
	1.0188	1.0188	43.704	7.1923	18.315
	9.93066E-02	1.04036E-04	0.16632		
44	1452.0	5.0000	2.22767E-03	232.04	32.268
	0.73563	1.0046	718.39	30.000	1200.0
	0.44618	0.44618	63.145	3.6747	24.501
	1.82107E-02	9.72637E-05	4.36616E-02		
45	1462.0	5.0000	2.03123E-03	388.65	54.913
	0.88990	0.89660	1031.7	30.000	1600.0
	0.53975	0.53975	81.879	4.6489	29.866
	1.80722E-02	7.85964E-05	3.86941E-02		
46	1512.0	4.0000	1.73795E-04	13.520	2.2654
	56.929	1.40155E-02	34.557	30.000	50.000
	21.494	46.033	5.0345	2.6856	2.4798
	8.6677	2.61641E-12	1.50546E-08		
47	1522.0	4.0000	3.82694E-04	25.252	5.6402
	28.259	2.82349E-02	34.224	30.000	100.00
	17.140	17.140	9.4148	2.6822	4.5568
	3.7614	6.33019E-12	1.65411E-08		
48	1532.0	4.0000	1.17609E-04	100.41	22.883
	33.051	2.41411E-02	185.19	30.000	400.00
	20.046	20.046	32.926	3.2927	15.394
	1.3022	9.45872E-05	0.80425		
49	1542.0	4.0000	4.47653E-05	197.82	40.753
	20.004	3.98865E-02	379.48	30.000	800.00
	12.133	12.133	61.573	3.2128	26.555
	0.45690	1.02861E-04	2.2978		

EDCR DIFFUSION RATIOS

ALL RELEASES:W/O 50M GRND TRACER; SZ(25) GRND ROOT(LOWER) 2/28/79

VARIABLE LABELS...

	IDENT SZ EFF LOWER RATIO SZ	STAB 1-7 CIC NORM UPPER CHI PG	CHI PEAK SY SY PG RATIO C	SY C.M. RLSE HT RATIO SY	C.M. DWD(M) SZ PG
36	1311.0	1.0000	5.16083E-05	16.814	2.3216
	425.03	1.87726E-03	42.518	30.000	50.000
	11.113	423.96	12.519	1.3438	7.4737
	1.4869	1.22704E-06	2.37760E-02		
37	1321.0	1.0000	4.75870E-05	31.366	4.3203
	221.83	3.59685E-03	91.631	30.000	100.00
	12.510	219.77	23.412	1.3397	14.300
	0.87485	1.06152E-04	2.2307		
38	1331.0	1.0000	2.00926E-05	169.85	23.191
	464.31	1.71844E-03	381.60	30.000	400.00
	10.960	463.33	81.877	2.0744	83.425
	0.13137	4.36798E-05	2.1739		
39	1341.0	1.0000	4.48834E-06	316.23	39.014
	314.38	2.53795E-03	1137.2	30.000	800.00
	11.692	312.94	153.12	2.0653	294.00
	3.97684E-02	7.03410E-06	1.5672		
40	1412.0	5.0000	3.67125E-04	26.534	3.1727
	35.216	2.26569E-02	86.185	30.000	50.000
	21.360	21.360	3.5799	7.4120	1.9017
	11.232	4.79803E-12	1.30692E-08		
41	1422.0	5.0000	1.20761E-03	45.753	6.8678
	7.6165	0.10476	99.505	30.000	100.00
	4.6196	4.6196	6.6947	6.8342	3.4894
	1.3239	1.39828E-12	1.15789E-09		
42	1432.0	5.0000	1.70943E-03	104.77	18.376
	2.6664	0.29924	206.36	30.000	400.00
	1.6172	1.6172	23.413	4.4747	10.960
	0.14756	3.00710E-05	1.75912E-02		

EDCR DIFFUSION RATIOS

ALL RELEASES:W/O 50M GRND TRACER; SZ(25) GRND ROOT(LOWER) 2/28/79

VARIABLE LABELS...

	IDENT SZ EFF LOWER RATIO SZ	STAB 1-7 CIC NORM UPPER CHI PG	CHI PEAK SY SY PG RATIO C	SY C.M. RLSE HT RATIO SY	C.M. DWD(M) SZ PG
50	1552.0	4.0000	5.16494E-05	258.56	38.448
	16.434	4.85498E-02	637.68	30.000	1200.0
	9.9679	9.9679	88.802	2.9116	35.891
	0.27773	7.04172E-05	1.3634		
51	1562.0	4.0000	4.83570E-05	276.77	39.428
	18.555	4.38016E-02	881.29	30.000	1600.0
	11.254	11.254	115.15	2.4036	43.715
	0.25744	4.99620E-05	1.0332		
52	1622.0	4.0000	5.17164E-04	38.192	5.9118
	20.483	3.89531E-02	61.168	30.000	100.00
	12.424	12.424	9.4148	4.0565	4.5568
	2.7264	6.33819E-12	1.22402E-08		
53	1632.0	4.0000	9.26206E-05	97.609	21.539
	32.020	2.49183E-02	183.52	30.000	400.00
	19.421	19.421	32.926	2.9645	15.394
	1.2616	9.45872E-05	1.0211		
54	1642.0	4.0000	9.92351E-05	262.81	60.168
	19.660	4.85838E-02	347.62	30.000	800.00
	11.925	11.925	61.573	4.2553	26.555
	0.44905	1.02861E-04	1.0365		
55	1652.0	4.0000	6.76893E-05	251.15	37.344
	18.094	4.40971E-02	582.04	30.000	1200.0
	10.974	10.974	88.802	2.8282	35.891
	0.30577	7.04172E-05	1.0403		
56	1662.0	4.0000	1.30959E-04	257.29	36.671
	11.384	7.00896E-02	757.38	30.000	1600.0
	6.9046	6.9046	115.15	2.2344	43.715
	0.15795	4.99620E-05	0.38151		

EOCR DIFFUSION RATIOS

ALL RELEASES:W/O 50M GRND TRACER; SZ(25) GRND ROOT(LOWER) 2/28/79

VARIABLE LABELS...

	IDENT SZ EFF LOWER RATIO SZ	STAB 1-7 CIC NORM UPPER CHI PG	CHI PEAK SY SY PG RATIO C	SY C.M. RLSE HT RATIO SY	C.M. DWD(M) SZ PG
57	1722.0	7.0000	1.00620E-03	43.112	6.5410
	24.140	3.30517E-02	100.98	30.000	100.00
	14.642	14.642	3.1896	13.516	1.4472
	10.118	7.07654E-12	7.03292E-09		
58	1732.0	7.0000	6.25872E-04	123.39	20.366
	8.1670	9.76962E-02	329.68	30.000	400.00
	4.9535	4.9535	11.155	11.061	4.3375
	1.1428	9.83704E-13	1.57174E-09		
59	1742.0	7.0000	1.69328E-03	246.53	40.648
	1.2993	0.61411	610.75	30.000	800.00
	0.78804	0.78804	20.860	11.818	7.5384
	0.10454	8.34195E-07	4.92650E-04		
60	1752.0	7.0000	9.23208E-04	206.35	32.207
	11.209	7.11828E-02	394.20	30.000	1200.0
	6.7986	6.7986	30.085	6.8589	10.545
	0.64470	1.80991E-05	1.96046E-02		
61	1762.0	7.0000	2.38035E-04	187.52	25.059
	11.153	7.15371E-02	694.41	30.000	1600.0
	6.7649	6.7649	39.011	4.8068	12.746
	0.53073	4.86835E-05	0.17091		
62	1812.0	6.0000	5.50151E-05	8.3324	2.9206
	399.08	1.99933E-03	10.465	30.000	50.000
	11.226	397.94	2.4710	3.3721	1.2801
	9.7696	1.03267E-11	1.87708E-07		
63	1822.0	6.0000	1.26363E-04	30.037	6.5051
	68.886	1.15027E-02	46.804	30.000	100.00
	18.502	61.051	4.6210	6.5002	2.2472
	8.2334	3.14563E-12	2.48937E-08		

EOCR DIFFUSION RATIOS

ALL RELEASES:W/O 50M GRND TRACER; SZ(25) GRND ROOT(LOWER) 2/28/79

VARIABLE LABELS...

	IDENT SZ EFF LOWER RATIO SZ	STAB 1-7 CIC NORM UPPER CHI PG	CHI PEAK SY SY PG RATIO C	SY C.M. RLSE HT RATIO SY	C.M. DWD(M) SZ PG
71	1952.0	7.0000	2.72024E-05	267.80	43.547
	48.410	1.64816E-02	496.25	30.000	1200.0
	29.362	29.362	30.085	8.9016	10.545
	2.7844	1.80991E-05	0.66535		
72	1962.0	7.0000	4.67806E-06	185.14	37.119
	185.41	4.30341E-03	413.81	30.000	1600.0
	13.015	182.93	39.011	4.7459	12.746
	1.0211	4.86835E-05	8.6967		
73	2012.0	7.0000	4.35961E-05	6.5296	3.2260
	907.27	8.79432E-04	5.8520	30.000	50.000
	9.9902	906.78	1.7056	3.8283	0.86165
	11.594	2.22261E-11	5.09819E-07		
74	2022.0	7.0000	1.27750E-04	33.540	5.0462
	82.258	9.69980E-03	101.99	30.000	100.00
	16.046	76.109	3.1896	10.515	1.4472
	11.640	7.07654E-12	5.53936E-08		
75	2032.0	7.0000	7.40429E-05	117.33	24.374
	49.117	1.62445E-02	249.68	30.000	400.00
	29.791	29.791	11.155	10.518	4.3375
	6.8683	9.83704E-13	1.32856E-08		
76	2042.0	7.0000	3.00362E-05	149.54	64.747
	155.96	5.11608E-03	83.668	30.000	800.00
	13.577	152.99	20.860	7.1684	7.5384
	1.8011	8.34195E-07	2.77729E-02		
77	2052.0	7.0000	4.81275E-05	282.45	30.195
	37.345	2.13654E-02	614.79	30.000	1200.0
	22.651	22.651	30.085	6.7294	10.545
	2.1480	1.80991E-05	0.45104		

EOCR DIFFUSION RATIOS

ALL RELEASES:W/O 50M GRND TRACER; SZ(25) GRND ROOT(LOWER) 2/28/79

VARIABLE LABELS...

	IDENT SZ EFF LOWER RATIO SZ	STAB 1-7 CIC NORM UPPER CHI PG	CHI PEAK SY SY PG RATIO C	SY C.M. RLSE HT RATIO SY	C.M. DWD(M) SZ PG
64	1832.0	6.0000	1.81392E-04	87.033	25.684
	33.891	2.35430E-02	98.892	30.000	400.00
	20.556	20.556	16.161	5.3855	6.8947
	2.9814	2.63912E-07	1.45493E-03		
65	1842.0	6.0000	4.20648E-05	229.31	59.424
	38.103	2.09404E-02	294.64	30.000	800.00
	23.110	23.110	30.222	7.5877	11.750
	1.9669	3.51190E-05	0.83490		
66	1852.0	6.0000	6.05939E-05	251.53	46.766
	20.389	3.92872E-02	408.12	30.000	1200.0
	12.318	12.318	43.506	5.7718	16.074
	0.76634	7.99947E-05	1.3202		
67	1862.0	6.0000	1.19955E-05	168.25	48.610
	92.364	8.63848E-03	251.72	30.000	1600.0
	16.030	87.037	56.517	2.9769	19.511
	0.82157	8.86741E-05	7.3923		
68	1922.0	7.0000	8.73192E-05	36.000	5.6534
	80.353	9.92979E-03	72.353	30.000	100.00
	17.031	74.015	3.1896	11.287	1.4472
	11.769	7.07654E-12	8.10422E-08		
69	1932.0	7.0000	5.66644E-05	103.94	23.015
	68.655	1.16217E-02	192.97	30.000	400.00
	18.540	68.788	11.155	9.3175	4.3375
	4.2744	9.83704E-13	1.73602E-08		
70	1942.0	7.0000	3.03723E-04	196.34	39.305
	14.003	5.69801E-02	439.68	30.000	800.00
	8.4932	8.4932	20.860	9.4119	7.5384
	1.1267	8.34195E-07	2.74656E-03		

EOCR DIFFUSION RATIOS

ALL RELEASES:W/O 50M GRND TRACER; SZ(25) GRND ROOT(LOWER) 2/28/79

VARIABLE LABELS...

	IDENT SZ EFF LOWER RATIO SZ	STAB 1-7 CIC NORM UPPER CHI PG	CHI PEAK SY SY PG RATIO C	SY C.M. RLSE HT RATIO SY	C.M. DWD(M) SZ PG
78	2062.0	7.0000	8.28846E-05	222.94	31.753
	16.395	4.86673E-02	770.33	30.000	1600.0
	9.9439	9.9439	39.011	5.7148	12.746
	0.78014	4.86835E-05	0.49085		
79	2112.0	7.0000	2.02701E-04	12.017	3.4848
	226.65	3.52038E-03	17.779	30.000	50.000
	12.454	224.63	1.7056	7.0457	0.86165
	14.454	2.22261E-11	1.09650E-07		
80	2122.0	7.0000	1.10361E-04	14.568	2.3486
	125.64	6.35065E-03	45.145	30.000	100.00
	14.417	121.89	3.1896	4.5672	1.4472
	9.9624	7.07654E-12	6.41217E-08		
81	2132.0	7.0000	2.23188E-04	89.047	13.021
	13.174	6.05657E-02	300.82	30.000	400.00
	7.9904	7.9904	11.155	7.9828	4.3375
	1.8422	9.83704E-13	4.40751E-09		
82	2142.0	7.0000	3.08647E-04	247.95	37.784
	9.5334	8.03232E-02	763.03	30.000	800.00
	6.0249	6.0249	20.860	11.886	7.5384
	0.79923	8.34195E-07	2.70275E-03		
83	2152.0	7.0000	3.63634E-05	218.71	29.918
	25.901	3.08050E-02	724.74	30.000	1200.0
	15.710	15.710	30.085	7.2698	10.545
	1.4898	1.80991E-05	0.49773		
84	2162.0	7.0000	6.58564E-05	302.68	42.865
	15.934	5.00736E-02	938.96	30.000	1600.0
	9.6646	9.6646	39.011	7.7589	12.746
	0.75823	4.86835E-05	0.61776		

EOCR DIFFUSION RATIOS

ALL RELEASES:W/O 50M GRND TRACER; SZ(25) GRND ROOT(LOWER) 2/28/79

VARIABLE LABELS...

	IDENT SZ EFF LOWER RATIO SZ	STAB 1-7 CIC NORM UPPER CHI PG	CHI PEAK SY SY PG RATIO C	SY C.M. RLSE HT RATIO SY	C.M. DWD(M) SZ PG
85	2222.0	5.0000	2.40242E-04	25.324	4.1820
	51.337	1.55422E-02	67.564	30.000	100.00
	25.027	36.854	6.6947	3.7026	3.4894
	7.1723	1.39828E-12	5.82028E-09		
86	2232.0	5.0000	6.24653E-05	94.259	16.139
	29.857	2.67231E-02	243.56	30.000	400.00
	18.109	18.109	23.413	4.0260	10.960
	1.6524	3.00710E-05	0.48140		
87	2242.0	5.0000	5.99530E-05	281.38	49.585
	23.721	3.36363E-02	721.35	30.000	800.00
	14.387	14.387	43.784	6.4266	18.315
	0.78558	1.04036E-04	1.7353		
88	2252.0	5.0000	1.77437E-04	230.17	34.348
	19.337	4.12631E-02	556.43	30.000	1200.0
	11.728	11.728	63.145	3.6451	24.501
	0.47868	9.72637E-05	0.54816		
89	2262.0	5.0000	4.75717E-05	282.90	42.280
	24.212	3.29538E-02	889.13	30.000	1600.0
	14.685	14.685	81.879	3.4552	29.866
	0.49171	7.85964E-05	1.6522		
90	2312.0	5.0000	2.35670E-04	10.140	2.7385
	106.77	7.47324E-03	12.403	30.000	50.000
	15.191	102.27	3.5799	2.8324	1.9017
	7.9883	4.79803E-12	2.03591E-08		
91	2322.0	5.0000	2.62269E-04	19.671	3.5606
	56.559	1.41070E-02	38.601	30.000	100.00
	21.645	45.510	6.6947	2.9382	3.4894
	6.2029	1.39828E-12	5.33147E-09		

EOCR DIFFUSION RATIOS

ALL RELEASES:W/O 50M GRND TRACER; SZ(25) GRND ROOT(LOWER) 2/28/79

VARIABLE LABELS...

	IDENT SZ EFF LOWER RATIO SZ	STAB 1-7 CIC NORM UPPER CHI PG	CHI PEAK SY SY PG RATIO C	SY C.M. RLSE HT RATIO SY	C.M. DWD(M) SZ PG
99	2452.0	6.0000	8.95613E-06	257.05	36.603
	116.80	6.83142E-03	734.24	30.000	1200.0
	14.746	112.73	43.586	5.8976	16.074
	0.91740	7.99947E-05	8.9318		
100	2462.0	6.0000	2.20380E-05	351.48	54.602
	55.576	1.43567E-02	699.51	30.000	1600.0
	22.079	44.088	56.517	6.2189	19.511
	1.1316	8.86741E-05	4.0237		
101	313.00	6.0000	5.70203E-05	8.7991	2.8007
	469.98	1.69769E-03	18.835	25.000	50.000
	8.8725	469.32	2.4710	3.5609	1.2801
	6.9312	1.03267E-11	1.81107E-07		
102	323.00	6.0000	6.88499E-05	13.353	6.8427
	351.20	2.27186E-03	18.654	25.000	100.00
	9.2729	350.31	4.6210	2.8897	2.2472
	4.1265	3.14563E-12	4.56883E-08		
103	333.00	6.0000	1.84536E-05	39.765	34.286
	723.73	1.10246E-03	20.142	25.000	400.00
	8.3709	723.30	16.161	2.4606	6.8947
	1.2141	4.50638E-06	0.24420		
104	413.00	5.0000	6.05684E-04	10.683	2.8433
	36.556	2.18265E-02	14.330	25.000	50.000
	22.172	22.172	3.5799	2.9841	1.9017
	11.659	4.79803E-12	7.92168E-09		
105	423.00	5.0000	5.55992E-04	16.625	6.2509
	34.280	2.32754E-02	15.864	25.000	100.00
	20.792	20.792	6.6947	2.4833	3.4894
	5.9586	1.39828E-12	2.51493E-09		

EOCR DIFFUSION RATIOS

ALL RELEASES:W/O 50M GRND TRACER; SZ(25) GRND ROOT(LOWER) 2/28/79

VARIABLE LABELS...

	IDENT SZ EFF LOWER RATIO SZ	STAB 1-7 CIC NORM UPPER CHI PG	CHI PEAK SY SY PG RATIO C	SY C.M. RLSE HT RATIO SY	C.M. DWD(M) SZ PG
92	2332.0	5.0000	1.97010E-05	100.01	23.203
	187.94	4.24549E-03	169.99	30.000	400.00
	12.975	185.50	23.413	4.2716	10.960
	1.1839	3.00710E-05	1.5264		
93	2342.0	5.0000	2.16527E-05	195.74	39.814
	69.843	1.14239E-02	419.59	30.000	800.00
	18.348	62.166	43.784	4.4706	18.315
	1.0018	1.04036E-04	4.8047		
94	2352.0	5.0000	4.46964E-05	240.19	36.713
	44.412	1.79657E-02	537.93	30.000	1200.0
	26.937	26.937	63.145	3.8038	24.501
	1.0994	9.72637E-05	2.1761		
95	2362.0	5.0000	6.36697E-06	320.60	47.194
	125.66	6.34958E-03	830.48	30.000	1600.0
	14.416	121.91	81.879	3.9156	29.866
	0.40270	7.85964E-05	12.344		
96	2422.0	6.0000	1.33587E-04	22.277	6.2999
	82.757	9.64126E-03	25.626	30.000	100.00
	16.799	76.656	4.6210	4.8209	2.2472
	7.4756	3.14563E-12	2.35616E-08		
97	2432.0	6.0000	1.47644E-05	83.604	23.968
	289.77	2.75356E-03	111.58	30.000	400.00
	11.867	288.20	16.161	5.1733	6.8947
	1.7212	2.63912E-07	1.78749E-02		
98	2442.0	6.0000	9.82847E-06	234.42	51.745
	173.66	4.59464E-03	440.18	30.000	800.00
	13.219	171.00	30.222	7.7566	11.750
	1.1250	3.51198E-05	3.5733		

EOCR DIFFUSION RATIOS

ALL RELEASES:W/O 50M GRND TRACER; SZ(25) GRND ROOT(LOWER) 2/28/79

VARIABLE LABELS...

	IDENT SZ EFF LOWER RATIO SZ	STAB 1-7 CIC NORM UPPER CHI PG	CHI PEAK SY SY PG RATIO C	SY C.M. RLSE HT RATIO SY	C.M. DWD(M) SZ PG
106	433.00	5.0000	1.19458E-04	45.224	19.146
	46.779	1.78566E-02	48.121	25.000	400.00
	18.188	37.415	23.413	1.9316	10.960
	1.6595	9.35911E-05	0.78346		
107	513.00	1.0000	9.30659E-04	11.697	2.4107
	20.098	3.97001E-02	20.290	25.000	50.000
	12.190	12.190	12.519	0.93429	7.4737
	1.6310	1.38109E-05	1.48399E-02		
108	523.00	1.0000	6.73347E-04	20.222	5.4061
	18.532	4.30546E-02	26.431	25.000	100.00
	11.240	11.240	23.412	0.86374	14.300
	0.78604	2.07274E-04	0.30783		
109	533.00	1.0000	6.23789E-05	46.284	28.138
	121.97	6.54181E-03	33.430	25.000	400.00
	11.505	119.32	81.877	0.56529	83.425
	0.13791	4.45512E-05	0.71430		
110	613.00	4.0000	2.25387E-03	12.724	1.3780
	10.169	7.84616E-02	58.088	25.000	50.000
	6.1679	6.1679	5.0345	2.5274	2.4798
	2.4872	2.61641E-12	1.16085E-09		
111	623.00	4.0000	3.75522E-04	28.348	4.4792
	33.122	2.40890E-02	85.553	25.000	100.00
	20.090	20.090	9.4140	3.0102	4.5568
	4.4087	3.82970E-09	1.01983E-05		
112	633.00	4.0000	2.81059E-05	100.39	21.467
	75.079	1.06272E-02	208.00	25.000	400.00
	13.493	70.504	32.926	3.0489	15.394
	0.87653	1.68563E-04	5.9974		

EOCR DIFFUSION RATIOS

ALL RELEASES:W/O 50M GRND TRACER; SZ(25) GRND ROOT(LOWER) 2/28/79

VARIABLE LABELS...

	IDENT SZ EFF LOWER RATIO SZ	STAB 1-7 CIC NORM UPPER CHI PG	CHI PEAK SY SY PG RATIO C	SY C.M. RLSE HT RATIO SY	C.M. DWD(M) SZ PG
113	643.00	4.0000	1.37569E-05	130.41	47.509
	15.837	5.03805E-02	144.14	25.000	800.00
	9.6057	9.6057	61.573	2.1179	26.555
	0.36173	1.24973E-04	9.0844		
114	713.00	7.0000	4.94020E-04	14.000	1.6639
	48.790	1.63534E-02	58.233	25.000	50.000
	17.418	40.216	1.7056	8.6772	0.86165
	20.215	2.22261E-11	4.49904E-08		
115	723.00	7.0000	5.59555E-05	44.964	6.2656
	132.02	6.04354E-03	107.16	25.000	100.00
	11.269	129.59	3.1896	14.097	1.4472
	7.7868	7.07654E-12	1.26467E-07		
116	733.00	7.0000	1.75922E-05	162.34	28.706
	120.33	6.63059E-03	358.04	25.000	400.00
	11.547	117.65	11.155	14.554	4.3375
	2.6621	7.91343E-10	4.49827E-05		
117	743.00	7.0000	1.31975E-04	273.50	47.787
	25.659	3.10953E-02	498.81	25.000	800.00
	15.563	15.563	20.860	13.111	7.5384
	2.0645	9.01421E-06	6.83022E-02		
118	813.00	6.0000	4.04285E-03	29.451	3.6983
	5.9718	0.13361	70.718	25.000	50.000
	3.6221	3.6221	2.4718	11.919	1.2801
	2.8296	1.03267E-11	2.55432E-09		
119	823.00	6.0000	3.80696E-03	41.807	4.9573
	3.0502	0.26159	144.26	25.000	100.00
	1.8500	1.8500	4.6210	9.0471	2.2472
	0.82327	3.14563E-12	8.26285E-10		

EOCR DIFFUSION RATIOS

ALL RELEASES:W/O 50M GRND TRACER; SZ(25) GRND ROOT(LOWER) 2/28/79

VARIABLE LABELS...

	IDENT SZ EFF LOWER RATIO SZ	STAB 1-7 CIC NORM UPPER CHI PG	CHI PEAK SY SY PG RATIO C	SY C.M. RLSE HT RATIO SY	C.M. DWD(M) SZ PG
127	1112.0	1.0000	1.08513E-04	18.611	2.0972
	113.63	7.02189E-03	73.851	25.000	50.000
	11.731	110.77	12.519	1.4866	7.4737
	1.5697	1.38109E-05	0.12727		
128	1122.0	1.0000	6.75263E-04	37.854	4.0996
	27.544	2.89677E-02	161.37	25.000	100.00
	16.706	16.706	23.412	1.6168	14.300
	1.1683	2.07274E-04	0.30695		
129	1132.0	1.0000	3.70747E-04	156.37	17.915
	14.917	5.34885E-02	570.49	25.000	400.00
	9.0476	9.0476	81.877	1.9098	83.425
	0.10845	4.45512E-05	0.12017		
130	1212.0	5.0000	2.40526E-04	20.848	2.3998
	60.619	1.31622E-02	77.072	25.000	50.000
	14.936	54.581	3.5799	5.8237	1.9017
	7.8539	4.79803E-12	1.99481E-08		
131	1222.0	5.0000	2.76499E-04	29.562	5.0260
	43.251	1.04476E-02	64.023	25.000	100.00
	20.376	31.667	6.6947	4.4157	3.4894
	5.8395	1.39828E-12	5.05709E-09		
132	1232.0	5.0000	1.50590E-04	118.35	19.823
	19.113	4.17465E-02	275.27	25.000	400.00
	11.592	11.592	23.413	5.0551	10.960
	1.0577	9.35911E-05	0.62150		
133	1242.0	5.0000	9.58074E-05	269.57	45.189
	10.404	7.66901E-02	624.54	25.000	800.00
	6.3104	6.3104	43.784	6.1570	10.315
	0.34455	1.56562E-04	1.6341		

EOCR DIFFUSION RATIOS

ALL RELEASES:W/O 50M GRND TRACER; SZ(25) GRND ROOT(LOWER) 2/28/79

VARIABLE LABELS...

	IDENT SZ EFF LOWER RATIO SZ	STAB 1-7 CIC NORM UPPER CHI PG	CHI PEAK SY SY PG RATIO C	SY C.M. RLSE HT RATIO SY	C.M. DWD(M) SZ PG
120	833.00	6.0000	1.08822E-03	74.862	13.613
	9.1396	8.73080E-02	202.08	25.000	400.00
	5.5434	5.5434	16.161	4.6324	6.8947
	0.80481	4.50638E-06	4.14106E-03		
121	843.00	6.0000	4.69516E-04	245.35	54.423
	5.6812	0.14844	351.95	25.000	800.00
	3.4458	3.4458	30.222	8.1183	11.750
	0.29326	9.44032E-05	0.20106		
122	923.00	7.0000	1.82724E-04	26.911	5.4911
	39.228	2.03398E-02	43.721	25.000	100.00
	23.793	23.793	3.1896	8.4371	1.4472
	16.441	7.07654E-12	3.87281E-08		
123	933.00	7.0000	2.75417E-05	77.761	13.837
	141.20	5.65082E-03	218.23	25.000	400.00
	11.081	138.93	11.155	6.9711	4.3375
	2.5548	7.91343E-10	2.87326E-05		
124	943.00	7.0000	5.74530E-05	212.40	37.256
	14.675	5.43719E-02	566.31	25.000	800.00
	8.9006	8.9806	20.860	10.182	7.5384
	1.1807	9.01421E-06	8.15690		
125	1023.0	1.0000	8.98936E-05	26.329	5.1495
	98.641	8.08876E-03	53.511	25.000	100.00
	12.236	95.305	23.412	1.1246	14.300
	0.85572	2.07274E-04	2.3858		
126	1033.0	1.0000	2.45730E-05	54.295	21.550
	246.78	3.23320E-03	55.942	25.000	400.00
	9.8498	245.50	81.877	0.66313	83.425
	0.11807	4.45512E-05	1.8130		

EOCR DIFFUSION RATIOS

ALL RELEASES:W/O 50M GRND TRACER; SZ(25) GRND ROOT(LOWER) 2/28/79

VARIABLE LABELS...

	IDENT SZ EFF LOWER RATIO SZ	STAB 1-7 CIC NORM UPPER CHI PG	CHI PEAK SY SY PG RATIO C	SY C.M. RLSE HT RATIO SY	C.M. DWD(M) SZ PG
134	1312.0	1.0000	1.54359E-04	23.312	2.8725
	43.952	1.81534E-02	64.573	25.000	50.000
	19.790	32.962	12.519	1.8621	7.4737
	2.6479	1.38109E-05	8.93572E-02		
135	1322.0	1.0000	1.31256E-04	39.532	4.8247
	27.131	2.94088E-02	143.82	25.000	100.00
	16.456	16.456	23.412	1.6885	14.300
	1.1508	2.07274E-04	1.5792		
136	1332.0	1.0000	5.24220E-05	166.56	19.570
	18.791	4.24600E-02	663.25	25.000	400.00
	11.397	11.397	81.877	2.0343	83.425
	0.13662	4.45512E-05	0.84986		
137	1413.0	5.0000	6.63520E-05	6.6570	3.3115
	479.20	1.66502E-03	5.8526	25.000	50.000
	8.8477	478.55	3.5799	1.8596	1.9017
	4.6525	4.79803E-12	7.23118E-08		
138	1423.0	5.0000	1.10622E-04	21.436	6.1836
	151.98	5.25003E-03	23.387	25.000	100.00
	10.889	149.88	6.6947	3.2020	3.4894
	3.1203	1.39828E-12	1.26402E-08		
139	1433.0	5.0000	4.14399E-05	83.425	26.934
	65.006	1.22740E-02	96.174	25.000	400.00
	14.399	59.516	23.413	3.5632	10.960
	1.3138	9.35911E-05	2.2585		
140	1443.0	5.0000	1.66444E-05	119.82	46.076
	128.61	6.20367E-03	129.81	25.000	800.00
	11.345	126.11	43.784	2.7367	10.315
	0.61944	1.56562E-04	9.4063		

EOCR DIFFUSION RATIOS

ALL RELEASES:W/O 50M GRND TRACER; SZ(25) GRND ROOT(LOWER) 2/28/79

VARIABLE LABELS...

	IDENT SZ EFF LOWER RATIO SZ	STAB 1-7 CIC NORM UPPER CHI PG	CHI PEAK SY SY PG RATIO C	SY C.M. RLSE HT RATIO SY	C.M. DWD(M) SZ PG
141	1453.0	5.0000	1.27996E-04	236.57	40.743
	17.977	4.43849E-02	476.38	25.000	1200.0
	10.903	10.903	63.145	3.7464	24.501
	0.44501	1.22253E-04	0.95513		
142	1463.0	5.0000	1.48581E-04	240.74	34.430
	9.8124	8.13141E-02	831.28	25.000	1600.0
	5.9515	5.9515	81.879	3.0379	29.866
	0.19927	9.16798E-05	0.61703		
143	1513.0	4.0000	7.47855E-04	13.024	2.2178
	33.564	2.37723E-02	25.731	25.000	50.000
	20.357	20.357	5.0345	2.5870	2.4798
	8.2092	2.61641E-12	3.49855E-09		
144	1523.0	4.0000	4.20822E-04	21.440	5.3534
	42.943	1.85800E-02	28.602	25.000	100.00
	20.680	31.046	9.4148	2.2772	4.5568
	4.5383	3.82970E-09	9.10054E-06		
145	1533.0	4.0000	6.65128E-05	88.761	34.439
	145.88	5.49944E-03	54.404	25.000	400.00
	11.808	142.88	32.926	2.4528	15.394
	0.71511	1.68563E-04	2.5343		
146	1543.0	4.0000	9.66705E-06	148.21	50.716
	171.79	4.64441E-03	166.55	25.000	800.00
	10.590	169.95	61.573	2.4071	26.555
	0.39881	1.24973E-04	12.928		
147	1553.0	4.0000	3.51814E-05	175.73	33.084
	47.650	1.67447E-02	424.05	25.000	1200.0
	17.830	38.655	88.802	1.9790	35.891
	0.49678	7.83430E-05	2.2268		

EOCR DIFFUSION RATIOS

ALL RELEASES:W/O 50M GRND TRACER; SZ(25) GRND ROOT(LOWER) 2/28/79

VARIABLE LABELS...

	IDENT SZ EFF LOWER RATIO SZ	STAB 1-7 CIC NORM UPPER CHI PG	CHI PEAK SY SY PG RATIO C	SY C.M. RLSE HT RATIO SY	C.M. DWD(M) SZ PG
155	1713.0	7.0000	4.14445E-04	14.068	1.6719
	42.791	1.86463E-02	50.359	25.000	50.000
	20.844	30.724	1.7056	8.2479	8.8616S
	24.191	2.22261E-11	5.36286E-08		
156	1723.0	7.0000	8.37905E-05	34.757	4.9778
	116.53	6.84729E-03	100.63	25.000	100.00
	11.649	113.74	3.1896	10.897	1.4472
	8.0496	7.07654E-12	8.44551E-08		
157	1733.0	7.0000	7.63995E-06	133.32	22.213
	232.04	3.42677E-03	316.98	25.000	400.00
	9.9570	231.48	11.155	11.951	4.3375
	2.2956	7.91343E-10	1.03580E-04		
158	1743.0	7.0000	4.38571E-06	187.23	34.396
	494.47	1.61360E-03	424.81	25.000	800.00
	8.8881	493.84	20.860	8.9756	7.5304
	1.1684	9.81421E-06	2.0554		
159	1753.0	7.0000	1.92361E-06	169.67	20.641
	1127.2	7.07843E-04	486.08	25.000	1200.0
	7.9410	1126.9	30.685	5.6395	18.545
	0.75304	6.16486E-05	32.048		
160	1763.0	7.0000	9.99717E-07	137.36	41.156
	2274.9	3.50732E-04	180.62	25.000	1600.0
	7.3846	2274.8	39.011	3.5212	12.746
	0.57935	9.43469E-05	94.374		
161	1813.0	6.0000	3.54331E-04	9.2282	2.0527
	76.205	1.04702E-02	12.946	25.000	50.000
	13.412	71.712	2.4710	3.7346	1.2881
	10.477	1.03267E-11	2.91443E-08		

EOCR DIFFUSION RATIOS

ALL RELEASES:W/O 50M GRND TRACER; SZ(25) GRND ROOT(LOWER) 2/28/79

VARIABLE LABELS...

	IDENT SZ EFF LOWER RATIO SZ	STAB 1-7 CIC NORM UPPER CHI PG	CHI PEAK SY SY PG RATIO C	SY C.M. RLSE HT RATIO SY	C.M. DWD(M) SZ PG
148	1563.0	4.0000	1.98088E-04	282.53	42.593
	4.1120	0.19404	855.06	25.000	1600.0
	2.4940	2.4940	115.15	2.4536	43.715
	5.70526E-02	5.36874E-05	0.26994		
149	1613.0	4.0000	2.63152E-04	17.551	2.3397
	55.309	1.44260E-02	25.911	25.000	50.000
	15.788	48.401	5.0345	3.4062	2.4798
	6.3667	2.61641E-12	9.94256E-09		
150	1623.0	4.0000	1.97405E-04	23.418	4.3781
	52.148	1.53003E-02	36.082	25.000	100.00
	16.463	44.549	9.4148	2.4874	4.5568
	3.6129	3.82970E-09	1.94002E-05		
151	1633.0	4.0000	2.63458E-05	113.09	28.733
	119.69	6.66649E-03	131.33	25.000	400.00
	11.564	116.98	32.926	3.4348	15.394
	0.75117	1.68563E-04	6.3981		
152	1643.0	4.0000	5.32446E-06	247.51	66.876
	544.29	1.46591E-03	201.34	25.000	800.00
	8.6910	543.72	61.573	4.8197	26.555
	0.32728	1.24973E-04	23.471		
153	1653.0	4.0000	5.19544E-06	198.62	34.049
	296.68	2.68941E-03	459.06	25.000	1200.0
	9.5343	295.62	88.802	2.2367	35.891
	0.26565	7.83430E-05	15.079		
154	1663.0	4.0000	5.63807E-05	262.77	43.668
	50.964	1.56558E-02	631.45	25.000	1600.0
	16.765	43.055	115.15	2.2828	43.715
	0.38351	5.36874E-05	0.95223		

EOCR DIFFUSION RATIOS

ALL RELEASES:W/O 50M GRND TRACER; SZ(25) GRND ROOT(LOWER) 2/28/79

VARIABLE LABELS...

	IDENT SZ EFF LOWER RATIO SZ	STAB 1-7 CIC NORM UPPER CHI PG	CHI PEAK SY SY PG RATIO C	SY C.M. RLSE HT RATIO SY	C.M. DWD(M) SZ PG
162	1823.0	6.0000	3.13156E-04	24.038	6.9333
	46.220	1.72627E-02	23.233	25.000	100.00
	10.443	36.602	4.6210	5.2020	2.2472
	8.2072	3.14563E-12	1.00449E-08		
163	1833.0	6.0000	9.14695E-05	68.287	24.983
	66.200	1.20526E-02	74.228	25.000	400.00
	14.271	60.840	16.161	4.2256	6.8947
	2.0698	4.50638E-06	4.92665E-02		
164	1843.0	6.0000	3.57264E-05	116.84	38.971
	90.514	8.81505E-03	145.39	25.000	800.00
	12.585	86.840	30.222	3.8660	11.750
	1.0711	9.44032E-05	2.6424		
165	1853.0	6.0000	3.05015E-05	306.01	48.519
	128.58	6.20529E-03	399.05	25.000	1200.0
	11.346	126.08	43.586	7.0209	16.074
	0.70583	1.35923E-04	4.4563		
166	1863.0	6.0000	3.09415E-05	401.07	63.478
	83.903	9.50965E-03	754.89	25.000	1600.0
	12.926	79.894	56.517	7.0964	19.511
	0.66247	1.27130E-04	4.1087		
167	1913.0	7.0000	2.34976E-04	15.024	3.0671
	59.045	1.35131E-02	24.324	25.000	50.000
	15.161	52.779	1.7056	8.6086	8.8616S
	17.595	2.22261E-11	9.46293E-08		
168	1923.0	7.0000	1.90419E-04	21.200	5.3066
	75.270	1.06003E-02	27.801	25.000	100.00
	13.479	70.709	3.1896	6.5465	1.4472
	9.3144	7.07654E-12	3.71630E-08		

EOCR DIFFUSION RATIOS

ALL RELEASES:W/O 50M GRND TRACER; SZ(25) GRND ROOT(LOWER) 2/28/79

VARIABLE LABELS...

	IDENT SZ EFF LOWER RATIO SZ	STAB 1-7 CIC NORM UPPER CHI PG	CHI PEAK SY SY PG RATIO C	SY C.M. RLSE HT RATIO SY	C.M. DWD(M) SZ PG
169	1933.0 171.24 10.598 2.4433	7.0000 4.65936E-03 169.39 7.91343E-10	3.02060E-05 97.118 11.155 2.61982E-05	79.973 25.000 7.1693	26.855 400.00 4.3375
170	1943.0 69.353 13.963 1.8523	7.0000 1.15047E-02 64.305 9.01421E-06	5.45250E-05 315.29 20.860 0.16532	163.46 25.000 7.8359	39.194 800.00 7.5384
171	1953.0 71.993 13.734 1.3024	7.0000 1.10829E-02 67.175 6.16486E-05	8.23709E-05 227.96 30.085 0.74843	269.18 25.000 8.9472	54.118 1200.0 10.545
172	1963.0 207.63 10.180 0.79868	7.0000 3.84269E-03 206.10 9.43469E-05	5.06904E-06 812.31 39.011 10.612	275.37 25.000 7.0589	39.591 1600.0 12.746
173	2013.0 166.01 10.671 12.384	7.0000 4.80627E-03 164.09 2.22261E-11	1.00699E-04 28.334 1.7056 2.20718E-07	10.147 25.000 10.640	3.5111 50.000 0.86165
174	2023.0 119.63 11.565 7.9916	7.0000 6.66988E-03 116.93 7.07654E-12	1.34460E-04 49.943 3.1096 5.26293E-08	41.708 25.000 13.101	7.6932 100.00 1.4472
175	2033.0 96.777 12.311 2.8383	7.0000 8.24453E-03 93.369 7.91343E-10	4.78114E-05 142.31 11.155 1.65513E-05	132.05 25.000 11.838	30.103 400.00 4.3375

EOCR DIFFUSION RATIOS

ALL RELEASES:W/O 50M GRND TRACER; SZ(25) GRND ROOT(LOWER) 2/28/79

VARIABLE LABELS...

	IDENT SZ EFF LOWER RATIO SZ	STAB 1-7 CIC NORM UPPER CHI PG	CHI PEAK SY SY PG RATIO C	SY C.M. RLSE HT RATIO SY	C.M. DWD(M) SZ PG
183	2153.0 173.15 10.572 1.0025	7.0000 4.60814E-03 171.31 6.16486E-05	8.85381E-06 446.27 30.085 6.9630	202.81 25.000 6.7411	36.987 1200.0 10.545
184	2163.0 283.93 9.6064 0.75366	7.0000 2.81017E-03 282.82 9.43469E-05	6.07686E-06 174.63 39.011 15.526	147.49 25.000 3.7808	49.853 1600.0 12.746
185	2213.0 74.986 13.500 7.0991	5.0000 1.06405E-02 70.404 4.79803E-12	3.22933E-04 14.248 3.5799 1.48577E-08	12.223 25.000 3.4142	3.0095 50.000 1.9017
186	2223.0 89.341 12.641 3.6228	5.0000 8.93077E-03 85.612 1.39828E-12	2.35663E-04 29.692 6.6947 5.93339E-09	39.803 25.000 5.9454	7.7220 100.00 3.4894
187	2233.0 225.69 10.016 0.91398	5.0000 3.53527E-03 224.30 9.35911E-05	2.54995E-05 49.099 23.413 3.6703	46.529 25.000 1.9874	19.763 400.00 10.960
188	2243.0 3202.8 7.1553 0.39069	5.0000 2.49182E-04 3201.9 1.56562E-04	2.04480E-06 30.264 43.704 76.566	83.024 25.000 1.8962	77.312 800.00 18.315
189	2253.0 1004.8 8.0455 0.32837	5.0000 7.94071E-04 1004.5 1.22253E-04	1.15345E-06 85.725 63.145 105.99	97.023 25.000 1.5365	43.521 1200.0 24.501

EOCR DIFFUSION RATIOS

ALL RELEASES:W/O 50M GRND TRACER; SZ(25) GRND ROOT(LOWER) 2/28/79

VARIABLE LABELS...

	IDENT SZ EFF LOWER RATIO SZ	STAB 1-7 CIC NORM UPPER CHI PG	CHI PEAK SY SY PG RATIO C	SY C.M. RLSE HT RATIO SY	C.M. DWD(M) SZ PG
176	2043.0 265.94 9.7174 1.2891	7.0000 3.00029E-03 264.75 9.01421E-06	1.75272E-05 59.739 20.860 0.51430	86.619 25.000 4.1523	53.472 800.00 7.5384
177	2053.0 200.47 10.252 0.97221	7.0000 3.98009E-03 198.89 6.16486E-05	1.89279E-05 92.502 30.085 3.2570	80.927 25.000 2.6899	26.172 1200.0 10.545
178	2063.0 46.788 18.184 1.4266	7.0000 1.70531E-02 37.429 9.43469E-05	5.53531E-05 1019.3 39.011 1.7045	316.29 25.000 8.1077	43.382 1600.0 12.746
179	2113.0 62.894 14.643 16.994	7.0000 1.26862E-02 57.155 2.22261E-11	2.10633E-04 25.487 1.7056 1.05521E-07	14.473 25.000 8.4857	2.9174 50.000 0.86165
180	2123.0 79.010 13.221 9.1360	7.0000 1.00985E-02 74.708 7.07654E-12	1.66611E-04 24.154 3.1896 4.24735E-08	18.738 25.000 5.8746	4.7013 100.00 1.4472
181	2133.0 137.32 11.158 2.5724	7.0000 5.81053E-03 134.98 7.91343E-10	5.30121E-05 77.451 11.155 1.49276E-05	52.756 25.000 4.7294	12.969 400.00 4.3375
182	2143.0 342.05 9.3122 1.2353	7.0000 2.33262E-03 341.14 9.01421E-06	1.20696E-05 81.757 20.860 0.70043	122.66 25.000 5.8802	57.825 800.00 7.5384

EOCR DIFFUSION RATIOS

ALL RELEASES:W/O 50M GRND TRACER; SZ(25) GRND ROOT(LOWER) 2/28/79

VARIABLE LABELS...

	IDENT SZ EFF LOWER RATIO SZ	STAB 1-7 CIC NORM UPPER CHI PG	CHI PEAK SY SY PG RATIO C	SY C.M. RLSE HT RATIO SY	C.M. DWD(M) SZ PG
190	2263.0 1071.6 7.9865 0.26741	5.0000 7.44589E-04 1071.3 9.16798E-05	2.36316E-06 152.45 81.879 38.795	102.02 25.000 1.2460	33.004 1600.0 29.866
191	2313.0 43.965 19.780 10.401	5.0000 1.81481E-02 32.985 4.79803E-12	3.85655E-04 17.491 3.5799 1.24413E-08	10.346 25.000 2.8899	2.4033 50.000 1.9017
192	2323.0 33.172 20.120 5.7659	5.0000 2.40531E-02 20.120 1.39828E-12	5.22456E-04 23.619 6.6947 2.67636E-09	24.487 25.000 3.6577	6.3233 100.00 3.4894
193	2333.0 263.06 9.7363 0.88837	5.0000 3.03310E-03 261.86 9.35911E-05	1.91884E-05 57.678 23.413 4.8775	58.377 25.000 2.4934	23.420 400.00 10.960
194	2413.0 92.279 12.504 9.7680	6.0000 8.64642E-03 88.684 1.03267E-11	2.73841E-04 13.088 2.4710 3.77108E-08	8.1030 25.000 3.2792	2.8693 50.000 1.2801
195	2423.0 86.497 12.785 5.6894	6.0000 9.22445E-03 82.627 3.14563E-12	1.24697E-04 27.074 4.6210 2.52261E-08	20.474 25.000 4.4306	5.6612 100.00 2.2472
196	2433.0 872.62 8.1805 1.1865	6.0000 9.14353E-04 872.26 4.58638E-06	6.67954E-06 70.372 16.161 0.67465	73.734 25.000 4.5626	29.820 400.00 6.8947

EOCR DIFFUSION RATIOS

ALL RELEASES:W/O 50M GRND TRACER; SZ(25) GRND ROOT(LOWER) 2/28/79

VARIABLE LABELS...

	IDENT SZ EFF LOWER RATIO SZ	STAB 1-7 CIC NORM UPPER CHI PG	CHI PEAK SY SY PG RATIO C	SY C.M. RLSE HT RATIO SY	C.M. DWD(M) SZ PG
197	322.00	6.0000	9.91891E-05	20.132	5.7927
	181.28	4.48143E-03	19.950	1.0000	100.00
	10.468	179.53	4.6210	4.3566	2.2472
	4.6584	2.56411E-02	258.51		
198	332.00	6.0000	1.89823E-05	117.92	24.976
	165.05	4.83430E-03	219.54	1.0000	400.00
	10.684	163.12	16.161	7.2970	6.8947
	1.5497	2.79792E-03	147.40		
199	422.00	5.0000	7.94435E-04	27.131	7.0477
	21.865	3.64915E-02	23.880	1.0000	100.00
	13.262	13.262	6.6947	4.0527	3.4894
	3.8006	1.25939E-02	15.853		
200	432.00	5.0000	5.98383E-04	66.603	11.402
	13.575	5.87776E-02	194.15	1.0000	400.00
	8.2334	8.2334	23.413	2.8447	10.960
	0.75125	1.23027E-03	2.0560		
201	442.00	5.0000	6.73161E-05	168.16	45.501
	27.802	2.86991E-02	275.20	1.0000	800.00
	16.863	16.863	43.784	3.8407	18.315
	0.92072	3.95777E-04	5.8794		
202	522.00	1.0000	1.07407E-03	26.336	5.6799
	6.6893	0.11928	45.082	1.0000	100.00
	4.0573	4.0573	23.412	1.1249	14.300
	0.28373	9.46152E-04	0.88091		
203	532.00	1.0000	1.18109E-04	184.47	22.530
	16.814	4.74546E-02	197.08	1.0000	400.00
	10.198	10.198	81.877	1.2760	83.425
	0.12224	4.65936E-05	0.39450		

EOCR DIFFUSION RATIOS

ALL RELEASES:W/O 50M GRND TRACER; SZ(25) GRND ROOT(LOWER) 2/28/79

VARIABLE LABELS...

	IDENT SZ EFF LOWER RATIO SZ	STAB 1-7 CIC NORM UPPER CHI PG	CHI PEAK SY SY PG RATIO C	SY C.M. RLSE HT RATIO SY	C.M. DWD(M) SZ PG
211	832.00	6.0000	3.99366E-05	86.978	16.255
	70.590	1.13032E-02	224.85	1.0000	400.00
	13.853	65.652	16.161	5.3821	6.8947
	2.0092	2.79792E-03	70.059		
212	842.00	6.0000	2.08543E-05	231.96	53.033
	67.286	1.18581E-02	375.39	1.0000	800.00
	14.160	62.038	30.222	7.6754	11.750
	1.2851	8.89944E-04	42.674		
213	922.00	7.0000	6.81366E-04	28.179	4.0798
	10.862	7.34573E-02	75.179	1.0000	100.00
	6.5881	6.5881	3.1896	8.8346	1.4472
	4.5524	4.77480E-02	70.077		
214	932.00	7.0000	9.65521E-05	134.84	19.183
	12.232	6.52294E-02	375.53	1.0000	400.00
	7.4191	7.4191	11.155	12.017	4.3375
	1.7185	6.24712E-03	64.702		
215	942.00	7.0000	8.03199E-05	290.97	43.635
	10.275	7.76550E-02	794.31	1.0000	800.00
	6.2319	6.2319	20.060	13.949	7.5384
	0.82670	1.98918E-03	24.766		
216	1022.0	1.0000	8.39313E-05	42.363	6.3762
	88.526	9.01302E-03	82.070	1.0000	100.00
	12.682	64.757	23.412	1.8094	14.300
	0.88684	9.46152E-04	11.273		
217	1032.0	1.0000	3.99848E-05	158.91	23.931
	72.093	1.10674E-02	387.78	1.0000	400.00
	13.726	67.284	81.877	1.9489	83.425
	0.16453	4.65936E-05	1.1653		

EOCR DIFFUSION RATIOS

ALL RELEASES:W/O 50M GRND TRACER; SZ(25) GRND ROOT(LOWER) 2/28/79

VARIABLE LABELS...

	IDENT SZ EFF LOWER RATIO SZ	STAB 1-7 CIC NORM UPPER CHI PG	CHI PEAK SY SY PG RATIO C	SY C.M. RLSE HT RATIO SY	C.M. DWD(M) SZ PG
204	622.00	4.0000	4.81804E-04	26.804	3.8147
	12.610	6.32732E-02	79.297	1.0000	100.00
	7.6484	7.6484	9.4148	2.8470	4.5568
	1.6785	7.07890E-03	14.692		
205	632.00	4.0000	6.20524E-05	124.72	20.599
	24.380	3.27267E-02	306.96	1.0000	400.00
	14.787	14.787	32.926	3.7878	15.394
	0.96059	6.25365E-04	10.078		
206	642.00	4.0000	4.62446E-05	214.99	42.072
	17.910	4.45498E-02	465.16	1.0000	800.00
	10.863	10.863	61.573	3.4916	26.555
	0.40908	1.94401E-04	4.2038		
207	722.00	7.0000	2.35081E-04	46.973	6.6067
	37.348	2.13636E-02	95.587	1.0000	100.00
	22.653	22.653	3.1896	14.727	1.4472
	15.653	4.77480E-02	203.11		
208	732.00	7.0000	3.43886E-06	90.306	29.794
	1026.3	7.77401E-04	91.817	1.0000	400.00
	8.0259	1026.0	11.155	8.0957	4.3375
	1.0504	6.24712E-03	1816.6		
209	742.00	7.0000	3.39346E-05	298.70	55.536
	72.679	1.09782E-02	484.60	1.0000	800.00
	13.678	67.918	20.860	14.319	7.5384
	1.8145	1.98918E-03	58.618		
210	822.00	6.0000	4.03174E-03	43.075	5.1639
	7.6530	0.18426	142.42	1.0000	100.00
	4.6418	4.6418	4.6210	9.3216	2.2472
	2.0656	2.56411E-02	6.3598		

EOCR DIFFUSION RATIOS

ALL RELEASES:W/O 50M GRND TRACER; SZ(25) GRND ROOT(LOWER) 2/28/79

VARIABLE LABELS...

	IDENT SZ EFF LOWER RATIO SZ	STAB 1-7 CIC NORM UPPER CHI PG	CHI PEAK SY SY PG RATIO C	SY C.M. RLSE HT RATIO SY	C.M. DWD(M) SZ PG
218	1042.0	1.0000	1.64886E-05	267.49	45.988
	68.764	1.16832E-02	656.65	1.0000	800.00
	14.018	63.661	153.12	1.7470	294.00
	4.76785E-02	7.07078E-06	0.42883		
219	1123.0	1.0000	8.67116E-06	32.895	4.1533
	1217.0	6.55609E-04	125.23	1.0000	100.00
	7.8737	1216.8	23.412	1.4858	14.300
	0.55062	9.46152E-04	109.11		
220	1223.0	5.0000	5.11260E-05	26.800	5.9342
	191.15	4.17417E-03	30.571	1.0000	100.00
	10.352	189.49	6.6947	4.0832	3.4894
	2.9668	1.25939E-02	246.33		
221	1233.0	5.0000	5.34010E-06	75.523	27.882
	950.47	8.39461E-04	78.965	1.0000	400.00
	8.0980	950.14	23.413	3.2257	10.960
	0.73889	1.23027E-03	230.38		
222	1243.0	5.0000	2.82790E-06	123.36	53.703
	949.85	8.48018E-04	121.36	1.0000	800.00
	8.0986	949.52	43.784	2.8175	18.315
	0.44220	3.95777E-04	139.95		
223	1323.0	1.0000	7.18908E-06	39.292	5.4573
	608.82	1.31054E-03	115.04	1.0000	100.00
	8.5604	608.31	23.412	1.6782	14.300
	0.59864	9.46152E-04	133.09		
224	1421.0	5.0000	3.64525E-04	24.677	6.0505
	74.833	1.06622E-02	19.270	1.0000	100.00
	13.512	70.240	6.6947	3.6860	3.4894
	3.8722	1.25939E-02	34.549		

EOCR DIFFUSION RATIOS

ALL RELEASES:W/O 50M GRND TRACER; SZ(25) GRND ROOT(LOWER) 2/28/79

VARIABLE LABELS...

	IDENT SZ EFF LOWER RATIO SZ	STAB 1-7 CIC NORM UPPER CHI PG	CHI PEAK SY SY PG RATIO C	SY C.M. RLSE HT RATIO SY	C.M. DWD(M) SZ PG
225	1431.0 56.653 15.545 1.4184	5.0000 1.40836E-02 49.994 1.23027E-03	9.15206E-05 331.02 23.413 13.443	120.40 1.0000 5.1425	21.434 400.00 10.960
226	1441.0 134.95 11.206 0.61187	5.0000 5.91248E-03 132.57 3.95777E-04	2.90966E-05 226.30 43.784 13.602	210.59 1.0000 4.8099	62.633 800.00 10.315
227	1451.0 50.098 12.605 0.51447	5.0000 8.85574E-03 86.404 2.05399E-04	3.28585E-05 694.46 63.145 6.2510	274.18 1.0000 4.3420	40.550 1200.0 24.581
228	1461.0 115.82 11.669 0.39070	5.0000 6.88920E-03 113.02 1.30020E-04	1.71097E-05 477.72 81.879 7.5992	276.86 1.0000 3.3813	57.113 1600.0 29.866
229	1521.0 16.141 9.7901 2.1485	4.0000 4.94317E-02 9.7901 7.07890E-03	6.33936E-04 39.611 9.4148 11.167	21.505 1.0000 2.2842	4.4715 100.00 4.5568
230	1531.0 59.759 15.056 0.97806	4.0000 1.33518E-02 53.599 6.25365E-04	6.73954E-05 122.63 32.926 9.2790	93.315 1.0000 2.8341	24.924 400.00 15.394
231	1541.0 149.51 10.938 0.41160	4.0000 5.33653E-03 147.38 1.94401E-04	2.58380E-05 202.38 61.573 7.5239	186.85 1.0000 3.0346	61.026 800.00 26.555

EOCR DIFFUSION RATIOS

ALL RELEASES:W/O 50M GRND TRACER; SZ(25) GRND ROOT(LOWER) 2/28/79

VARIABLE LABELS...

	IDENT SZ EFF LOWER RATIO SZ	STAB 1-7 CIC NORM UPPER CHI PG	CHI PEAK SY SY PG RATIO C	SY C.M. RLSE HT RATIO SY	C.M. DWD(M) SZ PG
239	1721.0 10.815 6.5596 4.5327	7.0000 7.37764E-02 6.5596 4.77480E-02	1.32244E-03 77.054 3.1896 36.106	25.070 1.0000 8.1107	3.6411 100.00 1.4472
240	1731.0 49.090 17.319 3.9929	7.0000 1.62536E-02 40.617 6.24712E-03	7.34524E-05 317.17 11.155 85.050	125.25 1.0000 11.228	20.526 400.00 4.3375
241	1741.0 5.9190 3.5901 0.47624	7.0000 8.13480 3.5901 1.98918E-03	7.01209E-04 486.26 20.860 2.8368	278.93 1.0000 13.371	49.008 800.00 7.5384
242	1751.0 112.23 11.772 1.1164	7.0000 7.10908E-03 109.34 9.94384E-04	1.36416E-05 661.67 30.085 72.894	159.02 1.0000 5.2855	18.987 1200.0 10.545
243	1761.0 220.16 10.064 0.78956	7.0000 3.62404E-03 218.73 6.36233E-04	3.20257E-06 913.35 39.011 198.66	350.13 1.0000 8.9752	51.462 1600.0 12.746
244	1821.0 6.8367 4.1467 1.8453	6.0000 0.11671 4.1467 2.56411E-02	1.39425E-03 35.749 4.6210 18.391	24.430 1.0000 5.2868	5.5395 100.00 2.2472
245	1831.0 17.742 10.761 1.5607	6.0000 4.49723E-02 10.761 2.79792E-03	2.17415E-04 96.155 16.161 12.869	100.89 1.0000 6.7378	28.279 400.00 6.8947

EOCR DIFFUSION RATIOS

ALL RELEASES:W/O 50M GRND TRACER; SZ(25) GRND ROOT(LOWER) 2/28/79

VARIABLE LABELS...

	IDENT SZ EFF LOWER RATIO SZ	STAB 1-7 CIC NORM UPPER CHI PG	CHI PEAK SY SY PG RATIO C	SY C.M. RLSE HT RATIO SY	C.M. DWD(M) SZ PG
232	1551.0 144.11 11.026 0.30722	4.0000 5.53653E-03 141.89 9.97948E-05	1.05567E-05 306.30 88.802 9.4533	169.50 1.0000 1.9007	34.669 1200.0 35.891
233	1561.0 180.28 10.385 0.23756	4.0000 4.23760E-03 186.60 6.32036E-05	6.98077E-06 350.25 115.15 9.0540	221.98 1.0000 1.9278	40.568 1600.0 43.715
234	1621.0 9.6038 5.8250 1.2783	4.0000 8.30798E-02 5.8250 7.07890E-03	7.45835E-04 50.395 9.4143 9.4912	31.497 1.0000 3.3454	5.2659 100.00 4.5568
235	1631.0 51.071 16.736 1.0872	4.0000 1.56229E-02 43.191 6.25365E-04	5.89120E-05 149.74 32.926 10.615	111.07 1.0000 3.3733	26.804 400.00 15.394
236	1641.0 131.14 11.288 0.42508	4.0000 6.08408E-03 120.69 1.94401E-04	1.25831E-05 275.55 61.573 15.449	170.74 1.0000 2.7729	41.169 800.00 26.555
237	1651.0 112.67 11.754 0.32749	4.0000 7.06920E-03 109.99 9.97948E-05	9.21914E-06 477.41 88.802 10.825	245.60 1.0000 2.7779	48.431 1200.0 35.091
238	1661.0 47.069 18.064 0.41322	4.0000 1.69514E-02 37.833 6.32036E-05	3.45381E-05 775.50 115.15 1.8304	355.23 1.0000 3.0050	53.892 1600.0 43.715

EOCR DIFFUSION RATIOS

ALL RELEASES:W/O 50M GRND TRACER; SZ(25) GRND ROOT(LOWER) 2/28/79

VARIABLE LABELS...

	IDENT SZ EFF LOWER RATIO SZ	STAB 1-7 CIC NORM UPPER CHI PG	CHI PEAK SY SY PG RATIO C	SY C.M. RLSE HT RATIO SY	C.M. DWD(M) SZ PG
246	1841.0 34.651 21.017 1.7887	6.0000 2.30263E-02 21.017 6.89944E-04	8.77992E-05 202.06 30.222 10.136	212.40 1.0000 7.0279	54.900 800.00 11.750
247	1851.0 33.147 20.105 1.2508	6.0000 2.40713E-02 20.105 4.52589E-04	7.78404E-05 494.78 43.586 5.8143	273.80 1.0000 6.2819	44.069 1200.0 16.074
248	1861.0 37.887 22.979 1.1776	6.0000 2.10598E-02 22.979 2.87985E-04	5.97083E-05 541.71 56.517 4.8219	374.66 1.0000 6.6292	65.977 1600.0 19.511
249	1921.0 11.388 6.9070 4.7728	7.0000 7.00655E-02 6.9070 4.77480E-02	6.83517E-04 48.787 3.1896 69.856	25.583 1.0000 8.0205	4.3169 100.00 1.4472
250	1931.0 31.320 18.997 4.3796	7.0000 2.54753E-02 16.997 6.24712E-03	1.19679E-04 138.67 11.155 52.199	97.642 1.0000 8.7533	23.455 400.00 4.3375
251	1941.0 29.490 17.887 2.3728	7.0000 2.70558E-02 17.887 1.98918E-03	9.71207E-05 167.05 20.860 20.480	168.13 1.0000 7.6764	45.831 800.00 7.5384
252	1951.0 81.262 13.080 1.2483	7.0000 9.81662E-03 77.101 9.94384E-04	5.65990E-05 262.19 30.085 17.569	168.80 1.0000 5.6109	32.679 1200.0 10.545

EOCR DIFFUSION RATIOS

ALL RELEASES:W/O 50M GRND TRACER; SZ(25) GRND ROOT(LOWER) 2/28/79

VARIABLE LABELS...

	IDENT SZ EFF LOWER RATIO SZ	STAB 1-7 CIC NORM UPPER CHI PG	CHI PEAK SY SY PG RATIO C	SY C.M. RLSE HT RATIO SY	C.M. DWD(M) SZ PG
253	1961.0	7.0000	1.47633E-05	194.37	45.373
	141.13	5.65335E-03	278.27	1.0000	1600.0
	11.082	138.87	39.011	4.9825	12.746
	0.86946	6.36233E-04	43.096		
254	2021.0	7.0000	5.84890E-04	34.362	5.7037
	13.675	5.83440E-02	66.064	1.0000	100.00
	8.2943	8.2943	3.1896	10.773	1.4472
	5.7315	4.77480E-02	94.571		
255	2031.0	7.0000	7.63758E-05	121.74	26.603
	41.428	1.92597E-02	161.56	1.0000	400.00
	23.320	26.006	11.155	10.913	4.3375
	5.3764	6.24712E-03	81.794		
256	2041.0	7.0000	3.41628E-05	150.75	53.191
	101.03	7.89763E-03	142.96	1.0000	800.00
	12.146	97.776	20.060	7.2265	7.5384
	1.6112	1.90918E-03	58.227		
257	2051.0	7.0000	3.31789E-05	253.07	49.999
	120.76	6.60725E-03	221.06	1.0000	1200.0
	11.536	118.08	30.085	8.4386	10.545
	1.0939	9.94304E-04	29.970		
258	2061.0	7.0000	2.41832E-05	274.38	57.082
	95.220	8.37539E-03	378.35	1.0000	1600.0
	12.375	91.749	39.011	7.0315	12.746
	0.97090	6.36233E-04	26.396		
259	2121.0	7.0000	1.58831E-03	13.946	2.4527
	8.4133	9.48367E-02	38.519	1.0000	100.00
	5.1029	5.1029	3.1895	4.3724	1.4472
	3.5262	4.77480E-02	30.062		

EOCR DIFFUSION RATIOS

ALL RELEASES:W/O 50M GRND TRACER; SZ(25) GRND ROOT(LOWER) 2/28/79

VARIABLE LABELS...

	IDENT SZ EFF LOWER RATIO SZ	STAB 1-7 CIC NORM UPPER CHI PG	CHI PEAK SY SY PG RATIO C	SY C.M. RLSE HT RATIO SY	C.M. DWD(M) SZ PG
267	2251.0	5.0000	7.09675E-06	175.46	36.841
	236.78	3.36976E-03	338.22	1.0000	1200.0
	9.9256	235.45	63.145	2.7787	24.501
	0.40511	2.05399E-04	28.943		
268	2261.0	5.0000	6.78052E-06	212.81	59.485
	345.34	2.31043E-03	259.66	1.0000	1600.0
	9.2979	344.43	81.079	2.5893	29.066
	0.31132	1.30020E-04	19.176		
269	2321.0	5.0000	3.64643E-04	20.861	3.6578
	26.967	2.95875E-02	41.186	1.0000	100.00
	16.356	16.356	6.6947	3.1161	3.4894
	4.6874	1.25939E-02	34.538		
270	2331.0	5.0000	1.59058E-05	77.556	22.647
	202.51	3.94085E-03	94.130	1.0000	400.00
	10.231	200.95	23.413	3.3126	10.960
	0.93354	1.23027E-03	77.347		
271	2341.0	5.0000	3.97676E-06	192.95	46.314
	440.63	1.81076E-03	275.40	1.0000	800.00
	8.9562	439.92	43.704	4.4070	10.315
	0.48902	3.95777E-04	99.522		
272	2351.0	5.0000	3.09706E-06	166.27	42.303
	601.52	1.32644E-03	190.52	1.0000	1200.0
	8.5742	601.00	63.145	2.6332	24.501
	0.34995	2.05399E-04	66.304		
273	2361.0	5.0000	5.45656E-06	215.23	31.990
	197.17	4.04662E-03	710.46	1.0000	1600.0
	10.287	195.57	81.079	2.6207	29.066
	0.34443	1.30020E-04	23.828		

EOCR DIFFUSION RATIOS

ALL RELEASES:W/O 50M GRND TRACER; SZ(25) GRND ROOT(LOWER) 2/28/79

VARIABLE LABELS...

	IDENT SZ EFF LOWER RATIO SZ	STAB 1-7 CIC NORM UPPER CHI PG	CHI PEAK SY SY PG RATIO C	SY C.M. RLSE HT RATIO SY	C.M. DWD(M) SZ PG
260	2131.0	7.0000	2.76999E-04	43.489	7.9707
	18.656	4.27686E-02	104.20	1.0000	400.00
	11.315	11.315	11.155	3.8986	4.3375
	2.6087	6.24712E-03	22.553		
261	2141.0	7.0000	1.10776E-04	264.15	45.747
	17.125	4.65914E-02	559.38	1.0000	800.00
	10.387	10.387	20.868	12.663	7.5384
	1.3779	1.98918E-03	17.957		
262	2151.0	7.0000	6.96295E-05	185.72	27.526
	32.723	2.43831E-02	438.95	1.0000	1200.0
	19.847	19.847	30.085	6.1730	10.545
	1.8821	9.94304E-04	14.281		
263	2161.0	7.0000	3.68014E-05	206.04	32.291
	28.200	2.62942E-02	621.36	1.0000	1600.0
	17.104	17.104	39.011	5.2816	12.746
	1.3419	6.36233E-04	17.288		
264	2221.0	5.0000	4.55844E-04	25.283	4.6253
	16.769	4.75810E-02	51.092	1.0000	100.00
	10.171	10.171	6.6947	3.7766	3.4894
	2.9148	1.25939E-02	27.628		
265	2231.0	5.0000	4.19783E-05	115.30	28.484
	64.529	1.23648E-02	133.72	1.0000	400.00
	14.452	58.984	23.413	4.9246	10.960
	1.3186	1.23027E-03	29.307		
266	2241.0	5.0000	6.96857E-06	198.99	60.151
	256.12	3.11527E-03	184.80	1.0000	800.00
	9.7832	254.89	43.784	4.5448	18.315
	0.53418	3.95777E-04	56.795		

EOCR DIFFUSION RATIOS

ALL RELEASES:W/O 50M GRND TRACER; SZ(25) GRND ROOT(LOWER) 2/28/79

VARIABLE LABELS...

	IDENT SZ EFF LOWER RATIO SZ	STAB 1-7 CIC NORM UPPER CHI PG	CHI PEAK SY SY PG RATIO C	SY C.M. RLSE HT RATIO SY	C.M. DWD(M) SZ PG
274	2421.0	6.0000	2.87253E-04	25.749	4.5872
	23.074	3.45797E-02	50.618	1.0000	100.00
	13.995	13.995	4.6210	5.5722	2.2472
	6.2279	2.56411E-02	89.263		
275	2431.0	6.0000	1.72420E-05	98.976	31.450
	185.12	4.31013E-03	89.728	1.0000	400.00
	10.422	183.41	16.161	6.1245	6.8947
	1.5116	2.79792E-03	162.27		
276	2441.0	6.0000	2.87368E-06	138.92	46.993
	732.24	1.08965E-03	163.96	1.0000	800.00
	8.3586	731.81	38.222	4.5967	11.750
	0.71137	8.89944E-04	309.69		
277	2451.0	6.0000	2.45227E-06	130.47	28.916
	825.75	9.66251E-04	241.49	1.0000	1200.0
	8.2352	825.37	43.586	2.9934	16.074
	0.51233	4.52589E-04	184.56		
278	2461.0	6.0000	2.66803E-06	192.98	43.378
	538.73	1.50338E-03	367.76	1.0000	1600.0
	8.7213	538.14	56.517	3.4146	19.511
	0.44699	2.87905E-04	187.91		