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Jacksonville Electric Authority

233 WEST DUVAL STREET • P. O. BOX 53015 • JACKSONVILLE, FLORIDA 32201

JEA "POWER TO SERVE"

June 14, 1982

Mr. Kent Williams, Chief
New Source Review Section
Air Facilities Branch
U.S. Environmental Protection Agency
Region IV
345 Courtland Street, N.E.
Atlanta, Georgia 30308

Dear Mr. Williams:

Subject: St. Johns River Power Park Units 1 & 2
Jacksonville Electric Authority
Florida Power & Light Company
PSD Permit Condition - Existing Stack Heights
at Southside and Kennedy

As you know, the PSD Permit for the subject units (PSD-FL-10, dated March 12, 1982) contains a specific condition (#9) regarding demonstrating compliance with the NAAQS given the existing stack heights at JEA's Southside and Kennedy plants. This condition was imposed because higher than existing stack heights were assumed in the air quality modelling supporting the PSD application.

JEA's plans at the time of the PSD modelling called for raising the stacks at Southside Units 1-5 and Kennedy 8-10 to 84 meters. However, JEA now feels that it would be more appropriate to be constrained by certain system operating restrictions as a condition of state certification than to construct the taller stacks. This position is being taken because of the planned importation of large blocks of power from Georgia Power Company which is to begin in August, 1982. This low cost purchased power combined with the subsequent operation of SJRPP will displace much of the generation from Southside and Kennedy, allowing the JEA to commit to a system operating restraint described in the State Conditions of Certification, Section I.E., in order to maintain compliance with the stringent state 24-hour SO_2 standard.

A modelling study was conducted demonstrating compliance with the State standard which assumed that Southside Units 1 and 2 would be shut down and that all other sources would operate at full load

(CONT.)

(see letter from R. Breitmoser to H. S. Oven, Jr. dated October 7, 1981). Although this or some other system operating restriction will ultimately become a federally enforceable permit condition through a State Condition of Certification, we understand, based on an April 27, 1982 meeting with Mr. Brandon and L. Nagler of EPA, that the PSD permit condition will be satisfied by a demonstration of compliance with the NAAQS under the assumption of all JEA sources operating at full load with existing stack heights. The necessity of considering system operating restrictions to meet the more stringent State Air Quality Standards is therefore not addressed.

The attached analysis is intended to satisfy Condition #9 of the PSD Permit. A detailed modelling analysis is presented for SO_2 (Attachment 1). For TSP, an analysis is presented (Attachment 2) demonstrating that SJRPP's impacts in the vicinities of Southside and Kennedy are insignificant; thus, the stack height question is irrelevant for TSP. Discussions are presented (Attachment 3) for the remaining criteria pollutants. All results indicate compliance with NAAQS.

If you have questions on this material, please contact D. Fulle or G. Crow of Envirosphere at (404) 449-6639.

Very truly yours,

Richard Breitmoser, P.E.
Division Chief
Research & Environmental
Affairs Division

RB/lwr

cc: H. Oven (FDER)
L. Leskovjan
J. Jackson
Chief, New Generation

Attachments: As Noted

ATTACHMENT I

ATTACHMENT 1

SULFUR DIOXIDE

The impact of using the existing stack heights at Southside and Kennedy in the multisource modelling of SO_2 concentrations in the vicinities of those two sources was evaluated in several steps, in accordance with discussions with L. Nagler and M. Brandon of EPA on April 27, 1982. First, existing multiple source CRSTER runs were used to identify for further study a number of "worst-case" days from a short-term SO_2 standpoint in the vicinities of Southside and Kennedy for the years 1970, 1972, 1973, and 1974. These CRSTER runs (copies attached) were based on tall stacks at Southside and Kennedy, used a coarse receptor grid, and consolidated SO_2 emission sources into six sources: SJRPP, Northside Unit 3, Northside Units 1 & 2, St. Regis, Kennedy, and Southside. The results, which were reported in the PSD Application, indicated that 1973 was the worst-case year for SO_2 concentrations in the vicinity of SJRPP. These results have been re-examined to identify a series of worse-case 3-hour and 24-hour averages for the Southside and Kennedy vicinities. The days containing those periods and therefore selected for further study are listed in Table 1. The year 1971 has been identified by Florida DER as producing the worst-case 24-hour averages in the Southside and Kennedy vicinities in the 1970-1974 data base (see letter from T. Rogers to D. Lucas dated September 21, 1981). Thus, 1971 was selected for analysis in its entirety.

The next step was to run ISCST on all of 1971 and the 47 worst-case days from the other years on a .5 km spacing grid (see Figure 1) using the latest emission parameters from all of the major sources in the area and the existing stack heights at Southside and Kennedy. As can be seen from Figure 1, the receptor grid was expanded somewhat for the full year (1971) run since the results of the partial year runs indicated that high concentrations occurred near the edge of the original receptor grid in some cases. Copies of these ISCST coarse grid runs are attached.

Finally, a total of 35 worst-case days were identified from the coarse grid results for further analysis using the same model and a fine (.1 km spacing) receptor grid (see Table 2). It was necessary to employ various .1 km spacing receptor grid arrays for the detailed analyses because of the variation of locations of high concentrations calculated from the 5-year coarse grid analyses. The general technique was to spatially envelope (by about 500 meters) the locations of highest concentrations identified from the coarse receptor grid analyses using the fine receptor grid. The results of the fine grid analysis are presented in Table 3, which also includes background SO_2 concentrations determined from the on-site air quality monitoring program (see Table 3 of the PSD Permit). Copies of the ISCST model runs which produced the highest and second-highest concentrations are also attached. The final results indicate compliance with the NAAQS in the Southside and Kennedy vicinities considering the existing stack heights at those facilities and all plants operating at full capacity.

TABLE 1

WORST-CASE DAYS IDENTIFIED BY
CRSTER FOR COARSE GRID ISCST ANALYSIS

Year	Days
1970	2, 15, 16, 49, 67, 102, 138, 195, 273, 290
1971	All 365 days
1972	26, 39, 40, 42, 80, 96, 131, 147, 163, 189, 204, 224, 231, 276, 285
1973	3, 7, 59, 205, 264, 278, 279, 294 295, 315, 323
1974	110, 237, 252, 263, 278, 279, 285, 295, 331, 337, 360

FIGURE 1
RECEPTOR GRID

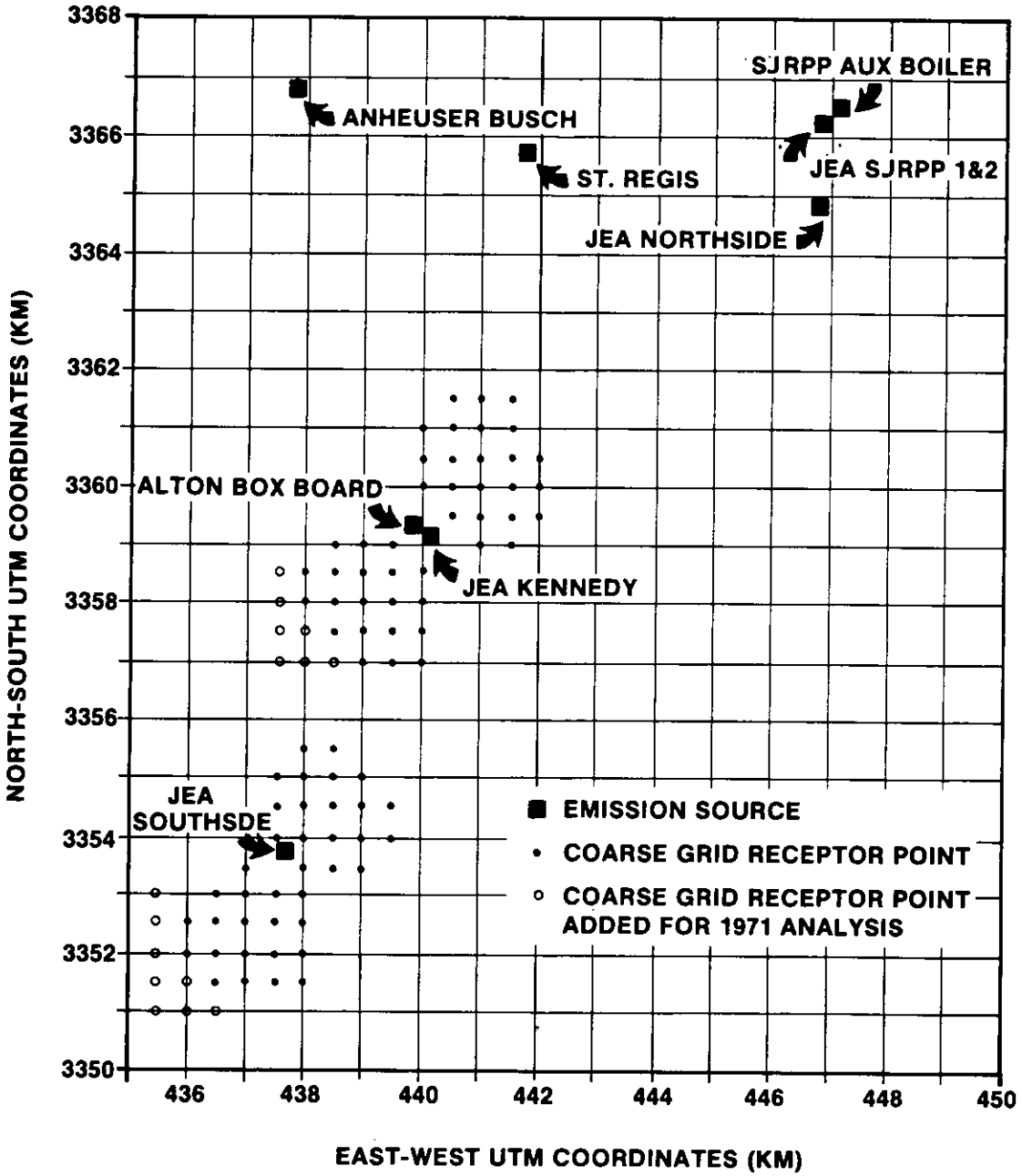

TABLE 2

WORST-CASE DAYS IDENTIFIED BY
ISCST FOR FINE GRID ANALYSIS

Year	Days
1970	2, 15, 16, 67, 273, 290
1971	100, 101, 110, 112, 180, 207, 273, 352, 356, 357
1972	26, 39, 42, 163, 189, 204, 231, 276, 285
1973	7, 59, 279, 294, 323
1974	237, 252, 278, 279, 331

TABLE 3

PREDICTED MAXIMUM SO_2 CONCENTRATIONS (ug/m^3)
FROM FINE GRID ISCST ANALYSES

Concentration	Annual	24-Hour	3-Hour
Highest (Day, Year)	25* -	331 (257, 1971)	828 (2, 1970)
Second Highest (Day, Year)	-	289 (356, 1971)	669 (180, 1971)
Monitored Background	4	21	90
Total	29	310	759
NAAQS	80	365	1300

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* Determined from 1971 coarse grid ISCST run only.

CRSTER ANALYSES OF

1970, 1972, 1973, and 1974

FOR WORST-CASE DAYS SELECTION

1970

CRSTER ANALYSIS
FOR WORST-CASE DAYS SELECTION

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PLANT NAME: JACKSONVILLE ELECTRIC AU  POLLUTANT: THORITY   EMISSION UNITS: GM/SEC    AIR QUALITY UNITS: GM/M**3
JAX. ELEC. AUTHORITY    S02
SURFACE DATA FROM JACKSONVILLE
MIXING HEIGHT DATA FROM WAYCROSS GA
 GLENN CROW  MAY 1980

             MET FILE      REQUESTED
            STN NO. YR    STN NO. YR
 SURFACE     13889  70     13889  70
 UPPER AIR   13861  70     13861  70
PLANT LOCATION: RURAL
ANEMOMETER HEIGHT IS  7.0 METERS
WIND PROFILE EXPONENTS ARE:   0.100  0.150  0.200  0.250  0.300  0.300,
NO TAPE OUTPUT
MET DATA WILL NOT BE PRINTED

DAY-- 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
      1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
      1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
      1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
      1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
      1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
      1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
      1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 0

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     ALL TABLES, INCLUDING SOURCE CONTRIBUTION, THAT CONTAIN "ANNUAL" IN THE HEADING ARE BASED ONLY ON THOSE DAYS

     MARKED BY "1" IN THE ABOVE TABLE
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70

S2 200°-240°

JEA Kam/55

RING DISTANCES(KM)= 7.50 11.00 12.00 16.50 17.50

PLANT ELEVATION (FEET ABOVE SEA LEVEL)-- 0.0

PLANT ELEVATION (METERS ABOVE SEA LEVEL)-- 0.0

RECEPTOR ELEVATIONS (FEET ABOVE SEA LEVEL)

DIRECTION	RING#1	RING#2	RING#3	RING#4	RING#5
20	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0

RECEPTOR ELEVATIONS (METERS ABOVE SEA LEVEL)

RING#1	RING#2	RING#3	RING#4	RING#5
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0

STACK # 1--JEA EASTPORT UNITS 1 AND 2
SOURCE LOCATION FROM CENTER OF RECEPTOR GRID (DIR,DIST(KM)) 0.00 0.00
STACK # 2--JEA NORTHSIDE UNITS 1 AND 2
SOURCE LOCATION FROM CENTER OF RECEPTOR GRID (DIR,DIST(KM)) 180.00 1.40
STACK # 3--JEA NORTHSIDE UNIT 3
SOURCE LOCATION FROM CENTER OF RECEPTOR GRID (DIR,DIST(KM)) 180.00 1.40
STACK # 4--JEA KENNEDY UNITS 7,8,9
SOURCE LOCATION FROM CENTER OF RECEPTOR GRID (DIR,DIST(KM)) 223.99 10.01
STACK # 5--JEA SOUTHSIDE UNITS 1,2,3,4,5
SOURCE LOCATION FROM CENTER OF RECEPTOR GRID (DIR,DIST(KM)) 216.80 15.61
STACK # 6--ST. REGIS PAPER ALL SOURCES
SOURCE LOCATION FROM CENTER OF RECEPTOR GRID (DIR,DIST(KM)) 265.76 6.77

STACK	MONTH	EMISSION RATE (GMS/SEC)	HEIGHT (METERS)	DIAMETER (METERS)	EXIT VELOCITY (M/SEC)	TEMP (DEG.K)	VOLUMETRIC FLOW (M**3/SEC)
1	ALL	1138.3000	194.16	10.13	18.29	327.60	1474.08
2	ALL	1256.7000	91.40	5.33	8.50	408.00	189.65
3	ALL	1194.9000	106.70	7.01	17.40	407.00	671.54
4	ALL	308.4000	84.00	4.12	23.20	408.00	309.29
5	ALL	465.8000	84.00	4.27	21.60	422.00	309.31
6	ALL	208.4000	32.30	2.13	16.10	433.00	57.37

70

SO_2 Criteria
worst case days
200 — 240
JEA SS + Kennedy

PLANT NAME: JACKSONVILLE ELECTRIC AU POLLUTANT: THORITY EMISSION UNITS: GM/SEC AIR QUALITY UNITS: GM/M**3

MAXIMUM MEAN CONC= 9.3497E-06 DIRECTION= 24 DISTANCE= 7.5 KM

ANNUAL MEAN CONCENTRATION AT EACH RECEPTOR

DIR \ RANGE	7.5 KM	11.0 KM	12.0 KM	16.5 KM	17.5 KM
20	7.96803E-06	5.66418E-06	5.34699E-06	4.34095E-06	4.64400E-06
21	8.14648E-06	7.03095E-06	7.10508E-06	3.93700E-06	3.73798E-06
22	9.05958E-06	7.08845E-06	6.14580E-06	4.06165E-06	4.04312E-06
23	7.78359E-06	5.57692E-06	5.59725E-06	6.00224E-06	5.11004E-06
24	9.34966E-06	8.50368E-06	7.68694E-06	7.47040E-06	7.02492E-06

PLANT NAME: JACKSONVILLE ELECTRIC AU POLLUTANT: THORITY EMISSION UNITS: GM/SEC AIR QUALITY UNITS: GM/M**3

YEARLY MAXIMUM 24-HOUR CONC= 9.4291E-05 DIRECTION= 23 DISTANCE= 7.5 KM DAY=290

HIGHEST 24-HOUR CONCENTRATION AT EACH RECEPTOR

RANGE DIR	7.5 KM	11.0 KM	12.0 KM	16.5 KM	17.5 KM
20	8.6695E-05 (2)	5.5325E-05 (2)	5.0949E-05 (2)	4.1478E-05 (2)	4.3041E-05 (2)
21	8.6205E-05 (14)	6.1932E-05 (14)	5.4401E-05 (14)	5.5891E-05 (37)	5.0338E-05 (37)
22	8.2102E-05 (16)	7.1957E-05 (16)	6.6468E-05 (16)	5.2591E-05 (16)	5.0173E-05 (16)
23	9.4291E-05 (290)	6.8850E-05 (290)	6.1591E-05 (290)	5.5564E-05 (16)	5.5848E-05 (38)
24	9.0757E-05 (256)	9.0482E-05 (138)	9.0505E-05 (138)	9.2291E-05 (138)	8.5441E-05 (138)

PLANT NAME: JACKSONVILLE ELECTRIC AU POLLUTANT: THORITY EMISSION UNITS: GM/SEC AIR QUALITY UNITS: GM/M**3

YEARLY SECOND MAXIMUM 24-HOUR CONC= 8.4755E-05 DIRECTION= 24 DISTANCE= 17.5 KM DAY= 15

SECOND HIGHEST 24-HOUR CONCENTRATION AT EACH RECEPTOR

RANGE DIR	7.5 KM	11.0 KM	12.0 KM	16.5 KM	17.5 KM
20	7.5695E-05 (348)	5.3599E-05 (13)	4.9157E-05 (13)	3.9502E-05 (13)	3.8843E-05 (13)
21	5.6916E-05 (38)	5.8803E-05 (272)	5.0515E-05 (36)	4.4866E-05 (13)	4.3403E-05 (13)
22	5.7736E-05 (125)	7.1212E-05 (275)	5.7404E-05 (275)	4.8440E-05 (13)	4.6035E-05 (14)
23	7.5970E-05 (15)	5.5095E-05 (38)	4.9824E-05 (38)	5.3631E-05 (290)	5.4871E-05 (16)
24	8.4485E-05 (180)	7.4001E-05 (102)	7.6437E-05 (102)	8.3741E-05 (15)	8.4755E-05 (15)

PLANT NAME: JACKSONVILLE ELECTRIC AU POLLUTANT: THORITY EMISSION UNITS: GM/SEC AIR QUALITY UNITS: GM/M**3

YEARLY MAXIMUM 3-HOUR CONC= 4.6547E-04 DIRECTION= 20 DISTANCE= 7.5 KM DAY= 2 TIME PERIOD= 4

DIR RANGE	HIGHEST 7.5 KM	3-HOUR CONCENTRATION AT EACH RECEPTOR 11.0 KM	12.0 KM	16.5 KM	17.5 KM
20	4.6547E-04 (2, 4)	3.4947E-04 (2, 4)	3.2266E-04 (2, 4)	2.3789E-04 (2, 4)	2.2464E-04 (2, 4)
21	2.4842E-04 (14, 4)	2.2255E-04 (38, 1)	2.0855E-04 (38, 1)	1.8474E-04 (37, 6)	1.8792E-04 (37, 6)
22	2.4991E-04 (227, 5)	1.9533E-04 (272, 4)	1.8619E-04 (67, 7)	2.0356E-04 (67, 7)	2.0375E-04 (67, 7)
23	2.5188E-04 (65, 4)	1.7722E-04 (125, 5)	1.7321E-04 (341, 4)	1.6669E-04 (168, 3)	1.6239E-04 (284, 6)
24	2.0363E-04 (138, 4)	2.4231E-04 (103, 5)	2.5441E-04 (103, 5)	2.2199E-04 (103, 5)	2.0834E-04 (103, 5)

> 240

> 2km

PLANT NAME: JACKSONVILLE ELECTRIC AU POLLUTANT: THORITY EMISSION UNITS: GM/SEC AIR QUALITY UNITS: GM/M**3

YEARLY SECOND MAXIMUM 3-HOUR CONC= 2.5656E-04 DIRECTION= 20 DISTANCE= 7.5 KM DAY=275 TIME PERIOD= 4

SECOND HIGHEST 3-HOUR CONCENTRATION AT EACH RECEPTOR

DIR	RANGE 7.5 KM	11.0 KM	12.0 KM	16.5 KM	17.5 KM
20	2.5656E-04 (275, 4)	1.9096E-04 (266, 3)	1.7890E-04 (266, 3)	1.9112E-04 (195, 1)	2.0500E-04 (195, 1)
21	2.3068E-04 (299, 4)	2.1294E-04 (49, 1)	1.8114E-04 (86, 3)	1.7107E-04 (86, 3)	1.7270E-04 (141, 8)
22	2.0099E-04 (290, 1)	1.7294E-04 (67, 7)	1.8478E-04 (272, 4)	1.8137E-04 (273, 6)	1.8308E-04 (273, 6)
23	1.9977E-04 (5, 4)	1.7499E-04 (341, 4)	1.6899E-04 (125, 5)	1.6545E-04 (330, 4)	1.6160E-04 (38, 3)
24	2.2114E-04 (281, 4)	1.9181E-04 (342, 6)	1.8339E-04 (342, 6)	1.9221E-04 (138, 7)	1.9816E-04 (138, 7)

1972

CRSTER ANALYSIS
FOR WORST-CASE DAYS SELECTION

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PLANT NAME: JACKSONVILLE ELECTRIC AU  POLLUTANT: THORITY   EMISSION UNITS: GM/SEC     AIR QUALITY UNITS: GM/M**3
JAX. ELEC. AUTHORITY      SO2
SURFACE DATA FROM JACKSONVILLE
MIXING HEIGHT DATA FROM WAYCROSS GA
 GLENN CROW  MAY 1980

              MET FILE        REQUESTED
            STN NO. YR     STN NO. YR
 SURFACE      13889  72      13889  72
 UPPER AIR    13861  72      13861  72
PLANT LOCATION: RURAL
ANEMOMETER HEIGHT IS  7.0 METERS
WIND PROFILE EXPONENTS ARE:   0.100  0.150  0.200  0.250  0.300  0.300,
NO TAPE OUTPUT
MET DATA WILL NOT BE PRINTED

DAY-- 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
      1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
      1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
      1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
      1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
      1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
      1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
      1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1

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         ALL TABLES, INCLUDING SOURCE CONTRIBUTION, THAT CONTAIN "ANNUAL" IN THE HEADING ARE BASED ONLY ON THOSE DAYS

         MARKED BY "1" IN THE ABOVE TABLE
```

RING DISTANCES(KM)= 7.50 11.00 12.00 16.50 17.50

PLANT ELEVATION (FEET ABOVE SEA LEVEL)-- 0.0 PLANT ELEVATION (METERS ABOVE SEA LEVEL)-- 0.0

RECEPTOR ELEVATIONS (FEET ABOVE SEA LEVEL)						RECEPTOR ELEVATIONS (METERS ABOVE SEA LEVEL)				
DIRECTION	RING#1	RING#2	RING#3	RING#4	RING#5	RING#1	RING#2	RING#3	RING#4	RING#5
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

STACK # 1--JEA EASTPORT UNITS 1 AND 2
SOURCE LOCATION FROM CENTER OF RECEPTOR GRID (DIR,DIST(KM)) 0.00 0.00
STACK # 2--JEA NORTHSIDE UNITS 1 AND 2
SOURCE LOCATION FROM CENTER OF RECEPTOR GRID (DIR,DIST(KM)) 180.00 1.40
STACK # 3--JEA NORTHSIDE UNIT 3
SOURCE LOCATION FROM CENTER OF RECEPTOR GRID (DIR,DIST(KM)) 180.00 1.40
STACK # 4--JEA KENNEDY UNITS 7,8,9
SOURCE LOCATION FROM CENTER OF RECEPTOR GRID (DIR,DIST(KM)) 223.99 10.01
STACK # 5--JEA SOUTHSIDE UNITS 1,2,3,4,5
SOURCE LOCATION FROM CENTER OF RECEPTOR GRID (DIR,DIST(KM)) 216.80 15.61
STACK # 6--ST. REGIS PAPER ALL SOURCES
SOURCE LOCATION FROM CENTER OF RECEPTOR GRID (DIR,DIST(KM)) 265.76 6.77

STACK	MONTH	EMISSION RATE (GMS/SEC)	HEIGHT (METERS)	DIAMETER (METERS)	EXIT VELOCITY (M/SEC)	TEMP (DEG.K)	VOLUMETRIC FLOW (M**3/SEC)
1	ALL	1138.3000	194.16	10.13	18.29	327.60	1474.08
2	ALL	1256.7000	91.40	5.33	8.50	408.00	189.65
3	ALL	1194.9000	106.70	7.01	17.40	407.00	671.54
4	ALL	308.4000	84.00	4.12	23.20	408.00	309.29
5	ALL	465.8000	84.00	4.27	21.60	422.00	309.31
6	ALL	208.4000	32.30	2.13	16.10	433.00	57.37

PLANT NAME: JACKSONVILLE ELECTRIC AU POLLUTANT: THORITY EMISSION UNITS: GM/SEC AIR QUALITY UNITS: GM/M**3

MAXIMUM MEAN CONC= 1.3099E-05 DIRECTION= 23 DISTANCE= 7.5 KM

ANNUAL MEAN CONCENTRATION AT EACH RECEPTOR

DIR	RANGE 7.5 KM	11.0 KM	12.0 KM	16.5 KM	17.5 KM
20	8.83945E-06	8.56783E-06	7.83199E-06	7.33785E-06	7.52563E-06
21	1.06674E-05	9.73782E-06	1.02099E-05	7.19759E-06	6.75801E-06
22	1.26133E-05	1.11838E-05	1.02183E-05	8.68249E-06	9.22195E-06
23	1.30985E-05	1.16026E-05	1.19889E-05	1.00544E-05	9.50683E-06
24	1.16091E-05	1.08774E-05	1.08002E-05	1.01323E-05	9.99659E-06

PLANT NAME: JACKSONVILLE ELECTRIC AU POLLUTANT: THORITY EMISSION UNITS: GM/SEC AIR QUALITY UNITS: GM/M**3

YEARLY MAXIMUM 24-HOUR CONC= 1.2144E-04 DIRECTION= 23 DISTANCE= 7.5 KM DAY=163

HIGHEST 24-HOUR CONCENTRATION AT EACH RECEPTOR

RANGE DIR	7.5 KM	11.0 KM	12.0 KM	16.5 KM	17.5 KM
20	5.4369E-05 (39)	6.8579E-05 (40)	7.1507E-05 (40)	7.3354E-05 (40)	7.2914E-05 (40)
21	7.9585E-05 (285)	9.7634E-05 (39)	9.9960E-05 (39)	9.1849E-05 (39)	8.6957E-05 (39)
22	8.6153E-05 (100)	8.3740E-05 (26)	8.0707E-05 (26)	7.7206E-05 (285)	7.9111E-05 (285)
23	1.2144E-04 (163)	8.9449E-05 (26)	8.6736E-05 (26)	8.3905E-05 (26)	8.4558E-05 (26)
24	5.9524E-05 (66)	7.2398E-05 (80)	7.1285E-05 (80)	7.4475E-05 (163)	7.6864E-05 (163)

PLANT NAME: JACKSONVILLE ELECTRIC AU POLLUTANT: THORITY EMISSION UNITS: GM/SEC AIR QUALITY UNITS: GM/M**3

YEARLY SECOND MAXIMUM 24-HOUR CONC= 8.8565E-05 DIRECTION= 23 DISTANCE= 7.5 KM DAY=131

SECOND HIGHEST 24-HOUR CONCENTRATION AT EACH RECEPTOR

RANGE DIR	7.5 KM	11.0 KM	12.0 KM	16.5 KM	17.5 KM
20	5.3831E-05 (246)	5.3819E-05 (39)	5.2664E-05 (39)	5.2846E-05 (17)	5.4064E-05 (17)
21	7.4148E-05 (334)	8.1729E-05 (42)	8.2471E-05 (42)	6.6031E-05 (329)	6.4165E-05 (42)
22	8.5793E-05 (284)	7.9246E-05 (342)	7.8858E-05 (342)	7.2636E-05 (342)	7.1420E-05 (342)
23	8.8565E-05 (131)	7.8062E-05 (276)	8.1426E-05 (276)	7.7513E-05 (276)	7.5925E-05 (276)
24	5.8888E-05 (33)	6.5844E-05 (346)	7.0256E-05 (96)	6.3347E-05 (80)	5.9871E-05 (276)

PLANT NAME: JACKSONVILLE ELECTRIC AU POLLUTANT: THORITY EMISSION UNITS: GM/SEC AIR QUALITY UNITS: GM/M**3

YEARLY MAXIMUM 3-HOUR CONC= 3.5234E-04 DIRECTION= 21 DISTANCE= 7.5 KM DAY=224 TIME PERIOD= 3

RANGE DIR	HIGHEST 7.5 KM	3-HOUR CONCENTRATION AT EACH RECEPTOR 11.0 KM	12.0 KM	16.5 KM	17.5 KM
20	3.1662E-04 (314, 4)	2.1789E-04 (17, 3)	2.2278E-04 (17, 3)	2.1289E-04 (17, 3)	2.0772E-04 (17, 3)
21	3.5234E-04 (224, 3)	2.9195E-04 (23, 6)	2.8190E-04 (231, 6)	2.3563E-04 (231, 6)	2.2640E-04 (231, 6)
22	2.4128E-04 (117, 5)	2.2838E-04 (99, 7)	2.2190E-04 (99, 7)	2.0750E-04 (117, 4)	2.0295E-04 (117, 4)
23	3.0264E-04 (163, 3)	2.7641E-04 (204, 4)	2.5240E-04 (204, 4)	2.3553E-04 (189, 6)	2.3244E-04 (189, 6)
24	2.5804E-04 (121, 5)	2.5685E-04 (80, 4)	2.6373E-04 (131, 7)	2.3949E-04 (131, 7)	2.2677E-04 (131, 7)

PLANT NAME: JACKSONVILLE ELECTRIC AU POLLUTANT: THORITY EMISSION UNITS: GM/SEC AIR QUALITY UNITS: GM/M**3

YEARLY SECOND MAXIMUM 3-HOUR CONC= 3.2195E-04 DIRECTION= 21 DISTANCE= 7.5 KM DAY=231 TIME PERIOD= 6

	SECOND HIGHEST 3-HOUR CONCENTRATION AT EACH RECEPTOR				
RANGE	7.5 KM	11.0 KM	12.0 KM	16.5 KM	17.5 KM
DIR					
20	3.0112E-04 (231, 6)	2.0579E-04 (243, 1)	2.0045E-04 (245, 3)	1.8806E-04 (341, 6)	1.9571E-04 (341, 6)
21	3.2195E-04 (231, 6)	2.6184E-04 (224, 3)	2.1124E-04 (224, 3)	1.7578E-04 (304, 7)	2.0471E-04 (348, 1)
22	2.2497E-04 (100, 2)	2.2103E-04 (295, 5)	2.1976E-04 (156, 3)	1.9390E-04 (244, 5)	2.0069E-04 (244, 5)
23	2.8570E-04 (353, 5)	2.6679E-04 (147, 6)	2.4807E-04 (189, 6)	2.1063E-04 (204, 4)	2.0447E-04 (204, 4)
24	2.4729E-04 (235, 6)	2.4932E-04 (131, 7)	2.5748E-04 (80, 4)	1.9550E-04 (80, 4)	1.7964E-04 (80, 4)

1973

CRSTER ANALYSIS
FOR WORST-CASE DAYS SELECTION

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PLANT NAME: JACKSONVILLE ELECTRIC AU  POLLUTANT: THORITY   EMISSION UNITS: GM/SEC    AIR QUALITY UNITS: GM/M**3
JAX. ELEC. AUTHORITY     SO2
SURFACE DATA FROM JACKSONVILLE
MIXING HEIGHT DATA FROM WAYCROSS GA
GLENN CROW   MARCH 1980

                 MET FILE       REQUESTED
               STN NO. YR      STN NO. YR
 SURFACE        13889  73       13889  73
 UPPER AIR      13861  73       13861  73
PLANT LOCATION: RURAL
NO TAPE OUTPUT
MET DATA WILL NOT BE PRINTED

DAY-- 1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
      1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
      1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
      1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
      1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
      1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
      1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
      1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 0

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        ALL TABLES, INCLUDING SOURCE CONTRIBUTION, THAT CONTAIN "ANNUAL" IN THE HEADING ARE BASED ONLY ON THOSE DAYS

        MARKED BY "1" IN THE ABOVE TABLE
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RING DISTANCES(KM)= 7.50 11.00 12.00 16.50 17.50

PLANT ELEVATION (FEET ABOVE SEA LEVEL)-- 0.0 PLANT ELEVATION (METERS ABOVE SEA LEVEL)-- 0.0

RECEPTOR ELEVATIONS (FEET ABOVE SEA LEVEL) RECEPTOR ELEVATIONS (METERS ABOVE SEA LEVEL)

DIRECTION	RING#1	RING#2	RING#3	RING#4	RING#5	RING#1	RING#2	RING#3	RING#4	RING#5
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

STACK # 1--JEA EASTPORT UNITS 1 AND 2
SOURCE LOCATION FROM CENTER OF RECEPTOR GRID (DIR,DIST(KM)) 0.00 0.00
STACK # 2--JEA NORTHSIDE UNITS 1 AN) 2
SOURCE LOCATION FROM CENTER OF RECEPTOR GRID (DIR,DIST(KM)) 180.00 1.40
STACK # 3--JEA NORTHSIDE UNIT 3
SOURCE LOCATION FROM CENTER OF RECEPTOR GRID (DIR,DIST(KM)) 180.00 1.40
STACK # 4--JEA KENNEDY UNITS 7,8,9
SOURCE LOCATION FROM CENTER OF RECEPTOR GRID (DIR,DIST(KM)) 223.99 10.01
STACK # 5--JEA SOUTHSIDE UNITS 1,2,3,4,5
SOURCE LOCATION FROM CENTER OF RECEPTOR GRID (DIR,DIST(KM)) 216.80 15.61
STACK # 6--ST. REGIS PAPER ALL SOURCES
SOURCE LOCATION FROM CENTER OF RECEPTOR GRID (DIR,DIST(KM)) 265.76 6.77

STACK	MONTH	EMISSION RATE (GMS/SEC)	HEIGHT (METERS)	DIAMETER (METERS)	EXIT VELOCITY (M/SEC)	TEMP (DEG.K)	VOLUMETRIC FLOW (M**3/SEC)
1	ALL	1138.3000	194.16	10.13	18.29	327.60	1474.09
2	ALL	1256.7000	91.40	5.33	8.50	408.00	189.65
3	ALL	1194.9000	106.70	7.01	17.40	407.00	671.54
4	ALL	308.4000	84.00	4.12	23.20	408.00	309.29
5	ALL	465.8000	84.00	4.27	21.60	422.00	309.31
6	ALL	208.4000	32.30	2.13	16.10	433.00	57.37

PLANT NAME: JACKSONVILLE ELECTRIC AU POLLUTANT: THIRITY EMISSION UNITS: GM/SEC AIR QUALITY UNITS: GM/M**3

MAXIMUM MEAN CONC= 1.2510E-05 DIRECTION= 24 DISTANCE= 7.5 KM

ANNUAL MEAN CONCENTRATION AT EACH RECEPTOR

DIR	RANGE 7.5 KM	11.0 KM	12.0 KM	16.5 KM	17.5 KM
2	6.10739E-05	6.09518E-06	5.77724E-06	5.65451E-06	5.57470E-06
3	6.65070E-06	6.30487E-06	6.33169E-06	5.87145E-06	5.72773E-06
4	7.61280E-06	7.32344E-06	7.13549E-06	6.37423E-06	6.21143E-06
5	7.69724E-05	6.74780E-06	6.53704E-06	5.67196E-06	5.54242E-06
6	7.98860E-06	7.09585E-06	6.87406E-06	6.20751E-06	6.04877E-06
7	8.51708E-06	7.18157E-06	6.86273E-06	5.69547E-06	5.49209E-06
8	7.12156E-06	5.76763E-06	5.39190E-06	4.33751E-06	4.22880E-06
9	6.06540E-05	4.52750E-06	4.30109E-06	3.54083E-06	3.37471E-06
10	5.16697E-05	3.46196E-06	3.49324E-06	3.15397E-06	3.00209E-06
11	6.29811E-06	3.77152E-06	3.95296E-06	3.11649E-06	3.00242E-06
12	6.42545E-06	5.06836E-06	4.81538E-06	3.32917E-06	2.93976E-06
20	7.33164E-06	7.33370E-06	5.29215E-06	4.74520E-06	4.59207E-06
21	1.00730E-05	8.36895E-06	8.14618E-06	5.33315E-06	4.96410E-06
22	1.14586E-05	9.54312E-06	8.33667E-06	7.10096E-06	7.63646E-06
23	1.18649E-05	8.94090E-06	8.49028E-06	7.22314E-06	6.97863E-06
24	1.25097E-05	9.59506E-06	9.09445E-06	9.26675E-06	8.77766E-06
25	1.18217E-05	9.82826E-06	9.84340E-06	8.71945E-06	8.29513E-06
26	1.12824E-05	1.05186E-05	9.80124E-06	6.54378E-06	6.28045E-06
27	1.09724E-05	8.22456E-06	7.65217E-06	4.10707E-06	4.09084E-06
28	9.36503E-06	8.94375E-06	7.65993E-06	4.22000E-06	4.07248E-06
29	1.23087E-05	8.20937E-06	8.20090E-06	4.82629E-06	4.72004E-06
30	1.21654E-05	7.87491E-06	7.49807E-06	5.05717E-06	5.22593E-06

PLANT NAME: JACKSONVILLE ELECTRIC AU POLLUTANT: THORITY EMISSION UNITS: GM/SEC AIR QUALITY UNITS: GM/M**3

YEARLY MAXIMUM 24-HOUR CONC= 1.0672E-04 DIRECTION= 30 DISTANCE= 7.5 KM DAY=339

HIGHEST 24-HOUR CONCENTRATION AT EACH RECEPTOR

DIR	RANGE 7.5 KM	11.0 KM	12.0 KM	16.5 KM	17.5 KM
2	5.8490E-05 (331)	6.4934E-05 (329)	5.5592E-05 (364)	6.3378E-05 (329)	6.1892E-05 (329)
3	7.0343E-05 (196)	7.2239E-05 (347)	7.2900E-05 (347)	6.3775E-05 (347)	6.8314E-05 (347)
4	7.3314E-05 (347)	6.1077E-05 (347)	5.6606E-05 (197)	4.7943E-05 (140)	4.7424E-05 (329)
5	7.4266E-05 (329)	5.2921E-05 (329)	5.1079E-05 (144)	4.6703E-05 (289)	4.6486E-05 (289)
6	1.0670E-04 (289)	9.9230E-05 (289)	9.5279E-05 (289)	7.7772E-05 (289)	7.4340E-05 (289)
7	1.0191E-04 (137)	7.1917E-05 (137)	6.5339E-05 (137)	4.5046E-05 (289)	4.2697E-05 (289)
8	5.5752E-05 (165)	4.6909E-05 (357)	4.5828E-05 (357)	3.9543E-05 (357)	3.7957E-05 (357)
9	5.5923E-05 (229)	5.1253E-05 (229)	4.8831E-05 (229)	3.7740E-05 (253)	3.8389E-05 (131)
10	5.4036E-05 (137)	3.7380E-05 (355)	3.7619E-05 (131)	5.6270E-05 (34)	5.5779E-05 (34)
11	4.9199E-05 (27)	4.7335E-05 (141)	4.4490E-05 (141)	4.2046E-05 (78)	3.9933E-05 (78)
12	6.3897E-05 (160)	4.3574E-05 (169)	4.6309E-05 (169)	6.4620E-05 (351)	4.3170E-05 (351)
20	5.8936E-05 (3)	8.9150E-05 (294)	5.1795E-05 (234)	5.2853E-05 (294)	7.4262E-05 (294)
21	9.2308E-05 (59)	7.1600E-05 (315)	6.4596E-05 (295)	5.3560E-05 (294)	5.6605E-05 (294)
22	7.4988E-05 (236)	6.9725E-05 (279)	6.3018E-05 (316)	8.5224E-05 (7)	8.5598E-05 (7)
23	6.3180E-05 (278)	6.9998E-05 (279)	5.6157E-05 (259)	7.1052E-05 (279)	7.0713E-05 (279)
24	7.9059E-05 (231)	5.6781E-05 (17)	5.9819E-05 (275)	5.9852E-05 (276)	5.7236E-05 (275)
25	7.4181E-05 (12)	5.3664E-05 (283)	5.6704E-05 (87)	6.4939E-05 (83)	6.5009E-05 (83)
26	8.8878E-05 (245)	7.0981E-05 (245)	6.2990E-05 (244)	5.1040E-05 (245)	4.4074E-05 (245)
27	8.7766E-05 (120)	8.3683E-05 (56)	7.0432E-05 (53)	4.4514E-05 (158)	3.3334E-05 (105)
28	7.5717E-05 (157)	7.2457E-05 (244)	5.5696E-05 (61)	3.9997E-05 (133)	4.6731E-05 (61)
29	8.1975E-05 (360)	5.7095E-05 (120)	6.1362E-05 (120)	5.3648E-05 (120)	5.2807E-05 (120)
30	1.0672E-04 (339)	8.7771E-05 (127)	8.1430E-05 (127)	6.6664E-05 (127)	6.0787E-05 (127)

PLANT NAME: JACKSONVILLE ELECTRIC AU POLLUTANT: THORITY EMISSION UNITS: GM/SEC AIR QUALITY UNITS: GM/M**3

YEARLY SECOND MAXIMUM 24-HOUR CONC= 9.7125E-05 DIRECTION= 7 DISTANCE= 7.5 KM DAY= 85

SECOND HIGHEST 24-HOUR CONCENTRATION AT EACH RECEPTOR

DIR	RANGE 7.5 KM	11.3 KM	12.0 KM	16.5 KM	17.5 KM
2	5.8255E-05 (223)	5.5462E-05 (364)	5.1643E-05 (304)	5.4527E-05 (364)	5.3894E-05 (364)
3	6.2221E-05 (75)	6.6285E-05 (75)	6.2801E-05 (75)	4.9922E-05 (196)	4.9515E-05 (196)
4	6.5592E-05 (123)	5.9752E-05 (304)	5.5341E-05 (123)	4.7682E-05 (329)	4.5745E-05 (140)
5	6.3565E-05 (171)	4.9908E-05 (147)	4.8904E-05 (147)	4.4655E-05 (144)	4.3361E-05 (144)
6	9.0212E-05 (186)	7.8911E-05 (186)	7.4471E-05 (185)	6.5441E-05 (137)	6.5903E-05 (137)
7	9.7125E-05 (85)	7.0286E-05 (85)	6.2739E-05 (85)	4.4685E-05 (137)	4.2301E-05 (140)
8	5.5057E-05 (233)	4.1546E-05 (238)	3.8820E-05 (238)	3.2631E-05 (313)	3.2029E-05 (175)
9	5.4250E-05 (117)	4.9867E-05 (253)	4.7643E-05 (258)	3.6725E-05 (131)	3.6158E-05 (255)
10	5.2929E-05 (143)	3.5157E-05 (143)	3.5529E-05 (309)	3.2881E-05 (76)	3.8682E-05 (76)
11	4.8340E-05 (209)	3.8927E-05 (53)	3.7070E-05 (180)	3.4438E-05 (274)	3.3179E-05 (274)
12	6.3466E-05 (165)	4.1460E-05 (351)	4.0623E-05 (29)	4.1746E-05 (169)	3.4269E-05 (169)
20	5.7662E-05 (294)	5.3516E-05 (293)	4.8099E-05 (177)	4.4641E-05 (295)	5.7895E-05 (9)
21	7.5414E-05 (7)	7.0590E-05 (7)	6.1736E-05 (7)	5.4873E-05 (315)	5.0856E-05 (315)
22	6.7483E-05 (279)	6.4471E-05 (295)	6.1632E-05 (295)	7.0453E-05 (59)	7.6072E-05 (59)
23	5.8638E-05 (238)	5.8281E-05 (206)	5.3648E-05 (205)	6.3860E-05 (280)	6.3921E-05 (290)
24	7.1250E-05 (184)	5.1900E-05 (276)	5.1329E-05 (281)	4.7944E-05 (281)	4.7545E-05 (358)
25	6.3983E-05 (182)	4.9215E-05 (87)	5.4230E-05 (283)	5.2617E-05 (246)	5.9537E-05 (246)
26	7.6286E-05 (182)	6.3375E-05 (182)	6.2756E-05 (245)	4.6783E-05 (244)	4.3879E-05 (244)
27	7.0052E-05 (203)	6.9804E-05 (241)	6.3959E-05 (241)	3.5260E-05 (105)	3.2375E-05 (55)
28	5.8697E-05 (133)	6.3538E-05 (203)	5.5030E-05 (111)	3.4113E-05 (247)	3.9365E-05 (133)
29	7.7655E-05 (120)	5.6900E-05 (243)	5.9325E-05 (243)	3.5757E-05 (324)	4.9307E-05 (269)
30	9.2568E-05 (127)	6.8246E-05 (159)	6.4515E-05 (159)	4.0907E-05 (160)	4.8801E-05 (32)

PLANT NAME: JACKSONVILLE ELECTRIC AU POLLUTANT: THORITY EMISSION UNITS: GM/SEC AIR QUALITY UNITS: GM/M**3

YEARLY MAXIMUM 3-HOUR CONC= 3.9860E-04 DIRECTION= 6 DISTANCE= 7.5 KM DAY=289 TIME PERIOD= 5

DIR	RANGE	HIGHEST 7.5 KM	3-HOUR CONCENTRATION AT EACH RECEPTOR 11.0 KM	12.0 KM	16.5 KM	17.5 KM
2		3.0965E-04 (331, 4)	2.3766E-04 (331, 4)	2.3626E-04 (364, 3)	2.1939E-04 (364, 3)	2.1398E-04 (364, 3)
3		2.9792E-04 (311, 5)	2.8233E-04 (179, 3)	2.7704E-04 (179, 3)	2.4603E-04 (179, 3)	2.3899E-04 (179, 3)
4		2.9196E-04 (347, 8)	2.3729E-04 (347, 8)	2.3822E-04 (323, 1)	2.9224E-04 (323, 1)	2.9552E-04 (323, 1)
5		2.9785E-04 (329, 5)	2.2761E-04 (329, 5)	2.0455E-04 (329, 5)	1.9967E-04 (320, 2)	2.0164E-04 (320, 2)
6		3.9860E-04 (289, 5)	3.1253E-04 (289, 5)	2.9040E-04 (289, 4)	2.5498E-04 (289, 4)	2.4686E-04 (289, 4)
7		3.9495E-04 (289, 4)	2.2475E-04 (186, 3)	2.0910E-04 (197, 3)	1.9952E-04 (348, 6)	1.9622E-04 (348, 6)
8		3.0647E-04 (357, 4)	3.0070E-04 (357, 4)	2.7876E-04 (357, 4)	1.9311E-04 (357, 4)	1.7953E-04 (357, 4)
9		3.2151E-04 (229, 3)	2.3558E-04 (253, 3)	2.3720E-04 (253, 3)	1.8104E-04 (98, 3)	1.7658E-04 (93, 3)
10		2.7991E-04 (193, 1)	2.2160E-04 (6, 4)	2.2255E-04 (6, 4)	2.1030E-04 (6, 4)	2.0184E-04 (5, 4)
11		3.1015E-04 (335, 5)	2.4311E-04 (335, 6)	2.2429E-04 (303, 4)	1.9758E-04 (303, 4)	1.9996E-04 (303, 4)
12		2.5668E-04 (307, 6)	1.9122E-04 (198, 5)	1.8046E-04 (198, 5)	1.5801E-04 (54, 4)	1.6002E-04 (108, 3)
20		3.9621E-04 (3, 5)	3.5582E-04 (3, 5)	3.3353E-04 (3, 5)	2.5162E-04 (3, 5)	2.3815E-04 (3, 5)
21		2.5040E-04 (296, 5)	3.5003E-04 (278, 3)	2.1969E-04 (279, 3)	1.9119E-04 (290, 5)	1.8530E-04 (29), 5)
22		3.5018E-04 (236, 4)	2.9786E-04 (323, 5)	2.7489E-04 (323, 5)	1.8386E-04 (323, 5)	1.7050E-04 (273, 6)
23		3.4864E-04 (265, 4)	2.7143E-04 (205, 3)	2.7465E-04 (264, 3)	2.4697E-04 (205, 3)	2.4216E-04 (205, 3)
24		3.0581E-04 (281, 4)	2.4887E-04 (260, 6)	2.4024E-04 (260, 6)	2.0967E-04 (87, 5)	2.0896E-04 (87, 5)
25		2.2730E-04 (188, 5)	2.1855E-04 (87, 6)	2.1126E-04 (254, 5)	2.0149E-04 (182, 7)	2.0552E-04 (182, 7)
26		2.7556E-04 (207, 5)	2.4157E-04 (240, 6)	2.0347E-04 (240, 6)	2.2596E-04 (87, 7)	2.2409E-04 (87, 7)
27		3.8121E-04 (120, 4)	3.6146E-04 (242, 6)	3.0493E-04 (242, 6)	2.3328E-04 (158, 8)	1.9256E-04 (153, 8)
28		2.5987E-04 (155, 5)	2.2774E-04 (126, 8)	1.9552E-04 (244, 4)	1.8429E-04 (111, 6)	1.9159E-04 (111, 6)
29		3.6577E-04 (121, 5)	2.2088E-04 (249, 5)	2.1223E-04 (106, 6)	1.9073E-04 (106, 6)	1.9379E-04 (105, 6)
30		3.5203E-04 (194, 3)	2.7432E-04 (194, 3)	2.5514E-04 (32, 4)	2.1966E-04 (269, 2)	2.2950E-04 (269, 2)

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PLANT NAME: JACKSONVILLE ELECTRIC AU POLLUTANT: THIRITY EMISSION UNITS: GM/SEC AIR QUALITY UNITS: GM/M**3

YEARLY SECOND MAXIMUM 3-HOUR CONC= 3.3023E-04 DIRECTION= 7 DISTANCE= 7.5 KM DAY=187 TIME PERIOD= 3

SECOND HIGHEST 3-HOUR CONCENTRATION AT EACH RECEPTOR

DIR	RANGE 7.5 KM	11.0 KM	12.0 KM	16.5 KM	17.5 KM
2	2.8302E-04 (115, 5)	2.3630E-04 (364, 3)	2.2352E-04 (331, 4)	2.0556E-04 (329, 3)	2.0591E-04 (329, 3)
3	2.8833E-04 (116, 7)	2.7195E-04 (116, 7)	2.5910E-04 (116, 7)	2.0313E-04 (312, 3)	1.9982E-04 (312, 3)
4	2.7218E-04 (194, 4)	2.2428E-04 (194, 4)	2.1664E-04 (347, 8)	2.0305E-04 (171, 3)	1.9953E-04 (171, 3)
5	2.8965E-04 (171, 3)	1.9632E-04 (164, 3)	1.9139E-04 (167, 3)	1.8073E-04 (257, 3)	1.7719E-04 (257, 3)
6	3.2868E-04 (187, 3)	2.9578E-04 (289, 4)	2.8913E-04 (289, 5)	2.4553E-04 (123, 7)	2.4108E-04 (197, 7)
7	3.3023E-04 (187, 3)	2.1779E-04 (35, 5)	2.0611E-04 (186, 3)	1.9127E-04 (197, 3)	1.8589E-04 (197, 3)
8	2.5403E-04 (233, 4)	1.8724E-04 (300, 4)	1.7562E-04 (300, 4)	1.4028E-04 (94, 4)	1.3642E-04 (94, 4)
9	2.2200E-04 (71, 5)	2.2739E-04 (229, 3)	2.0429E-04 (229, 3)	1.5640E-04 (253, 3)	1.4682E-04 (253, 3)
10	2.3758E-04 (137, 3)	1.6411E-04 (129, 5)	1.6861E-04 (129, 5)	1.9954E-04 (318, 3)	1.7349E-04 (36, 1)
11	2.5068E-04 (19, 5)	2.2308E-04 (303, 4)	1.8687E-04 (53, 6)	1.8390E-04 (332, 8)	1.8634E-04 (332, 8)
12	2.4878E-04 (303, 6)	1.7901E-04 (351, 1)	1.7869E-04 (351, 1)	1.5522E-04 (103, 3)	1.5890E-04 (54, 4)
20	3.0049E-04 (206, 3)	2.4568E-04 (294, 2)	2.5058E-04 (294, 2)	2.3823E-04 (294, 2)	2.3228E-04 (294, 2)
21	2.4133E-04 (278, 3)	2.0703E-04 (295, 6)	2.0065E-04 (295, 6)	1.7879E-04 (294, 3)	1.7508E-04 (294, 3)
22	3.0066E-04 (323, 5)	2.1010E-04 (295, 5)	1.9333E-04 (295, 5)	1.7688E-04 (278, 6)	1.6920E-04 (7, 2)
23	3.2376E-04 (278, 5)	2.1634E-04 (236, 4)	2.6995E-04 (205, 3)	2.1773E-04 (279, 5)	2.1781E-04 (279, 5)
24	2.9658E-04 (184, 4)	2.3809E-04 (17, 5)	2.2497E-04 (17, 5)	1.9911E-04 (112, 3)	1.9996E-04 (112, 3)
25	2.2822E-04 (237, 4)	2.1401E-04 (254, 5)	2.0538E-04 (87, 6)	1.7839E-04 (83, 7)	1.8191E-04 (83, 7)
26	2.6369E-04 (182, 6)	2.0918E-04 (281, 4)	1.9432E-04 (199, 6)	1.9602E-04 (159, 1)	1.9418E-04 (105, 7)
27	3.0968E-04 (121, 5)	3.1408E-04 (241, 4)	2.6487E-04 (68, 4)	1.6924E-04 (105, 8)	1.8988E-04 (63, 4)
28	2.2887E-04 (157, 5)	2.0051E-04 (109, 4)	1.8149E-04 (207, 7)	1.7123E-04 (153, 7)	1.8126E-04 (153, 7)
29	2.6230E-04 (178, 5)	2.0673E-04 (106, 6)	1.9629E-04 (249, 5)	1.7508E-04 (155, 6)	1.7703E-04 (155, 6)
30	2.9332E-04 (127, 5)	2.6114E-04 (32, 4)	2.5230E-04 (194, 3)	1.9641E-04 (32, 4)	1.9790E-04 (27), 4)

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1974

CRSTER ANALYSIS
FOR WORST-CASE DAYS SELECTION

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PLANT NAME: JACKSONVILLE ELECTRIC AU  POLLUTANT: THORITY   EMISSION UNITS: GM/SEC     AIR QUALITY UNITS: GM/M**3
JAX. ELEC. AUTHORITY      SO2
SURFACE DATA FROM JACKSONVILLE
MIXING HEIGHT DATA FROM WAYCROSS GA
 GLENN CROW  MAY 1980

             MET FILE      REQUESTED
            STN NO. YR    STN NO. YR
 SURFACE     13889  74     13889  74
 UPPER AIR   13861  74     13861  74
PLANT LOCATION: RURAL
ANEMOMETER HEIGHT IS  7.0 METERS
WIND PROFILE EXPONENTS ARE:   0.100  0.150  0.200  0.250  0.300  0.300.
NO TAPE OUTPUT
MET DATA WILL NOT BE PRINTED

DAY-- 1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
      1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
      1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
      1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
      1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
      1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
      1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
      1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 0


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          ALL TABLES, INCLUDING SOURCE CONTRIBUTION, THAT CONTAIN "ANNUAL" IN THE HEADING ARE BASED ONLY ON THOSE DAYS

          MARKED BY "1" IN THE ABOVE TABLE
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RING DISTANCES(KM)= 7.50 11.00 12.00 16.50 17.50

PLANT ELEVATION (FEET ABOVE SEA LEVEL)-- 0.0 PLANT ELEVATION (METERS ABOVE SEA LEVEL)-- 0.0

	RECEPTOR ELEVATIONS (FEET ABOVE SEA LEVEL)					RECEPTOR ELEVATIONS (METERS ABOVE SEA LEVEL)				
DIRECTION	RING#1	RING#2	RING#3	RING#4	RING#5	RING#1	RING#2	RING#3	RING#4	RING#5
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

STACK # 1--JEA EASTPORT UNITS 1 AND 2		
SOURCE LOCATION FROM CENTER OF RECEPTOR GRID (DIR,DIST(KM))	0.00	0.00
STACK # 2--JEA NORTHSIDE UNITS 1 AND 2		
SOURCE LOCATION FROM CENTER OF RECEPTOR GRID (DIR,DIST(KM))	180.00	1.40
STACK # 3--JEA NORTHSIDE UNIT 3		
SOURCE LOCATION FROM CENTER OF RECEPTOR GRID (DIR,DIST(KM))	180.00	1.40
STACK # 4--JEA KENNEDY UNITS 7,8,9		
SOURCE LOCATION FROM CENTER OF RECEPTOR GRID (DIR,DIST(KM))	223.99	10.01
STACK # 5--JEA SOUTHSIDE UNITS 1,2,3,4,5		
SOURCE LOCATION FROM CENTER OF RECEPTOR GRID (DIR,DIST(KM))	216.80	15.61
STACK # 6--ST. REGIS PAPER ALL SOURCES		
SOURCE LOCATION FROM CENTER OF RECEPTOR GRID (DIR,DIST(KM))	265.76	6.77

STACK	MONTH	EMISSION RATE (GMS/SEC)	HEIGHT (METERS)	DIAMETER (METERS)	EXIT VELOCITY (M/SEC)	TEMP (DEG.K)	VOLUMETRIC FLOW (M**3/SEC)
1	ALL	1138.3000	194.16	10.13	18.29	327.60	1474.08
2	ALL	1256.7000	91.40	5.33	8.50	408.00	189.65
3	ALL	1194.9000	106.70	7.01	17.40	407.00	671.54
4	ALL	308.4000	84.00	4.12	23.20	408.00	309.29
5	ALL	465.8000	84.00	4.27	21.60	422.00	309.31
6	ALL	208.4000	32.30	2.13	16.10	433.00	57.37

PLANT NAME: JACKSONVILLE ELECTRIC AU POLLUTANT: THORITY EMISSION UNITS: GM/SEC AIR QUALITY UNITS: GM/M**3

MAXIMUM MEAN CONC= 1.1735E-05 DIRECTION= 22 DISTANCE= 7.5 KM

ANNUAL MEAN CONCENTRATION AT EACH RECEPTOR

DIR \ RANGE	7.5 KM	11.0 KM	12.0 KM	16.5 KM	17.5 KM
20	7.70741E-06	7.85599E-06	6.67883E-06	6.17508E-06	6.06273E-06
21	9.18787E-06	7.33317E-06	7.43586E-06	5.68226E-06	5.39094E-06
22	1.17345E-05	1.00986E-05	9.77426E-06	8.15139E-06	8.54348E-06
23	1.10362E-05	9.51834E-06	1.00641E-05	8.67114E-06	7.56720E-06
24	1.14913E-05	1.06410E-05	9.30051E-06	9.61685E-06	9.36955E-06

PLANT NAME: JACKSONVILLE ELECTRIC AU POLLUTANT: THORITY EMISSION UNITS: GM/SEC AIR QUALITY UNITS: GM/M**3

YEARLY MAXIMUM 24-HOUR CONC= 9.9377E-05 DIRECTION= 22 DISTANCE= 11.0 KM DAY=360

HIGHEST 24-HOUR CONCENTRATION AT EACH RECEPTOR

DIR / RANGE	7.5 KM	11.0 KM	12.0 KM	16.5 KM	17.5 KM
20	9.3622E-05 (278)	9.4451E-05 (278)	9.5096E-05 (278)	7.5973E-05 (278)	7.4114E-05 (278)
21	9.1727E-05 (279)	9.3692E-05 (279)	9.1063E-05 (279)	7.8471E-05 (279)	7.6139E-05 (279)
22	8.6160E-05 (294)	9.9377E-05 (360)	9.6805E-05 (360)	9.5040E-05 (279)	9.0338E-05 (279)
23	7.2726E-05 (73)	5.9784E-05 (277)	5.3483E-05 (277)	7.1678E-05 (255)	5.3569E-05 (340)
24	8.4688E-05 (110)	6.3956E-05 (155)	6.3792E-05 (155)	7.1991E-05 (110)	6.7501E-05 (141)

PLANT NAME: JACKSONVILLE ELECTRIC AU POLLUTANT: THORITY EMISSION UNITS: GM/SEC AIR QUALITY UNITS: GM/M**3

YEARLY SECOND MAXIMUM 24-HOUR CONC= 9.2150E-05 DIRECTION= 22 DISTANCE= 16.5 KM DAY=360

SECOND HIGHEST 24-HOUR CONCENTRATION AT EACH RECEPTOR

DIR	RANGE 7.5 KM	11.0 KM	12.0 KM	16.5 KM	17.5 KM
20	5.2257E-05 (276)	5.5127E-05 (266)	5.4868E-05 (266)	5.0241E-05 (266)	5.1930E-05 (312)
21	5.9763E-05 (13)	6.2254E-05 (13)	6.3484E-05 (295)	6.3909E-05 (295)	5.8690E-05 (295)
22	8.2233E-05 (72)	7.9139E-05 (279)	8.3918E-05 (279)	9.2150E-05 (360)	8.9486E-05 (360)
23	6.2075E-05 (281)	5.6556E-05 (266)	4.9073E-05 (348)	5.2564E-05 (340)	5.2688E-05 (269)
24	8.2307E-05 (203)	6.2800E-05 (110)	6.0862E-05 (110)	6.3498E-05 (295)	6.4754E-05 (110)

PLANT NAME: JACKSONVILLE ELECTRIC AU POLLUTANT: THORITY EMISSION UNITS: GM/SEC AIR QUALITY UNITS: GM/M**3

YEARLY MAXIMUM 3-HOUR CONC= 3.5960E-04 DIRECTION= 21 DISTANCE= 7.5 KM DAY=237 TIME PERIOD= 4

RANGE DIR	HIGHEST 7.5 KM	3-HOUR CONCENTRATION AT EACH RECEPTOR 11.0 KM	12.0 KM	16.5 KM	17.5 KM
20	3.5908E-04 (331, 4)	2.5076E-04 (331, 4)	2.2743E-04 (331, 4)	1.7435E-04 (276, 2)	1.6664E-04 (276, 2)
21	3.5960E-04 (237, 4)	2.5895E-04 (237, 4)	2.3580E-04 (237, 4)	1.8577E-04 (106, 4)	1.7429E-04 (106, 4)
22	3.5378E-04 (282, 4)	3.1855E-04 (252, 6)	3.1508E-04 (252, 6)	2.6667E-04 (252, 6)	2.5361E-04 (252, 6)
23	3.0552E-04 (304, 4)	2.2186E-04 (348, 4)	2.1558E-04 (348, 4)	2.1561E-04 (348, 4)	2.1637E-04 (348, 4)
24	2.9738E-04 (305, 5)	2.3291E-04 (285, 5)	2.3724E-04 (285, 5)	2.4644E-04 (263, 6)	2.4323E-04 (263, 6)

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PLANT NAME: JACKSONVILLE ELECTRIC AU POLLUTANT: THORITY EMISSION UNITS: GM/SEC AIR QUALITY UNITS: GM/M**3

YEARLY SECOND MAXIMUM 3-HOUR CONC= 3.2166E-04 DIRECTION= 22 DISTANCE= 7.5 KM DAY=109 TIME PERIOD= 4

SECOND HIGHEST 3-HOUR CONCENTRATION AT EACH RECEPTOR

RANGE DIR	7.5 KM	11.0 KM	12.0 KM	16.5 KM	17.5 KM
20	2.5166E-04 (344, 4)	2.1590E-04 (276, 2)	2.0993E-04 (276, 2)	1.7058E-04 (313, 4)	1.6462E-04 (313, 4)
21	3.0868E-04 (294, 6)	2.2155E-04 (294, 6)	1.9730E-04 (295, 7)	1.7372E-04 (258, 2)	1.6853E-04 (295, 7)
22	3.2166E-04 (109, 4)	2.2643E-04 (334, 4)	2.2250E-04 (334, 4)	2.3177E-04 (360, 7)	2.2827E-04 (360, 7)
23	2.4527E-04 (255, 4)	1.9815E-04 (266, 8)	2.0030E-04 (266, 8)	1.8399E-04 (255, 6)	1.8240E-04 (255, 6)
24	2.6502E-04 (254, 6)	1.9112E-04 (100, 5)	2.1188E-04 (263, 6)	2.0185E-04 (285, 5)	1.9078E-04 (285, 5)

ISCST COARSE

GRID ANALYSES

1970

ISCST COARSE GRID ANALYSIS

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

CALCULATE (CONCENTRATION=1,DEPOSITION=2)	ISW(1) = 1
RECEPTOR GRID SYSTEM (RECTANGULAR=1 OR 3, POLAR=2 OR 4)	ISW(2) = 1
DISCRETE RECEPTOR SYSTEM (RECTANGULAR=1,POLAR=2)	ISW(3) = 1
TERRAIN ELEVATIONS ARE READ (YES=1,NO=0)	ISW(4) = 0
CALCULATIONS ARE WRITTEN TO TAPE (YES=1,NO=0)	ISW(5) = 0
LIST ALL INPUT DATA (NO=0,YES=1,MET DATA ALSO=2)	ISW(6) = 1
COMPUTE AVERAGE CONCENTRATION (OR TOTAL DEPOSITION) WITH THE FOLLOWING TIME PERIODS:	
HOURLY (YES=1,NO=0)	ISW(7) = 0
2-HOUR (YES=1,NO=0)	ISW(8) = 0
3-HOUR (YES=1,NO=0)	ISW(9) = 1
4-HOUR (YES=1,NO=0)	ISW(10) = 0
6-HOUR (YES=1,NO=0)	ISW(11) = 0
8-HOUR (YES=1,NO=0)	ISW(12) = 0
12-HOUR (YES=1,NO=0)	ISW(13) = 0
24-HOUR (YES=1,NO=0)	ISW(14) = 1
PRINT 'N'-DAY TABLE(S) (YES=1,NO=0)	ISW(15) = 1
PRINT THE FOLLOWING TYPES OF TABLES WHOSE TIME PERIODS ARE SPECIFIED BY ISW(7) THROUGH ISW(14):	
DAILY TABLES (YES=1,NO=0)	ISW(16) = 0
HIGHEST & SECOND HIGHEST TABLES (YES=1,NO=0)	ISW(17) = 1
MAXIMUM 50 TABLES (YES=1,NO=0)	ISW(18) = 1
METEOROLOGICAL DATA INPUT METHOD (PRE-PROCESSED=1,CARD=2)	ISW(19) = 1
RURAL-URBAN OPTION (RURAL=0,URBAN MODE 1=1,URBAN MODE 2=2)	ISW(20) = 0
WIND PROFILE EXPONENT VALUES (DEFAULTS=1,USER ENTERS=2,3)	ISW(21) = 1
VERTICAL POT. TEMP. GRADIENT VALUES (DEFAULTS=1,USER ENTERS=2,3)	ISW(22) = 1
SCALE EMISSION RATES FOR ALL SOURCES (NO=0,YES>0)	ISW(23) = 0
PROGRAM CALCULATES FINAL PLUME RISE ONLY (YES=1,NO=2)	ISW(24) = 1
PROGRAM ADJUSTS ALL STACK HEIGHTS FOR DOWNWASH (YES=2,NO=1)	ISW(25) = 1
NUMBER OF INPUT SOURCES	NSOURC = 17
NUMBER OF SOURCE GROUPS (=0,ALL SOURCES)	NGROUP = 0
TIME PERIOD INTERVAL TO BE PRINTED (=0,ALL INTERVALS)	IPERD = 0
NUMBER OF X (RANGE) GRID VALUES	NXPNTS = 0
NUMBER OF Y (THETA) GRID VALUES	NYPNTS = 0
NUMBER OF DISCRETE RECEPTORS	NXWYPT = 80
SOURCE EMISSION RATE UNITS CONVERSION FACTOR	TK =.10000E+07
ENTRAINMENT COEFFICIENT FOR UNSTABLE ATMOSPHERE	BETA1 =0.600
ENTRAINMENT COEFFICIENT FOR STABLE ATMOSPHERE	BETA2 =0.600
HEIGHT ABOVE GROUND AT WHICH WIND SPEED WAS MEASURED	ZR = 7.00 METERS
LOGICAL UNIT NUMBER OF METEOROLOGICAL DATA	IMET = 9
DECAY COEFFICIENT FOR PHYSICAL OR CHEMICAL DEPLETION	DECAY =0.000000E+00
SURFACE STATION NO.	ISS = 13889
YEAR OF SURFACE DATA	ISY = 70
UPPER AIR STATION NO.	IUS = 13861
YEAR OF UPPER AIR DATA	IUY = 70
ALLOCATED DATA STORAGE	LIMIT = 43500 WORDS
REQUIRED DATA STORAGE FOR THIS PROBLEM RUN	MIMIT = 5257 WORDS

(c) SF 70

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

*** METEOROLOGICAL DAYS TO BE PROCESSED ***
(IF=1)

0 1 0 0 0 0 0 0 0 0	0 0 0 0 1 1 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 1 0
0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 1 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0
0 1 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 1 0 0	0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 1 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 1 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 1	0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0				

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** WIND PROFILE EXPONENTS ***

STABILITY	WIND SPEED CATEGORY					
CATEGORY	1	2	3	4	5	6
A	.10000E+00	.10000E+00	.10000E+00	.10000E+00	.10000E+00	.10000E+00
B	.15000E+00	.15000E+00	.15000E+00	.15000E+00	.15000E+00	.15000E+00
C	.20000E+00	.20000E+00	.20000E+00	.20000E+00	.20000E+00	.20000E+00
D	.25000E+00	.25000E+00	.25000E+00	.25000E+00	.25000E+00	.25000E+00
E	.30000E+00	.30000E+00	.30000E+00	.30000E+00	.30000E+00	.30000E+00
F	.30000E+00	.30000E+00	.30000E+00	.30000E+00	.30000E+00	.30000E+00

*** VERTICAL POTENTIAL TEMPERATURE GRADIENTS ***
(DEGREES KELVIN PER METER)

STABILITY	WIND SPEED CATEGORY					
CATEGORY	1	2	3	4	5	6
A	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
B	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
C	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
D	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
E	.20000E-01	.20000E-01	.20000E-01	.20000E-01	.20000E-01	.20000E-01
F	.35000E-01	.35000E-01	.35000E-01	.35000E-01	.35000E-01	.35000E-01

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

*** X,Y COORDINATES OF DISCRETE RECEPTORS ***
(METERS)

(440500.0, 361500.0),	(441000.0, 361500.0),	(441500.0, 361500.0),	(440000.0, 361000.0),	(440500.0, 361000.0),
(441000.0, 361000.0),	(441500.0, 361000.0),	(440000.0, 360500.0),	(440500.0, 360500.0),	(441000.0, 360500.0),
(441500.0, 360500.0),	(442000.0, 360500.0),	(440000.0, 360000.0),	(440500.0, 360000.0),	(441000.0, 360000.0),
(441500.0, 360000.0),	(442000.0, 360000.0),	(440500.0, 359500.0),	(441000.0, 359500.0),	(441500.0, 359500.0),
(442000.0, 359500.0),	(441000.0, 359000.0),	(441500.0, 359000.0),	(438500.0, 359000.0),	(439000.0, 359000.0),
(439500.0, 359000.0),	(438000.0, 358500.0),	(438500.0, 358500.0),	(439000.0, 358500.0),	(439500.0, 358500.0),
(440000.0, 358500.0),	(438000.0, 358000.0),	(438500.0, 358000.0),	(439000.0, 358000.0),	(439500.0, 358000.0),
(440000.0, 358000.0),	(438500.0, 357500.0),	(439000.0, 357500.0),	(439500.0, 357500.0),	(440000.0, 357500.0),
(439000.0, 357000.0),	(439500.0, 357000.0),	(438000.0, 355500.0),	(438500.0, 355500.0),	(437500.0, 355000.0),
(438000.0, 355000.0),	(438500.0, 355000.0),	(439000.0, 355000.0),	(437500.0, 354500.0),	(438000.0, 354500.0),
(438500.0, 354500.0),	(439000.0, 354500.0),	(439500.0, 354500.0),	(437500.0, 354000.0),	(438000.0, 354000.0),
(438500.0, 354000.0),	(439000.0, 354000.0),	(439500.0, 354000.0),	(438000.0, 353500.0),	(438500.0, 353500.0),
(439000.0, 353500.0),	(437000.0, 353500.0),	(436500.0, 353000.0),	(437000.0, 353000.0),	(437500.0, 353000.0),
(438000.0, 353000.0),	(436000.0, 352500.0),	(436500.0, 352500.0),	(437000.0, 352500.0),	(437500.0, 352500.0),
(438000.0, 352500.0),	(436000.0, 352000.0),	(436500.0, 352000.0),	(437000.0, 352000.0),	(437500.0, 352000.0),
(438000.0, 352000.0),	(436500.0, 351500.0),	(437000.0, 351500.0),	(437500.0, 351500.0),	(438000.0, 351500.0),
(				

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

*** SOURCE DATA ***

SOURCE NUMBER	TYPE	WAK	NUMBER PART. CATS.	EMISSION RATE TYPE=0,1 (GRAMS/SEC) TYPE=2 (GRAMS/SEC) *PER METER**2	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	HEIGHT (METERS)	TEMP. TYPE=0 (DEG.K); VERT.DIM TYPE=1 (METERS)	EXIT VEL. TYPE=0 (M/SEC); HORZ.DIM TYPE=1,2 (METERS)	DIAMETER TYPE=0 (METERS)	BLDG. HEIGHT TYPE=0 (METERS)	BLDG. LENGTH TYPE=0 (METERS)	BLDG. WIDTH TYPE=0 (METERS)
1	0	0	0	0.11766E+04	446900.0	366300.0	0.0	194.20	327.60	18.29	10.13	0.00	0.00	0.00
2	0	0	0	0.70570E+03	446900.0	364900.0	0.0	76.20	401.00	20.10	5.03	0.00	0.00	0.00
3	0	0	0	0.70570E+03	446900.0	364900.0	0.0	91.40	408.20	8.50	5.33	0.00	0.00	0.00
4	0	0	0	0.12556E+04	446900.0	364900.0	0.0	106.70	438.80	19.20	7.01	0.00	0.00	0.00
5	0	0	0	0.23160E+03	446900.0	364900.0	0.0	10.10	779.80	18.30	6.56	0.00	0.00	0.00
6	0	0	0	0.13180E+03	437670.0	353900.0	0.0	40.70	433.20	11.70	2.44	0.00	0.00	0.00
7	0	0	0	0.90600E+02	437670.0	353900.0	0.0	40.70	406.50	10.30	3.05	0.00	0.00	0.00
8	0	0	0	0.11030E+03	437670.0	353900.0	0.0	43.70	422.10	11.80	3.35	0.00	0.00	0.00
9	0	0	0	0.20970E+03	437670.0	353900.0	0.0	44.20	416.50	13.70	3.05	0.00	0.00	0.00
10	0	0	0	0.16520E+03	440080.0	359150.0	0.0	45.70	414.30	7.80	3.20	0.00	0.00	0.00
11	0	0	0	0.20480E+03	440080.0	359150.0	0.0	41.50	405.40	15.50	2.74	0.00	0.00	0.00
12	0	0	0	0.19120E+03	440080.0	359150.0	0.0	13.70	714.30	8.80	5.84	0.00	0.00	0.00
13	0	0	0	0.13800E+02	440080.0	359150.0	0.0	6.30	766.50	11.80	3.13	0.00	0.00	0.00
14	0	0	0	0.20840E+03	441800.0	365600.0	0.0	32.30	433.00	16.10	2.13	0.00	0.00	0.00
15	0	0	0	0.82200E+02	437900.0	366800.0	0.0	15.90	505.00	8.60	1.37	0.00	0.00	0.00
16	0	0	0	0.54400E+02	439900.0	359300.0	0.0	76.20	477.00	9.20	3.78	0.00	0.00	0.00
17	0	0	0	0.25600E+02	447040.0	366570.0	0.0	85.40	441.00	12.20	2.08	0.00	0.00	0.00

Source NO.	Source Name
1	SJRPP Units 1 & 2
2	Northside Unit 1
3	Northside Unit 2
4	Northside Unit 3
5	Northside CT 3, 4, 5, 6
6	Southside Units 1 & 2
7	Southside Unit 3
8	Southside Unit 4
9	Southside Unit 5
10	Kennedy Units 8 & 9
11	Kennedy Unit 10
12	Kennedy CT 3, 4, 5, 6
13	Kennedy CT 1
14	St. Regis (All major sources)
15	Anheuser Busch (All major sources)
16	Alton Box Board (All major sources)
17	SJRPP Aux. Boiler

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* HIGHEST 3-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE DISCRETE RECEPTOR POINTS *

- X -	- Y -	CON.	(DAY,PER.)	- X -	- Y -	CON.	(DAY,PER.)
440500.0	361500.0	268.19748	(15, 7)	441000.0	361500.0	215.73340	(15, 7)
441500.0	361500.0	171.12498	(2, 5)	440000.0	361000.0	234.77420	(15, 7)
440500.0	361000.0	166.96355	(290, 2)	441000.0	361000.0	166.34209	(290, 2)
441500.0	361000.0	180.50815	(273, 1)	440000.0	360500.0	174.93445	(290, 2)
440500.0	360500.0	149.12485	(290, 2)	441000.0	360500.0	128.18619	(195, 2)
441500.0	360500.0	183.32544	(273, 1)	442000.0	360500.0	180.17026	(290, 1)
440000.0	360000.0	156.78638	(102, 8)	440500.0	360000.0	123.45834	(16, 3)
441000.0	360000.0	167.55095	(290, 1)	441500.0	360000.0	182.06413	(290, 1)
442000.0	360000.0	190.03809	(67, 7)	440500.0	359500.0	178.88316	(290, 1)
441000.0	359500.0	180.59354	(290, 1)	441500.0	359500.0	194.71780	(67, 7)
442000.0	359500.0	265.38065	(67, 7)	441000.0	359000.0	196.62695	(67, 7)
441500.0	359000.0	268.45880	(67, 7)	438500.0	359000.0	253.71271	(2, 5)
439000.0	359000.0	294.53470	(49, 1)	439500.0	359000.0	143.29903	(16, 3)
438000.0	358500.0	305.83261	(273, 4)	438500.0	358500.0	267.26874	(138, 4)
439000.0	358500.0	316.53522	(49, 1)	439500.0	358500.0	205.71478	(273, 5)
440000.0	358500.0	172.05779	(290, 1)	438000.0	358000.0	334.03973	(15, 7)
438500.0	35rB						
	r2B&:BJb						
	J"Jr*Brr"						
	*B"Jb						
	J						
				439500.0	358000.0	383.77634 (2, 4)	440000.0
358000.0	194.81786	(67, 7)					
438500.0	357500.0	323.54776	(67, 7)	439000.0	357500.0	308.86411	(49, 1)
439500.0	357500.0	452.01328	(2, 4)	440000.0	357500.0	259.68835	(67, 7)
439000.0	357000.0	371.53619	(2, 4)	439500.0	357000.0	253.06198	(67, 7)
438000.0	355500.0	232.67178	(67, 7)	438500.0	355500.0	320.69128	(2, 4)
437500.0	355000.0	231.31851	(67, 7)	438000.0	355000.0	252.87445	(67, 7)
438500.0	355000.0	278.36264	(2, 4)	439000.0	355000.0	193.13634	(273, 6)
437500.0	354500.0	247.40927	(67, 7)	438000.0	354500.0	260.46555	(2, 4)
438500.0	354500.0	211.82361	(2, 4)	439000.0	354500.0	175.89792	(67, 8)
439500.0	354500.0	255.16801	(49, 1)	437500.0	354000.0	237.73642	(67, 7)
438000.0	354000.0	245.16470	(2, 4)	438500.0	354000.0	212.44119	(273, 7)
439000.0	354000.0	174.76855	(67, 8)	439500.0	354000.0	254.50458	(49, 1)
438000.0	353500.0	208.55717	(2, 4)	438500.0	353500.0	194.42346	(273, 7)
439000.0	353500.0	151.97971	(67, 8)	437000.0	353500.0	236.12338	(67, 7)
436500.0	353000.0	259.27301	(16, 5)	437000.0	353000.0	292.27350	(273, 5)
437500.0	353000.0	267.65482	(2, 4)	438000.0	353000.0	246.14995	(273, 7)
436000.0	352500.0	310.85052	(16, 3)	436500.0	352500.0	530.68298	(67, 7)
437000.0	352500.0	731.89252	(2, 4)	437500.0	352500.0	230.87323	(67, 8)
438000.0	352500.0	248.93167	(273, 7)	436000.0	352000.0	628.20935	(67, 7)
436500.0	352000.0	380.42194	(16, 5)	437000.0	352000.0	719.74847	(2, 4)
437500.0	352000.0	288.18594	(67, 8)	438000.0	352000.0	221.28563	(273, 7)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* HIGHEST 3-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE DISCRETE RECEPTOR POINTS *

- X -	- Y -	CON.	(DAY,PER.)	- X -	- Y -	CON.	(DAY,PER.)
436500.0	351500.0	551.84729	(2, 4)	437000.0	351500.0	439.25952	(2, 4)
437500.0	351500.0	294.17511	(67, 8)	438000.0	351500.0	183.25952	(273, 7)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* SECOND HIGHEST 3-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE DISCRETE RECEPTOR POINTS *

- X -	- Y -	CON.	(DAY,PER.)	- X -	- Y -	CON.	(DAY,PER.)
440500.0	361500.0	208.64354	(138, 7)	441000.0	361500.0	182.52917	(138, 7)
441500.0	361500.0	170.09464	(273, 1)	440000.0	361000.0	210.86333	(138, 7)
440500.0	361000.0	157.77368	(2, 5)	441000.0	361000.0	148.65555	(2, 5)
441500.0	361000.0	136.92455	(195, 2)	440000.0	360500.0	141.47247	(2, 5)
440500.0	360500.0	128.14171	(2, 5)	441000.0	360500.0	106.66443	(16, 3)
441500.0	360500.0	150.64890	(290, 1)	442000.0	360500.0	160.92734	(273, 5)
440000.0	360000.0	141.88919	(195, 2)	440500.0	360000.0	109.15761	(290, 1)
441000.0	360000.0	145.08698	(16, 3)	441500.0	360000.0	181.18253	(273, 1)
442000.0	360000.0	162.85199	(273, 5)	440500.0	359500.0	151.65042	(15, 2)
441000.0	359500.0	141.78128	(15, 2)	441500.0	359500.0	176.00189	(273, 1)
442000.0	359500.0	208.62358	(195, 3)	441000.0	359000.0	153.95383	(290, 5)
441500.0	359000.0	194.59476	(273, 6)	438500.0	359000.0	149.67667	(138, 2)
439000.0	359000.0	158.30235	(2, 5)	439500.0	359000.0	139.97444	(290, 1)
438000.0	358500.0	263.16968	(138, 4)	438500.0	358500.0	228.98102	(273, 4)
439000.0	358500.0	238.88889	(2, 5)	439500.0	358500.0	194.59654	(290, 1)
440000.0	358500.0	150.02702	(15, 2)	438000.0	358000.0	276.52563	(16, 4)
438500.0	358000.0	254.95602	(16, 3)	439000.0	358000.0	292.84903	(273, 5)
439500.0	358000.0	235.85490	(273, 5)	440000.0	358000.0	150.48050	(290, 5)
438500.0	357500.0	310.00519	(290, 5)	439000.0	357500.0	279.10522	(273, 5)
439500.0	357500.0	191.75949	(67, 7)	440000.0	357500.0	193.42136	(273, 6)
439000.0	357000.0	287.48672	(49, 1)	439500.0	357000.0	216.12827	(2, 4)
438000.0	355500.0	205.58073	(16, 5)	438500.0	355500.0	258.16760	(67, 7)
437500.0	355000.0	197.54784	(273, 6)	438000.0	355000.0	236.10405	(2, 4)
438500.0	355000.0	237.12012	(67, 7)	439000.0	355000.0	176.44046	(49, 1)
437500.0	354500.0	199.43640	(273, 6)	438000.0	354500.0	238.24271	(67, 7)
438500.0	354500.0	196.82809	(273, 6)	439000.0	354500.0	175.63025	(16, 1)
439500.0	354500.0	231.46600	(67, 8)	437500.0	354000.0	205.89085	(273, 6)
438000.0	354000.0	198.47881	(273, 6)	438500.0	354000.0	171.07486	(16, 1)
439000.0	354000.0	170.35493	(16, 1)	439500.0	354000.0	202.65173	(67, 8)
438000.0	353500.0	199.36227	(273, 7)	438500.0	353500.0	174.29655	(16, 1)
439000.0	353500.0	142.01321	(16, 1)	437000.0	353500.0	202.77098	(273, 6)
436500.0	353000.0	243.28366	(67, 7)	437000.0	353000.0	276.31412	(67, 7)
437500.0	353000.0	214.68930	(195, 1)	438000.0	353000.0	174.91368	(16, 1)
436000.0	352500.0	299.33978	(290, 1)	436500.0	352500.0	475.77573	(273, 6)
437000.0	352500.0	293.51984	(273, 4)	437500.0	352500.0	215.22525	(2, 4)
438000.0	352500.0	191.22447	(195, 4)	436000.0	352000.0	547.98535	(273, 6)
436500.0	352000.0	305.34088	(2, 4)	437000.0	352000.0	279.68207	(195, 1)
437500.0	352000.0	236.90721	(273, 7)	438000.0	352000.0	191.47955	(195, 4)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* SECOND HIGHEST 3-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE DISCRETE RECEPTOR POINTS *

- X -	- Y -	CON.	(DAY,PER.)	- X -	- Y -	CON.	(DAY,PER.)
436500.0	351500.0	326.07184	(195, 1)	437000.0	351500.0	204.76506	(273, 7)
437500.0	351500.0	258.34616	(273, 7)	438000.0	351500.0	177.28241	(273, 3)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* 50 MAXIMUM 3-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *

* FROM ALL SOURCES *

RANK	CON.	PER.	DAY	X OR RANGE (METERS)	Y(METERS) OR DIRECTION (DEGREES)	RANK	CON.	PER.	DAY	X OR RANGE (METERS)	Y(METERS) OR DIRECTION (DEGREES)
1	731.89252	4	2	437000.0	352500.0	26	297.68146	3	16	438500.0	357500.0
2	719.74847	4	2	437000.0	352000.0	27	294.53470	1	49	439000.0	359000.0
3	628.20935	7	67	436000.0	352000.0	28	294.17511	8	67	437500.0	351500.0
4	551.84729	4	2	436500.0	351500.0	29	293.51984	4	273	437000.0	352500.0
5	547.98535	6	273	436000.0	352000.0	30	292.84903	5	273	439000.0	358000.0
6	530.68298	7	67	436500.0	352500.0	31	292.27350	5	273	437000.0	353000.0
7	475.77573	6	273	436500.0	352500.0	32	288.18594	8	67	437500.0	352000.0
8	452.01328	4	2	439500.0	357500.0	33	287.48672	1	49	439000.0	357000.0
9	439.25952	4	2	437000.0	351500.0	34	285.96210	1	290	438500.0	357500.0
10	383.77634	4	2	439500.0	358000.0	35	282.90051	5	15	436500.0	352500.0
11	380.42194	5	16	436500.0	352000.0	36	282.60236	5	290	436000.0	352000.0
12	371.53619	4	2	439000.0	357000.0	37	281.68207	1	290	438500.0	358000.0
13	334.03973	7	15	438000.0	358000.0	38	279.90134	7	67	436000.0	352500.0
14	326.07184	1	195	436500.0	351500.0	39	279.68207	1	195	437000.0	352000.0
15	323.54776	7	67	438500.0	357500.0	40	279.10522	5	273	439000.0	357500.0
16	320.69128	4	2	438500.0	355500.0	41	278.36264	4	2	438500.0	355000.0
17	320.14105	1	49	439000.0	358000.0	42	276.52563	4	16	438000.0	358000.0
18	316.53522	1	49	439000.0	358500.0	43	276.31412	7	67	437000.0	353000.0
19	310.85052	3	16	436000.0	352500.0	44	274.66214	5	273	436500.0	352500.0
20	310.00519	5	290	438500.0	357500.0	45	273.17886	5	290	439000.0	358000.0
21	308.86411	1	49	439000.0	357500.0	46	271.66403	2	15	438500.0	357500.0
22	305.83261	4	273	438000.0	358500.0	47	269.36780	5	15	436000.0	352000.0
23	305.34088	4	2	436500.0	352000.0	48	268.45880	7	67	441500.0	359000.0
24	302.44775	6	67	436500.0	352000.0	49	268.19748	7	15	440500.0	361500.0
25	299.33978	1	290	436000.0	352500.0	50	268.17947	5	15	436500.0	351500.0

*** ISC RUN FOR JAX ELEC. AUTH.(SHORT STACKS (GLC, OCT 2, 1981) ***

* HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE DISCRETE RECEPTOR POINTS *

- X -	- Y -	CON.	(DAY,PER.)	- X -	- Y -	CON.	(DAY,PER.)
440500.0	361500.0	95.24966	(15, 1)	441000.0	361500.0	86.37755	(290, 1)
441500.0	361500.0	78.78962	(290, 1)	440000.0	361000.0	92.09961	(15, 1)
440500.0	361000.0	88.65032	(290, 1)	441000.0	361000.0	73.07622	(290, 1)
441500.0	361000.0	60.07512	(273, 1)	440000.0	360500.0	79.96538	(290, 1)
440500.0	360500.0	63.69267	(290, 1)	441000.0	360500.0	51.56373	(16, 1)
441500.0	360500.0	66.62725	(273, 1)	442000.0	360500.0	71.34319	(16, 1)
440000.0	360000.0	54.98575	(290, 1)	440500.0	360000.0	57.41286	(16, 1)
441000.0	360000.0	70.21822	(16, 1)	441500.0	360000.0	74.53501	(273, 1)
442000.0	360000.0	65.52447	(273, 1)	440500.0	359500.0	73.62288	(16, 1)
441000.0	359500.0	75.91058	(16, 1)	441500.0	359500.0	81.29933	(273, 1)
442000.0	359500.0	69.85354	(273, 1)	441000.0	359000.0	68.06529	(273, 1)
441500.0	359000.0	84.94022	(273, 1)	438500.0	359000.0	73.62252	(290, 1)
439000.0	359000.0	59.11644	(290, 1)	439500.0	359000.0	65.97252	(16, 1)
438000.0	358500.0	97.55245	(138, 1)	438500.0	358500.0	115.71334	(138, 1)
439000.0	358500.0	104.92279	(290, 1)	439500.0	358500.0	81.34571	(16, 1)
440000.0	358500.0	76.56594	(16, 1)	438000.0	358000.0	153.75150	(290, 1)
438500.0	358000.0	129.17532	(16, 1)	439000.0	358000.0	124.17617	(16, 1)
439500.0	358000.0	88.58060	(16, 1)	440000.0	358000.0	65.32341	(16, 1)
438500.0	357500.0	151.35526	(16, 1)	439000.0	357500.0	113.70177	(16, 1)
439500.0	357500.0	69.16222	(2, 1)	440000.0	357500.0	59.64932	(67, 1)
439000.0	357000.0	82.34985	(16, 1)	439500.0	357000.0	51.70981	(16, 1)
438000.0	355500.0	80.10554	(16, 1)	438500.0	355500.0	63.65120	(273, 1)
437500.0	355000.0	90.81697	(67, 1)	438000.0	355000.0	65.68878	(273, 1)
438500.0	355000.0	63.92360	(273, 1)	439000.0	355000.0	52.41511	(273, 1)
437500.0	354500.0	76.77312	(67, 1)	438000.0	354500.0	63.86595	(273, 1)
438500.0	354500.0	65.96705	(273, 1)	439000.0	354500.0	47.93360	(273, 1)
439500.0	354500.0	71.79524	(273, 1)	437500.0	354000.0	65.71577	(273, 1)
438000.0	354000.0	64.32759	(273, 1)	438500.0	354000.0	62.61216	(273, 1)
439000.0	354000.0	44.15095	(273, 1)	439500.0	354000.0	77.95039	(273, 1)
438000.0	353500.0	66.15065	(273, 1)	438500.0	353500.0	54.55061	(273, 1)
439000.0	353500.0	41.87154	(273, 1)	437000.0	353500.0	73.71301	(67, 1)
436500.0	353000.0	119.34962	(16, 1)	437000.0	353000.0	106.48213	(273, 1)
437500.0	353000.0	65.35016	(273, 1)	438000.0	353000.0	65.38682	(273, 1)
436000.0	352500.0	175.16132	(16, 1)	436500.0	352500.0	138.25079	(67, 1)
437000.0	352500.0	113.56053	(2, 1)	437500.0	352500.0	71.29165	(273, 1)
438000.0	352500.0	60.67180	(273, 1)	436000.0	352000.0	158.93216	(67, 1)
436500.0	352000.0	104.38873	(67, 1)	437000.0	352000.0	110.88467	(2, 1)
437500.0	352000.0	84.56429	(273, 1)	438000.0	352000.0	59.45518	(273, 1)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE DISCRETE RECEPTOR POINTS *

- X -	- Y -	CON.	(DAY,PER.)	- X -	- Y -	CON.	(DAY,PER.)
436500.0	351500.0	96.20515	(2, 1)	437000.0	351500.0	70.07867	(2, 1)
437500.0	351500.0	98.71010	(273, 1)	438000.0	351500.0	65.07350	(273, 1)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* SECOND HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE DISCRETE RECEPTOR POINTS *

- X -	- Y -	CON.	(DAY,PER.)	- X -	- Y -	CON.	(DAY,PER.)
440500.0	361500.0	79.45328	(290, 1)	441000.0	361500.0	79.63403	(15, 1)
441500.0	361500.0	58.77488	(273, 1)	440000.0	361000.0	86.30772	(290, 1)
440500.0	361000.0	62.10139	(15, 1)	441000.0	361000.0	40.74035	(16, 1)
441500.0	361000.0	51.50440	(2Y0, 1)	440000.0	360500.0	47.59656	(15, 1)
440500.0	360500.0	42.93909	(16, 1)	441000.0	360500.0	49.77696	(290, 1)
441500.0	360500.0	65.27515	(16, 1)	442000.0	360500.0	57.79721	(273, 1)
440000.0	360000.0	46.47394	(16, 1)	440500.0	360000.0	46.29574	(290, 1)
441000.0	360000.0	50.38856	(290, 1)	441500.0	360000.0	74.27524	(16, 1)
442000.0	360000.0	61.58038	(16, 1)	440500.0	359500.0	50.16137	(290, 1)
441000.0	359500.0	51.20785	(290, 1)	441500.0	359500.0	63.61624	(16, 1)
442000.0	359500.0	50.83827	(67, 1)	441000.0	359000.0	64.79060	(16, 1)
441500.0	359000.0	55.62982	(67, 1)	438500.0	359000.0	51.03310	(16, 1)
439000.0	359000.0	55.03754	(16, 1)	439500.0	359000.0	46.47096	(290, 1)
438000.0	358500.0	93.10440	(290, 1)	438500.0	358500.0	98.00819	(290, 1)
439000.0	358500.0	95.09619	(16, 1)	439500.0	358500.0	57.42604	(290, 1)
440000.0	358500.0	49.18505	(290, 1)	438000.0	358000.0	145.74933	(15, 1)
438500.0	358000.0	115.63326	(290, 1)	439000.0	358000.0	82.67421	(290, 1)
439500.0	358000.0	72.39320	(273, 1)	440000.0	358000.0	45.27695	(67, 1)
438500.0	357500.0	93.66191	(290, 1)	439000.0	357500.0	77.99995	(273, 1)
439500.0	357500.0	65.13589	(16, 1)	440000.0	357500.0	51.48223	(16, 1)
439000.0	357000.0	72.29383	(273, 1)	439500.0	357000.0	49.13494	(67, 1)
438000.0	355500.0	78.15050	(67, 1)	438500.0	355500.0	62.36514	(2, 1)
437500.0	355000.0	82.78380	(16, 1)	438000.0	355000.0	64.87389	(67, 1)
438500.0	355000.0	52.63382	(67, 1)	439000.0	355000.0	49.29982	(67, 1)
437500.0	354500.0	68.82216	(273, 1)	438000.0	354500.0	56.77400	(67, 1)
438500.0	354500.0	49.73927	(67, 1)	439000.0	354500.0	44.02597	(67, 1)
439500.0	354500.0	43.39512	(67, 1)	437500.0	354000.0	64.52678	(67, 1)
438000.0	354000.0	51.48325	(67, 1)	438500.0	354000.0	45.00684	(67, 1)
439000.0	354000.0	37.81292	(67, 1)	439500.0	354000.0	38.12508	(67, 1)
438000.0	353500.0	46.50814	(67, 1)	438500.0	353500.0	38.95423	(67, 1)
439000.0	353500.0	32.31541	(67, 1)	437000.0	353500.0	68.13153	(273, 1)
436500.0	353000.0	98.32779	(67, 1)	437000.0	353000.0	87.00106	(67, 1)
437500.0	353000.0	52.05655	(2, 1)	438000.0	353000.0	40.81047	(67, 1)
436000.0	352500.0	118.00008	(67, 1)	436500.0	352500.0	121.35146	(273, 1)
437000.0	352500.0	110.69089	(273, 1)	437500.0	352500.0	50.44854	(67, 1)
438000.0	352500.0	34.97305	(67, 1)	436000.0	352000.0	126.73849	(16, 1)
436500.0	352000.0	103.88966	(273, 1)	437000.0	352000.0	78.55335	(273, 1)
437500.0	352000.0	52.28620	(67, 1)	438000.0	352000.0	30.01611	(67, 1)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* SECOND HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE DISCRETE RECEPTOR POINTS *

- X -	- Y -	CON.	(DAY,PER.)	- X -	- Y -	CON.	(DAY,PER.)
436500.0	351500.0	86.74744	(273, 1)	437000.0	351500.0	66.70023	(273, 1)
437500.0	351500.0	50.57537	(67, 1)	438000.0	351500.0	26.27819	(16, 1)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* 50 MAXIMUM 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *

* FROM ALL SOURCES *

RANK	CON.	PER.	DAY	X OR RANGE (METERS)	Y(METERS) OR DIRECTION (DEGREES)	RANK	CON.	PER.	DAY	X OR RANGE (METERS)	Y(METERS) OR DIRECTION (DEGREES)
1	175.16132	1	16	436000.0	352500.0	26	100.10683	1	16	436500.0	352500.0
2	158.93216	1	67	436000.0	352000.0	27	98.71010	1	273	437500.0	351500.0
3	153.75150	1	290	438000.0	358000.0	28	98.32779	1	67	436500.0	353000.0
4	151.35526	1	16	438500.0	357500.0	29	98.00819	1	290	438500.0	358500.0
5	145.74933	1	15	438000.0	358000.0	30	97.55245	1	138	438000.0	358500.0
6	138.25079	1	67	436500.0	352500.0	31	96.20515	1	2	436500.0	351500.0
7	129.17532	1	16	438500.0	358000.0	32	95.24966	1	15	440500.0	361500.0
8	126.73849	1	16	436000.0	352000.0	33	95.09619	1	16	439000.0	358500.0
9	125.82399	1	16	438000.0	358000.0	34	93.66191	1	290	438500.0	357500.0
10	124.17617	1	16	4390P0.0	358000.0	35	93.10440	1	290	438000.0	358500.0
11	121.35146	1	273	436500.0	352500.0	36	92.76855	1	290	436000.0	352500.0
12	119.34962	1	16	436500.0	353000.0	37	92.09961	1	15	440000.0	361000.0
13	118.53210	1	273	436000.0	352000.0	38	90.98262	1	16	436500.0	352000.0
14	118.00008	1	67	436000.0	352500.0	39	90.81697	1	67	437500.0	355000.0
15	115.71334	1	138	438500.0	358500.0	40	88.65032	1	290	440500.0	361000.0
16	115.63326	1	290	438500.0	358000.0	41	88.58060	1	16	439500.0	358000.0
17	113.70177	1	16	439000.0	357500.0	42	87.54312	1	16	438500.0	358500.0
18	113.56053	1	2	437000.0	352500.0	43	87.00106	1	67	437000.0	353000.0
19	110.88467	1	2	437000.0	352000.0	44	86.74744	1	273	436500.0	351500.0
20	110.69089	1	273	437000.0	352500.0	45	86.37755	1	290	441000.0	361500.0
21	106.48213	1	273	437000.0	353000.0	46	86.30772	1	290	440000.0	361000.0
22	106.22353	1	138	438000.0	358000.0	47	84.94022	1	273	441500.0	359000.0
23	104.92279	1	290	439000.0	358500.0	48	84.56429	1	273	437500.0	352000.0
24	104.38873	1	67	436500.0	352000.0	49	82.87421	1	290	439000.0	358000.0
25	103.88966	1	273	436500.0	352000.0	50	82.78380	1	16	437500.0	355000.0

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1971

ISCST COARSE GRID ANALYSIS

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

CALCULATE (CONCENTRATION=1,DEPOSITION=2)	ISW(1) = 1
RECEPTOR GRID SYSTEM (RECTANGULAR=1 OR 3, POLAR=2 OR 4)	ISW(2) = 1
DISCRETE RECEPTOR SYSTEM (RECTANGULAR=1,POLAR=2)	ISW(3) = 1
TERRAIN ELEVATIONS ARE READ (YES=1,NO=0)	ISW(4) = 0
CALCULATIONS ARE WRITTEN TO TAPE (YES=1,NO=0)	ISW(5) = 0
LIST ALL INPUT DATA (NO=0,YES=1,MET DATA ALSO=2)	ISW(6) = 1
COMPUTE AVERAGE CONCENTRATION (OR TOTAL DEPOSITION) WITH THE FOLLOWING TIME PERIODS:	
HOURLY (YES=1,NO=0)	ISW(7) = 0
2-HOUR (YES=1,NO=0)	ISW(8) = 0
3-HOUR (YES=1,NO=0)	ISW(9) = 1
4-HOUR (YES=1,NO=0)	ISW(10) = 0
6-HOUR (YES=1,NO=0)	ISW(11) = 0
8-HOUR (YES=1,NO=0)	ISW(12) = 0
12-HOUR (YES=1,NO=0)	ISW(13) = 0
24-HOUR (YES=1,NO=0)	ISW(14) = 1
PRINT 'N'-DAY TABLE(S) (YES=1,NO=0)	ISW(15) = 1
PRINT THE FOLLOWING TYPES OF TABLES WHOSE TIME PERIODS ARE SPECIFIED BY ISW(7) THROUGH ISW(14):	
DAILY TABLES (YES=1,NO=0)	ISW(16) = 0
HIGHEST & SECOND HIGHEST TABLES (YES=1,NO=0)	ISW(17) = 1
MAXIMUM 50 TABLES (YES=1,NO=0)	ISW(18) = 1
METEOROLOGICAL DATA INPUT METHOD (PRE-PROCESSED=1,CARD=2)	ISW(19) = 1
RURAL-URBAN OPTION (RURAL=0,URBAN MODE 1=1,URBAN MODE 2=2)	ISW(20) = 0
WIND PROFILE EXPONENT VALUES (DEFAULTS=1,USER ENTERS=2,3)	ISW(21) = 1
VERTICAL POT. TEMP. GRADIENT VALUES (DEFAULTS=1,USER ENTERS=2,3)	ISW(22) = 1
SCALE EMISSION RATES FOR ALL SOURCES (NO=0,YES>0)	ISW(23) = 0
PROGRAM CALCULATES FINAL PLUME RISE ONLY (YES=1,NO=2)	ISW(24) = 1
PROGRAM ADJUSTS ALL STACK HEIGHTS FOR DOWNWASH (YES=2,NO=1)	ISW(25) = 1
NUMBER OF INPUT SOURCES	NSOURC = 17
NUMBER OF SOURCE GROUPS (=0,ALL SOURCES)	NGROUP = 0
TIME PERIOD INTERVAL TO BE PRINTED (=0,ALL INTERVALS)	IPERD = 0
NUMBER OF X (RANGE) GRID VALUES	NXPNTS = 0
NUMBER OF Y (THETA) GRID VALUES	NYPNTS = 0
NUMBER OF DISCRETE RECEPTORS	NXWYPT = 95
SOURCE EMISSION RATE UNITS CONVERSION FACTOR	TK =.10000E+07
ENTRAINMENT COEFFICIENT FOR UNSTABLE ATMOSPHERE	BETA1 =0.600
ENTRAINMENT COEFFICIENT FOR STABLE ATMOSPHERE	BETA2 =0.600
HEIGHT ABOVE GROUND AT WHICH WIND SPEED WAS MEASURED	ZR = 7.00 METERS
LOGICAL UNIT NUMBER OF METEOROLOGICAL DATA	IMET = 9
DECAY COEFFICIENT FOR PHYSICAL OR CHEMICAL DEPLETION	DECAY =0.000000E+00
SURFACE STATION NO.	ISS = 13889
YEAR OF SURFACE DATA	ISY = 71
UPPER AIR STATION NO.	IUS = 13861
YEAR OF UPPER AIR DATA	IUY = 71
ALLOCATED DATA STORAGE	LIMIT = 43500 WORDS
REQUIRED DATA STORAGE FOR THIS PROBLEM RUN	MIMIT = 5482 WORDS

JOT 71

Clouds

COAST

1971

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

*** METEOROLOGICAL DAYS TO BE PROCESSED ***
(IF=1)

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1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 0
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*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54,   3.09,   5.14,   8.23,   10.80,

*** WIND PROFILE EXPONENTS ***

STABILITY CATEGORY	WIND SPEED CATEGORY 1	2	3	4	5	6
A	.10000E+00	.10000E+00	.10000E+00	.10000E+00	.10000E+00	.10000E+00
B	.15000E+00	.15000E+00	.15000E+00	.15000E+00	.15000E+00	.15000E+00
C	.20000E+00	.20000E+00	.20000E+00	.20000E+00	.20000E+00	.20000E+00
D	.25000E+00	.25000E+00	.25000E+00	.25000E+00	.25000E+00	.25000E+00
E	.30000E+00	.30000E+00	.30000E+00	.30000E+00	.30000E+00	.30000E+00
F	.30000E+00	.30000E+00	.30000E+00	.30000E+00	.30000E+00	.30000E+00

*** VERTICAL POTENTIAL TEMPERATURE GRADIENTS ***
(DEGREES KELVIN PER METER)

STABILITY CATEGORY	WIND SPEED CATEGORY 1	2	3	4	5	6
A	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
B	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
C	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
D	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
E	.20000E-01	.20000E-01	.20000E-01	.20000E-01	.20000E-01	.20000E-01
F	.35000E-01	.35000E-01	.35000E-01	.35000E-01	.35000E-01	.35000E-01

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

*** X,Y COORDINATES OF DISCRETE RECEPTORS ***
(METERS)

(440500.0, 361500.0),	(441000.0, 361500.0),	(441500.0, 361500.0),	(440000.0, 361000.0),	(440500.0, 361000.0),
(441000.0, 361000.0),	(441500.0, 361000.0),	(440000.0, 360500.0),	(440500.0, 360500.0),	(441000.0, 360500.0),
(441500.0, 360500.0),	(442000.0, 360500.0),	(440000.0, 360000.0),	(440500.0, 360000.0),	(441000.0, 360000.0),
(441500.0, 360000.0),	(442000.0, 360000.0),	(440500.0, 359500.0),	(441000.0, 359500.0),	(441500.0, 359500.0),
(442000.0, 359500.0),	(441000.0, 359000.0),	(441500.0, 359000.0),	(438500.0, 359000.0),	(439000.0, 359000.0),
(439500.0, 359000.0),	(438000.0, 358500.0),	(438500.0, 358500.0),	(439000.0, 358500.0),	(439500.0, 358500.0),
(440000.0, 358500.0),	(438000.0, 358000.0),	(438500.0, 358000.0),	(439000.0, 358000.0),	(439500.0, 358000.0),
(440000.0, 358000.0),	(438500.0, 357500.0),	(439000.0, 357500.0),	(439500.0, 357500.0),	(440000.0, 357500.0),
(439000.0, 357000.0),	(439500.0, 357000.0),	(438000.0, 355500.0),	(438500.0, 355500.0),	(437500.0, 355000.0),
(438000.0, 355000.0),	(438500.0, 355000.0),	(439000.0, 355000.0),	(437500.0, 354500.0),	(438000.0, 354500.0),
(438500.0, 354500.0),	(439000.0, 354500.0),	(439500.0, 354500.0),	(437500.0, 354000.0),	(438000.0, 354000.0),
(438500.0, 354000.0),	(439000.0, 354000.0),	(439500.0, 354000.0),	(438000.0, 353500.0),	(438500.0, 353500.0),
(439000.0, 353500.0),	(437000.0, 353500.0),	(436500.0, 353000.0),	(437000.0, 353000.0),	(437500.0, 353000.0),
(438000.0, 353000.0),	(436000.0, 352500.0),	(436500.0, 352500.0),	(437000.0, 352500.0),	(437500.0, 352500.0),
(438000.0, 352500.0),	(436000.0, 352000.0),	(436500.0, 352000.0),	(437000.0, 352000.0),	(437500.0, 352000.0),
(438000.0, 352000.0),	(436500.0, 351500.0),	(437000.0, 351500.0),	(437500.0, 351500.0),	(438000.0, 351500.0),
(437500.0, 358500.0),	(437500.0, 358000.0),	(437500.0, 357500.0),	(437500.0, 357000.0),	(438000.0, 357500.0),
(438000.0, 357000.0),	(438500.0, 357000.0),	(435500.0, 353000.0),	(435500.0, 352500.0),	(435500.0, 352000.0),
(435500.0, 351500.0),	(435500.0, 351000.0),	(436000.0, 351500.0),	(436000.0, 351000.0),	(436500.0, 351000.0),
(				

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

*** SOURCE DATA ***

SOURCE NUMBER	TYPE	WAKE	NUMBER PART. CATS.	EMISSION RATE TYPE=0,1 (GRAMS/SEC) TYPE=2 (GRAMS/SEC) *PER METER**2	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	HEIGHT (METERS)	TEMP. TYPE=0 (DEG.K); VERT.DIM TYPE=1 (METERS)	EXIT VEL. TYPE=0 (M/SEC); HORZ.DIM TYPE=1,2 (METERS)	DIAMETER TYPE=0 (METERS)	BLDG. HEIGHT TYPE=0 (METERS)	BLDG. LENGTH TYPE=0 (METERS)	BLDG. WIDTH TYPE=0 (METERS)
1	0	0	0	0.11766E+04	446900.0	366300.0	0.0	194.20	327.60	18.29	10.13	0.00	0.00	0.00
2	0	0	0	0.70570E+03	446900.0	364900.0	0.0	76.20	401.00	20.10	5.03	0.00	0.00	0.00
3	0	0	0	0.70570E+03	446900.0	364900.0	0.0	91.40	408.20	8.50	5.33	0.00	0.00	0.00
4	0	0	0	0.12556E+04	446900.0	364900.0	0.0	106.70	438.80	19.20	7.01	0.00	0.00	0.00
5	0	0	0	0.23160E+03	446900.0	364900,0	0.0	10.10	779.80	18.30	6.56	0.00	0.00	0.00
6	0	0	0	0.13180E+03	437670.0	353900.0	0.0	40.70	433.20	11.70	2.44	0.00	0.00	0.00
7	0	0	0	0.90600E+02	437670.0	353900.0	0.0	40.70	406.50	10.30	3.05	0.00	0.00	0.00
8	0	0	0	0.11030E+03	437670.0	353900.0	0.0	43.70	422.10	11.80	3.35	0.00	0.00	0.00
9	0	0	0	0.20970E+03	437670.0	353900.0	0.0	44.20	416.50	13.70	3.05	0.00	0.00	0.00
10	0	0	0	0.16520E+03	440080.0	359150.0	0.0	45.70	414.30	7.80	3.20	0.00	0.00	0.00
11	0	0	0	0.20480E+03	440080.0	359150.0	0.0	41.50	405.40	15.50	2.74	0.00	0.00	0.00
12	0	0	0	0.19120E+03	440080.0	359150.0	0.0	13.70	714.30	8.80	5.84	0.00	0.00	0.00
13	0	0	0	0.13800E+02	440080.0	359150.0	0.0	6.30	766.50	11.80	3.13	0.00	0.00	0.00
14	0	0	0	0.20840E+03	441800.0	365600.0	0.0	32.30	433.00	16.10	2.13	0.00	0.00	0.00
15	0	0	0	0.82200E+02	437900.0	366800.0	0.0	15.90	505.00	8.60	1.37	0.00	0.00	0.00
16	0	0	0	0.54400E+02	439900.0	359300.0	0.0	76.20	477.00	9.20	3.78	0.00	0.00	0.00
17	0	0	0	0.25600E+02	447040.0	366570.0	0.0	85.40	441.00	12.20	2.08	0.00	0.00	0.00

Source NO.	Source Name
1	SJRPP Units 1 & 2
2	Northside Unit 1
3	Northside Unit 2
4	Northside Unit 3
5	Northside CT 3, 4, 5, 6
6	Southside Units 1 & 2
7	Southside Unit 3
8	Southside Unit 4
9	Southside Unit 5
10	Kennedy Units 8 & 9
11	Kennedy Unit 10
12	Kennedy CT 3, 4, 5, 6
13	Kennedy CT 1
14	St. Regis (All major sources)
15	Anheuser Busch (All major sources)
16	Alton Box Board (All major sources)
17	SJRPP Aux. Boiler

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* 365-DAY AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *

* FROM ALL SOURCES *
* FOR THE DISCRETE RECEPTOR POINTS *

- X -	- Y -	CON.	- X -	- Y -	CON.	- X -	- Y -	CON.
440500.0	361500.0	17.67433	441000.0	361500.0	18.08750	441500.0	361500.0	19.09088
440000.0	361000.0	19.17542	440500.0	361000.0	17.98204	441000.0	361000.0	18.20363
441500.0	361000.0	19.54855	440000.0	360500.0	18.60927	440500.0	360500.0	17.98582
441000.0	360500.0	18.00718	441500.0	360500.0	20.55819	442000.0	360500.0	23.56859
440000.0	360000.0	16.94951	440500.0	360000.0	16.77623	441000.0	360000.0	19.69917
441500.0	360000.0	23.40416	442000.0	360000.0	24.28517	440500.0	359500.0	14.71892
441000.0	359500.0	20.34607	441500.0	359500.0	22.81765	442000.0	359500.0	24.50185
441000.0	359000.0	21.82258	441500.0	359000.0	24.99736	438500.0	359000.0	20.85518
439000.0	359000.0	18.76475	439500.0	359000.0	14.76569	438000.0	358500.0	21.76360
438500.0	358500.0	19.23601	439000.0	358500.0	17.67843	439500.0	358500.0	15.99954
440000.0	358500.0	14.51776	438000.0	358000.0	21.31855	438500.0	358000.0	19.55879
439000.0	358000.0	18.49304	439500.0	358000.0	17.69237	440000.0	358000.0	16.33193
438500.0	357500.0	20.27527	439000.0	357500.0	19.11932	439500.0	357500.0	17.90369
440000.0	357500.0	17.56500	439000.0	357000.0	19.04783	439500.0	357000.0	17.55768
438000.0	355500.0	19.11149	438500.0	355500.0	19.59950	437500.0	355000.0	17.32100
438000.0	355000.0	17.68969	438500.0	355000.0	19.69420	439000.0	355000.0	22.20863
437500.0	354500.0	14.33277	438000.0	354500.0	14.80128	438500.0	354500.0	21.74306
439000.0	354500.0	23.04416	439500.0	354500.0	21.06245	437500.0	354000.0	11.74421
438000.0	354000.0	12.50887	438500.0	354000.0	20.86220	439000.0	354000.0	23.08855
439500.0	354000.0	22.67976	438000.0	353500.0	13.01476	438500.0	353500.0	19.22931
439000.0	353500.0	20.10248	437000.0	353500.0	14.34233	436500.0	353000.0	17.58803
437000.0	353000.0	16.14608	437500.0	353000.0	13.80299	438000.0	353000.0	15.27895
436000.0	352500.0	17.53942	436500.0	352500.0	18.38854	437000.0	352500.0	16.17446
437500.0	352500.0	14.96514	438000.0	352500.0	15.50492	436000.0	352000.0	18.22078
436500.0	352000.0	17.08994	437000.0	352000.0	15.76376	437500.0	352000.0	15.48043
438000.0	352000.0	15.20385	436500.0	351500.0	15.97446	437000.0	351500.0	15.23230
437500.0	351500.0	15.59920	438000.0	351500.0	14.72243	437500.0	358500.0	22.03390
437500.0	358000.0	20.55791	437500.0	357500.0	20.68414	437500.0	357000.0	19.69702
438000.0	357500.0	20.52993	438000.0	357000.0	21.16177	438500.0	357000.0	20.64293
435500.0	353000.0	17.64968	435500.0	352500.0	18.33331	435500.0	352000.0	17.11076
435500.0	351500.0	17.53009	435500.0	351000.0	16.57657	436000.0	351500.0	17.09834
436000.0	351000.0	15.49944	436500.0	351000.0	15.31245			

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* HIGHEST 3-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE DISCRETE RECEPTOR POINTS *

- X -	- Y -	CON.	(DAY,PER.)	- X -	- Y -	CON.	(DAY,PER.)
440500.0	361500.0	306.12793	(182, 5)	441000.0	361500.0	423.86389	(57, 4)
441500.0	361500.0	410.39868	(101, 4)	440000.0	361000.0	343.85876	(87, 5)
440500.0	361000.0	403.86322	(182, 5)	441000.0	361000.0	387.53101	(101, 4)
441500.0	361000.0	381.56784	(101, 4)	440000.0	360500.0	451.25641	(320, 8)
440500.0	360500.0	494.97345	(57, 4)	441000.0	360500.0	386.42868	(197, 6)
441500.0	360500.0	369.08029	(296, 6)	442000.0	360500.0	357.27057	(350, 5)
440000.0	360000.0	371.77576	(321, 1)	440500.0	360000.0	446.78217	(206, 4)
441000.0	360000.0	389.02316	(127, 6)	441500.0	360000.0	434.66125	(201, 4)
442000.0	360000.0	372.16638	(207, 5)	440500.0	359500.0	338.26453	(320, 8)
441000.0	359500.0	482.61728	(274, 4)	441500.0	359500.0	486.10162	(274, 4)
442000.0	359500.0	396.32312	(112, 5)	441000.0	359000.0	523.00897	(195, 5)
441500.0	359000.0	484.16156	(171, 4)	438500.0	359000.0	431.08545	(105, 4)
439000.0	359000.0	466.30917	(105, 4)	439500.0	359000.0	380.16595	(146, 5)
438000.0	358500.0	390.70590	(330, 5)	438500.0	358500.0	397.46472	(285, 5)
439000.0	358500.0	606.29041	(101, 4)	439500.0	358500.0	315.83017	(222, 5)
440000.0	358500.0	382.67978	(194, 5)	438000.0	358000.0	462.17847	(101, 4)
438500.0	358000.0	602.82153	(101, 4)	439000.0	358000.0	505.58005	(356, 6)
439500.0	358000.0	412.85812	(277, 4)	440000.0	358000.0	462.71252	(311, 5)
438500.0	357500.0	565.12256	(356, 6)	439000.0	357500.0	340.19339	(358, 4)
439500.0	357500.0	403.90637	(319, 4)	440000.0	357500.0	498.10205	(311, 5)
439000.0	357000.0	302.65982	(356, 6)	439500.0	357000.0	347.12265	(335, 7)
438000.0	355500.0	367.41382	(182, 5)	438500.0	355500.0	372.48190	(206, 4)
437500.0	355000.0	400.49338	(212, 4)	438000.0	355000.0	426.49945	(57, 4)
438500.0	355000.0	512.91663	(113, 5)	439000.0	355000.0	476.87012	(133, 6)
437500.0	354500.0	378.53485	(231, 5)	438000.0	354500.0	458.97974	(192, 5)
438500.0	354500.0	410.27783	(196, 4)	439000.0	354500.0	624.84998	(207, 5)
439500.0	354500.0	559.59088	(274, 4)	437500.0	354000.0	299.67645	(330, 7)
438000.0	354000.0	285.27136	(245, 1)	438500.0	354000.0	719.51672	(100, 5)
439000.0	354000.0	587.35107	(112, 5)	439500.0	354000.0	468.31235	(60, 5)
438000.0	353500.0	302.29712	(303, 8)	438500.0	353500.0	540.04224	(172, 5)
439000.0	353500.0	463.31906	(177, 4)	437000.0	353500.0	391.80612	(222, 5)
436500.0	353000.0	620.39136	(101, 4)	437000.0	353000.0	494.96457	(356, 7)
437500.0	353000.0	324.62839	(137, 4)	438000.0	353000.0	675.08899	(273, 4)
436000.0	352500.0	441.24091	(326, 5)	436500.0	352500.0	582.40491	(312, 5)
437000.0	352500.0	518.75116	(277, 4)	437500.0	352500.0	393.27222	(311, 5)
438000.0	352500.0	523.47626	(273, 4)	436000.0	352000.0	585.21423	(291, 5)
436500.0	352000.0	489.87103	(336, 1)	437000.0	352000.0	484.69699	(301, 6)
437500.0	352000.0	449.72675	(83, 4)	438000.0	352000.0	471.60004	(149, 6)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* HIGHEST 3-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE DISCRETE RECEPTOR POINTS *

- X -	- Y -	CON.	(DAY,PER.)	- X -	- Y -	CON.	(DAY,PER.)
436500.0	351500.0	562.04199	(293, 5)	437000.0	351500.0	508.63031	(301, 6)
437500.0	351500.0	433.64291	(83, 4)	438000.0	351500.0	503.69406	(149, 6)
437500.0	358500.0	354.53326	(218, 6)	437500.0	358000.0	323.58038	(245, 3)
437500.0	357500.0	482.62997	(101, 4)	437500.0	357000.0	464.65036	(8, 3)
438000.0	357500.0	462.30164	(336, 4)	438000.0	357000.0	559.27856	(356, 6)
436500.0	357000.0	384.56699	(356, 7)	435500.0	353000.0	397.49994	(267, 6)
435500.0	352500.0	474.67126	(101, 4)	435500.0	352000.0	408.57202	(336, 3)
435500.0	351500.0	534.08923	(291, 5)	435500.0	351000.0	566.29559	(356, 7)
436000.0	351500.0	581.58691	(356, 7)	436000.0	351000.0	509.85822	(357, 5)
436500.0	351000.0	501.36536	(339, 4)				

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* SECOND HIGHEST 3-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE DISCRETE RECEPTOR POINTS *

- X -	- Y -	CON.	(DAY,PER.)	- X -	- Y -	CON.	(DAY,PER.)
440500.0	361500.0	278.95471	(145, 3)	441000.0	361500.0	408.96387	(182, 5)
441500.0	361500.0	306.30356	(197, 6)	440000.0	361000.0	290.78558	(320, 8)
440500.0	361000.0	338.96100	(101, 4)	441000.0	361000.0	368.88373	(341, 4)
441500.0	361000.0	335.63184	(113, 5)	440000.0	360500.0	376.33762	(87, 5)
440500.0	360500.0	453.69589	(182, 5)	441000.0	360500.0	364.02280	(126, 4)
441500.0	360500.0	354.87360	(127, 6)	442000.0	360500.0	310.54431	(201, 4)
440000.0	360000.0	356.88623	(320, 8)	440500.0	360000.0	395.98163	(199, 4)
441000.0	360000.0	377.18555	(173, 6)	441500.0	360000.0	402.34131	(81, 5)
442000.0	360000.0	335.11218	(296, 5)	440500.0	359500.0	295.55685	(146, 4)
441000.0	359500.0	479.41049	(207, 5)	441500.0	359500.0	358.90610	(107, 4)
442000.0	359500.0	294.05902	(134, 4)	441000.0	359000.0	429.18567	(179, 4)
441500.0	359000.0	468.69952	(195, 5)	438500.0	359000.0	383.07748	(218, 5)
439000.0	359000.0	428.09393	(251, 4)	439500.0	359000.0	327.23996	(222, 5)
438000.0	358500.0	354.52792	(109, 5)	438500.0	358500.0	362.95355	(321, 4)
439000.0	358500.0	426.77466	(7, 5)	439500.0	358500.0	309.12756	(107, 5)
440000.0	358500.0	252.32964	(356, 6)	438000.0	358000.0	372.94089	(90, 4)
438500.0	358000.0	505.36969	(336, 4)	439000.0	358000.0	389.25446	(326, 5)
439500.0	358000.0	338.11627	(284, 4)	440000.0	358000.0	343.16101	(311, 4)
438500.0	357500.0	389.34949	(336, 3)	439000.0	357500.0	321.11749	(319, 5)
439500.0	357500.0	332.26691	(301, 6)	440000.0	357500.0	361.20392	(75, 4)
439000.0	357000.0	301.82639	(31, 1)	439500.0	357000.0	304.23639	(301, 6)
438000.0	355500.0	324.28387	(188, 4)	438500.0	355500.0	369.00439	(197, 6)
437500.0	355000.0	378.80466	(191, 4)	438000.0	355000.0	403.87927	(232, 4)
438500.0	355000.0	393.03998	(126, 4)	439000.0	355000.0	412.35449	(127, 6)
437500.0	354500.0	367.77585	(181, 5)	438000.0	354500.0	338.22818	(206, 4)
438500.0	354500.0	388.43954	(234, 5)	439000.0	354500.0	524.17761	(296, 5)
439500.0	354500.0	422.32550	(307, 5)	437500.0	354000.0	242.42172	(214, 8)
438000.0	354000.0	269.79611	(252, 1)	438500.0	354000.0	596.35864	(180, 4)
439000.0	354000.0	574.46686	(171, 4)	439500.0	354000.0	457.64703	(166, 4)
438000.0	353500.0	280.37732	(245, 1)	438500.0	353500.0	520.51770	(127, 4)
439000.0	353500.0	461.26855	(275, 5)	437000.0	353500.0	384.94122	(147, 4)
436500.0	353000.0	539.37836	(326, 5)	437000.0	353000.0	464.61548	(94, 5)
437500.0	353000.0	321.32834	(194, 5)	438000.0	353000.0	389.09198	(256, 4)
436000.0	352500.0	401.92230	(226, 4)	436500.0	352500.0	569.54065	(291, 5)
437000.0	352500.0	433.38510	(284, 4)	437500.0	352500.0	369.68344	(311, 4)
438000.0	352500.0	415.07272	(70, 4)	436000.0	352000.0	536.76703	(312, 5)
436500.0	352000.0	477.26709	(357, 5)	437000.0	352000.0	482.83624	(319, 4)
437500.0	352000.0	424.59335	(311, 5)	438000.0	352000.0	398.05768	(70, 4)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* SECOND HIGHEST 3-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE DISCRETE RECEPTOR POINTS *

- X -	- Y -	CON.	(DAY,PER.)	- X -	- Y -	CON.	(DAY,PER.)
436500.0	351500.0	472.05585	(357, 5)	437000.0	351500.0	426.19519	(358, 3)
437500.0	351500.0	377.33115	(311, 5)	438000.0	351500.0	344.31848	(308, 7)
437500.0	358500.0	341.32266	(109, 5)	437500.0	358000.0	315.28021	(330, 7)
437500.0	357500.0	416.74460	(336, 4)	437500.0	357000.0	444.10870	(336, 3)
438000.0	357500.0	444.31995	(8, 3)	438000.0	357000.0	400.57935	(336, 3)
438500.0	357000.0	339.14288	(356, 8)	435500.0	353000.0	396.27148	(321, 4)
435500.0	352500.0	423.86243	(226, 5)	435500.0	352000.0	386.61639	(8, 3)
435500.0	351500.0	463.30481	(337, 2)	435500.0	351000.0	533.80255	(302, 8)
436000.0	351500.0	524.03662	(34, 1)	436000.0	351000.0	502.08783	(33, 8)
436500.0	351000.0	452.61057	(293, 5)				

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* 50 MAXIMUM 3-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *

* FROM ALL SOURCES *

RANK	CON.	PER.	DAY	X OR RANGE (METERS)	Y(METERS) OR DIRECTION (DEGREES)	RANK	CON.	PER.	DAY	X OR RANGE (METERS)	Y(METERS) OR DIRECTION (DEGREES)
1	719.51672	5	100	438500.0	354000.0	26	526.49817	5	257	438500.0	354000.0
2	675.08899	4	273	438000.0	353000.0	27	524.17761	5	296	439000.0	354500.0
3	624.84998	5	207	439000.0	354500.0	28	524.03662	1	34	436000.0	351500.0
4	620.39136	4	101	436500.0	353000.0	29	523.47626	4	273	438000.0	352500.0
5	606.29041	4	101	439000.0	358500.0	30	523.00897	5	195	441000.0	359000.0
6	602.82153	4	101	438500.0	358000.0	31	520.51770	4	127	438500.0	353500.0
7	596.35864	4	180	438500.0	354000.0	32	518.75116	4	277	437000.0	352500.0
8	587.35107	5	112	439000.0	354000.0	33	513.11365	4	166	439000.0	354000.0
9	585.21423	5	291	436000.0	352000.0	34	512.91663	5	113	438500.0	355000.0
10	582.40491	5	312	436500.0	352500.0	35	509.85822	5	357	436000.0	351000.0
11	581.58691	7	356	436000.0	351500.0	36	508.63031	6	301	437000.0	351500.0
12	574.46686	4	171	439000.0	354000.0	37	507.27252	5	129	439000.0	354000.0
13	569.54065	5	291	436500.0	352500.0	38	506.48996	7	356	436500.0	352500.0
14	566.29559	7	356	435500.0	351000.0	39	505.58005	6	356	439000.0	358000.0
15	565.12256	6	356	438500.0	357500.0	40	505.36969	4	336	438500.0	358000.0
16	562.04199	5	293	436500.0	351500.0	41	503.69406	6	149	438000.0	351500.0
17	561.13525	5	100	439000.0	354000.0	42	502.08783	8	33	436000.0	351000.0
18	559.59088	4	274	439500.0	354500.0	43	501.36536	4	339	436500.0	351000.0
19	559.27856	6	356	438000.0	357000.0	44	498.10205	5	311	440000.0	357500.0
20	540.04224	5	172	438500.0	353500.0	45	495.55896	4	315	438500.0	353500.0
21	539.37836	5	326	436500.0	353000.0	46	494.97345	4	57	440500.0	360500.0
22	536.76703	5	312	436000.0	352000.0	47	494.96457	7	356	437000.0	353000.0
23	534.08923	5	291	435500.0	351500.0	48	489.87103	1	336	436500.0	352000.0
24	533.80255	8	302	435500.0	351000.0	49	488.19928	1	336	436000.0	351500.0
25	528.42871	5	94	436500.0	352500.0	50	486.10162	4	274	441500.0	359500.0

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE DISCRETE RECEPTOR POINTS *

- X -	- Y -	CON.	(DAY,PER.)	- X -	- Y -	CON.	(DAY,PER.)
440500.0	361500.0	83.07513	(354, 1)	441000.0	361500.0	120.81758	(57, 1)
441500.0	361500.0	100.19295	(226, 1)	440000.0	361000.0	79.63293	(321, 1)
440500.0	361000.0	88.45162	(226, 1)	441000.0	361000.0	99.20267	(199, 1)
441500.0	361000.0	143.99655	(30, 1)	440000.0	360500.0	100.70564	(321, 1)
440500.0	360500.0	116.06352	(57, 1)	441000.0	360500.0	110.53021	(336, 1)
441500.0	360500.0	103.30037	(336, 1)	442000.0	360500.0	112.14468	(118, 1)
440000.0	360000.0	123.34929	(321, 1)	440500.0	360000.0	121.06829	(336, 1)
441000.0	360000.0	103.43726	(336, 1)	441500.0	360000.0	126.24191	(118, 1)
442000.0	360000.0	128.18002	(118, 1)	440500.0	359500.0	107.26869	(336, 1)
441000.0	359500.0	100.46371	(274, 1)	441500.0	359500.0	123.22857	(274, 1)
442000.0	359500.0	120.53543	(112, 1)	441000.0	359000.0	111.06869	(171, 1)
441500.0	359000.0	142.69626	(166, 1)	438500.0	359000.0	125.83321	(218, 1)
439000.0	359000.0	117.18444	(218, 1)	439500.0	359000.0	112.15710	(336, 1)
438000.0	358500.0	113.39308	(336, 1)	438500.0	358500.0	124.28598	(336, 1)
439000.0	358500.0	150.49509	(336, 1)	439500.0	358500.0	104.30471	(336, 1)
440000.0	358500.0	85.95309	(336, 1)	438000.0	358000.0	166.93472	(336, 1)
438500.0	358000.0	230.68285	(336, 1)	439000.0	358000.0	146.56500	(356, 1)
439500.0	358000.0	136.49843	(357, 1)	440000.0	358000.0	108.93835	(311, 1)
438500.0	357500.0	151.01956	(356, 1)	439000.0	357500.0	177.88818	(356, 1)
439500.0	357500.0	115.17342	(34, 1)	440000.0	357500.0	117.23199	(311, 1)
439000.0	357000.0	181.35779	(357, 1)	439500.0	357000.0	113.67022	(291, 1)
438000.0	355500.0	159.61026	(357, 1)	438500.0	355500.0	144.74054	(34, 1)
437500.0	355000.0	153.09161	(356, 1)	438000.0	355000.0	155.53340	(357, 1)
438500.0	355000.0	129.81586	(34, 1)	439000.0	355000.0	117.83496	(358, 1)
437500.0	354500.0	148.60669	(357, 1)	438000.0	354500.0	134.89206	(302, 1)
438500.0	354500.0	118.59074	(34, 1)	439000.0	354500.0	125.85403	(201, 1)
439500.0	354500.0	117.25936	(274, 1)	437500.0	354000.0	145.02177	(357, 1)
438000.0	354000.0	128.23822	(301, 1)	438500.0	354000.0	125.65123	(100, 1)
439000.0	354000.0	128.07133	(129, 1)	439500.0	354000.0	117.80849	(165, 1)
438000.0	353500.0	123.22568	(301, 1)	438500.0	353500.0	120.86086	(358, 1)
439000.0	353500.0	119.93289	(173, 1)	437000.0	353500.0	140.44615	(302, 1)
436500.0	353000.0	182.62845	(336, 1)	437000.0	353000.0	209.17279	(356, 1)
437500.0	353000.0	126.81698	(34, 1)	438000.0	353000.0	115.23077	(273, 1)
436000.0	352500.0	221.29399	(336, 1)	436500.0	352500.0	268.98730	(302, 1)
437000.0	352500.0	283.34348	(357, 1)	437500.0	352500.0	126.25921	(357, 1)
438000.0	352500.0	116.66637	(358, 1)	436000.0	352000.0	268.77042	(302, 1)
436500.0	352000.0	303.20560	(357, 1)	437000.0	352000.0	212.00682	(34, 1)
437500.0	352000.0	129.63107	(357, 1)	438000.0	352000.0	116.46083	(358, 1)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE DISCRETE RECEPTOR POINTS *

- X -	- Y -	CON.	(DAY,PER.)	- X -	- Y -	CON.	(DAY,PER.)
436500.0	351500.0	292.64243	(357, 1)	437000.0	351500.0	193.36188	(34, 1)
437500.0	351500.0	125.21410	(357, 1)	438000.0	351500.0	112.50574	(358, 1)
437500.0	358500.0	133.77841	(225, 1)	437500.0	358000.0	134.11522	(336, 1)
437500.0	357500.0	206.52945	(336, 1)	437500.0	357000.0	224.86780	(336, 1)
438000.0	357500.0	241.75189	(336, 1)	438000.0	357000.0	151.73160	(336, 1)
438500.0	357000.0	201.58224	(356, 1)	435500.0	353000.0	150.64932	(302, 1)
435500.0	352500.0	187.79039	(336, 1)	435500.0	352000.0	208.09555	(336, 1)
435500.0	351500.0	245.56625	(302, 1)	435500.0	351000.0	280.22867	(302, 1)
436000.0	351500.0	277.99655	(302, 1)	436000.0	351000.0	286.27521	(357, 1)
436500.0	351000.0	237.05724	(34, 1)				

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* SECOND HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE DISCRETE RECEPTOR POINTS *

- X -	- Y -	CON.	(DAY,PER.)	- X -	- Y -	CON.	(DAY,PER.)
440500.0	361500.0	73.12303	(199, 1)	441000.0	361500.0	95.86400	(126, 1)
441500.0	361500.0	87.30342	(225, 1)	440000.0	361000.0	79.31332	(303, 1)
440500.0	361000.0	86.44029	(57, 1)	441000.0	361000.0	88.99993	(336, 1)
441500.0	361000.0	101.12585	(336, 1)	440000.0	360500.0	90.79242	(320, 1)
440500.0	360500.0	108.37225	(336, 1)	441000.0	360500.0	78.68936	(199, 1)
441500.0	360500.0	98.83282	(30, 1)	442000.0	360500.0	98.47258	(133, 1)
440000.0	360000.0	110.85159	(336, 1)	440500.0	360000.0	90.03716	(126, 1)
441000.0	360000.0	86.17375	(200, 1)	441500.0	360000.0	126.16621	(201, 1)
442000.0	360000.0	87.16455	(201, 1)	440500.0	359500.0	74.15281	(320, 1)
441000.0	359500.0	81.80592	(234, 1)	441500.0	359500.0	80.05948	(327, 1)
442000.0	359500.0	98.00912	(274, 1)	441000.0	359000.0	107.67101	(160, 1)
441500.0	359000.0	109.62134	(160, 1)	438500.0	359000.0	123.20544	(154, 1)
439000.0	359000.0	113.93288	(105, 1)	439500.0	359000.0	82.76505	(146, 1)
438000.0	358500.0	109.52831	(359, 1)	438500.0	358500.0	106.03537	(267, 1)
439000.0	358500.0	122.70049	(225, 1)	439500.0	358500.0	96.02855	(272, 1)
440000.0	358500.0	74.65022	(321, 1)	438000.0	358000.0	134.69850	(225, 1)
438500.0	358000.0	132.44031	(95, 1)	439000.0	358000.0	133.65742	(336, 1)
439500.0	358000.0	98.15991	(356, 1)	440000.0	358000.0	84.32204	(272, 1)
438500.0	357500.0	149.93869	(336, 1)	439000.0	357500.0	148.42638	(357, 1)
439500.0	357500.0	104.51208	(308, 1)	440000.0	357500.0	86.11364	(312, 1)
439000.0	357000.0	146.25169	(34, 1)	439500.0	357000.0	104.48190	(34, 1)
438000.0	355500.0	139.28271	(302, 1)	438500.0	355500.0	131.97427	(357, 1)
437500.0	355000.0	139.95932	(302, 1)	438000.0	355000.0	140.31863	(302, 1)
438500.0	355000.0	118.96947	(357, 1)	439000.0	355000.0	111.75937	(302, 1)
437500.0	354500.0	139.12167	(302, 1)	438000.0	354500.0	134.57599	(34, 1)
438500.0	354500.0	116.19678	(357, 1)	439000.0	354500.0	120.49551	(358, 1)
439500.0	354500.0	100.98529	(356, 1)	437500.0	354000.0	139.91954	(302, 1)
438000.0	354000.0	126.71295	(34, 1)	438500.0	354000.0	114.77298	(358, 1)
439000.0	354000.0	121.46926	(112, 1)	439500.0	354000.0	103.06935	(129, 1)
438000.0	353500.0	119.24411	(34, 1)	438500.0	353500.0	119.81878	(136, 1)
439000.0	353500.0	119.74182	(150, 1)	437000.0	353500.0	139.97754	(357, 1)
436500.0	353000.0	170.84454	(302, 1)	437000.0	353000.0	203.69725	(357, 1)
437500.0	353000.0	126.49628	(302, 1)	438000.0	353000.0	114.74631	(301, 1)
436000.0	352500.0	180.36392	(356, 1)	436500.0	352500.0	262.01141	(356, 1)
437000.0	352500.0	189.52440	(34, 1)	437500.0	352500.0	122.88482	(34, 1)
438000.0	352500.0	113.07625	(301, 1)	436000.0	352000.0	248.09930	(356, 1)
436500.0	352000.0	239.27814	(302, 1)	437000.0	352000.0	194.20288	(357, 1)
437500.0	352000.0	125.69843	(301, 1)	438000.0	352000.0	112.46926	(301, 1)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* SECOND HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE DISCRETE RECEPTOR POINTS *

- X -	- Y -	CON.	(DAY,PER.)	- X -	- Y -	CON.	(DAY,PER.)
436500.0	351500.0	238.79601	(34, 1)	437000.0	351500.0	171.75462	(358, 1)
437500.0	351500.0	123.73064	(301, 1)	438000.0	351500.0	110.65660	(292, 1)
437500.0	358500.0	105.16618	(226, 1)	437500.0	358000.0	126.69850	(225, 1)
437500.0	357500.0	155.47969	(225, 1)	437500.0	357000.0	149.53168	(95, 1)
438000.0	357500.0	151.70805	(95, 1)	438000.0	357000.0	143.48502	(356, 1)
438500.0	357000.0	169.08539	(302, 1)	435500.0	353000.0	137.46179	(356, 1)
435500.0	352500.0	182.91960	(302, 1)	435500.0	352000.0	187.82639	(356, 1)
435500.0	351500.0	225.56670	(356, 1)	435500.0	351000.0	260.60281	(356, 1)
436000.0	351500.0	275.16095	(356, 1)	436000.0	351000.0	227.70621	(302, 1)
436500.0	351000.0	213.49170	(339, 1)				

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* 50 MAXIMUM 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *

* FROM ALL SOURCES *

RANK	CON.	PER.	DAY	X OR RANGE (METERS)	Y(METERS) OR DIRECTION (DEGREES)	RANK	CON.	PER.	DAY	X OR RANGE (METERS)	Y(METERS) OR DIRECTION (DEGREES)
1	303.20560	1	357	436500.0	352000.0	26	216.90707	1	357	436500.0	352500.0
2	292.64243	1	357	436500.0	351500.0	27	213.49170	1	339	436500.0	351000.0
3	286.27521	1	357	436000.0	351000.0	28	212.64488	1	357	435500.0	351000.0
4	283.34348	1	357	437000.0	352500.0	29	212.00682	1	34	437000.0	352000.0
5	280.22867	1	302	435500.0	351000.0	30	211.65121	1	34	436500.0	352000.0
6	277.99655	1	302	436000.0	351500.0	31	210.61090	1	302	436500.0	351500.0
7	275.16095	1	356	436000.0	351500.0	32	209.17279	1	356	437000.0	353000.0
8	268.98730	1	302	436500.0	352500.0	33	208.09555	1	336	435500.0	352000.0
9	268.77042	1	302	436000.0	352000.0	34	206.52945	1	336	437500.0	357500.0
10	262.01141	1	356	436500.0	352500.0	35	204.96806	1	356	436000.0	351000.0
11	260.60281	1	356	435500.0	351000.0	36	204.00049	1	357	436500.0	351000.0
12	248.09930	1	356	436000.0	352000.0	37	203.69725	1	357	437000.0	353000.0
13	245.62973	1	357	436000.0	351500.0	38	201.58224	1	356	438500.0	357000.0
14	245.56625	1	302	435500.0	351500.0	39	199.04149	1	34	436000.0	351500.0
15	241.75189	1	336	438000.0	357500.0	40	195.80975	1	302	437000.0	353000.0
16	239.27814	1	302	436500.0	352000.0	41	195.20297	1	339	436500.0	351500.0
17	238.79601	1	34	436500.0	351500.0	42	194.20288	1	357	437000.0	352000.0
18	237.05724	1	34	436500.0	351000.0	43	193.36188	1	34	437000.0	351500.0
19	232.26726	1	356	436500.0	352000.0	44	190.67882	1	339	437000.0	352000.0
20	230.68285	1	336	438500.0	358000.0	45	189.52440	1	34	437000.0	352500.0
21	227.70621	1	302	436000.0	351000.0	46	187.82639	1	356	435500.0	352000.0
22	225.56670	1	356	435500.0	351500.0	47	187.79039	1	336	435500.0	352500.0
23	224.86780	1	336	437500.0	357000.0	48	186.27257	1	357	436000.0	352000.0
24	221.29399	1	336	436000.0	352500.0	49	185.89738	1	291	436000.0	352000.0
25	217.30077	1	34	436000.0	351000.0	50	182.98975	1	291	436500.0	352500.0

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ISCST COARSE GRID ANALYSIS

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

CALCULATE (CONCENTRATION=1,DEPOSITION=2)	ISW(1) = 1
RECEPTOR GRID SYSTEM (RECTANGULAR=1 OR 3, POLAR=2 OR 4)	ISW(2) = 1
DISCRETE RECEPTOR SYSTEM (RECTANGULAR=1,POLAR=2)	ISW(3) = 1
TERRAIN ELEVATIONS ARE READ (YES=1,NO=0)	ISW(4) = 0
CALCULATIONS ARE WRITTEN TO TAPE (YES=1,NO=0)	ISW(5) = 0
LIST ALL INPUT DATA (NO=0,YES=1,MET DATA ALSO=2)	ISW(6) = 1
COMPUTE AVERAGE CONCENTRATION (OR TOTAL DEPOSITION) WITH THE FOLLOWING TIME PERIODS:	
HOURLY (YES=1,NO=0)	ISW(7) = 0
2-HOUR (YES=1,NO=0)	ISW(8) = 0
3-HOUR (YES=1,NO=0)	ISW(9) = 1
4-HOUR (YES=1,NO=0)	ISW(10) = 0
6-HOUR (YES=1,NO=0)	ISW(11) = 0
8-HOUR (YES=1,NO=0)	ISW(12) = 0
12-HOUR (YES=1,NO=0)	ISW(13) = 0
24-HOUR (YES=1,NO=0)	ISW(14) = 1
PRINT 'N'-DAY TABLE(S) (YES=1,NO=0)	ISW(15) = 1
PRINT THE FOLLOWING TYPES OF TABLES WHOSE TIME PERIODS ARE SPECIFIED BY ISW(7) THROUGH ISW(14):	
DAILY TABLES (YES=1,NO=0)	ISW(16) = 0
HIGHEST & SECOND HIGHEST TABLES (YES=1,NO=0)	ISW(17) = 1
MAXIMUM 50 TABLES (YES=1,NO=0)	ISW(18) = 1
METEOROLOGICAL DATA INPUT METHOD (PRE-PROCESSED=1,CARD=2)	ISW(19) = 1
RURAL-URBAN OPTION (RURAL=0,URBAN MODE 1=1,URBAN MODE 2=2)	ISW(20) = 0
WIND PROFILE EXPONENT VALUES (DEFAULTS=1,USER ENTERS=2,3)	ISW(21) = 1
VERTICAL POT. TEMP. GRADIENT VALUES (DEFAULTS=1,USER ENTERS=2,3)	ISW(22) = 1
SCALE EMISSION RATES FOR ALL SOURCES (NO=0,YES>0)	ISW(23) = 0
PROGRAM CALCULATES FINAL PLUME RISE ONLY (YES=1,NO=2)	ISW(24) = 1
PROGRAM ADJUSTS ALL STACK HEIGHTS FOR DOWNWASH (YES=2,NO=1)	ISW(25) = 1
NUMBER OF INPUT SOURCES	NSOURC = 17
NUMBER OF SOURCE GROUPS (=0,ALL SOURCES)	NGROUP = 0
TIME PERIOD INTERVAL TO BE PRINTED (=0,ALL INTERVALS)	IPERD = 0
NUMBER OF X (RANGE) GRID VALUES	NXPNTS = 0
NUMBER OF Y (THETA) GRID VALUES	NYPNTS = 0
NUMBER OF DISCRETE RECEPTORS	NXWYPT = 80
SOURCE EMISSION RATE UNITS CONVERSION FACTOR	TK =.10000E+07
ENTRAINMENT COEFFICIENT FOR UNSTABLE ATMOSPHERE	BETA1 =0.600
ENTRAINMENT COEFFICIENT FOR STABLE ATMOSPHERE	BETA2 =0.600
HEIGHT ABOVE GROUND AT WHICH WIND SPEED WAS MEASURED	ZR = 7.00 METERS
LOGICAL UNIT NUMBER OF METEOROLOGICAL DATA	IMET = 9
DECAY COEFFICIENT FOR PHYSICAL OR CHEMICAL DEPLETION	DECAY =0.000000E+00
SURFACE STATION NO.	ISS = 13889
YEAR OF SURFACE DATA	ISY = 72
UPPER AIR STATION NO.	IUS = 13861
YEAR OF UPPER AIR DATA	IUY = 72
ALLOCATED DATA STORAGE	LIMIT = 43500 WORDS
REQUIRED DATA STORAGE FOR THIS PROBLEM RUN	MIMIT = 5257 WORDS

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COARSE GRID

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

*** METEOROLOGICAL DAYS TO BE PROCESSED ***
(IF=1)

0 1 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 1 0 0 0 0	0 0 0 0 0 0 0 0 1 1	0 1 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 1	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 1 0 0 0 0
0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	1 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 1 0 0 0
0 0 0 0 0 0 0 0 0 0	0 0 1 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 1 0	0 0 0 0 0 0 0 0 0 0
0 0 0 1 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 1 0 0 0 0 0 0	1 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 1 0 0 0 0	0 0 0 0 1 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 1 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0			

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** WIND PROFILE EXPONENTS ***

STABILITY CATEGORY	WIND SPEED CATEGORY 1	2	3	4	5	6
A	.10000E+00	.10000E+00	.10000E+00	.10000E+00	.10000E+00	.10000E+00
B	.15000E+00	.15000E+00	.15000E+00	.15000E+00	.15000E+00	.15000E+00
C	.20000E+00	.20000E+00	.20000E+00	.20000E+00	.20000E+00	.20000E+00
D	.25000E+00	.25000E+00	.25000E+00	.25000E+00	.25000E+00	.25000E+00
E	.30000E+00	.30000E+00	.30000E+00	.30000E+00	.30000E+00	.30000E+00
F	.30000E+00	.30000E+00	.30000E+00	.30000E+00	.30000E+00	.30000E+00

*** VERTICAL POTENTIAL TEMPERATURE GRADIENTS ***
(DEGREES KELVIN PER METER)

STABILITY CATEGORY	WIND SPEED CATEGORY 1	2	3	4	5	6
A	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
B	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
C	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
D	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
E	.20000E-01	.20000E-01	.20000E-01	.20000E-01	.20000E-01	.20000E-01
F	.35000E-01	.35000E-01	.35000E-01	.35000E-01	.35000E-01	.35000E-01

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

*** X,Y COORDINATES OF DISCRETE RECEPTORS ***
(METERS)

(440500.0, 361500.0),	(441000.0, 361500.0),	(441500.0, 361500.0),	(440000.0, 361000.0),	(440500.0, 361000.0),
(441000.0, 361000.0),	(441500.0, 361000.0),	(440000.0, 360500.0),	(440500.0, 360500.0),	(441000.0, 360500.0),
(441500.0, 360500.0),	(442000.0, 360500.0),	(440000.0, 360000.0),	(440500.0, 360000.0),	(441000.0, 360000.0),
(441500.0, 360000.0),	(442000.0, 360000.0),	(440500.0, 359500.0),	(441000.0, 359500.0),	(441500.0, 359500.0),
(442000.0, 359500.0),	(441000.0, 359000.0),	(441500.0, 359000.0),	(438500.0, 359000.0),	(439000.0, 359000.0),
(439500.0, 359000.0),	(438000.0, 358500.0),	(438500.0, 358500.0),	(439000.0, 358500.0),	(439500.0, 358500.0),
(440000.0, 358500.0),	(438000.0, 358000.0),	(438500.0, 358000.0),	(439000.0, 358000.0),	(439500.0, 358000.0),
(440000.0, 358000.0),	(438500.0, 357500.0),	(439000.0, 357500.0),	(439500.0, 357500.0),	(440000.0, 357500.0),
(439000.0, 357000.0),	(439500.0, 357000.0),	(438000.0, 355500.0),	(438500.0, 355500.0),	(437500.0, 355000.0),
(438000.0, 355000.0),	(438500.0, 355000.0),	(439000.0, 355000.0),	(437500.0, 354500.0),	(438000.0, 354500.0),
(438500.0, 354500.0),	(439000.0, 354500.0),	(439500.0, 354500.0),	(437500.0, 354000.0),	(438000.0, 354000.0),
(438500.0, 354000.0),	(439000.0, 354000.0),	(439500.0, 354000.0),	(438000.0, 353500.0),	(438500.0, 353500.0),
(439000.0, 353500.0),	(437000.0, 353500.0),	(436500.0, 353000.0),	(437000.0, 353000.0),	(437500.0, 353000.0),
(438000.0, 353000.0),	(436000.0, 352500.0),	(436500.0, 352500.0),	(437000.0, 352500.0),	(437500.0, 352500.0),
(438000.0, 352500.0),	(436000.0, 352000.0),	(436500.0, 352000.0),	(437000.0, 352000.0),	(437500.0, 352000.0),
(438000.0, 352000.0),	(436500.0, 351500.0),	(437000.0, 351510.0),	(437500.0, 351500.0),	(438000.0, 351500.0),
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*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

*** SOURCE DATA ***

SOURCE NUMBER	TYPE	WAKE	NUMBER PART. CATS.	EMISSION RATE TYPE=0,1 (GRAMS/SEC) TYPE=2 (GRAMS/SEC) *PER METER**2	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	HEIGHT (METERS)	TEMP. TYPE=0 (DEG.K); VERT.DIM TYPE=1 (METERS)	EXIT VEL. TYPE=0 (M/SEC); HORZ.DIM TYPE=1,2 (METERS)	DIAMETER TYPE=0 (METERS)	BLDG. HEIGHT TYPE=0 (METERS)	BLDG. LENGTH TYPE=0 (METERS)	BLDG. WIDTH TYPE=0 (METERS)
1	0	0	0	0.11766E+04	446900.0	366300.0	0.0	194.20	327.60	18.29	10.13	0.00	0.00	0.00
2	0	0	0	0.70570E+03	446900.0	364900.0	0.0	76.20	401.00	20.10	5.03	0.00	0.00	0.00
3	0	0	0	0.70570E+03	446900.0	364900.0	0.0	91.40	408.20	8.50	5.33	0.00	0.00	0.00
4	0	0	0	0.12556E+04	446900.0	364900.0	0.0	106.70	438.80	19.20	7.01	0.00	0.00	0.00
5	0	0	0	0.23160E+03	446900.0	364900.0	0.0	10.10	779.80	18.30	6.56	0.00	0.00	0.00
6	0	0	0	0.13180E+03	437670.0	353900.0	0.0	40.70	433.20	11.70	2.44	0.00	0.00	0.00
7	0	0	0	0.90600E+02	437670.0	353900.0	0.0	40.70	406.50	10.30	3.05	0.00	0.00	0.00
8	0	0	0	0.11030E+03	437670.0	353900.0	0.0	43.70	422.10	11.80	3.35	0.00	0.00	0.00
9	0	0	0	0.20970E+03	437670.0	353900.0	0.0	44.20	416.50	13.70	3.05	0.00	0.00	0.00
10	0	0	0	0.16520E+03	440080.0	359150.0	0.0	45.70	414.30	7.80	3.20	0.00	0.00	0.00
11	0	0	0	0.20480E+03	440080.0	359150.0	0.0	41.50	405.40	15.50	2.74	0.00	0.00	0.00
12	0	0	0	0.19120E+03	440080.0	359150.0	0.0	13.70	714.30	8.80	5.84	0.00	0.00	0.00
13	0	0	0	0.13800E+02	440080.0	359150.0	0.0	6.30	766.50	11.80	3.13	0.00	0.00	0.00
14	0	0	0	0.20840E+03	441800.0	365600.0	0.0	32.30	433.00	16.10	2.13	0.00	0.00	0.00
15	0	0	0	0.82200E+02	437900.0	366800.0	0.0	15.90	505.00	8.60	1.37	0.00	0.00	0.00
16	0	0	0	0.54400E+02	439900.0	359300.0	0.0	76.20	477.00	9.20	3.78	0.00	0.00	0.00
17	0	0	0	0.25600E+02	447040.0	366570.0	0.0	85.40	441.00	12.20	2.08	0.00	0.00	0.00

Source NO.	Source Name
1	SJRPP Units 1 & 2
2	Northside Unit 1
3	Northside Unit 2
4	Northside Unit 3
5	Northside CT 3, 4, 5, 6
6	Southside Units 1 & 2
7	Southside Unit 3
8	Southside Unit 4
9	Southside Unit 5
10	Kennedy Units 8 & 9
11	Kennedy Unit 10
12	Kennedy CT 3, 4, 5, 6
13	Kennedy CT 1
14	St. Regis (All major sources)
15	Anheuser Busch (All major sources)
16	Alton Box Board (All major sources)
17	SJRPP Aux. Boiler

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*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* HIGHEST 3-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE DISCRETE RECEPTOR POINTS *

- X -	- Y -	CON.	(DAY,PER.)	- X -	- Y -	CON.	(DAY,PER.)
440500.0	361500.0	254.77898	(163, 4)	441000.0	361500.0	311.05231	(2, 3)
441500.0	361500.0	290.19870	(147, 6)	440000.0	361000.0	264.19925	(163, 3)
440500.0	361000.0	269.68176	(163, 3)	441000.0	361000.0	324.12106	(2, 3)
441500.0	361000.0	312.16248	(204, 4)	440000.0	360500.0	295.67438	(147, 6)
440500.0	360500.0	297.34842	(204, 4)	441000.0	360500.0	293.34314	(204, 4)
441500.0	360500.0	248.75218	(204, 4)	442000.0	360500.0	192.80791	(276, 2)
440000.0	360000.0	287.16602	(204, 4)	440500.0	360000.0	271.04843	(204, 4)
441000.0	360000.0	222.43974	(204, 4)	441500.0	360000.0	164.70209	(224, 5)
442000.0	360000.0	220.18179	(224, 3)	440500.0	359500.0	231.00961	(224, 4)
441000.0	359500.0	359.84308	(231, 4)	441500.0	359500.0	357.85812	(231, 4)
442000.0	359500.0	258.45016	(224, 3)	441000.0	359000.0	355.07245	(231, 5)
441500.0	359000.0	323.18402	(231, 5)	438500.0	359000.0	330.83575	(204, 4)
439000.0	359000.0	390.74387	(204, 4)	439500.0	359000.0	409.05847	(204, 4)
438000.0	358500.0	284.14700	(204, 4)	438500.0	358500.0	306.40472	(204, 4)
439000.0	358500.0	428.07111	(131, 4)	439500.0	358500.0	217.22733	(224, 3)
440000.0	358500.0	171.57408	(276, 5)	438000.0	358000.0	383.60791	(204, 4)
438500.0	358000.0	518.94592	(189, 6)	439000.0	358000.0	324.24423	(285, 5)
439500.0	358000.0	217.94360	(224, 3)	440000.0	358000.0	223.75700	(131, 4)
438500.0	357500.0	366.95959	(276, 5)	439000.0	357500.0	295.22824	(224, 3)
439500.0	357500.0	221.20030	(40, 1)	440000.0	357500.0	258.33691	(131, 3)
439000.0	357000.0	283.55420	(231, 6)	439500.0	357000.0	235.75946	(40, 4)
438000.0	355500.0	288.89667	(231, 6)	438500.0	355500.0	232.39218	(39, 5)
437500.0	355000.0	252.67743	(231, 6)	438000.0	355000.0	264.11005	(231, 6)
438500.0	355000.0	252.14166	(224, 5)	439000.0	355000.0	261.54071	(80, 3)
437500.0	354500.0	262.41052	(231, 6)	438000.0	354500.0	245.42966	(285, 8)
438500.0	354500.0	258.92917	(80, 3)	439000.0	354500.0	247.09711	(231, 4)
439500.0	354500.0	289.24344	(231, 4)	437500.0	354000.0	242.76042	(231, 6)
438000.0	354000.0	269.05811	(285, 8)	438500.0	354000.0	332.42798	(231, 4)
439000.0	354000.0	227.61485	(231, 5)	439500.0	354000.0	237.37790	(231, 6)
438000.0	353500.0	245.51224	(285, 8)	438500.0	353500.0	256.88934	(42, 8)
439000.0	353500.0	292.19250	(231, 5)	437000.0	353500.0	256.00293	(131, 4)
436500.0	353000.0	429.98102	(131, 4)	437000.0	353000.0	404.77048	(231, 6)
437500.0	353000.0	273.08887	(285, 8)	438000.0	353000.0	273.69739	(231, 4)
436000.0	352500.0	340.80521	(26, 6)	436500.0	352500.0	428.11826	(224, 3)
437000.0	352500.0	433.49017	(231, 6)	437500.0	352500.0	241.24417	(285, 8)
438000.0	352500.0	250.27518	(96, 3)	436000.0	352000.0	403.99902	(224, 3)
436500.0	352000.0	534.80811	(231, 6)	437000.0	352000.0	399.20050	(39, 5)
437500.0	352000.0	262.25781	(40, 5)	438000.0	352000.0	338.10449	(131, 3)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* HIGHEST 3-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE DISCRETE RECEPTOR POINTS *

- X -	- Y -	CON.	(DAY,PER.)	- X -	- Y -	CON.	(DAY,PER.)
436500.0	351500.0	484.76181	(231, 6)	437000.0	351500.0	370.04037	(40, 1)
437500.0	351500.0	273.74033	(40, 5)	438000.0	351500.0	344.63129	(131, 3)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* SECOND HIGHEST 3-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE DISCRETE RECEPTOR POINTS *

- X -	- Y -	CON.	(DAY,PER.)	- X -	- Y -	CON.	(DAY,PER.)
440500.0	361500.0	204.84329	(163, 3)	441000.0	361500.0	265.76630	(163, 3)
441500.0	361500.0	289.69696	(204, 4)	440000.0	361000.0	250.90472	(163, 4)
440500.0	361000.0	268.76331	(147, 6)	441000.0	361000.0	299.54929	(204, 4)
441500.0	361000.0	282.38974	(189, 6)	440000.0	360500.0	272.52832	(204, 4)
440500.0	360500.0	272.59717	(2, 3)	441000.0	360500.0	281.48322	(189, 6)
441500.0	360500.0	212.03146	(42, 4)	442000.0	360500.0	171.73251	(204, 4)
440000.0	360000.0	280.35358	(189, 6)	440500.0	360000.0	264.85550	(189, 6)
441000.0	360000.0	207.93961	(26, 6)	441500.0	360000.0	159.62622	(224, 3)
442000.0	360000.0	195.85086	(276, 5)	440500.0	359500.0	201.06004	(26, 6)
441000.0	359500.0	163.48605	(276, 5)	441500.0	359500.0	202.93254	(224, 3)
442000.0	359500.0	232.24530	(231, 4)	441000.0	359000.0	198.12614	(276, 5)
441500.0	359000.0	237.70343	(224, 3)	438500.0	359000.0	272.99207	(131, 5)
439000.0	359000.0	270.79919	(189, 6)	439500.0	359000.0	228.56357	(42, 4)
438000.0	358500.0	268.71509	(189, 6)	438500.0	358500.0	285.00269	(80, 4)
439000.0	358500.0	383.29431	(204, 4)	439500.0	358500.0	192.88504	(285, 5)
440000.0	358500.0	168.72023	(342, 6)	438000.0	358000.0	346.50021	(163, 3)
438500.0	358000.0	469.88104	(204, 4)	439000.0	358000.0	309.75671	(276, 5)
439500.0	358000.0	192.87775	(231, 6)	440000.0	358000.0	207.64319	(131, 3)
438500.0	357500.0	340.87192	(26, 3)	439000.0	357500.0	288.32687	(231, 6)
439500.0	357500.0	214.88799	(204, 3)	440000.0	357500.0	225.14359	(224, 3)
439000.0	357000.0	223.30768	(39, 6)	439500.0	357000.0	233.79733	(39, 4)
438000.0	355500.0	266.31207	(39, 6)	438500.0	355500.0	223.61064	(231, 6)
437500.0	355000.0	248.04218	(224, 3)	438000.0	355000.0	193.77817	(224, 3)
438500.0	355000.0	242.33582	(40, 1)	439000.0	355000.0	234.03014	(224, 5)
437500.0	354500.0	231.46141	(39, 6)	438000.0	354500.0	222.29993	(231, 6)
438500.0	354500.0	239.42169	(40, 1)	439000.0	354500.0	220.05496	(40, 4)
439500.0	354500.0	256.58112	(2, 4)	437500.0	354000.0	207.71347	(285, 8)
438000.0	354000.0	229.49377	(39, 5)	438500.0	354000.0	244.27930	(80, 3)
439000.0	354000.0	224.35245	(231, 4)	439500.0	354000.0	199.98541	(40, 5)
438000.0	353500.0	212.77299	(80, 3)	438500.0	353500.0	232.55496	(231, 5)
439000.0	353500.0	215.98837	(231, 6)	437000.0	353500.0	238.28815	(231, 6)
436500.0	353000.0	393.53607	(285, 3)	437000.0	353000.0	341.11838	(224, 3)
437500.0	353000.0	220.16745	(39, 5)	438000.0	353000.0	222.71194	(42, 8)
436000.0	352500.0	336.72131	(26, 4)	436500.0	352500.0	406.84961	(231, 6)
437000.0	352500.0	311.42035	(147, 3)	437500.0	352500.0	237.05676	(131, 4)
438000.0	352500.0	249.50632	(42, 8)	436000.0	352000.0	401.44513	(26, 5)
436500.0	352000.0	488.84009	(39, 6)	437000.0	352000.0	387.70468	(40, 1)
437500.0	352000.0	206.26318	(42, 8)	438000.0	352000.0	313.04279	(96, 3)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* SECOND HIGHEST 3-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE DISCRETE RECEPTOR POINTS *

- X -	- Y -	CON.	(DAY,PER.)	- X -	- Y -	CON.	(DAY,PER.)
436500.0	351500.0	366.13690	(39, 6)	437000.0	351500.0	277.06830	(39, 5)
437500.0	351500.0	225.00662	(42, 8)	438000.0	351500.0	293.85635	(96, 3)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* 50 MAXIMUM 3-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *

* FROM ALL SOURCES *

RANK	CON.	PER.	DAY	X OR RANGE (METERS)	Y(METERS) OR DIRECTION (DEGREES)	RANK	CON.	PER.	DAY	X OR RANGE (METERS)	Y(METERS) OR DIRECTION (DEGREES)
1	534.80811	6	231	436500.0	352000.0	26	392.01300	3	285	438500.0	358000.0
2	518.94592	6	189	438500.0	358000.0	27	390.74387	4	204	439000.0	359000.0
3	488.84009	6	39	436500.0	352000.0	28	390.69690	4	285	436500.0	352500.0
4	484.76181	6	231	436500.0	351500.0	29	387.70468	1	40	437000.0	352000.0
5	469.88104	4	204	438500.0	358000.0	30	383.60791	4	204	438000.0	358000.0
6	449.01379	7	39	436500.0	352000.0	31	383.29431	4	204	439000.0	358500.0
7	445.29736	4	42	438500.0	358000.0	32	378.09335	4	276	438500.0	358000.0
8	440.93381	6	26	438500.0	358000.0	33	376.16138	8	285	436000.0	352000.0
9	433.49017	6	231	437000.0	352500.0	34	375.12317	4	285	436000.0	352000.0
10	429.98102	4	131	436500.0	353000.0	35	370.04037	1	40	437000.0	351500.0
11	428.11826	3	224	436500.0	352500.0	36	369.39166	2	276	438500.0	358000.0
12	428.07111	4	131	439000.0	358500.0	37	366.95959	5	276	438500.0	357500.0
13	424.22699	8	39	436500.0	352000.0	38	366.13690	6	39	436500.0	351500.0
14	409.05847	4	204	439500.0	359000.0	39	364.46738	2	26	436500.0	352500.0
15	406.84961	6	231	436500.0	352500.0	40	362.84216	4	147	436000.0	352000.0
16	405.30078	4	26	438500.0	358000.0	41	360.71457	3	147	436500.0	351500.0
17	404.77048	6	231	437000.0	353000.0	42	359.84308	4	231	441000.0	359500.0
18	403.99902	3	224	436000.0	352000.0	43	358.29053	6	189	436500.0	353000.0
19	401.44513	5	26	436000.0	352000.0	44	358.28448	5	26	436500.0	352500.0
20	401.13556	8	285	436500.0	352500.0	45	357.85812	4	231	441500.0	359500.0
21	400.23447	4	131	438500.0	358000.0	46	355.07245	5	231	441000.0	359000.0
22	399.20050	5	39	437000.0	352000.0	47	351.35739	4	189	436500.0	353000.0
23	397.20343	2	26	436000.0	352000.0	48	346.50021	3	163	438000.0	358000.0
24	394.75195	8	342	436500.0	352000.0	49	344.63129	3	131	438000.0	351500.0
25	393.53607	3	285	436500.0	353000.0	50	344.62036	5	163	438500.0	358000.0

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE DISCRETE RECEPTOR POINTS *

- X -	- Y -	CON.	(DAY,PER.)	- X -	- Y -	CON.	(DAY,PER.)
440500.0	361500.0	106.63268	(163, 1)	441000.0	361500.0	106.43108	(163, 1)
441500.0	361500.0	88.89363	(163, 1)	440000.0	361000.0	116.33653	(163, 1)
440500.0	361000.0	100.52022	(163, 1)	441000.0	361000.0	97.80225	(147, 1)
441500.0	361000.0	92.66827	(26, 1)	440000.0	360500.0	94.43697	(163, 1)
440500.0	360500.0	92.72295	(26, 1)	441000.0	360500.0	98.46889	(26, 1)
441500.0	360500.0	91.50211	(26, 1)	442000.0	360500.0	81.22649	(26, 1)
440000.0	360000.0	95.89180	(26, 1)	440500.0	360000.0	103.69292	(26, 1)
441000.0	360000.0	90.90643	(26, 1)	441500.0	360000.0	82.50233	(26, 1)
442000.0	360000.0	80.86186	(26, 1)	440500.0	359500.0	91.21584	(26, 1)
441000.0	359500.0	83.41998	(26, 1)	441500.0	359500.0	88.34557	(231, 1)
442000.0	359500.0	99.85464	(285, 1)	441000.0	359000.0	82.78799	(26, 1)
441500.0	359000.0	99.03676	(285, 1)	438500.0	359000.0	98.61139	(276, 1)
439000.0	359000.0	93.90997	(131, 1)	439500.0	359000.0	93.98332	(26, 1)
438000.0	358500.0	102.33351	(276, 1)	438500.0	358500.0	140.30334	(276, 1)
439000.0	358500.0	141.02750	(276, 1)	439500.0	358500.0	95.04604	(26, 1)
440000.0	358500.0	85.99292	(26, 1)	438000.0	358000.0	196.83844	(163, 1)
438500.0	358000.0	201.24203	(276, 1)	439000.0	358000.0	148.63281	(285, 1)
439500.0	358000.0	84.35802	(26, 1)	440000.0	358000.0	84.89574	(26, 1)
438500.0	357500.0	173.05701	(26, 1)	439000.0	357500.0	151.32729	(39, 1)
439500.0	357500.0	93.61404	(40, 1)	440000.0	357500.0	92.74172	(285, 1)
439000.0	357000.0	124.16009	(39, 1)	439500.0	357000.0	99.78957	(40, 1)
438000.0	355500.0	148.95465	(39, 1)	438500.0	355500.0	112.81487	(42, 1)
437500.0	355000.0	150.51608	(39, 1)	438000.0	355000.0	115.84222	(39, 1)
438500.0	355000.0	119.05963	(42, 1)	439000.0	355000.0	100.76225	(42, 1)
437500.0	354500.0	128.37054	(39, 1)	438000.0	354500.0	108.69783	(285, 1)
438500.0	354500.0	121.23797	(42, 1)	439000.0	354500.0	94.41093	(42, 1)
439500.0	354500.0	102.44016	(39, 1)	437500.0	354000.0	106.89558	(285, 1)
438000.0	354000.0	113.94803	(42, 1)	438500.0	354000.0	120.80530	(42, 1)
439000.0	354000.0	110.52126	(231, 1)	439500.0	354000.0	112.27474	(39, 1)
438000.0	353500.0	120.30374	(42, 1)	438500.0	353500.0	117.92828	(42, 1)
439000.0	353500.0	108.55573	(39, 1)	437000.0	353500.0	117.28087	(285, 1)
436500.0	353000.0	182.50082	(285, 1)	437000.0	353000.0	164.84349	(285, 1)
437500.0	353000.0	110.04425	(42, 1)	438000.0	353000.0	124.69443	(42, 1)
436000.0	352500.0	202.47549	(26, 1)	436500.0	352500.0	263.05243	(285, 1)
437000.0	352500.0	168.74008	(39, 1)	437500.0	352500.0	118.12228	(44, 1)
438000.0	352500.0	125.13545	(42, 1)	436000.0	352000.0	271.21216	(285, 1)
436500.0	352000.0	260.01950	(39, 1)	437000.0	352000.0	158.26517	(42, 1)
437500.0	352000.0	123.69107	(42, 1)	438000.0	352000.0	121.44244	(42, 1)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE DISCRETE RECEPTOR POINTS *

- X -	- Y -	CON.	(DAY,PER.)	- X -	- Y -	CON.	(DAY,PER.)
436500.0	351500.0	204.67467	(39, 1)	437000.0	351500.0	169.89447	(42, 1)
437500.0	351500.0	127.46336	(39, 1)	438000.0	351500.0	114.61014	(42, 1)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* SECOND HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE DISCRETE RECEPTOR POINTS *

- X -	- Y -	CON.	(DAY,PER.)	- X -	- Y -	CON.	(DAY,PER.)
440500.0	361500.0	82.70304	(147, 1)	441000.0	361500.0	105.58108	(147, 1)
441500.0	361500.0	81.25932	(147, 1)	440000.0	361000.0	90.66949	(147, 1)
440500.0	361000.0	80.62075	(147, 1)	441000.0	361000.0	79.23526	(163, 1)
441500.0	361000.0	89.90301	(276, 1)	440000.0	360500.0	90.29678	(147, 1)
440500.0	360500.0	82.42374	(276, 1)	441000.0	360500.0	88.34146	(276, 1)
441500.0	360500.0	84.41832	(276, 1)	442000.0	360500.0	77.61769	(276, 1)
440000.0	360000.0	90.35815	(276, 1)	440500.0	360000.0	88.14534	(276, 1)
441000.0	360000.0	77.40872	(276, 1)	441500.0	360000.0	65.16103	(276, 1)
442000.0	360000.0	76.24078	(285, 1)	440500.0	359500.0	73.48436	(276, 1)
441000.0	359500.0	68.72173	(231, 1)	441500.0	359500.0	81.75089	(26, 1)
442000.0	359500.0	86.73564	(231, 1)	441000.0	359000.0	77.02036	(285, 1)
441500.0	359000.0	74.09864	(26, 1)	438500.0	359000.0	94.36453	(131, 1)
439000.0	359000.0	93.71280	(276, 1)	439500.0	359000.0	88.54643	(276, 1)
438000.0	358500.0	91.80037	(26, 1)	438500.0	358500.0	104.60399	(163, 1)
439000.0	358500.0	127.82229	(163, 1)	439500.0	358500.0	84.65279	(276, 1)
440000.0	358500.0	60.24986	(342, 1)	438000.0	358000.0	186.43295	(276, 1)
438500.0	358000.0	187.36168	(26, 1)	439000.0	358000.0	148.14517	(26, 1)
439500.0	358000.0	74.79230	(342, 1)	440000.0	358000.0	75.17134	(285, 1)
438500.0	357500.0	162.75117	(285, 1)	439000.0	357500.0	116.06705	(42, 1)
439500.0	357500.0	90.05533	(26, 1)	440000.0	357500.0	80.08359	(26, 1)
439000.0	357000.0	103.69783	(342, 1)	439500.0	357000.0	98.63598	(26, 1)
438000.0	355500.0	114.87515	(342, 1)	438500.0	355500.0	108.78928	(285, 1)
437500.0	355000.0	120.79694	(42, 1)	438000.0	355000.0	108.66155	(285, 1)
438500.0	355000.0	112.82477	(40, 1)	439000.0	355000.0	95.44521	(40, 1)
437500.0	354500.0	105.89876	(285, 1)	438000.0	354500.0	106.85748	(42, 1)
438500.0	354500.0	112.29474	(40, 1)	439000.0	354500.0	86.99797	(39, 1)
439500.0	354500.0	85.64528	(231, 1)	437500.0	354000.0	106.44373	(39, 1)
438000.0	354000.0	101.40810	(285, 1)	438500.0	354000.0	102.81435	(231, 1)
439000.0	354000.0	100.03579	(39, 1)	439500.0	354000.0	96.87344	(231, 1)
438000.0	353500.0	100.27487	(39, 1)	438500.0	353500.0	94.20455	(39, 1)
439000.0	353500.0	87.87557	(42, 1)	437000.0	353500.0	111.07790	(39, 1)
436500.0	353000.0	159.14125	(26, 1)	437000.0	353000.0	147.52647	(39, 1)
437500.0	353000.0	108.80810	(39, 1)	438000.0	353000.0	101.65328	(39, 1)
436000.0	352500.0	177.34256	(285, 1)	436500.0	352500.0	150.87592	(39, 1)
437000.0	352500.0	123.09016	(42, 1)	437500.0	352500.0	114.98788	(39, 1)
438000.0	352500.0	103.65520	(39, 1)	436000.0	352000.0	183.04883	(342, 1)
436500.0	352000.0	176.85313	(42, 1)	437000.0	352000.0	154.04944	(40, 1)
437500.0	352000.0	120.75346	(39, 1)	438000.0	352000.0	105.76085	(39, 1)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* SECOND HIGHEST 24-HOUV AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE DISCRETE RECEPTOR POINTS *

- X -	- Y -	CON.	(DAY,PER.)	- X -	- Y -	CON.	(DAY,PER.)
436500.0	351500.0	154.47813	(42, 1)	437000.0	351500.0	166.68620	(40, 1)
437500.0	351500.0	126.57458	(40, 1)	438000.0	351500.0	107.26178	(39, 1)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* 50 MAXIMUM 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *

* FROM ALL SOURCES *

RANK	CON.	PER.	DAY	X OR RANGE (METERS)	Y(METERS) OR DIRECTION (DEGREES)	RANK	CON.	PER.	DAY	X OR RANGE (METERS)	Y(METERS) OR DIRECTION (DEGREES)
1	271.21216	1	285	436000.0	352000.0	26	153.77901	1	276	436500.0	353000.0
2	263.05243	1	285	436500.0	352500.0	27	153.02780	1	39	437000.0	352000.0
3	260.01950	1	39	436500.0	352000.0	28	151.32729	1	39	439000.0	357500.0
4	204.67467	1	39	436500.0	351500.0	29	150.87592	1	39	436500.0	352500.0
5	202.47549	1	26	436000.0	352500.0	30	150.51608	1	39	437500.0	355000.0
6	201.24203	1	276	438500.0	358000.0	31	150.16681	1	342	436000.0	352500.0
7	196.83844	1	163	438000.0	358000.0	32	148.95465	1	39	438000.0	355500.0
8	187.36168	1	26	438500.0	358000.0	33	148.63281	1	285	439000.0	358000.0
9	186.43295	1	276	438000.0	358000.0	34	148.14517	1	26	439000.0	358000.0
10	183.04883	1	342	436000.0	352000.0	35	147.68558	1	276	438500.0	357500.0
11	182.50082	1	285	436500.0	353000.0	36	147.52647	1	39	437000.0	353000.0
12	177.34256	1	285	436000.0	352500.0	37	147.36411	1	39	437000.0	351500.0
13	176.85313	1	42	436500.0	352000.0	38	144.31438	1	42	436000.0	352500.0
14	173.05701	1	26	438500.0	357500.0	39	143.60129	1	342	436500.0	352500.0
15	169.89447	1	42	437000.0	351500.0	40	142.61349	1	39	436000.0	352000.0
16	169.49985	1	276	436000.0	352500.0	41	141.02750	1	276	439000.0	358500.0
17	168.74008	1	39	437000.0	352500.0	42	140.31720	1	26	436500.0	352500.0
18	166.68620	1	40	437000.0	351500.0	43	140.30334	1	276	438500.0	358500.0
19	165.87082	1	26	436000.0	352000.0	44	139.77802	1	285	436500.0	352000.0
20	164.84349	1	285	437000.0	353000.0	45	135.23041	1	342	438500.0	357500.0
21	162.75117	1	285	438500.0	357500.0	46	132.15814	1	163	438500.0	358000.0
22	159.14125	1	26	436500.0	353000.0	47	130.71545	1	276	439000.0	358000.0
23	158.26517	1	42	437000.0	352000.0	48	128.95193	1	26	438000.0	358000.0
24	154.47813	1	42	436500.0	351500.0	49	128.38014	1	42	436000.0	352000.0
25	154.04944	1	40	437000.0	352000.0	50	128.37054	1	39	437500.0	354500.0

1973

ISCST COARSE GRID ANALYSIS

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

CALCULATE (CONCENTRATION=1,DEPOSITION=2)	ISW(1) = 1
RECEPTOR GRID SYSTEM (RECTANGULAR=1 OR 3, POLAR=2 OR 4)	ISW(2) = 1
DISCRETE RECEPTOR SYSTEM (RECTANGULAR=1,POLAR=2)	ISW(3) = 1
TERRAIN ELEVATIONS ARE READ (YES=1,NO=0)	ISW(4) = 0
CALCULATIONS ARE WRITTEN TO TAPE (YES=1,NO=0)	ISW(5) = 0
LIST ALL INPUT DATA (NO=0,YES=1,MET DATA ALSO=2)	ISW(6) = 1
COMPUTE AVERAGE CONCENTRATION (OR TOTAL DEPOSITION) WITH THE FOLLOWING TIME PERIODS:	
HOURLY (YES=1,NO=0)	ISW(7) = 0
2-HOUR (YES=1,NO=0)	ISW(8) = 0
3-HOUR (YES=1,NO=0)	ISW(9) = 1
4-HOUR (YES=1,NO=0)	ISW(10) = 0
6-HOUR (YES=1,NO=0)	ISW(11) = 0
8-HOUR (YES=1,NO=0)	ISW(12) = 0
12-HOUR (YES=1,NO=0)	ISW(13) = 0
24-HOUR (YES=1,NO=0)	ISW(14) = 1
PRINT 'N'-DAY TABLE(S) (YES=1,NO=0)	ISW(15) = 1
PRINT THE FOLLOWING TYPES OF TABLES WHOSE TIME PERIODS ARE SPECIFIED BY ISW(7) THROUGH ISW(14):	
DAILY TABLES (YES=1,NO=0)	ISW(16) = 0
HIGHEST & SECOND HIGHEST TABLES (YES=1,NO=0)	ISW(17) = 1
MAXIMUM 50 TABLES (YES=1,NO=0)	ISW(18) = 1
METEOROLOGICAL DATA INPUT METHOD (PRE-PROCESSED=1,CARD=2)	ISW(19) = 1
RURAL-URBAN OPTION (RURAL=0,URBAN MODE 1=1,URBAN MODE 2=2)	ISW(20) = 0
WIND PROFILE EXPONENT VALUES (DEFAULTS=1,USER ENTERS=2,3)	ISW(21) = 1
VERTICAL POT. TEMP. GRADIENT VALUES (DEFAULTS=1,USER ENTERS=2,3)	ISW(22) = 1
SCALE EMISSION RATES FOR ALL SOURCES (NO=0,YES>0)	ISW(23) = 0
PROGRAM CALCULATES FINAL PLUME RISE ONLY (YES=1,NO=2)	ISW(24) = 1
PROGRAM ADJUSTS ALL STACK HEIGHTS FOR DOWNWASH (YES=2,NO=1)	ISW(25) = 1
NUMBER OF INPUT SOURCES	NSOURC = 17
NUMBER OF SOURCE GROUPS (=0,ALL SOURCES)	NGROUP = 0
TIME PERIOD INTERVAL TO BE PRINTED (=0,ALL INTERVALS)	IPERD = 0
NUMBER OF X (RANGE) GRID VALUES	NXPNTS = 0
NUMBER OF Y (THETA) GRID VALUES	NYPNTS = 0
NUMBER OF DISCRETE RECEPTORS	NXWYPT = 80
SOURCE EMISSION RATE UNITS CONVERSION FACTOR	TK =.10000E+07
ENTRAINMENT COEFFICIENT FOR UNSTABLE ATMOSPHERE	BETA1 =0.600
ENTRAINMENT COEFFICIENT FOR STABLE ATMOSPHERE	BETA2 =0.600
HEIGHT ABOVE GROUND AT WHICH WIND SPEED WAS MEASURED	ZR = 7.00 METERS
LOGICAL UNIT NUMBER OF METEOROLOGICAL DATA	IMET = 9
DECAY COEFFICIENT FOR PHYSICAL OR CHEMICAL DEPLETION	DECAY =0.000000E+00
SURFACE STATION NO.	ISS = 13889
YEAR OF SURFACE DATA	ISY = 73
UPPER AIR STATION NO.	IUS = 13861
YEAR OF UPPER AIR DATA	IUY = 73
ALLOCATED DATA STORAGE	LIMIT = 43500 WORDS
REQUIRED DATA STORAGE FOR THIS PROBLEM RUN	MIMIT = 5257 WORDS

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COARSE

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

*** METEOROLOGICAL DAYS TO BE PROCESSED ***
(IF=1)

0 0 1 0 0 0 1 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 1 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0
0 0 0 0 1 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0	0 0 0 1 0 0 0 0 0 0	0 0 0 0 0 0 0 1 1 0	0 0 0 0 0 0 0 0 0 0	0 0 0 1 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0	0 0 0 0 1 0 0 0 0 0	0 0 1 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0			

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** WIND PROFILE EXPONENTS ***

STABILITY CATEGORY	WIND SPEED CATEGORY 1	2	3	4	5	6
A	.10000E+00	.10000E+00	.10000E+00	.10000E+00	.10000E+00	.10000E+00
B	.15000E+00	.15000E+00	.15000E+00	.15000E+00	.15000E+00	.15000E+00
C	.20000E+00	.20000E+00	.20000E+00	.20000E+00	.20000E+00	.20000E+00
D	.25000E+00	.25000E+00	.25000E+00	.25000E+00	.25000E+00	.25000E+00
E	.30000E+00	.30000E+00	.30000E+00	.30000E+00	.30000E+00	.30000E+00
F	.30000E+00	.30000E+00	.30000E+00	.30000E+00	.30000E+00	.30000E+00

*** VERTICAL POTENTIAL TEMPERATURE GRADIENTS ***
(DEGREES KELVIN PER METER)

STABILITY CATEGORY	WIND SPEED CATEGORY 1	2	3	4	5	6
A	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
B	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
C	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
D	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
E	.20000E-01	.20000E-01	.20000E-01	.20000E-01	.20000E-01	.20000E-01
F	.35000E-01	.35000E-01	.35000E-01	.35000E-01	.35000E-01	.35000E-01

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

*** X,Y COORDINATES OF DISCRETE RECEPTORS ***
(METERS)

(440500.0, 361500.0),	(441000.0, 361500.0),	(441500.0, 361500.0),	(440000.0, 361000.0),	(440500.0, 361000.0),
(441000.0, 361000.0),	(441500.0, 361000.0),	(440000.0, 360500.0),	(440500.0, 360500.0),	(441000.0, 360500.0),
(441500.0, 360500.0),	(442000.0, 360500.0),	(440000.0, 360000.0),	(440500.0, 360000.0),	(441000.0, 360000.0),
(441500.0, 360000.0),	(442000.0, 360000.0),	(440500.0, 359500.0),	(441000.0, 359500.0),	(441500.0, 359500.0),
(442000.0, 359500.0),	(441000.0, 359000.0),	(441500.0, 359000.0),	(438500.0, 359000.0),	(439000.0, 359000.0),
(439500.0, 359000.0),	(438000.0, 358500.0),	(438500.0, 358500.0),	(439000.0, 358500.0),	(439500.0, 358500.0),
(440000.0, 358500.0),	(438000.0, 358000.0),	(438500.0, 358000.0),	(439000.0, 358000.0),	(439500.0, 358000.0),
(440000.0, 358000.0),	(438500.0, 357500.0),	(439000.0, 357500.0),	(439500.0, 357500.0),	(440000.0, 357500.0),
(439000.0, 357000.0),	(439500.0, 357000.0),	(438000.0, 355500.0),	(438500.0, 355500.0),	(437500.0, 355000.0),
(438000.0, 355000.0),	(438500.0, 355000.0),	(439000.0, 355000.0),	(437500.0, 354500.0),	(438000.0, 354500.0),
(438500.0, 354500.0),	(439000.0, 354500.0),	(439500.0, 354500.0),	(437500.0, 354000.0),	(438000.0, 354000.0),
(438500.0, 354000.0),	(439000.0, 354000.0),	(439500.0, 354000.0),	(438000.0, 353500.0),	(438500.0, 353500.0),
(439000.0, 353500.0),	(437000.0, 353500.0),	(436500.0, 353000.0),	(437000.0, 353000.0),	(437500.0, 353000.0),
(438000.0, 353000.0),	(436000.0, 352500.0),	(436500.0, 352500.0),	(437000.0, 352500.0),	(437500.0, 352500.0),
(438000.0, 352500.0),	(436000.0, 352000.0),	(436500.0, 352000.0),	(437008.0, 352000.0),	(437500.0, 352000.0),
(438000.0, 352000.0),	(436500.0, 351500.0),	(437000.0, 351500.0),	(437500.0, 351500.0),	(438000.0, 351500.0),
(				

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

*** SOURCE DATA ***

SOURCE NUMBER	TYPE	WAKE	NUMBER PART. CATS.	EMISSION RATE TYPE=0,1 (GRAMS/SEC) TYPE=2 (GRAMS/SEC) *PER METER**2	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	HEIGHT (METERS)	TEMP. TYPE=0 (DEG.K); VERT.DIM TYPE=1 (METERS)	EXIT VEL. TYPE=0 (M/SEC); HORZ.DIM TYPE=1,2 (METERS)	DIAMETER TYPE=0 (METERS)	BLDG. HEIGHT TYPE=0 (METERS)	BLDG. LENGTH TYPE=0 (METERS)	BLDG. WIDTH TYPE=0 (METERS)
1	0	0	0	0.11766E+04	446900.0	366300.0	0.0	194.20	327.60	18.29	10.13	0.00	0.00	0.00
2	0	0	0	0.70570E+03	446900.0	364900.0	0.0	76.20	401.00	20.10	5.03	0.00	0.00	0.00
3	0	0	0	0.70570E+03	446900.0	364900.0	0.0	91.40	408.20	8.50	5.33	0.00	0.00	0.00
4	0	0	0	0.12556E+04	446900.0	364900.0	0.0	106.70	438.80	19.20	7.01	0.00	0.00	0.00
5	0	0	0	0.23160E+03	446900.0	364900.0	0.0	10.10	779.80	18.30	6.56	0.00	0.00	0.00
6	0	0	0	0.13180E+03	437670.0	353900.0	0.0	40.70	433.20	11.70	2.44	0.00	0.00	0.00
7	0	0	0	0.90600E+02	437670.0	353900.0	0.0	40.70	406.50	10.30	3.05	0.00	0.00	0.00
8	0	0	0	0.11030E+03	437670.0	353900.0	0.0	43.70	422.10	11.80	3.35	0.00	0.00	0.00
9	0	0	0	0.20970E+03	437670.0	353900.0	0.0	44.20	416.50	13.70	3.05	0.00	0.00	0.00
10	0	0	0	0.16520E+03	440080.0	359150.0	0.0	45.70	414.30	7.80	3.20	0.00	0.00	0.00
11	0	0	0	0.20480E+03	440080.0	359150.0	0.0	41.50	405.40	15.50	2.74	0.00	0.00	0.00
12	0	0	0	0.19120E+03	440080.0	359150.0	0.0	13.70	714.30	8.80	5.84	0.00	0.00	0.00
13	0	0	0	0.13800E+02	440080.0	359150.0	0.0	6.30	766.50	11.80	3.13	0.00	0.00	0.00
14	0	0	0	0.20840E+03	441800.0	365600.0	0.0	32.30	433.00	16.10	2.13	0.00	0.00	0.00
15	0	0	0	0.82200E+02	437900.0	366800.0	0.0	15.90	505.00	8.60	1.37	0.00	0.00	0.00
16	0	0	0	0.54400E+02	439900.0	359300.0	0.0	76.20	477.00	9.20	3.78	0.00	0.00	0.00
17	0	0	0	0.25600E+02	447040.0	366570.0	0.0	85.40	441.00	12.20	2.08	0.00	0.00	0.00

Source NO.	Source Name
1	SJRPP Units 1 & 2
2	Northside Unit 1
3	Northside Unit 2
4	Northside Unit 3
5	Northside CT 3, 4, 5, 6
6	Southside Units 1 & 2
7	Southside Unit 3
8	Southside Unit 4
9	Southside Unit 5
10	Kennedy Units 8 & 9
11	Kennedy Unit 10
12	Kennedy CT 3, 4, 5, 6
13	Kennedy CT 1
14	St. Regis (All major sources)
15	Anheuser Busch (All major sources)
16	Alton Box Board (All major sources)
17	SJRPP Aux. Boiler

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* HIGHEST 3-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE DISCRETE RECEPTOR POINTS *

- X -	- Y -	CON.	(DAY,PER.)	- X -	- Y -	CON.	(DAY,PER.)
440500.0	361500.0	322.00415	(278, 5)	441000.0	361500.0	331.98480	(278, 5)
441500.0	361500.0	247.36746	(278, 5)	440000.0	361000.0	322.56366	(278, 5)
440500.0	361000.0	274.58716	(278, 5)	441000.0	361000.0	204.72836	(205, 3)
441500.0	361000.0	284.50461	(279, 5)	440000.0	360500.0	205.71600	(278, 5)
440500.0	360500.0	226.00446	(279, 5)	441000.0	360500.0	307.52667	(279, 5)
441500.0	360500.0	270.10251	(279, 5)	442000.0	360500.0	260.12598	(323, 5)
440000.0	360000.0	264.23590	(279, 5)	440500.0	360000.0	308.83527	(279, 5)
441000.0	360000.0	241.58282	(279, 5)	441500.0	360000.0	269.91611	(323, 5)
442000.0	360000.0	303.99600	(323, 5)	440500.0	359500.0	212.83733	(279, 5)
441000.0	359500.0	275.07388	(323, 5)	441500.0	359500.0	301.47250	(323, 5)
442000.0	359500.0	263.08160	(323, 1)	441000.0	359000.0	297.23221	(323, 5)
441500.0	359000.0	265.62595	(323, 1)	438500.0	359000.0	242.50420	(279, 5)
439000.0	359000.0	291.81461	(279, 5)	439500.0	359000.0	275.65305	(279, 5)
438000.0	358500.0	259.61102	(279, 5)	438500.0	358500.0	287.65784	(279, 5)
439000.0	358500.0	330.92151	(279, 5)	439500.0	358500.0	283.46255	(323, 5)
440000.0	358500.0	276.72372	(323, 5)	438000.0	358000.0	428.70447	(278, 5)
438500.0	358000.0	600.89490	(279, 5)	439000.0	358000.0	429.43567	(323, 5)
439500.0	358000.0	277.22479	(323, 5)	440000.0	358000.0	286.27621	(323, 5)
438500.0	357500.0	485.20856	(323, 5)	439000.0	357500.0	312.30249	(323, 5)
439500.0	357500.0	280.16510	(323, 5)	440000.0	357500.0	250.04895	(323, 5)
439000.0	357000.0	283.86453	(3, 5)	439500.0	357000.0	245.62408	(323, 5)
438000.0	355500.0	253.31346	(278, 4)	438500.0	355500.0	304.13184	(294, 2)
437500.0	355000.0	238.06326	(323, 5)	438000.0	355000.0	256.04041	(279, 3)
438500.0	355000.0	325.09149	(294, 2)	439000.0	355000.0	242.18756	(59, 2)
437500.0	354500.0	238.66998	(278, 4)	438000.0	354500.0	277.29181	(279, 3)
438500.0	354500.0	256.56085	(294, 2)	439000.0	354500.0	227.52148	(7, 7)
439500.0	354500.0	256.72766	(278, 3)	437500.0	354000.0	253.13541	(279, 3)
438000.0	354000.0	294.45288	(294, 2)	438500.0	354000.0	234.99081	(7, 5)
439000.0	354000.0	195.57944	(7, 7)	439500.0	354000.0	261.14093	(278, 3)
438000.0	353500.0	272.86969	(294, 2)	438500.0	353500.0	206.59625	(7, 5)
439000.0	353500.0	171.94682	(315, 5)	437000.0	353500.0	217.73466	(278, 4)
436500.0	353000.0	457.16586	(279, 5)	437000.0	353000.0	319.68286	(59, 2)
437500.0	353000.0	254.55875	(279, 3)	438000.0	353000.0	243.94598	(294, 8)
436000.0	352500.0	414.64560	(279, 5)	436500.0	352500.0	520.10284	(59, 2)
437000.0	352500.0	296.14258	(294, 2)	437500.0	352500.0	256.21811	(294, 2)
438000.0	352500.0	229.11606	(294, 8)	436000.0	352000.0	535.51361	(59, 2)
436500.0	352000.0	452.93304	(294, 3)	437000.0	352000.0	477.31073	(294, 2)
437500.0	352000.0	243.71405	(315, 7)	438000.0	352000.0	210.75735	(264, 3)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* HIGHEST 3-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE DISCRETE RECEPTOR POINTS *

- X -	- Y -	CON.	(DAY,PER.)	- X -	- Y -	CON.	(DAY,PER.)
436500.0	351500.0	357.07068	(294, 3)	437000.0	351500.0	361.68475	(294, 2)
437500.0	351500.0	254.87071	(315, 7)	438000.0	351500.0	176.44603	(7, 8)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* SECOND HIGHEST 3-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE DISCRETE RECEPTOR POINTS *

- X -	- Y -	CON.	(DAY,PER.)	- X -	- Y -	CON.	(DAY,PER.)
440500.0	361500.0	133.85072	(294, 2)	441000.0	361500.0	129.90282	(205, 6)
441500.0	361500.0	175.55972	(205, 3)	440000.0	361000.0	175.90469	(294, 2)
440500.0	361000.0	155.34435	(205, 3)	441000.0	361000.0	172.22574	(279, 5)
441500.0	361000.0	227.27444	(205, 3)	440000.0	360500.0	182.80365	(205, 3)
440500.0	360500.0	220.78954	(205, 3)	441000.0	360500.0	223.75432	(279, 4)
441500.0	360500.0	196.62254	(294, 4)	442000.0	360500.0	162.37103	(264, 3)
440000.0	360000.0	224.81451	(205, 3)	440500.0	360000.0	221.54727	(279, 4)
441000.0	360000.0	199.22691	(294, 4)	441500.0	360000.0	156.55513	(264, 3)
442000.0	360000.0	278.24210	(323, 1)	440500.0	359500.0	210.42917	(323, 5)
441000.0	359500.0	149.74956	(264, 3)	441500.0	359500.0	197.15143	(323, 1)
442000.0	359500.0	262.83099	(323, 5)	441000.0	359000.0	171.33014	(278, 6)
441500.0	359000.0	261.04651	(323, 5)	438500.0	359000.0	216.75693	(205, 3)
439000.0	359000.0	222.61484	(264, 5)	439500.0	359000.0	215.47301	(264, 3)
438000.0	358500.0	213.52692	(205, 3)	438500.0	358500.0	250.22423	(205, 4)
439000.0	358500.0	299.53128	(278, 5)	439500.0	358500.0	256.84900	(264, 3)
440000.0	358500.0	191.13071	(264, 3)	438000.0	358000.0	314.11676	(279, 5)
438500.0	358000.0	431.44556	(279, 4)	439000.0	358000.0	305.97949	(3, 5)
439500.0	358000.0	239.90155	(264, 3)	440000.0	358000.0	180.44025	(315, 3)
438500.0	357500.0	292.82648	(278, 6)	439000.0	357500.0	242.59990	(278, 3)
439500.0	357500.0	237.65520	(3, 5)	440000.0	357500.0	184.62842	(278, 6)
439000.0	357000.0	275.52774	(323, 5)	439500.0	357000.0	217.56125	(7, 5)
438000.0	355500.0	247.22504	(3, 3)	438500.0	355500.0	276.06253	(3, 5)
437500.0	355000.0	237.34660	(278, 4)	438000.0	355000.0	213.88300	(278, 4)
438500.0	355000.0	250.40538	(3, 5)	439000.0	355000.0	236.50464	(7, 7)
437500.0	354500.0	221.75218	(3, 3)	438000.0	354500.0	254.38200	(294, 2)
438500.0	354500.0	249.32384	(294, 8)	439000.0	354500.0	212.45738	(59, 2)
439500.0	354500.0	200.82367	(315, 7)	437500.0	354000.0	206.07422	(59, 2)
438000.0	354000.0	262.96002	(279, 3)	438500.0	354000.0	220.32268	(59, 2)
439000.0	354000.0	170.08122	(315, 5)	439500.0	354000.0	199.92679	(315, 7)
438000.0	353500.0	234.87292	(294, 8)	438500.0	353500.0	181.81767	(294, 8)
439000.0	353500.0	171.78622	(278, 3)	437000.0	353500.0	215.02678	(279, 3)
436500.0	353000.0	298.61765	(279, 4)	437000.0	353000.0	295.91534	(59, 5)
437500.0	353000.0	253.93051	(294, 2)	438000.0	353000.0	216.48326	(294, 2)
436000.0	352500.0	336.10150	(279, 4)	436500.0	352500.0	493.24243	(59, 5)
437000.0	352500.0	284.71552	(315, 5)	437500.0	352500.0	223.27745	(279, 3)
438000.0	352500.0	222.03618	(264, 3)	436000.0	352000.0	519.96521	(59, 5)
436500.0	352000.0	444.95953	(315, 5)	437000.0	352000.0	331.57294	(294, 8)
437500.0	352000.0	237.02989	(294, 8)	438000.0	352000.0	203.16241	(294, 8)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* SECOND HIGHEST 3-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE DISCRETE RECEPTOR POINTS *

- X -	- Y -	CON.	(DAY,PER.)	- X -	- Y -	CON.	(DAY,PER.)
436500.0	351500.0	340.34283	(315, 5)	437000.0	351500.0	352.58432	(294, 8)
437500.0	351500.0	241.72134	(294, 8)	438000.0	351500.0	175.41687	(264, 3)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* 50 MAXIMUM 3-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *

* FROM ALL SOURCES *

RANK	CON.	PER.	DAY	X OR RANGE (METERS)	Y(METERS) OR DIRECTION (DEGREES)	RANK	CON.	PER.	DAY	X OR RANGE (METERS)	Y(METERS) OR DIRECTION (DEGREES)
1	600.89490	5	279	438500.0	358000.0	26	361.68475	2	294	437000.0	351500.0
2	535.51361	2	59	436000.0	352000.0	27	357.07068	3	294	436500.0	351500.0
3	520.10284	2	59	436500.0	352500.0	28	355.82639	6	315	436500.0	352000.0
4	519.96521	5	59	436000.0	352000.0	29	352.71796	7	7	436000.0	352000.0
5	493.24243	5	59	436500.0	352500.0	30	352.58432	8	294	437000.0	351500.0
6	485.20856	5	323	438500.0	357500.0	31	351.24854	3	59	436000.0	352000.0
7	477.31073	2	294	437000.0	352000.0	32	343.74652	5	323	436500.0	352500.0
8	457.16586	5	279	436500.0	353000.0	33	341.38690	4	59	436500.0	352500.0
9	452.93304	3	294	436500.0	352000.0	34	340.34283	5	315	436500.0	351500.0
10	444.95953	5	315	436500.0	352000.0	35	336.10150	4	279	436000.0	352500.0
11	431.44556	4	279	438500.0	358000.0	36	332.04770	4	294	436000.0	352500.0
12	429.43567	5	323	439000.0	358000.0	37	332.01855	5	3	436500.0	351500.0
13	428.70447	5	278	438000.0	358000.0	38	331.98480	5	278	441000.0	361500.0
14	423.01196	4	315	436500.0	352000.0	39	331.57294	8	294	437000.0	352000.0
15	420.54492	4	294	438500.0	358000.0	40	331.16840	6	278	436000.0	352000.0
16	417.92737	4	278	436500.0	352000.0	41	330.92151	5	279	439000.0	358500.0
17	414.64560	5	279	436000.0	352500.0	42	329.52118	2	294	436500.0	351500.0
18	397.68140	5	323	436000.0	352000.0	43	326.46133	5	7	436000.0	352000.0
19	390.23181	6	279	436000.0	352000.0	44	326.14771	5	3	437000.0	352000.0
20	386.35739	6	279	436500.0	352500.0	45	325.09149	2	294	438500.0	355000.0
21	380.78760	4	278	436000.0	352000.0	46	322.56366	5	278	440000.0	361000.0
22	369.56317	3	205	438500.0	358000.0	47	322.00415	5	278	440500.0	361500.0
23	367.42465	4	278	436500.0	352500.0	48	320.80145	3	279	436500.0	351500.0
24	364.45361	2	7	436000.0	352000.0	49	319.68286	2	59	437000.0	353000.0
25	364.20578	3	59	436500.0	352500.0	50	318.77530	4	59	436000.0	352000.0

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE DISCRETE RECEPTOR POINTS *

- X -	- Y -	CON.	(DAY,PER.)	- X -	- Y -	CON.	(DAY,PER.)
440500.0	361500.0	52.14711	(278, 1)	441000.0	361500.0	54.27247	(278, 1)
441500.0	361500.0	56.89033	(279, 1)	440000.0	361000.0	60.56355	(294, 1)
440500.0	361000.0	54.78568	(279, 1)	441000.0	361000.0	69.36052	(279, 1)
441500.0	361000.0	84.34978	(279, 1)	440000.0	360500.0	70.87299	(279, 1)
440500.0	360500.0	75.88243	(279, 1)	441000.0	360500.0	88.81647	(279, 1)
441500.0	360500.0	81.47879	(279, 1)	442000.0	360500.0	63.24629	(279, 1)
440000.0	360000.0	86.05952	(279, 1)	440500.0	360000.0	89.48909	(279, 1)
441000.0	360000.0	77.06812	(279, 1)	441500.0	360000.0	66.87787	(279, 1)
442000.0	360000.0	79.61215	(323, 1)	440500.0	359500.0	77.51804	(279, 1)
441000.0	359500.0	63.66956	(279, 1)	441500.0	359500.0	69.92089	(323, 1)
442000.0	359500.0	83.63495	(59, 1)	441000.0	359000.0	64.19327	(7, 1)
441500.0	359000.0	79.58591	(59, 1)	438500.0	359000.0	83.52610	(205, 1)
439000.0	359000.0	112.97829	(279, 1)	439500.0	359000.0	111.50645	(279, 1)
438000.0	358500.0	88.12343	(205, 1)	438500.0	358500.0	103.32974	(205, 1)
439000.0	358500.0	139.60307	(279, 1)	439500.0	358500.0	111.64253	(279, 1)
440000.0	358500.0	63.80999	(279, 1)	438000.0	358000.0	139.49989	(279, 1)
438500.0	358000.0	186.99603	(279, 1)	439000.0	358000.0	141.63745	(279, 1)
439500.0	358000.0	97.88818	(279, 1)	440000.0	358000.0	76.72439	(7, 1)
438500.0	357500.0	152.23361	(279, 1)	439000.0	357500.0	114.37112	(7, 1)
439500.0	357500.0	95.93645	(279, 1)	440000.0	357500.0	88.10501	(7, 1)
439000.0	357000.0	104.17342	(294, 1)	439500.0	357000.0	122.27444	(7, 1)
438000.0	355500.0	116.57354	(7, 1)	438500.0	355500.0	116.37122	(294, 1)
437500.0	355000.0	130.43375	(7, 1)	438000.0	355000.0	110.93045	(59, 1)
438500.0	355000.0	119.37733	(59, 1)	439000.0	355000.0	126.15932	(59, 1)
437500.0	354500.0	110.87764	(7, 1)	438000.0	354500.0	123.76717	(59, 1)
438500.0	354500.0	126.50314	(59, 1)	439000.0	354500.0	112.64406	(7, 1)
439500.0	354500.0	99.85250	(315, 1)	437500.0	354000.0	118.85802	(59, 1)
438000.0	354000.0	127.41152	(59, 1)	438500.0	354000.0	118.50624	(59, 1)
439000.0	354000.0	100.89046	(7, 1)	439500.0	354000.0	103.55117	(315, 1)
438000.0	353500.0	119.73016	(59, 1)	438500.0	353500.0	108.99023	(7, 1)
439000.0	353500.0	87.50465	(7, 1)	437000.0	353500.0	117.29031	(59, 1)
436500.0	353000.0	166.69232	(279, 1)	437000.0	353000.0	178.26114	(59, 1)
437500.0	353000.0	114.65582	(59, 1)	438000.0	353000.0	103.25320	(59, 1)
436000.0	352500.0	180.87070	(279, 1)	436500.0	352500.0	264.56842	(59, 1)
437000.0	352500.0	125.55347	(294, 1)	437500.0	352500.0	105.48394	(294, 1)
438000.0	352500.0	101.06213	(7, 1)	436000.0	352000.0	277.50391	(59, 1)
436500.0	352000.0	166.46146	(59, 1)	437000.0	352000.0	164.73199	(294, 1)
437500.0	352000.0	106.88499	(294, 1)	438000.0	352000.0	93.30394	(7, 1)

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SGROUP# 1
*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE DISCRETE RECEPTOR POINTS *

- X -	- Y -	CON.	(DAY,PER.)	- X -	- Y -	CON.	(DAY,PER.)
436500.0	351500.0	156.06030	(294, 1)	437000.0	351500.0	139.74402	(294, 1)
437500.0	351500.0	108.17181	(315, 1)	438000.0	351500.0	83.79280	(315, 1)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* SECOND HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE DISCRETE RECEPTOR POINTS *

- X -	- Y -	CON.	(DAY,PER.)	- X -	- Y -	CON.	(DAY,PER.)
440500.0	361500.0	46.54774	(294, 1)	441000.0	361500.0	48.70855	(279, 1)
441500.0	361500.0	54.25879	(205, 1)	440000.0	361000.0	60.41775	(279, 1)
440500.0	361000.0	48.45556	(205, 1)	441000.0	361000.0	52.98751	(205, 1)
441500.0	361000.0	52.62576	(205, 1)	440000.0	360500.0	63.36343	(294, 1)
440500.0	360500.0	50.72436	(205, 1)	441000.0	360500.0	48.43515	(3, 1)
441500.0	360500.0	45.00079	(3, 1)	442000.0	360500.0	57.69975	(323, 1)
440000.0	360000.0	59.38523	(294, 1)	440500.0	360000.0	46.35749	(7, 1)
441000.0	360000.0	52.66552	(3, 1)	441500.0	360000.0	53.90998	(3, 1)
442000.0	360000.0	61.02394	(279, 1)	440500.0	359500.0	52.03133	(3, 1)
441000.0	359500.0	60.25533	(3, 1)	441500.0	359500.0	66.40648	(279, 1)
442000.0	359500.0	72.64474	(7, 1)	441000.0	359000.0	62.57072	(279, 1)
441500.0	359000.0	75.11820	(7, 1)	438500.0	359000.0	82.34569	(279, 1)
439000.0	359000.0	62.22505	(294, 1)	439500.0	359000.0	65.70319	(294, 1)
438000.0	358500.0	85.92735	(279, 1)	438500.0	358500.0	99.37321	(279, 1)
439000.0	358500.0	95.68660	(205, 1)	439500.0	358500.0	72.21061	(264, 1)
440000.0	358500.0	62.70111	(7, 1)	438000.0	358000.0	95.04210	(278, 1)
438500.0	358000.0	94.26900	(3, 1)	439000.0	358000.0	102.68752	(7, 1)
439500.0	358000.0	82.52824	(278, 1)	440000.0	358000.0	67.01890	(279, 1)
438500.0	357500.0	129.00748	(7, 1)	439000.0	357500.0	110.08900	(278, 1)
439500.0	357500.0	94.58171	(7, 1)	440000.0	357500.0	83.86185	(59, 1)
439000.0	357000.0	103.50711	(278, 1)	439500.0	357000.0	86.66915	(279, 1)
438000.0	355500.0	98.80868	(294, 1)	438500.0	355500.0	103.22723	(7, 1)
437500.0	355000.0	96.30566	(59, 1)	438000.0	355000.0	102.82031	(7, 1)
438500.0	355000.0	114.30699	(294, 1)	439000.0	355000.0	121.83291	(7, 1)
437500.0	354500.0	103.30661	(59, 1)	438000.0	354500.0	100.15749	(294, 1)
438500.0	354500.0	114.49532	(7, 1)	439000.0	354500.0	111.97515	(59, 1)
439500.0	354500.0	80.38575	(7, 1)	437500.0	354000.0	99.52345	(7, 1)
438000.0	354000.0	103.17715	(294, 1)	438500.0	354000.0	114.02538	(7, 1)
439000.0	354000.0	89.31770	(59, 1)	439500.0	354000.0	78.80009	(278, 1)
438000.0	353500.0	103.75491	(7, 1)	438500.0	353500.0	101.05135	(59, 1)
439000.0	353500.0	87.33742	(315, 1)	437000.0	353500.0	105.06509	(7, 1)
436500.0	353000.0	146.13319	(59, 1)	437000.0	353000.0	121.53332	(7, 1)
437500.0	353000.0	97.90152	(7, 1)	438000.0	353000.0	103.24117	(7, 1)
436000.0	352500.0	172.05551	(59, 1)	436500.0	352500.0	191.25192	(7, 1)
437000.0	352500.0	120.43579	(59, 1)	437500.0	352500.0	98.75633	(315, 1)
438000.0	352500.0	84.81210	(59, 1)	436000.0	352000.0	228.06787	(7, 1)
436500.0	352000.0	156.57585	(315, 1)	437000.0	352000.0	118.45152	(7, 1)
437500.0	352000.0	106.84839	(315, 1)	438000.0	352000.0	76.36385	(294, 1)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* SECOND HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE DISCRETE RECEPTOR POINTS *

- X -	- Y -	CON.	(DAY,PER.)	- X -	- Y -	CON.	(DAY,PER.)
436500.0	351500.0	117.95309	(315, 1)	437000.0	351500.0	136.43198	(7, 1)
437500.0	351500.0	103.36328	(294, 1)	438000.0	351500.0	82.95727	(7, 1)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* 50 MAXIMUM 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *

* FROM ALL SOURCES *

RANK	CON.	PER.	DAY	X OR RANGE (METERS)	Y(METERS) OR DIRECTION (DEGREES)	RANK	CON.	PER.	DAY	X OR RANGE (METERS)	Y(METERS) OR DIRECTION (DEGREES)
1	277.50391	1	59	436000.0	352000.0	26	133.19205	1	294	436500.0	352000.0
2	264.56842	1	59	436500.0	352500.0	27	130.43375	1	7	437500.0	355000.0
3	228.06787	1	7	436000.0	352000.0	28	129.33102	1	278	436500.0	352500.0
4	191.25192	1	7	436500.0	352500.0	29	129.00748	1	7	438500.0	357500.0
5	186.99603	1	279	438500.0	358000.0	30	128.73982	1	7	436500.0	353000.0
6	180.87070	1	279	436000.0	352500.0	31	127.91920	1	279	436500.0	352500.0
7	178.26114	1	59	437000.0	353000.0	32	127.43387	1	278	436000.0	352000.0
8	172.05551	1	59	436000.0	352500.0	33	127.41152	1	59	438000.0	354000.0
9	166.69232	1	279	436500.0	353000.0	34	126.50314	1	59	438500.0	354500.0
10	166.46146	1	59	436500.0	352000.0	35	126.15932	1	59	439000.0	355000.0
11	164.73199	1	294	437000.0	352000.0	36	125.55347	1	294	437000.0	352500.0
12	164.06300	1	7	436000.0	352500.0	37	125.20570	1	3	436500.0	352500.0
13	156.57585	1	315	436500.0	352000.0	38	124.94290	1	278	436500.0	352000.0
14	156.06030	1	294	436500.0	351500.0	39	123.76717	1	59	438000.0	354500.0
15	155.71843	1	7	436500.0	352000.0	40	122.80627	1	59	438500.0	357500.0
16	152.23361	1	279	438500.0	357500.0	41	122.27444	1	7	439500.0	357000.0
17	147.87177	1	3	436000.0	352000.0	42	121.83291	1	7	439000.0	355000.0
18	146.13319	1	59	436500.0	353000.0	43	121.53332	1	7	437000.0	353000.0
19	141.68961	1	279	436000.0	352000.0	44	120.43579	1	59	437000.0	352500.0
20	141.63745	1	279	439000.0	358000.0	45	119.73016	1	59	438000.0	353500.0
21	139.74402	1	294	437000.0	351500.0	46	119.37733	1	59	438500.0	355000.0
22	139.60307	1	279	439000.0	358500.0	47	118.85802	1	59	437500.0	354000.0
23	139.49989	1	279	438000.0	358000.0	48	118.73088	1	3	438500.0	357500.0
24	137.89052	1	3	436000.0	352500.0	49	118.50624	1	59	438500.0	354000.0
25	136.43198	1	7	437000.0	351500.0	50	118.45152	1	7	437000.0	352000.0

1974

ISCST COARSE GRID ANALYSIS

$ T ISCSTOT74.DAT

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

CALCULATE (CONCENTRATION=1,DEPOSITION=2)	ISW(1) = 1
RECEPTOR GRID SYSTEM (RECTANGULAR=1 OR 3, POLAR=2 OR 4)	ISW(2) = 1
DISCRETE RECEPTOR SYSTEM (RECTANGULAR=1,POLAR=2)	ISW(3) = 1
TERRAIN ELEVATIONS ARE READ (YES=1,NO=0)	ISW(4) = 0
CALCULATIONS ARE WRITTEN TO TAPE (YES=1,NO=0)	ISW(5) = 0
LIST ALL INPUT DATA (NO=0,YES=1,MET DATA ALSO=2)	ISW(6) = 1
COMPUTE AVERAGE CONCENTRATION (OR TOTAL DEPOSITION) WITH THE FOLLOWING TIME PERIODS:	
HOURLY (YES=1,NO=0)	ISW(7) = 0
2-HOUR (YES=1,NO=0)	ISW(8) = 0
3-HOUR (YES=1,NO=0)	ISW(9) = 1
4-HOUR (YES=1,NO=0)	ISW(10) = 0
6-HOUR (YES=1,NO=0)	ISW(11) = 0
8-HOUR (YES=1,NO=0)	ISW(12) = 0
12-HOUR (YES=1,NO=0)	ISW(13) = 0
24-HOUR (YES=1,NO=0)	ISW(14) = 1
PRINT 'N'-DAY TABLE(S) (YES=1,NO=0)	ISW(15) = 1
PRINT THE FOLLOWING TYPES OF TABLES WHOSE TIME PERIODS ARE SPECIFIED BY ISW(7) THROUGH ISW(14):	
DAILY TABLES (YES=1,NO=0)	ISW(16) = 0
HIGHEST & SECOND HIGHEST TABLES (YES=1,NO=0)	ISW(17) = 1
MAXIMUM 50 TABLES (YES=1,NO=0)	ISW(18) = 1
METEOROLOGICAL DATA INPUT METHOD (PRE-PROCESSED=1,CARD=2)	ISW(19) = 1
RURAL-URBAN OPTION (RURAL=0,URBAN MODE 1=1,URBAN MODE 2=2)	ISW(20) = 0
WIND PROFILE EXPONENT VALUES (DEFAULTS=1,USER ENTERS=2,3)	ISW(21) = 1
VERTICAL POT. TEMP. GRADIENT VALUES (DEFAULTS=1,USER ENTERS=2,3)	ISW(22) = 1
SCALE EMISSION RATES FOR ALL SOURCES (NO=0,YES>0)	ISW(23) = 0
PROGRAM CALCULATES FINAL PLUME RISE ONLY (YES=1,NO=2)	ISW(24) = 1
PROGRAM ADJUSTS ALL STACK HEIGHTS FOR DOWNWASH (YES=2,NO=1)	ISW(25) = 1
NUMBER OF INPUT SOURCES	NSOURC = 17
NUMBER OF SOURCE GROUPS (=0,ALL SOURCES)	NGROUP = 0
TIME PERIOD INTERVAL TO BE PRINTED (=0,ALL INTERVALS)	IPERD = 0
NUMBER OF X (RANGE) GRID VALUES	NXPNTS = 0
NUMBER OF Y (THETA) GRID VALUES	NYPNTS = 0
NUMBER OF DISCRETE RECEPTORS	NXWYPT = 80
SOURCE EMISSION RATE UNITS CONVERSION FACTOR	TK =.10000E+07
ENTRAINMENT COEFFICIENT FOR UNSTABLE ATMOSPHERE	BETA1 =0.600
ENTRAINMENT COEFFICIENT FOR STABLE ATMOSPHERE	BETA2 =0.600
HEIGHT ABOVE GROUND AT WHICH WIND SPEED WAS MEASURED	ZR = 7.00 METERS
LOGICAL UNIT NUMBER OF METEOROLOGICAL DATA	IMET = 9
DECAY COEFFICIENT FOR PHYSICAL OR CHEMICAL DEPLETION	DECAY =0.000000E+00
SURFACE STATION NO.	ISS = 13889
YEAR OF SURFACE DATA	ISY = 74
UPPER AIR STATION NO.	IUS = 13861
YEAR OF UPPER AIR DATA	IUY = 74
ALLOCATED DATA STORAGE	LIMIT = 43500 WORDS
REQUIRED DATA STORAGE FOR THIS PROBLEM RUN	MIMIT = 5257 WORDS

COARSE

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*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

*** METEOROLOGICAL DAYS TO BE PROCESSED ***
(IF=1)

0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 1	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0
0 1 0 0 0 0 0 0 0 0	0 0 1 0 0 0 0 0 0 0	0 0 0 0 0 0 0 1 1 0	0 0 0 0 1 0 0 0 0 0	0 0 0 0 1 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	1 0 1 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 1	0 0 0 0 0 0			

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** WIND PROFILE EXPONENTS ***

STABILITY	WIND SPEED CATEGORY					
CATEGORY	1	2	3	4	5	6
A	.10000E+00	.10000E+00	.10000E+00	.10000E+00	.10000E+00	.10000E+00
B	.15000E+00	.15000E+00	.15000E+00	.15000E+00	.15000E+00	.15000E+00
C	.20000E+00	.20000E+00	.20000E+00	.20000E+00	.20000E+00	.20000E+00
D	.25000E+00	.25000E+00	.25000E+00	.25000E+00	.25000E+00	.25000E+00
E	.30000E+00	.30000E+00	.30000E+00	.30000E+00	.30000E+00	.30000E+00
F	.30000E+00	.30000E+00	.30000E+00	.30000E+00	.30000E+00	.30000E+00

*** VERTICAL POTENTIAL TEMPERATURE GRADIENTS ***
(DEGREES KELVIN PER METER)

STABILITY	WIND SPEED CATEGORY					
CATEGORY	1	2	3	4	5	6
A	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
B	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
C	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
D	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
E	.20000E-01	.20000E-01	.20000E-01	.20000E-01	.20000E-01	.20000E-01
F	.35000E-01	.35000E-01	.35000E-01	.35000E-01	.35000E-01	.35000E-01

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

*** X,Y COORDINATES OF DISCRETE RECEPTORS ***
(METERS)

(440500.0, 361500.0),	(441000.0, 361500.0),	(441500.0, 361500.0),	(440000.0, 361000.0),	(440500.0, 361000.0),
(441000.0, 361000.0),	(441500.0, 361000.0),	(440000.0, 360500.0),	(440500.0, 360500.0),	(441000.0, 360500.0),
(441500.0, 360500.0),	(442000.0, 360500.0),	(440000.0, 360000.0),	(440500.0, 360000.0),	(441000.0, 360000.0),
(441500.0, 360000.0),	(442000.0, 360000.0),	(440500.0, 359500.0),	(441000.0, 359500.0),	(441500.0, 359500.0),
(442000.0, 359500.0),	(441000.0, 359000.0),	(441500.0, 359000.0),	(438500.0, 359000.0),	(439000.0, 359000.0),
(439500.0, 359000.0),	(438000.0, 358500.0),	(438500.0, 358500.0),	(439000.0, 358500.0),	(439500.0, 358500.0),
(440000.0, 358500.0),	(438000.0, 358000.0),	(438500.0, 358000.0),	(439000.0, 358000.0),	(439500.0, 358000.0),
(440000.0, 358000.0),	(438500.0, 357500.0),	(439000.0, 357500.0),	(439500.0, 357500.0),	(440000.0, 357500.0),
(439000.0, 357000.0),	(439500.0, 357000.0),	(438000.0, 355500.0),	(438500.0, 355500.0),	(437500.0, 355000.0),
(438000.0, 355000.0),	(438500.0, 355000.0),	(439000.0, 355000.0),	(437500.0, 354500.0),	(438000.0, 354500.0),
(438500.0, 354500.0),	(439000.0, 354500.0),	(439500.0, 354500.0),	(437500.0, 354000.0),	(438000.0, 354000.0),
(438500.0, 354000.0),	(439000.0, 354000.0),	(439500.0, 354000.0),	(438000.0, 353500.0),	(438500.0, 353500.0),
(439000.0, 353500.0),	(437000.0, 353500.0),	(436500.0, 353000.0),	(437000.0, 353000.0),	(437500.0, 353000.0),
(438000.0, 353000.0),	(436000.0, 352500.0),	(436500.0, 352500.0),	(437000.0, 352500.0),	(437500.0, 352500.0),
(438000.0, 352500.0),	(436000.0, 352000.0),	(436500.0, 352000.0),	(437000.0, 352000.0),	(437500.0, 352000.0),
(438000.0, 352000.0),	(436500.0, 351500.0),	(437000.0, 351500.0),	(437500.0, 351500.0),	(438000.0, 351500.0),

(

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

*** SOURCE DATA ***

SOURCE NUMBER	TYPE	WAKE	NUMBER PART. CATS.	EMISSION RATE TYPE=0,1 (GRAMS/SEC) TYPE=2 (GRAMS/SEC) *PER METER**2	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	HEIGHT (METERS)	TEMP. TYPE=0 (DEG.K); VERT.DIM TYPE=1 (METERS)	EXIT VEL. TYPE=0 (M/SEC); HORZ.DIM TYPE=1,2 (METERS)	DIAMETER TYPE=0 (METERS)	BLDG. HEIGHT TYPE=0 (METERS)	BLDG. LENGTH TYPE=0 (METERS)	BLDG. WIDTH TYPE=0 (METERS)
1	0	0	0	0.11766E+04	446900.0	366300.0	0.0	194.20	327.60	18.29	10.13	0.00	0.00	0.00
2	0	0	0	0.70570E+03	446900.0	364900.0	0.0	76.20	401.00	20.10	5.03	0.00	0.00	0.00
3	0	0	0	0.70570E+03	446900.0	364900.0	0.0	91.40	408.20	8.50	5.33	0.00	0.00	0.00
4	0	0	0	0.12556E+04	446900.0	364900.0	0.0	106.70	438.80	19.20	7.01	0.00	0.00	0.00
5	0	0	0	0.23160E+03	446900.0	364900.0	0.0	10.10	779.80	18.30	6.56	0.00	0.00	0.00
6	0	0	0	0.13180E+03	437670.0	353900.0	0.0	40.70	433.20	11.70	2.44	0.00	0.00	0.00
7	0	0	0	0.90600E+02	437670.0	353900.0	0.0	40.70	406.50	10.30	3.05	0.00	0.00	0.00
8	0	0	0	0.11030E+03	437670.0	353900.0	0.0	43.70	422.10	11.80	3.35	0.00	0.00	0.00
9	0	0	0	0.20970E+03	437670.0	353900.0	0.0	44.20	416.50	13.70	3.05	0.00	0.00	0.00
10	0	0	0	0.16520E+03	440080.0	359150.0	0.0	45.70	414.30	7.80	3.20	0.00	0.00	0.00
11	0	0	0	0.20480E+03	440080.0	359150.0	0.0	41.50	405.40	15.50	2.74	0.00	0.00	0.00
12	0	0	0	0.19120E+03	440080.0	359150.0	0.0	13.70	714.30	8.80	5.84	0.00	0.00	0.00
13	0	0	0	0.13800E+02	440080.0	359150.0	0.0	6.30	766.50	11.80	3.13	0.00	0.00	0.00
14	0	0	0	0.20840E+03	441800.0	365600.0	0.0	32.30	433.00	16.10	2.13	0.00	0.00	0.00
15	0	0	0	0.82200E+02	437900.0	366800.0	0.0	15.90	505.00	8.60	1.37	0.00	0.00	0.00
16	0	0	0	0.54400E+02	439900.0	359300.0	0.0	76.20	477.00	9.20	3.78	0.00	0.00	0.00
17	0	0	0	0.25600E+02	447040.0	366570.0	0.0	85.40	441.00	12.20	2.08	0.00	0.00	0.00

Source NO.	Source Name
1	SJRPP Units 1 & 2
2	Northside Unit 1
3	Northside Unit 2
4	Northside Unit 3
5	Northside CT 3, 4, 5, 6
6	Southside Units 1 & 2
7	Southside Unit 3
8	Southside Unit 4
9	Southside Unit 5
10	Kennedy Units 8 & 9
11	Kennedy Unit 10
12	Kennedy CT 3, 4, 5, 6
13	Kennedy CT 1
14	St. Regis (All major sources)
15	Anheuser Busch (All major sources)
16	Alton Box Board (All major sources)
17	SJRPP Aux. Boiler

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* HIGHEST 3-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE DISCRETE RECEPTOR POINTS *

- X -	- Y -	CON.	(DAY,PER.)	- X -	- Y -	CON.	(DAY,PER.)
440500.0	361500.0	231.78654	(237, 5)	441000.0	361500.0	237.44872	(237, 5)
441500.0	361500.0	217.14568	(237, 5)	440000.0	361000.0	216.98175	(252, 7)
440500.0	361000.0	200.12405	(237, 5)	441000.0	361000.0	171.91843	(237, 5)
441500.0	361000.0	161.15836	(295, 6)	440000.0	360500.0	165.43506	(237, 5)
440500.0	360500.0	184.86356	(252, 7)	441000.0	360500.0	184.37341	(295, 6)
441500.0	360500.0	171.46106	(295, 6)	442000.0	360500.0	205.93228	(360, 6)
440000.0	360000.0	164.13422	(331, 7)	440500.0	360000.0	241.57709	(252, 7)
441000.0	360000.0	164.88184	(295, 6)	441500.0	360000.0	213.71672	(360, 6)
442000.0	360000.0	290.01556	(252, 6)	440500.0	359500.0	178.80716	(360, 6)
441000.0	359500.0	224.27310	(252, 6)	441500.0	359500.0	297.74738	(252, 6)
442000.0	359500.0	278.05597	(252, 6)	441000.0	359000.0	301.68948	(252, 6)
441500.0	359000.0	285.82959	(252, 6)	438500.0	359000.0	271.05200	(237, 5)
439000.0	359000.0	271.30389	(237, 5)	439500.0	359000.0	189.82806	(295, 6)
438000.0	358500.0	355.83350	(263, 1)	438500.0	358500.0	276.72491	(110, 5)
439000.0	358500.0	375.49158	(237, 5)	439500.0	358500.0	215.94072	(360, 6)
440000.0	358500.0	239.75916	(252, 6)	438000.0	358000.0	352.91211	(263, 1)
438500.0	358000.0	365.12546	(295, 6)	439000.0	358000.0	355.21225	(360, 6)
439500.0	358000.0	328.38458	(331, 4)	440000.0	358000.0	301.60159	(252, 6)
438500.0	357500.0	448.92407	(252, 6)	439000.0	357500.0	325.38733	(237, 4)
439500.0	357500.0	298.50256	(252, 6)	440000.0	357500.0	291.50208	(252, 6)
439000.0	357000.0	298.66882	(331, 4)	439500.0	357000.0	310.40704	(278, 3)
438000.0	355500.0	328.30194	(263, 1)	438500.0	355500.0	314.24976	(278, 6)
437500.0	355000.0	289.08563	(252, 6)	438000.0	355000.0	322.45447	(263, 1)
438500.0	355000.0	235.94397	(278, 6)	439000.0	355000.0	261.12744	(278, 3)
437500.0	354500.0	239.75833	(252, 6)	438000.0	354500.0	316.51740	(263, 1)
438500.0	354500.0	226.23936	(279, 6)	439000.0	354500.0	232.97087	(278, 3)
439500.0	354500.0	247.57687	(295, 7)	437500.0	354000.0	223.61455	(278, 4)
438000.0	354000.0	310.54626	(263, 1)	438500.0	354000.0	212.94098	(237, 4)
439000.0	354000.0	267.91873	(295, 7)	439500.0	354000.0	244.91879	(295, 7)
438000.0	353500.0	304.58405	(263, 1)	438500.0	353500.0	220.24841	(237, 4)
439000.0	353500.0	288.57416	(295, 7)	437000.0	353500.0	214.97369	(237, 5)
436500.0	353000.0	253.29791	(237, 5)	437000.0	353000.0	398.83212	(237, 4)
437500.0	353000.0	206.32896	(278, 6)	438000.0	353000.0	298.66425	(263, 1)
436000.0	352500.0	372.85349	(360, 6)	436500.0	352500.0	496.83908	(237, 4)
437000.0	352500.0	619.36609	(331, 4)	437500.0	352500.0	199.12936	(237, 4)
438000.0	352500.0	292.81265	(263, 1)	436000.0	352000.0	476.46472	(252, 6)
436500.0	352000.0	494.19000	(237, 4)	437000.0	352000.0	464.60107	(331, 4)
437500.0	352000.0	201.43669	(237, 4)	438000.0	352000.0	287.04871	(263, 1)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* HIGHEST 3-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
! * FOR THE DISCRETE RECEPTOR POINTS *

- X -	- Y -	CON.	(DAY,PER.)	- X -	- Y -	CON.	(DAY,PER.)
436500.0	351500.0	484.88086	(331, 4)	437000.0	351500.0	415.94806	(278, 3)
437500.0	351500.0	237.19402	(278, 2)	438000.0	351500.0	281.02368	(263, 1)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* SECOND HIGHEST 3-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE DISCRETE RECEPTOR POINTS *

- X -	- Y -	CON.	(DAY,PER.)	- X -	- Y -	CON.	(DAY,PER.)
440500.0	361500.0	215.32034	(263, 6)	441000.0	361500.0	170.92113	(110, 3)
441500.0	361500.0	128.98834	(237, 6)	440000.0	361000.0	210.34579	(237, 5)
440500.0	361000.0	166.19699	(331, 8)	441000.0	361000.0	132.21095	(110, 3)
441500.0	361000.0	132.47258	(237, 5)	440000.0	360500.0	152.25365	(331, 7)
440500.0	360500.0	136.85573	(237, 5)	441000.0	360500.0	140.33682	(331, 8)
441500.0	360500.0	140.91391	(360, 6)	442000.0	360500.0	194.54985	(252, 6)
440000.0	360000.0	158.39458	(295, 6)	440500.0	360000.0	194.61038	(295, 6)
441000.0	360000.0	162.64769	(360, 6)	441500.0	360000.0	211.53329	(252, 6)
442000.0	360000.0	199.41711	(279, 4)	440500.0	359500.0	175.26817	(252, 7)
441000.0	359500.0	217.24968	(360, 6)	441500.0	359500.0	199.39417	(279, 4)
442000.0	359500.0	217.53522	(237, 4)	441000.0	359000.0	213.90752	(252, 7)
441500.0	359000.0	218.48782	(279, 4)	438500.0	359000.0	199.70531	(110, 4)
439000.0	359000.0	190.20195	(295, 6)	439500.0	359000.0	171.38847	(252, 8)
438000.0	358500.0	332.17496	(110, 5)	438500.0	358500.0	276.38492	(237, 5)
439000.0	358500.0	205.41844	(295, 6)	439500.0	358500.0	201.55620	(252, 8)
440000.0	358500.0	216.13956	(360, 6)	438000.0	358000.0	320.18799	(237, 5)
438500.0	358000.0	234.80740	(237, 5)	439000.0	358000.0	355.11813	(252, 6)
439500.0	358000.0	246.91803	(252, 6)	440000.0	358000.0	205.82858	(333, 4)
438500.0	357500.0	420.87521	(360, 6)	439000.0	357500.0	301.49261	(252, 6)
439500.0	357500.0	274.91754	(331, 4)	440000.0	357500.0	209.71713	(279, 4)
439000.0	357000.0	298.31979	(252, 6)	439500.0	357000.0	288.99280	(252, 6)
438000.0	355500.0	285.35483	(252, 6)	438500.0	355500.0	248.50714	(278, 4)
437500.0	355000.0	263.00537	(279, 5)	438000.0	355000.0	248.51801	(278, 4)
438500.0	355000.0	235.15930	(279, 6)	439000.0	355000.0	211.95909	(237, 4)
437500.0	354500.0	238.62436	(279, 2)	438000.0	354500.0	278.54749	(278, 6)
438500.0	354500.0	199.20061	(263, 1)	439000.0	354500.0	227.96605	(237, 4)
439500.0	354500.0	243.08252	(237, 4)	437500.0	354000.0	213.52251	(278, 6)
438000.0	354000.0	230.66312	(278, 6)	438500.0	354000.0	200.32532	(263, 1)
439000.0	354000.0	232.05766	(237, 4)	439500.0	354000.0	230.17430	(237, 4)
438000.0	353500.0	200.33476	(237, 4)	438500.0	353500.0	202.09354	(278, 3)
439000.0	353500.0	224.99956	(237, 4)	437000.0	353500.0	208.54437	(279, 2)
436500.0	353000.0	244.63651	(295, 6)	437000.0	353000.0	316.98157	(279, 7)
437500.0	353000.0	193.48413	(279, 3)	438000.0	353000.0	208.80508	(237, 4)
436000.0	352500.0	322.01791	(295, 6)	436500.0	352500.0	420.35504	(279, 4)
437000.0	352500.0	445.44061	(278, 6)	437500.0	352500.0	195.86009	(279, 3)
438000.0	352500.0	209.60472	(237, 4)	436000.0	352000.0	460.92419	(279, 4)
436500.0	352000.0	481.14294	(279, 7)	437000.0	352000.0	359.67856	(278, 6)
437500.0	352000.0	164.42540	(295, 7)	438000.0	352000.0	207.15276	(331, 7)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* SECOND HIGHEST 3-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE DISCRETE RECEPTOR POINTS *

- X -	- Y -	CON.	(DAY,PER.)	- X -	- Y -	CON.	(DAY,PER.)
436500.0	351500.0	425.65259	(278, 6)	437000.0	351500.0	323.30072	(331, 3)
437500.0	351500.0	197.61301	(237, 4)	438000.0	351500.0	230.54834	(331, 7)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* 50 MAXIMUM 3-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *

$ * FROM ALL SOURCES *

RANK	CON.	PER.	DAY	X OR RANGE (METERS)	Y(METERS) OR DIRECTION (DEGREES)	RANK	CON.	PER.	DAY	X OR RANGE (METERS)	Y(METERS) OR DIRECTION (DEGREES)
1	619.36609	4	331	437000.0	352500.0	26	386.40659	8	279	436500.0	352000.0
2	496.83908	4	237	436500.0	352500.0	27	385.03098	4	278	437000.0	352500.0
3	494.19000	4	237	436500.0	352000.0	28	378.95407	4	333	438500.0	357500.0
4	484.88086	4	331	436500.0	351500.0	29	375.49158	5	237	439000.0	358500.0
5	481.14294	7	279	436500.0	352000.0	30	372.85349	6	360	436000.0	352500.0
6	476.46472	6	252	436000.0	352000.0	31	372.14743	6	279	436000.0	352000.0
7	464.60107	4	331	437000.0	352000.0	32	369.30255	2	279	436000.0	352000.0
8	460.92419	4	279	436000.0	352000.0	33	365.85107	7	278	436500.0	351500.0
9	448.92407	6	252	438500.0	357500.0	34	365.12546	6	295	438500.0	358000.0
10	446.96863	2	279	436500.0	352000.0	35	362.75290	5	295	436000.0	352000.0
11	445.44061	6	278	437000.0	352500.0	36	359.67856	6	278	437000.0	352000.0
12	442.13928	5	279	436000.0	352000.0	37	355.83350	1	263	438000.0	358500.0
13	425.65259	6	278	436500.0	351500.0	38	355.21225	6	360	439000.0	358000.0
14	420.87521	6	360	438500.0	357500.0	39	355.11813	6	252	439000.0	358000.0
15	420.35504	4	279	436500.0	352500.0	40	353.36652	4	279	438500.0	357500.0
16	415.94806	3	278	437000.0	351500.0	41	352.91211	1	263	438000.0	358000.0
17	415.83871	1	279	436000.0	352000.0	42	348.92365	5	360	436000.0	352000.0
18	413.69995	7	360	436000.0	352000.0	43	345.08261	4	278	436500.0	352500.0
19	409.10214	4	237	436000.0	352000.0	44	341.19656	2	279	436500.0	352500.0
20	402.41049	5	360	436500.0	352500.0	45	338.66162	3	279	437000.0	352000.0
21	398.83212	4	237	437000.0	353000.0	46	337.46927	3	279	436500.0	351500.0
22	397.46481	6	279	436500.0	352500.0	47	333.87347	1	279	436500.0	352500.0
23	396.64218	4	278	436500.0	351500.0	48	332.17496	5	110	438000.0	358500.0
24	388.30670	6	252	436500.0	352500.0	49	328.38458	4	331	439500.0	358000.0
25	386.79224	5	279	436500.0	352500.0	50	328.30194	1	263	438000.0	355500.0

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE DISCRETE RECEPTOR POINTS *

- X -	- Y -	CON.	(DAY,PER.)	- X -	- Y -	CON.	(DAY,PER.)
440500.0	361500.0	70.13333	(285, 1)	441000.0	361500.0	48.39106	(237, 1)
441500.0	361500.0	44.36129	(237, 1)	440000.0	361000.0	54.45741	(285, 1)
440500.0	361000.0	59.00741	(331, 1)	441000.0	361000.0	38.87117	(295, 1)
441500.0	361000.0	53.03902	(295, 1)	440000.0	360500.0	48.55576	(331, 1)
440500.0	360500.0	49.25462	(252, 1)	441000.0	360500.0	63.76252	(295, 1)
441500.0	360500.0	64.98949	(295, 1)	442000.0	360500.0	77.68185	(360, 1)
440000.0	360000.0	51.09865	(331, 1)	440500.0	360000.0	61.90421	(295, 1)
441000.0	360000.0	74.63667	(295, 1)	441500.0	360000.0	77.36292	(360, 1)
442000.0	360000.0	86.45797	(279, 1)	440500.0	359500.0	68.89302	(360, 1)
441000.0	359500.0	79.57434	(360, 1)	441500.0	359500.0	86.92380	(279, 1)
442000.0	359500.0	108.09146	(279, 1)	441000.0	359000.0	90.13497	(252, 1)
441500.0	359000.0	107.32967	(279, 1)	438500.0	359000.0	62.38981	(237, 1)
439000.0	359000.0	58.22964	(237, 1)	439500.0	359000.0	65.10252	(295, 1)
438000.0	358500.0	110.07125	(110, 1)	438500.0	358500.0	97.54702	(110, 1)
439000.0	358500.0	72.73378	(237, 1)	439500.0	358500.0	81.59825	(360, 1)
440000.0	358500.0	88.60522	(360, 1)	438000.0	358000.0	96.55575	(263, 1)
438500.0	358000.0	107.27306	(295, 1)	439000.0	358000.0	155.46857	(279, 1)
439500.0	358000.0	132.05515	(279, 1)	440000.0	358000.0	95.43919	(360, 1)
438500.0	357500.0	172.88914	(360, 1)	439000.0	357500.0	201.25572	(279, 1)
439500.0	357500.0	137.74376	(279, 1)	440000.0	357500.0	106.80457	(279, 1)
439000.0	357000.0	182.43582	(279, 1)	439500.0	357000.0	142.43051	(279, 1)
438000.0	355500.0	198.64218	(279, 1)	438500.0	355500.0	157.05118	(278, 1)
437500.0	355000.0	192.97588	(279, 1)	438000.0	355000.0	160.94302	(279, 1)
438500.0	355000.0	140.98846	(278, 1)	439000.0	355000.0	105.41246	(279, 1)
437500.0	354500.0	173.49866	(279, 1)	438000.0	354500.0	139.21555	(278, 1)
438500.0	354500.0	115.97890	(278, 1)	439000.0	354500.0	95.79543	(279, 1)
439500.0	354500.0	87.10256	(279, 1)	437500.0	354000.0		

JJ:B:B:Jb
J

438000.0 354000.0

128.79073	(278, 1)	438500.0	354000.0	100.11562	(279, 1)		
439000.0	354000.0	93.41628	(279, 1)	439500.0	354000.0	90.42892	(279, 1)
438000.0	353500.0	109.00426	(278, 1)	438500.0	353500.0	95.07970	(279, 1)
439000.0	353500.0	94.72273	(279, 1)	437000.0	353500.0	148.21509	(279, 1)
436500.0	353000.0	157.00192	(279, 1)	437000.0	353000.0	216.28561	(279, 1)
437500.0	353000.0	123.63838	(278, 1)	438000.0	353000.0	94.90536	(279, 1)
436000.0	352500.0	174.11349	(279, 1)	436500.0	352500.0	289.32715	(279, 1)
437000.0	352500.0	215.08871	(278, 1)	437500.0	352500.0	114.38327	(278, 1)
438000.0	352500.0	93.63665	(279, 1)	436000.0	352000.0	300.70346	(279, 1)
436500.0	352000.0	288.45782	(279, 1)	437000.0	352000.0	226.94560	(278, 1)
437500.0	352000.0	113.86557	(278, 1)	438000.0	352000.0	94.13095	(279, 1)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE DISCRETE RECEPTOR POINTS *

- X -	- Y -	CON.	(DAY,PER.)	- X -	- Y -	CON.	(DAY,PER.)
436500.0	351500.0	221.20651	(278, 1)	437000.0	351500.0	185.59964	(278, 1)
437500.0	351500.0	118.18765	(278, 1)	438000.0	351500.0	94.73820	(279, 1)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* SECOND HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE DISCRETE RECEPTOR POINTS *

- X -	- Y -	CON.	(DAY,PER.)	- X -	- Y -	CON.	(DAY,PER.)
440500.0	361500.0	59.36013	(331, 1)	441000.0	361500.0	44.79194	(110, 1)
441500.0	361500.0	32.48444	(295, 1)	440000.0	361000.0	48.43383	(278, 1)
440500.0	361000.0	43.22787	(285, 1)	441000.0	361000.0	36.94936	(237, 1)
441500.0	361000.0	28.69841	(237, 1)	440000.0	360500.0	37.09625	(278, 1)
440500.0	360500.0	48.65523	(331, 1)	441000.0	360500.0	37.40297	(331, 1)
441500.0	360500.0	53.04441	(360, 1)	442000.0	360500.0	55.44996	(295, 1)
440000.0	360000.0	39.61294	(295, 1)	440500.0	360000.0	57.80228	(252, 1)
441000.0	360000.0	59.47390	(360, 1)	441500.0	360000.0	63.70335	(295, 1)
442000.0	360000.0	85.32269	(360, 1)	440500.0	359500.0	63.46964	(295, 1)
441000.0	359500.0	73.98362	(295, 1)	441500.0	359500.0	85.83817	(360, 1)
442000.0	359500.0	83.70547	(360, 1)	441000.0	359000.0	88.49388	(279, 1)
441500.0	359000.0	83.74217	(360, 1)	438500.0	359000.0	50.77842	(295, 1)
439000.0	359000.0	49.13122	(295, 1)	439500.0	359000.0	56.36641	(331, 1)
438000.0	358500.0	66.46747	(263, 1)	438500.0	358500.0	74.83786	(295, 1)
439000.0	358500.0	63.47150	(295, 1)	439500.0	358500.0	73.48602	(279, 1)
440000.0	358500.0	64.62354	(295, 1)	438000.0	358000.0	91.29897	(285, 1)
438500.0	358000.0	84.73215	(360, 1)	439000.0	358000.0	135.21382	(360, 1)
439500.0	358000.0	101.41757	(331, 1)	440000.0	358000.0	91.80458	(279, 1)
438500.0	357500.0	169.19687	(279, 1)	439000.0	357500.0	110.18645	(295, 1)
439500.0	357500.0	131.30519	(278, 1)	440000.0	357500.0	95.39822	(360, 1)
439000.0	357000.0	137.34464	(278, 1)	439500.0	357000.0	118.68375	(278, 1)
438000.0	355500.0	107.95940	(278, 1)	438500.0	355500.0	145.80850	(279, 1)
437500.0	355000.0	115.43743	(295, 1)	438000.0	355000.0	129.07619	(278, 1)
438500.0	355000.0	126.24991	(279, 1)	439000.0	355000.0	102.05284	(278, 1)
437500.0	354500.0	104.13094	(278, 1)	438000.0	354500.0	128.88782	(279, 1)
438500.0	354500.0	110.95299	(279, 1)	439000.0	354500.0	85.31268	(278, 1)
439500.0	354500.0	83.01732	(295, 1)	437500.0	354000.0	115.82574	(278, 1)
438000.0	354000.0	109.84558	(279, 1)	438500.0	354000.0	98.10305	(278, 1)
439000.0	354000.0	76.21771	(331, 1)	439500.0	354000.0	88.23305	(295, 1)
438000.0	353500.0	99.63846	(279, 1)	438500.0	353500.0	87.27505	(278, 1)
439000.0	353500.0	82.58627	(295, 1)	437000.0	353500.0	95.95320	(278, 1)
436500.0	353000.0	130.44203	(295, 1)	437000.0	353000.0	140.77425	(278, 1)
437500.0	353000.0	107.54710	(279, 1)	438000.0	353000.0	92.43096	(278, 1)
436000.0	352500.0	169.48547	(360, 1)	436500.0	352500.0	157.19843	(278, 1)
437000.0	352500.0	194.51456	(279, 1)	437500.0	352500.0	101.36517	(279, 1)
438000.0	352500.0	83.12035	(278, 1)	436000.0	352000.0	189.30423	(360, 1)
436500.0	35200.0	163.39975	(278, 1)	437000.0	352000.0	155.30228	(279, 1)
437500.0	352000.0	96.24496	(279, 1)	438000.0	352000.0	83.52173	(278, 1)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* SECOND HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE DISCRETE RECEPTOR POINTS *

- X -	- Y -	CON.	(DAY,PER.)	- X -	- Y -	CON.	(DAY,PER.)
436500.0	351500.0	196.77879	(279, 1)	437000.0	351500.0	137.63115	(279, 1)
437500.0	351500.0	94.63753	(279, 1)	438000.0	351500.0	90.99691	(278, 1)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* 50 MAXIMUM 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *

* FROM ALL SOURCES *

RANK	CON.	PER.	DAY	X OR RANGE (METERS)	Y(METERS) OR DIRECTION (DEGREES)	RANK	CON.	PER.	DAY	X OR RANGE (METERS)	Y(METERS) OR DIRECTION (DEGREES)
1	300.70346	1	279	436000.0	352000.0	26	157.05118	1	278	438500.0	355500.0
2	289.32715	1	279	436500.0	352500.0	27	157.00192	1	279	436500.0	353000.0
3	288.45782	1	279	436500.0	352000.0	28	155.46857	1	279	439000.0	358000.0
4	226.94560	1	278	437000.0	352000.0	29	155.30228	1	279	437000.0	352000.0
5	221.20651	1	278	436500.0	351500.0	30	148.91150	1	360	436500.0	352500.0
6	216.28561	1	279	437000.0	353000.0	31	148.21509	1	279	437000.0	353500.0
7	215.08871	1	278	437000.0	352500.0	32	145.80850	1	279	438500.0	355500.0
8	201.25572	1	279	439000.0	357500.0	33	142.43051	1	279	439500.0	357000.0
9	198.64218	1	279	438000.0	355500.0	34	142.36661	1	278	436000.0	352000.0
10	196.77879	1	279	436500.0	351500.0	35	140.98846	1	278	438500.0	355000.0
11	194.51456	1	279	437000.0	352500.0	36	140.77425	1	278	437000.0	353000.0
12	192.97588	1	279	437500.0	355000.0	37	139.29787	1	279	437500.0	354000.0
13	189.30423	1	360	436000.0	352000.0	38	139.21555	1	278	438000.0	354500.0
14	185.59964	1	278	437000.0	351500.0	39	137.74376	1	279	439500.0	357500.0
15	182.43582	1	279	439000.0	357000.0	40	137.63115	1	279	437000.0	351500.0
16	174.11349	1	279	436000.0	352500.0	41	137.34464	1	278	439000.0	357000.0
17	173.49866	1	279	437500.0	354500.0	42	136.41620	1	295	436500.0	352500.0
18	172.88914	1	360	438500.0	357500.0	43	135.21382	1	360	439000.0	358000.0
19	169.48547	1	360	436000.0	352500.0	44	132.99098	1	295	438500.0	357500.0
20	169.19687	1	279	438500.0	357500.0	45	132.08054	1	331	437000.0	352000.0
21	165.38443	1	295	436000.0	352500.0	46	132.05515	1	279	439500.0	358000.0
22	163.39975	1	278	436500.0	352000.0	47	131.30519	1	278	439500.0	357500.0
23	160.94302	1	279	438000.0	355000.0	48	130.44203	1	295	436500.0	353000.0
24	158.37761	1	295	436000.0	352000.0	49	130.21332	1	252	436000.0	352000.0
25	157.19843	1	278	436500.0	352500.0	50	129.23761	1	295	436500.0	352000.0

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FINAL

ISCST FINE

GRID ANALYSES

ISCST FINE GRID ANALYSIS
PRODUCING HIGHEST 3-HOUR AVERAGE

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

CALCULATE (CONCENTRATION=1,DEPOSITION=2)	ISW(1) = 1
RECEPTOR GRID SYSTEM (RECTANGULAR=1 OR 3, POLAR=2 OR 4)	ISW(2) = 3
DISCRETE RECEPTOR SYSTEM (RECTANGULAR=1,POLAR=2)	ISW(3) = 1
TERRAIN ELEVATIONS ARE READ (YES=1,NO=0)	ISW(4) = 0
CALCULATIONS ARE WRITTEN TO TAPE (YES=1,NO=0)	ISW(5) = 0
LIST ALL INPUT DATA (NO=0,YES=1,MET DATA ALSO=2)	ISW(6) = 2
COMPUTE AVERAGE CONCENTRATION (OR TOTAL DEPOSITION)	
WITH THE FOLLOWING TIME PERIODS:	
HOURLY (YES=1,NO=0)	ISW(7) = 0
2-HOUR (YES=1,NO=0)	ISW(8) = 0
3-HOUR (YES=1,NO=0)	ISW(9) = 1
4-HOUR (YES=1,NO=0)	ISW(10) = 0
6-HOUR (YES=1,NO=0)	ISW(11) = 0
8-HOUR (YES=1,NO=0)	ISW(12) = 0
12-HOUR (YES=1,NO=0)	ISW(13) = 0
24-HOUR (YES=1,NO=0)	ISW(14) = 1
PRINT 'N'-DAY TABLE(S) (YES=1,NO=0)	ISW(15) = 0
PRINT THE FOLLOWING TYPES OF TABLES WHOSE TIME PERIODS ARE	
SPECIFIED BY ISW(7) THROUGH ISW(14):	
DAILY TABLES (YES=1,NO=0)	ISW(16) = 0
HIGHEST & SECOND HIGHEST TABLES (YES=1,NO=0)	ISW(17) = 1
MAXIMUM 50 TABLES (YES=1,NO=0)	ISW(18) = 1
METEOROLOGICAL DATA INPUT METHOD (PRE-PROCESSED=1,CARD=2)	ISW(19) = 1
RURAL-URBAN OPTION (RURAL=0,URBAN MODE 1=1,URBAN MODE 2=2)	ISW(20) = 0
WIND PROFILE EXPONENT VALUES (DEFAULTS=1,USER ENTERS=2,3)	ISW(21) = 1
VERTICAL POT. TEMP. GRADIENT VALUES (DEFAULTS=1,USER ENTERS=2,3)	ISW(22) = 1
SCALE EMISSION RATES FOR ALL SOURCES (NO=0,YES>0)	ISW(23) = 0
PROGRAM CALCULATES FINAL PLUME RISE ONLY (YES=1,NO=2)	ISW(24) = 1
PROGRAM ADJUSTS ALL STACK HEIGHTS FOR DOWNWASH (YES=2,NO=1)	ISW(25) = 1
NUMBER OF INPUT SOURCES	NSOURC = 17
NUMBER OF SOURCE GROUPS (=0,ALL SOURCES)	NGROUP = 0
TIME PERIOD INTERVAL TO BE PRINTED (=0,ALL INTERVALS)	IPERD = 0
NUMBER OF X (RANGE) GRID VALUES	NXPNTS = 20
NUMBER OF Y (THETA) GRID VALUES	NYPNTS = 18
NUMBER OF DISCRETE RECEPTORS	NXWYPT = 0
SOURCE EMISSION RATE UNITS CONVERSION FACTOR	TK =.10000E+07
ENTRAINMENT COEFFICIENT FOR UNSTABLE ATMOSPHERE	BETA1 =0.600
ENTRAINMENT COEFFICIENT FOR STABLE ATMOSPHERE	BETA2 =0.600
HEIGHT ABOVE GROUND AT WHICH WIND SPEED WAS MEASURED	ZR = 7.00 METERS
LOGICAL UNIT NUMBER OF METEOROLOGICAL DATA	IMET = 9
DECAY COEFFICIENT FOR PHYSICAL OR CHEMICAL DEPLETION	DECAY =0.000000E+00
SURFACE STATION NO.	ISS = 13889
YEAR OF SURFACE DATA	ISY = 70
UPPER AIR STATION NO.	IUS = 13861
YEAR OF UPPER AIR DATA	IUY = 70
ALLOCATED DATA STORAGE	LIMIT = 43500 WORDS
REQUIRED DATA STORAGE FOR THIS PROBLEM RUN	MIMIT = 8415 WORDS

1970

DMTP

Hi 3-6

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

*** METEOROLOGICAL DAYS TO BE PROCESSED ***
(IF=1)

```
0 1 0 0 0 0 0 0 0 0   0 0 0 0 1 1 0 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 1 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 1 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 1   0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0
```

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** WIND PROFILE EXPONENTS ***

STABILITY	WIND SPEED CATEGORY					
CATEGORY	1	2	3	4	5	6
A	.10000E+00	.10000E+00	.10000E+00	.10000E+00	.10000E+00	.10000E+00
B	.15000E+00	.15000E+00	.15000E+00	.15000E+00	.15000E+00	.15000E+00
C	.20000E+00	.20000E+00	.20000E+00	.20000E+00	.20000E+00	.20000E+00
D	.25000E+00	.25000E+00	.25000E+00	.25000E+00	.25000E+00	.25000E+00
E	.30000E+00	.30000E+00	.30000E+00	.30000E+00	.30000E+00	.30000E+00
F	.30000E+00	.30000E+00	.30000E+00	.30000E+00	.30000E+00	.30000E+00

*** VERTICAL POTENTIAL TEMPERATURE GRADIENTS ***
(DEGREES KELVIN PER METER)

STABILITY	WIND SPEED CATEGORY					
CATEGORY	1	2	3	4	5	6
A	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
B	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
C	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
D	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
E	.20000E-01	.20000E-01	.20000E-01	.20000E-01	.20000E-01	.20000E-01
F	.35000E-01	.35000E-01	.35000E-01	.35000E-01	.35000E-01	.35000E-01

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

*** X-COORDINATES OF RECTANGULAR GRID SYSTEM ***
(METERS)

435500.0, 435600.0, 435700.0, 435800.0, 435900.0, 436000.0, 436100.0, 436200.0, 436300.0, 436400.0,
436500.0, 436600.0, 436700.0, 436800.0, 436900.0, 437000.0, 437100.0, 437200.0, 437300.0, 437400.0,

*** Y-COORDINATES OF RECTANGULAR GRID SYSTEM ***
(METERS)

351700.0, 351800.0, 351900.0, 352000.0, 352100.0, 352200.0, 352300.0, 352400.0, 352500.0, 352600.0,
352700.0, 352800.0, 352900.0, 353000.0, 353100.0, 353200.0, 353300.0, 353400.0,

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

*** SOURCE DATA ***

SOURCE NUMBER	TYPE	WAKE	NUMBER PART. CATS.	EMISSION RATE TYPE=0,1 (GRAMS/SEC) TYPE=2 (GRAMS/SEC) *PER METER**2	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	HEIGHT (METERS)	TEMP. TYPE=0 (DEG.K); VERT.DIM TYPE=1 (METERS)	EXIT VEL. TYPE=0 (M/SEC); HORZ.DIM TYPE=1,2 (METERS)	DIAMETER TYPE=0 (METERS)	BLDG. HEIGHT TYPE=0 (METERS)	BLDG. LENGTH TYPE=0 (METERS)	BLDG. WIDTH TYPE=0 (METERS)
1	0	0	0	0.11766E+04	446900.0	366300.0	0.0	194.20	327.60	18.29	10.13	0.00	0.00	0.00
2	0	0	0	0.70570E+03	446900.0	364900.0	0.0	76.20	401.00	20.10	5.03	0.00	0.00	0.00
3	0	0	0	0.70570E+03	446900.0	364900.0	0.0	91.40	408.20	8.50	5.33	0.00	0.00	0.00
4	0	0	0	0.12556E+04	446900.0	364900.0	0.0	106.70	438.80	19.20	7.01	0.00	0.00	0.00
5	0	0	0	0.23160E+03	446900.0	364900.0	0.0	10.10	779.80	18.30	6.56	0.00	0.00	0.00
6	0	0	0	0.13180E+03	437670.0	353900.0	0.0	40.70	433.20	11.70	2.44	0.00	0.00	0.00
7	0	0	0	0.90600E+02	437670.0	353900.0	0.0	40.70	406.50	10.30	3.05	0.00	0.00	0.00
8	0	0	0	0.11030E+03	437670.0	353900.0	0.0	43.70	422.10	11.80	3.35	0.00	0.00	0.00
9	0	0	0	0.20970E+03	437670.0	353900.0	0.0	44.20	416.50	13.70	3.05	0.00	0.00	0.00
10	0	0	0	0.16520E+03	440080.0	359150.0	0.0	45.70	414.30	7.80	3.20	0.00	0.00	0.00
11	0	0	0	0.20480E+03	440080.0	359150.0	0.0	41.50	405.40	15.50	2.74	0.00	0.00	0.00
12	0	0	0	0.19120E+03	440080.0	359150.0	0.0	13.70	714.30	8.80	5.84	0.00	0.00	0.00
13	0	0	0	0.13800E+02	440080.0	359150.0	0.0	6.30	766.50	11.80	3.13	0.00	0.00	0.00
14	0	0	0	0.20840E+03	441800.0	365600.0	0.0	32.30	433.00	16.10	2.13	0.00	0.00	0.00
15	0	0	0	0.82200E+02	437900.0	366800.0	0.0	15.90	505.00	8.60	1.37	0.00	0.00	0.00
16	0	0	0	0.54400E+02	439900.0	359300.0	0.0	76.20	477.00	9.20	3.78	0.00	0.00	0.00
17	0	0	0	0.25600E+02	447040.0	366570.0	0.0	85.40	441.00	12.20	2.08	0.00	0.00	0.00

Source NO.	Source Name
1	SJRPP Units 1 & 2
2	Northside Unit 1
3	Northside Unit 2
4	Northside Unit 3
5	Northside CT 3, 4, 5, 6
6	Southside Units 1 & 2
7	Southside Unit 3
8	Southside Unit 4
9	Southside Unit 5
10	Kennedy Units 8 & 9
11	Kennedy Unit 10
12	Kennedy CT 3, 4, 5, 6
13	Kennedy CT 1
14	St. Regis (All major sources)
15	Anheuser Busch (All major sources)
16	Alton Box Board (All major sources)
17	SJRPP Aux. Boiler

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* METEOROLOGICAL DATA FOR DAY 2 *

HOUR	FLOW VECTOR (DEGREES)	RANDOM FLOW VECTOR (DEGREES)	WIND SPEED (MPS)	MIXING HEIGHT (METERS)	TEMP. (DEG. K)	INPUT STABILITY CATEGORY	ADJUSTED STABILITY CATEGORY
1	140.0	136.0	3.09	623.4	278.7	5	5
2	120.0	122.0	4.12	624.5	278.7	4	4
3	150.0	152.0	4.12	625.6	278.7	4	4
4	140.0	140.0	5.14	626.8	278.2	4	4
5	150.0	146.0	4.12	627.9	277.0	5	5
6	140.0	137.0	3.09	629.0	276.5	6	6
7	150.0	149.0	3.60	630.1	275.9	5	5
8	170.0	166.0	4.12	52.8	275.9	4	4
9	150.0	150.0	6.17	150.3	277.0	4	4
10	200.0	201.0	4.63	247.9	278.7	3	3
11	200.0	205.0	4.12	345.4	280.4	3	3
12	200.0	201.0	4.12	442.9	282.0	3	3
13	240.0	239.0	3.60	540.5	283.2	2	2
14	270.0	267.0	3.60	638.0	283.7	3	3
15	270.0	270.0	4.12	638.0	283.7	4	4
16	260.0	264.0	3.60	638.0	283.2	4	4
17	220.0	218.0	2.57	638.0	282.6	4	4
18	250.0	251.0	3.09	634.3	282.0	4	4
19	180.0	182.0	4.12	626.5	282.0	4	4
20	170.0	175.0	3.60	618.6	281.5	4	4
21	200.0	204.0	4.12	610.7	281.5	4	4
22	220.0	225.0	3.60	602.9	282.0	4	4
23	160.0	157.0	2.57	595.0	282.0	4	4
24	140.0	138.0	6.17	587.1	280.9	4	4

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* METEOROLOGICAL DATA FOR DAY 15 *

HOUR	FLOW VECTOR (DEGREES)	RANDOM FLOW VECTOR (DEGREES)	WIND SPEED (MPS)	MIXING HEIGHT (METERS)	TEMP. (DEG. K)	INPUT STABILITY CATEGORY	ADJUSTED STABILITY CATEGORY
1	280.0	280.0	3.60	699.9	283.7	4	4
2	250.0	252.0	4.12	670.3	284.3	4	4
3	220.0	218.0	4.12	640.7	284.3	4	4
4	230.0	230.0	4.12	611.1	283.7	4	4
5	220.0	225.0	4.63	581.5	283.7	4	4
6	230.0	230.0	4.12	551.9	284.3	4	4
7	250.0	249.0	5.14	522.3	285.9	4	4
8	240.0	242.0	4.63	492.7	285.9	4	4
9	270.0	267.0	7.20	463.0	285.9	4	4
10	280.0	277.0	5.66	433.4	287.0	4	4
11	270.0	272.0	8.23	403.8	286.5	4	4
12	240.0	240.0	6.69	374.2	285.9	4	4
13	200.0	204.0	7.20	344.6	285.4	4	4
14	220.0	220.0	7.72	315.0	284.8	4	4
15	240.0	243.0	7.20	315.0	285.4	4	4
16	260.0	256.0	7.72	315.0	285.4	4	4
17	240.0	243.0	6.69	315.0	285.4	4	4
18	230.0	227.0	7.20	317.3	284.8	4	4
19	240.0	241.0	7.72	325.0	284.8	4	4
20	240.0	242.0	7.20	332.7	284.8	4	4
21	240.0	244.0	9.26	340.3	284.8	4	4
22	240.0	243.0	7.72	348.0	284.8	4	4
23	240.0	239.0	6.17	355.7	284.3	4	4
24	210.0	210.0	4.63	363.4	283.7	4	4

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* METEOROLOGICAL DATA FOR DAY 16 *

HOUR	FLOW VECTOR (DEGREES)	RANDOM FLOW VECTOR (DEGREES)	WIND SPEED (MPS)	MIXING HEIGHT (METERS)	TEMP. (DEG. K)	INPUT STABILITY CATEGORY	ADJUSTED STABILITY CATEGORY
1	220.0	216.0	5.66	371.0	283.2	4	4
2	230.0	229.0	6.17	378.7	283.2	4	4
3	220.0	217.0	5.66	386.4	283.2	4	4
4	230.0	229.0	6.17	394.1	283.7	4	4
5	240.0	244.0	5.66	401.8	284.3	4	4
6	220.0	222.0	5.66	409.5	284.3	4	4
7	230.0	232.0	6.17	417.2	284.3	4	4
8	230.0	228.0	5.14	424.9	284.3	4	4
9	220.0	222.0	6.17	432.5	285.4	4	4
10	230.0	227.0	6.69	440.2	285.4	4	4
11	240.0	241.0	8.75	447.9	286.5	4	4
12	240.0	242.0	6.69	455.6	286.5	4	4
13	230.0	232.0	7.20	463.3	285.9	4	4
14	210.0	210.0	7.72	471.0	285.4	4	4
15	210.0	211.0	8.23	471.0	286.5	4	4
16	230.0	235.0	6.17	471.0	285.9	4	4
17	230.0	226.0	6.17	471.0	285.4	4	4
18	250.0	251.0	5.66	485.6	285.4	4	4
19	250.0	249.0	4.63	537.2	284.8	4	4
20	240.0	240.0	5.14	588.7	284.3	4	4
21	230.0	226.0	5.14	640.3	284.8	4	4
22	250.0	246.0	4.12	691.9	284.8	4	4
23	240.0	239.0	4.12	743.5	284.8	5	5
24	260.0	262.0	3.60	795.0	284.3	4	4

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* METEOROLOGICAL DATA FOR DAY 67 *

HOUR	FLOW VECTOR (DEGREES)	RANDOM FLOW VECTOR (DEGREES)	WIND SPEED (MPS)	MIXING HEIGHT (METERS)	TEMP. (DEG. K)	INPUT STABILITY CATEGORY	ADJUSTED STABILITY CATEGORY
1	210.0	212.0	2.57	1045.1	288.7	5	5
2	230.0	228.0	3.09	975.4	288.7	5	5
3	220.0	218.0	2.57	905.7	288.2	4	4
4	250.0	246.0	4.63	836.0	288.2	4	4
5	250.0	252.0	4.63	766.3	288.2	4	4
6	270.0	274.0	5.14	696.6	288.7	4	4
7	270.0	268.0	3.09	626.9	288.7	4	4
8	240.0	240.0	4.12	557.2	288.2	4	4
9	280.0	280.0	6.17	487.5	288.7	4	4
10	220.0	224.0	5.14	417.8	288.2	4	4
11	260.0	261.0	5.66	348.1	288.7	4	4
12	270.0	270.0	8.75	278.4	289.3	4	4
13	280.0	283.0	7.72	208.7	288.7	4	4
14	230.0	235.0	5.66	139.0	288.7	4	4
15	260.0	261.0	9.77	139.0	289.3	4	4
16	230.0	232.0	5.14	139.0	288.7	4	4
17	210.0	209.0	5.14	139.0	287.6	4	4
18	210.0	214.0	6.69	139.0	287.6	4	4
19	220.0	224.0	6.69	193.4	287.6	4	4
20	220.0	220.0	6.69	286.5	287.0	4	4
21	220.0	221.0	6.17	379.7	286.5	4	4
22	220.0	216.0	6.69	472.8	287.0	4	4
23	220.0	217.0	5.14	565.9	287.0	4	4
24	180.0	184.0	6.17	659.1	287.0	4	4

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* METEOROLOGICAL DATA FOR DAY 273 *

HOUR	FLOW VECTOR (DEGREES)	RANDOM FLOW VECTOR (DEGREES)	WIND SPEED (MPS)	MIXING HEIGHT (METERS)	TEMP. (DEG. K)	INPUT STABILITY CATEGORY	ADJUSTED STABILITY CATEGORY
1	180.0	182.0	4.12	1470.9	289.3	5	5
2	180.0	185.0	4.12	1476.5	289.3	5	5
3	180.0	183.0	4.12	1482.0	288.7	5	5
4	180.0	185.0	4.63	1487.5	288.7	5	5
5	180.0	179.0	4.12	1493.1	288.2	5	5
6	180.0	183.0	4.12	1498.6	288.2	5	5
7	180.0	176.0	4.63	130.2	288.2	4	4
8	180.0	176.0	5.14	332.1	290.4	4	4
9	180.0	185.0	5.14	533.9	293.2	4	4
10	210.0	206.0	4.63	735.7	295.9	3	3
11	250.0	251.0	5.14	937.5	298.7	3	3
12	260.0	256.0	4.63	1139.4	298.7	3	3
13	270.0	273.0	5.14	1341.2	299.8	3	3
14	230.0	226.0	4.12	1543.0	299.3	3	3
15	210.0	212.0	5.14	1543.0	299.3	3	3
16	220.0	220.0	6.17	1543.0	298.2	4	4
17	220.0	218.0	5.14	1543.0	297.6	4	4
18	220.0	224.0	5.14	1543.0	296.5	4	4
19	200.0	198.0	4.12	1549.9	294.8	5	5
20	220.0	217.0	4.12	1558.1	288.2	5	5
21	210.0	213.0	4.12	1566.3	292.6	5	5
22	220.0	220.0	1.54	1574.5	292.0	6	6
23	160.0	159.0	3.09	1582.7	290.4	6	6
24	140.0	143.0	1.54	1591.0	289.3	6	6

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* METEOROLOGICAL DATA FOR DAY 290 *

HOUR	FLOW VECTOR (DEGREES)	RANDOM FLOW VECTOR (DEGREES)	WIND SPEED (MPS)	MIXING HEIGHT (METERS)	TEMP. (DEG. K)	INPUT STABILITY CATEGORY	ADJUSTED STABILITY CATEGORY
1	240.0	239.0	6.69	1793.0	292.6	4	4
2	230.0	229.0	7.20	1745.8	292.0	4	4
3	230.0	228.0	6.17	1698.7	291.5	4	4
4	240.0	236.0	7.20	1651.5	291.5	4	4
5	240.0	239.0	6.69	1604.4	291.5	4	4
6	250.0	248.0	6.69	1557.2	292.0	4	4
7	250.0	250.0	4.63	1510.1	292.0	4	4
8	180.0	177.0	6.17	1462.9	287.6	4	4
9	150.0	154.0	6.17	1415.8	289.8	4	4
10	240.0	241.0	7.72	1368.6	294.3	4	4
11	250.0	250.0	8.75	1321.5	294.8	4	4
12	260.0	263.0	8.23	1274.3	293.7	4	4
13	240.0	242.0	8.75	1227.2	294.3	4	4
14	220.0	222.0	7.72	1180.0	293.7	4	4
15	230.0	227.0	7.72	1180.0	293.7	4	4
16	260.0	257.0	7.72	1180.0	293.2	4	4
17	240.0	244.0	6.69	1180.0	292.6	4	4
18	240.0	237.0	7.20	1185.9	291.5	4	4
19	230.0	232.0	5.66	1221.2	290.4	4	4
20	240.0	240.0	5.14	1256.4	290.4	4	4
21	230.0	228.0	5.14	1291.7	290.9	5	5
22	240.0	239.0	4.12	1326.9	291.5	4	4
23	260.0	257.0	4.12	1362.2	291.5	4	4
24	110.0	108.0	3.60	1397.4	285.9	5	5

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* HIGHEST 3-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE RECEPTOR GRID *

* MAXIMUM VALUE EQUALS 827.82611 AND OCCURRED AT (437100.0, 352500.0) *

Y-AXIS / (METERS) /	X-AXIS (METERS) 435500.0	435600.0	435700.0	435800.0	435900.0
353400.0 /	310.42834 (273, 4)	341.81357 (273, 4)	373.53925 (273, 4)	403.97052 (273, 4)	430.69992 (273, 4)
353300.0 /	354.20074 (273, 4)	375.27744 (273, 4)	391.98682 (273, 4)	401.95490 (273, 4)	402.44727 (273, 4)
353200.0 /	344.63068 (273, 4)	347.64178 (273, 4)	343.07288 (273, 4)	329.38901 (273, 4)	305.56354 (273, 4)
353100.0 /	289.37860 (273, 4)	275.44928 (273, 4)	260.31979 (67, 7)	253.39841 (67, 7)	310.13293 (15, 7)
353000.0 /	273.03821 (273, 6)	262.36191 (273, 6)	331.85437 (15, 7)	400.47702 (15, 7)	441.71933 (15, 7)
352900.0 /	343.65216 (15, 7)	408.60349 (15, 7)	450.98083 (15, 7)	453.41858 (15, 7)	405.47711 (15, 7)
352800.0 /	450.43442 (15, 7)	459.73212 (15, 7)	426.72299 (15, 7)	352.30078 (15, 7)	288.97406 (290, 2)
352700.0 /	435.65414 (15, 7)	377.45493 (15, 7)	291.24063 (15, 7)	297.72321 (290, 2)	270.41782 (290, 2)
352600.0 /	319.39777 (15, 7)	302.40939 (290, 2)	293.31778 (290, 2)	252.97581 (290, 2)	257.77124 (16, 5)
352500.0 /	301.98981 (290, 2)	279.48495 (290, 2)	242.49307 (67, 6)	270.98700 (16, 3)	301.67035 (16, 3)
352400.0 /	259.81360 (290, 2)	257.19916 (67, 6)	289.98218 (16, 3)	316.56119 (16, 3)	322.41901 (16, 3)
352300.0 /	269.47266 (67, 6)	305.52148 (16, 3)	327.95605 (16, 3)	330.93402 (16, 3)	353.97766 (67, 7)
352200.0 /	317.80759 (16, 3)	336.28992 (16, 3)	336.83447 (16, 3)	361.86548 (67, 7)	446.37329 (67, 7)
352100.0 /	342.00745 (16, 3)	340.53363 (16, 3)	368.40961 (67, 7)	450.73645 (67, 7)	542.24304 (67, 7)
352000.0 /	342.40399 (16, 3)	373.72571 (67, 7)	453.41968 (67, 7)	541.59637 (67, 7)	611.22375 (67, 7)
351900.0 /	377.94199 (67, 7)	454.70419 (67, 7)	539.28992 (67, 7)	608.20093 (67, 7)	631.36688 (67, 7)
351800.0 /	454.79245 (67, 7)	535.69653 (67, 7)	603.30072 (67, 7)	631.18323 (67, 7)	599.25525 (67, 7)
351700.0 /	530.75073 (67, 7)	596.88544 (67, 7)	628.36829 (67, 7)	606.23596 (67, 7)	543.14642 (273, 6)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* HIGHEST 3-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE RECEPTOR GRID *

* MAXIMUM VALUE EQUALS 827.82611 AND OCCURRED AT (437100.0, 352500.0) *

Y-AXIS / (METERS) /	X-AXIS (METERS) 436000.0	436100.0	436200.0	436300.0	436400.0
353400.0 /	450.41589 (273, 4)	458.91318 (273, 4)	451.42401 (273, 4)	423.52460 (273, 4)	372.86435 (273, 4)
353300.0 /	390.67343 (273, 4)	364.38007 (273, 4)	322.78870 (273, 4)	267.77670 (273, 4)	290.56607 (15, 7)
353200.0 /	271.57819 (273, 4)	275.76056 (15, 7)	345.43445 (15, 7)	375.64023 (15, 7)	336.55713 (15, 7)
353100.0 /	380.77783 (15, 7)	418.32578 (15, 7)	396.82880 (15, 7)	309.89795 (15, 7)	238.52855 (67, 7)
353000.0 /	434.11145 (15, 7)	367.79004 (15, 7)	257.26465 (15, 7)	239.15695 (290, 2)	240.51266 (16, 5)
352900.0 /	312.87280 (15, 7)	273.57471 (290, 2)	240.99216 (290, 2)	260.64661 (16, 5)	272.51627 (16, 5)
352800.0 /	278.91632 (290, 2)	239.06084 (67, 7)	274.52765 (16, 5)	278.63950 (16, 5)	293.92291 (67, 7)
352700.0 /	248.78070 (16, 5)	281.94592 (16, 5)	278.89847 (16, 5)	308.24005 (67, 7)	388.26953 (67, 7)
352600.0 /	283.59955 (16, 5)	295.79544 (16, 3)	321.67618 (67, 7)	405.71680 (67, 7)	502.09631 (67, 7)
352500.0 /	310.85052 (16, 3)	333.87534 (67, 7)	420.00598 (67, 7)	518.04639 (67, 7)	573.67700 (67, 7)
352400.0 /	344.65927 (67, 7)	431.34045 (67, 7)	529.33319 (67, 7)	591.15204 (67, 7)	564.23889 (67, 7)
352300.0 /	440.01868 (67, 7)	536.68311 (67, 7)	602.64728 (67, 7)	589.89258 (67, 7)	487.16431 (67, 7)
352200.0 /	540.78198 (67, 7)	609.20966 (67, 7)	608.44409 (67, 7)	521.84924 (67, 7)	428.40353 (273, 6)
352100.0 /	611.79248 (67, 7)	620.88086 (67, 7)	549.98236 (67, 7)	462.76620 (273, 6)	377.46454 (67, 8)
352000.0 /	628.20935 (67, 7)	571.85144 (67, 7)	491.25781 (273, 6)	396.18649 (67, 8)	339.48181 (67, 8)
351900.0 /	588.03894 (67, 7)	513.85669 (273, 6)	424.76263 (273, 6)	369.66940 (67, 8)	359.68158 (16, 5)
351800.0 /	530.95239 (273, 6)	453.35535 (273, 6)	392.40350 (67, 8)	331.14612 (16, 5)	388.70233 (16, 5)
351700.0 /	477.23349 (273, 6)	407.57382 (67, 8)	351.32477 (67, 8)	373.36484 (16, 5)	383.16632 (16, 5)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* HIGHEST 3-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE RECEPTOR GRID *

* MAXIMUM VALUE EQUALS 827.82611 AND OCCURRED AT (437100.0, 352500.0) *

Y-AXIS / (METERS) /	X-AXIS (METERS) 436500.0	436600.0	436700.0	436800.0	436900.0
353400.0 /	301.66742 (273, 4)	240.63770 (67, 7)	239.91928 (67, 7)	242.71996 (2, 5)	235.80457 (67, 7)
353300.0 /	308.95914 (15, 7)	251.17393 (15, 7)	245.03838 (2, 5)	235.88666 (67, 7)	236.08946 (67, 7)
353200.0 /	238.89157 (67, 7)	237.57727 (67, 7)	236.86345 (67, 7)	242.81757 (67, 7)	267.99319 (67, 7)
353100.0 /	237.63824 (67, 7)	239.25035 (67, 7)	252.70721 (67, 7)	292.48547 (67, 7)	339.74182 (67, 7)
353000.0 /	259.27301 (16, 5)	265.22388 (67, 7)	318.61621 (67, 7)	381.83130 (67, 7)	373.00546 (67, 7)
352900.0 /	279.30713 (67, 7)	344.16296 (67, 7)	420.40479 (67, 7)	427.26889 (67, 7)	327.97699 (67, 7)
352800.0 /	367.64893 (67, 7)	453.60132 (67, 7)	475.90686 (67, 7)	384.44812 (67, 7)	321.37311 (273, 5)
352700.0 /	480.78989 (67, 7)	516.71777 (67, 7)	439.46210 (67, 7)	316.66577 (273, 6)	327.13931 (273, 5)
352600.0 /	549.16492 (67, 7)	488.89658 (67, 7)	364.83167 (273, 6)	317.41797 (273, 5)	412.40881 (2, 4)
352500.0 /	530.68298 (67, 7)	410.74786 (273, 6)	309.12894 (67, 8)	340.56284 (2, 4)	526.76825 (2, 4)
352400.0 /	451.42148 (273, 6)	345.83807 (273, 6)	318.85120 (16, 5)	434.29169 (2, 4)	632.12207 (2, 4)
352300.0 /	388.86957 (273, 6)	313.11761 (67, 8)	368.76694 (16, 5)	529.34875 (2, 4)	713.56848 (2, 4)
352200.0 /	349.57578 (67, 8)	358.44733 (16, 5)	438.61322 (2, 4)	613.28235 (2, 4)	763.85083 (2, 4)
352100.0 /	333.17505 (16, 5)	385.51096 (16, 5)	516.39020 (2, 4)	677.32117 (2, 4)	782.82214 (2, 4)
352000.0 /	380.42194 (16, 5)	431.99304 (2, 4)	583.57239 (2, 4)	717.50378 (2, 4)	775.02069 (2, 4)
351900.0 /	388.75949 (16, 5)	495.69861 (2, 4)	634.85303 (2, 4)	734.07410 (2, 4)	747.07471 (2, 4)
351800.0 /	419.30511 (2, 4)	550.18774 (2, 4)	667.92932 (2, 4)	730.08533 (2, 4)	705.78418 (2, 4)
351700.0 /	471.94638 (2, 4)	592.12079 (2, 4)	683.05920 (2, 4)	709.95740 (2, 4)	657.03864 (2, 4)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* HIGHEST 3-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE RECEPTOR GRID *

* MAXIMUM VALUE EQUALS 827.82611 AND OCCURRED AT (437100.0, 352500.0) *

Y-AXIS / (METERS) /	X-AXIS (METERS) 437000.0	437100.0	437200.0	437300.0	437400.0
353400.0 /	232.74139 (67, 7)	231.37213 (67, 7)	226.98145 (67, 7)	213.17027 (67, 7)	225.59593 (2, 4)
353300.0 /	244.91373 (67, 7)	250.67786 (67, 7)	225.47910 (67, 7)	233.81163 (2, 4)	282.92889 (2, 4)
353200.0 /	294.70554 (67, 7)	261.28336 (67, 7)	229.96036 (2, 4)	327.30411 (2, 4)	363.01218 (2, 4)
353100.0 /	317.70697 (67, 7)	271.87817 (273, 5)	326.84503 (2, 4)	462.02563 (2, 4)	422.29333 (2, 4)
353000.0 /	292.27350 (273, 5)	304.61795 (273, 5)	475.28375 (2, 4)	578.89423 (2, 4)	441.88681 (2, 4)
352900.0 /	323.25937 (273, 5)	429.57544 (2, 4)	626.42944 (2, 4)	639.24487 (2, 4)	429.23288 (2, 4)
352800.0 /	366.62286 (2, 4)	580.84546 (2, 4)	733.29956 (2, 4)	641.87061 (2, 4)	399.33112 (2, 4)
352700.0 /	497.31589 (2, 4)	712.01563 (2, 4)	777.95557 (2, 4)	605.21277 (2, 4)	363.98572 (2, 4)
352600.0 /	627.50220 (2, 4)	796.45087 (2, 4)	767.85736 (2, 4)	549.49414 (2, 4)	329.81238 (2, 4)
352500.0 /	731.89252 (2, 4)	827.82611 (2, 4)	721.22961 (2, 4)	489.18674 (2, 4)	299.59454 (2, 4)
352400.0 /	796.61029 (2, 4)	814.31702 (2, 4)	656.10016 (2, 4)	432.37958 (2, 4)	273.96951 (2, 4)
352300.0 /	819.96283 (2, 4)	769.94775 (2, 4)	585.73151 (2, 4)	382.55893 (2, 4)	252.59268 (2, 4)
352200.0 /	808.39130 (2, 4)	708.46527 (2, 4)	518.16364 (2, 4)	340.52106 (2, 4)	234.78082 (2, 4)
352100.0 /	771.71844 (2, 4)	640.54919 (2, 4)	457.39490 (2, 4)	305.73801 (2, 4)	227.80627 (67, 8)
352000.0 /	719.74847 (2, 4)	573.29431 (2, 4)	404.81049 (2, 4)	277.16876 (2, 4)	238.34691 (67, 8)
351900.0 /	660.53955 (2, 4)	510.77112 (2, 4)	360.32275 (2, 4)	253.68045 (2, 4)	247.84955 (67, 8)
351800.0 /	599.90564 (2, 4)	454.88193 (2, 4)	323.13495 (2, 4)	234.23978 (2, 4)	256.02844 (67, 8)
351700.0 /	541.59253 (2, 4)	406.14587 (2, 4)	292.19455 (2, 4)	221.51898 (273, 7)	262.70349 (67, 8)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* SECOND HIGHEST 3-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE RECEPTOR GRID *

* MAXIMUM VALUE EQUALS 565.04376 AND OCCURRED AT (435800.0, 351700.0) *

Y-AXIS (METERS) /	X-AXIS (METERS) 435500.0	435600.0	435700.0	435800.0	435900.0
353400.0 /	302.20068 (67, 7)	295.41824 (273, 6)	287.65469 (273, 6)	277.16220 (273, 6)	264.85815 (273, 6)
353300.0 /	295.15302 (273, 6)	288.40784 (273, 6)	278.87054 (273, 6)	267.35010 (273, 6)	256.38116 (67, 7)
353200.0 /	288.85776 (273, 6)	280.25879 (273, 6)	269.53992 (273, 6)	258.37375 (67, 7)	251.72601 (67, 7)
353100.0 /	281.34232 (273, 6)	271.43323 (273, 6)	260.10950 (273, 6)	248.28380 (273, 6)	248.10754 (67, 7)
353000.0 /	270.55157 (67, 7)	262.20447 (67, 7)	255.07071 (67, 7)	263.07932 (16, 4)	307.70825 (16, 4)
352900.0 /	264.35690 (273, 6)	275.26123 (16, 4)	318.85779 (16, 4)	340.09454 (16, 4)	324.91934 (16, 4)
352800.0 /	323.63846 (16, 4)	347.19052 (16, 4)	340.96576 (16, 4)	299.62033 (16, 4)	251.61333 (15, 7)
352700.0 /	348.63104 (16, 4)	318.75446 (16, 4)	291.07233 (290, 2)	241.61693 (67, 7)	239.91216 (67, 7)
352600.0 /	284.76965 (290, 2)	245.26727 (67, 7)	242.22406 (67, 7)	240.60338 (67, 7)	252.70200 (67, 6)
352500.0 /	246.18481 (67, 7)	243.00421 (67, 7)	241.60718 (67, 7)	266.21109 (67, 6)	280.56836 (16, 5)
352400.0 /	243.97278 (67, 7)	250.63885 (16, 3)	276.66364 (67, 6)	274.54889 (67, 6)	312.80716 (290, 1)
352300.0 /	269.35718 (16, 3)	284.06964 (67, 6)	279.70215 (290, 1)	321.84808 (290, 1)	320.89343 (290, 1)
352200.0 /	288.64670 (67, 6)	291.22217 (290, 1)	327.11896 (290, 1)	322.40479 (16, 3)	363.49521 (273, 6)
352100.0 /	299.60236 (290, 1)	329.26617 (290, 1)	326.08221 (16, 3)	370.09302 (273, 6)	438.87891 (273, 6)
352000.0 /	328.88232 (290, 1)	328.06134 (16, 3)	375.30615 (273, 6)	441.91107 (273, 6)	505.48926 (273, 6)
351900.0 /	328.63226 (16, 3)	379.31235 (273, 6)	443.44418 (273, 6)	505.40720 (273, 6)	549.75507 (273, 6)
351800.0 /	382.22620 (273, 6)	443.75354 (273, 6)	503.74606 (273, 6)	549.02509 (273, 6)	562.90692 (273, 6)
351700.0 /	442.68768 (273, 6)	500.75586 (273, 6)	546.34692 (273, 6)	565.04376 (273, 6)	528.78479 (67, 7)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* SECOND HIGHEST 3-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE RECEPTOR GRID *

* MAXIMUM VALUE EQUALS 565.04376 AND OCCURRED AT (435800.0, 351700.0) *

Y-AXIS / (METERS) /	X-AXIS (METERS) 436000.0	436100.0	436200.0	436300.0	436400.0
353400.0 /	254.35905 (67, 7)	248.45093 (67, 7)	244.52496 (67, 7)	242.29782 (67, 7)	241.28940 (67, 7)
353300.0 /	250.07079 (67, 7)	245.64043 (67, 7)	242.89233 (67, 7)	241.41937 (67, 7)	240.69870 (67, 7)
353200.0 /	246.84009 (67, 7)	243.59843 (67, 7)	241.66663 (67, 7)	256.04614 (290, 5)	254.31470 (16, 4)
353100.0 /	250.55573 (290, 5)	287.56857 (16, 4)	297.05630 (16, 4)	255.83525 (15, 8)	218.35010 (290, 2)
353000.0 /	324.49698 (16, 4)	297.39447 (16, 4)	250.23705 (290, 2)	238.36578 (67, 7)	238.31067 (67, 7)
352900.0 /	269.88373 (16, 4)	239.33702 (67, 7)	238.50931 (67, 7)	239.77466 (67, 7)	248.88530 (67, 7)
352800.0 /	239.50455 (67, 7)	235.11455 (16, 5)	242.10513 (67, 7)	255.75139 (67, 7)	282.41016 (273, 5)
352700.0 /	240.09294 (67, 7)	260.13739 (16, 3)	276.88513 (16, 3)	283.95709 (290, 1)	315.25674 (273, 5)
352600.0 /	282.92215 (16, 3)	280.86301 (290, 1)	300.55396 (290, 1)	320.08640 (273, 6)	389.37549 (273, 6)
352500.0 /	299.33978 (290, 1)	311.63104 (290, 1)	333.71454 (273, 6)	405.04395 (273, 6)	465.07068 (273, 6)
352400.0 /	318.11731 (290, 1)	345.44867 (273, 6)	417.48608 (273, 6)	480.55304 (273, 6)	501.41754 (273, 6)
352300.0 /	355.33478 (273, 6)	427.02612 (273, 6)	491.70038 (273, 6)	520.63501 (273, 6)	485.44312 (273, 6)
352200.0 /	434.03354 (273, 6)	499.16513 (273, 6)	534.22473 (273, 6)	512.52191 (273, 6)	385.91428 (67, 7)
352100.0 /	503.57306 (273, 6)	543.06104 (273, 6)	533.03900 (273, 6)	423.14487 (67, 7)	364.68222 (16, 1)
352000.0 /	547.98535 (273, 6)	547.71344 (273, 6)	456.52499 (67, 7)	391.85144 (273, 6)	329.43182 (16, 1)
351900.0 /	557.38879 (273, 6)	485.34662 (67, 7)	406.39032 (67, 8)	361.04871 (16, 1)	316.61353 (67, 6)
351800.0 /	509.39362 (67, 7)	409.36545 (67, 8)	385.75885 (16, 1)	322.09851 (67, 6)	313.61597 (67, 6)
351700.0 /	417.66266 (67, 7)	403.18713 (16, 1)	346.87494 (16, 1)	327.67456 (67, 6)	355.60242 (2, 4)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* SECOND HIGHEST 3-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE RECEPTOR GRID *

* MAXIMUM VALUE EQUALS 565.04376 AND OCCURRED AT (435800.0, 351700.0) *

Y-AXIS (METERS) /	X-AXIS (METERS) 436500.0	436600.0	436700.0	436800.0	436900.0
353400.0 /	240.92674 (67, 7)	219.08043 (273, 4)	226.16087 (2, 5)	238.37836 (67, 7)	227.04681 (2, 5)
353300.0 /	240.18234 (67, 7)	239.37122 (67, 7)	237.89275 (67, 7)	227.23875 (2, 5)	203.97740 (273, 6)
353200.0 /	230.98962 (15, 7)	227.17099 (2, 5)	211.00267 (16, 5)	207.11734 (273, 6)	242.49561 (273, 5)
353100.0 /	215.89117 (16, 5)	238.38249 (16, 5)	239.51974 (273, 5)	281.77374 (273, 5)	278.05176 (273, 5)
353000.0 /	243.28366 (67, 7)	263.14178 (273, 5)	305.82715 (273, 5)	306.10278 (273, 5)	312.19257 (273, 6)
352900.0 /	276.75381 (273, 5)	317.24368 (273, 5)	322.24759 (273, 6)	351.42148 (273, 6)	311.08942 (273, 6)
352800.0 /	319.39368 (273, 5)	347.76300 (273, 6)	387.54236 (273, 6)	358.75449 (273, 6)	271.00415 (273, 6)
352700.0 /	370.27463 (273, 6)	418.82306 (273, 6)	403.77606 (273, 6)	309.74078 (273, 5)	308.26782 (2, 4)
352600.0 /	444.64240 (273, 6)	443.19333 (273, 6)	350.82373 (67, 7)	267.47015 (67, 8)	321.13806 (16, 5)
352500.0 /	475.77573 (273, 6)	399.96924 (67, 7)	302.17239 (273, 6)	333.16968 (16, 5)	302.36264 (16, 5)
352400.0 /	446.17319 (67, 7)	342.31854 (67, 8)	296.99658 (273, 5)	352.90131 (16, 5)	282.15680 (273, 4)
352300.0 /	365.23969 (67, 8)	297.48599 (16, 1)	358.18799 (2, 4)	317.04135 (16, 5)	279.92664 (273, 4)
352200.0 /	334.81784 (16, 1)	298.58792 (2, 4)	366.29266 (16, 5)	264.91919 (273, 4)	290.57263 (15, 5)
352100.0 /	303.07822 (67, 8)	364.20880 (2, 4)	320.26172 (16, 5)	279.11804 (15, 5)	287.75220 (15, 5)
352000.0 /	305.34088 (2, 4)	367.15878 (16, 5)	253.80759 (16, 5)	293.92352 (15, 5)	270.22095 (15, 5)
351900.0 /	362.34067 (2, 4)	316.17322 (16, 5)	278.35925 (15, 5)	292.92291 (15, 5)	244.10393 (15, 5)
351800.0 /	360.17474 (16, 5)	251.84447 (16, 5)	292.33334 (15, 5)	278.38272 (15, 5)	215.14214 (15, 5)
351700.0 /	307.73270 (16, 5)	274.35779 (15, 5)	292.74911 (15, 5)	254.95007 (15, 5)	187.26077 (15, 5)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* SECOND HIGHEST 3-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE RECEPTOR GRID *

* MAXIMUM VALUE EQUALS 565.04376 AND OCCURRED AT (435800.0, 351700.0) *

Y-AXIS / (METERS) /	X-AXIS (METERS) 437000.0	437100.0	437200.0	437300.0	437400.0
353400.0 /	202.94717 (273, 6)	204.14404 (273, 6)	204.95946 (273, 6)	201.57005 (273, 6)	202.53307 (67, 7)
353300.0 /	209.35631 (273, 6)	215.80614 (273, 6)	209.15833 (273, 6)	204.03935 (67, 7)	195.13400 (273, 6)
353200.0 /	239.63174 (273, 6)	233.48257 (273, 6)	228.84393 (273, 5)	195.27519 (273, 6)	191.26462 (273, 6)
353100.0 /	273.10754 (273, 6)	235.76732 (67, 7)	252.53470 (273, 5)	194.29478 (273, 4)	186.80832 (273, 6)
353000.0 /	276.31412 (67, 7)	298.25568 (2, 4)	237.90454 (273, 4)	203.66386 (15, 5)	181.79935 (273, 6)
352900.0 /	262.79718 (2, 4)	288.84790 (273, 5)	264.37335 (273, 4)	196.99109 (15, 5)	176.28062 (273, 6)
352800.0 /	321.23462 (273, 5)	281.17181 (273, 4)	254.22124 (273, 4)	181.59074 (15, 5)	170.30174 (273, 6)
352700.0 /	285.16644 (273, 5)	292.93542 (273, 4)	227.15933 (15, 5)	171.20557 (273, 6)	167.64996 (67, 8)
352600.0 /	290.99927 (273, 4)	275.94211 (273, 4)	207.02698 (15, 5)	165.00470 (273, 6)	175.24039 (67, 8)
352500.0 /	293.51984 (273, 4)	255.09125 (15, 5)	184.09764 (15, 5)	166.96812 (67, 8)	184.15549 (67, 8)
352400.0 /	280.48517 (15, 5)	233.64075 (15, 5)	165.71191 (16, 1)	171.13309 (67, 8)	194.28427 (67, 8)
352300.0 /	275.54443 (15, 5)	206.74358 (15, 5)	168.62476 (16, 1)	175.55453 (67, 8)	205.27054 (67, 8)
352200.0 /	255.39604 (15, 5)	180.67639 (15, 5)	170.76950 (16, 1)	180.40186 (67, 8)	216.62018 (67, 8)
352100.0 /	227.76443 (15, 5)	169.91768 (16, 1)	173.36755 (273, 7)	188.04753 (273, 7)	219.81766 (2, 4)
352000.0 /	199.02100 (15, 5)	173.31035 (273, 7)	181.41296 (273, 7)	196.91698 (273, 7)	217.33594 (273, 7)
351900.0 /	172.82597 (15, 5)	181.56987 (273, 7)	189.09225 (273, 7)	205.51158 (273, 7)	225.48953 (273, 7)
351800.0 /	182.71701 (273, 7)	188.51901 (273, 7)	196.58344 (273, 7)	213.74164 (273, 7)	232.91739 (273, 7)
351700.0 /	192.04124 (273, 7)	194.66551 (273, 7)	203.98027 (273, 7)	217.97873 (2, 4)	239.52530 (273, 7)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* 50 MAXIMUM 3-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *

* FROM ALL SOURCES *

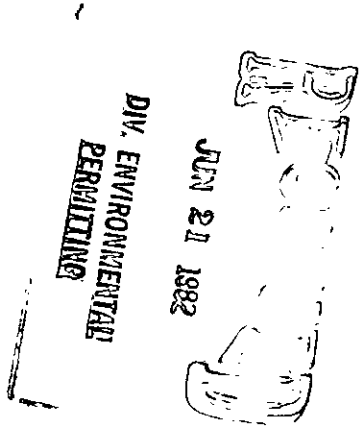
RANK	CON.	PER.	DAY	X OR RANGE (METERS)	Y(METERS) OR DIRECTION (DEGREES)	RANK	CON.	PER.	DAY	X OR RANGE (METERS)	Y(METERS) OR DIRECTION (DEGREES)
1	827.82611	4	2	437100.0	352500.0	26	705.78418	4	2	436900.0	351800.0
2	819.96283	4	2	437000.0	352300.0	27	683.05920	4	2	436700.0	351700.0
3	814.31702	4	2	437100.0	352400.0	28	677.32117	4	2	436800.0	352100.0
4	808.39130	4	2	437000.0	352200.0	29	667.92932	4	2	436700.0	351800.0
5	796.61029	4	2	437000.0	352400.0	30	660.53955	4	2	437000.0	351900.0
6	796.45087	4	2	437100.0	352600.0	31	657.03864	4	2	436900.0	351700.0
7	782.82214	4	2	436900.0	352100.0	32	656.10016	4	2	437200.0	352400.0
8	777.95557	4	2	437200.0	352700.0	33	641.87061	4	2	437300.0	352800.0
9	775.02069	4	2	436900.0	352000.0	34	640.54919	4	2	437100.0	352100.0
10	771.71844	4	2	437000.0	352100.0	35	639.24487	4	2	437300.0	352900.0
11	769.94775	4	2	437100.0	352300.0	36	634.85303	4	2	436700.0	351900.0
12	767.85736	4	2	437200.0	352600.0	37	632.12207	4	2	436900.0	352400.0
13	763.85083	4	2	436900.0	352200.0	38	631.36688	7	67	435900.0	351900.0
14	747.07471	4	2	436900.0	351900.0	39	631.18323	7	67	435800.0	351800.0
15	734.07410	4	2	436800.0	351900.0	40	628.36829	7	67	435700.0	351700.0
16	733.29956	4	2	437200.0	352800.0	41	628.20935	7	67	436000.0	352000.0
17	731.89252	4	2	437000.0	352500.0	42	627.50220	4	2	437000.0	352600.0
18	730.08533	4	2	436800.0	351800.0	43	626.42944	4	2	437200.0	352900.0
19	721.22961	4	2	437200.0	352500.0	44	620.88086	7	67	436100.0	352100.0
20	719.74847	4	2	437000.0	352000.0	45	613.28235	4	2	436800.0	352200.0
21	717.50378	4	2	436800.0	352000.0	46	611.79248	7	67	436000.0	352100.0
22	713.56848	4	2	436900.0	352300.0	47	611.22375	7	67	435900.0	352000.0
23	712.01563	4	2	437100.0	352700.0	48	609.20966	7	67	436100.0	352200.0
24	709.95740	4	2	436800.0	351700.0	49	608.44409	7	67	436200.0	352200.0
25	708.46527	4	2	437100.0	352200.0	50	608.20093	7	67	435800.0	351900.0

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE RECEPTOR GRID *

* MAXIMUM VALUE EQUALS 197.74132 AND OCCURRED AT (435600.0, 352800.0) *

Y-AXIS / (METERS) /	X-AXIS (METERS) 435500.0	435600.0	435700.0	435800.0	435900.0
353400.0 /	117.05527 (67, 1)	114.95039 (67, 1)	112.62731 (67, 1)	116.12479 (273, 1)	119.48427 (273, 1)
353300.0 /	109.81103 (67, 1)	111.44112 (273, 1)	113.78702 (273, 1)	115.05396 (273, 1)	114.94808 (273, 1)
353200.0 /	109.23092 (67, 1)	109.86102 (16, 1)	110.60789 (16, 1)	111.00009 (16, 1)	111.30911 (16, 1)
353100.0 /	119.50012 (16, 1)	120.29193 (16, 1)	121.17979 (16, 1)	124.62941 (15, 1)	143.28046 (15, 1)
353000.0 /	129.49033 (16, 1)	136.58069 (15, 1)	155.05397 (15, 1)	172.55882 (15, 1)	183.14224 (15, 1)
352900.0 /	163.47391 (15, 1)	180.28764 (15, 1)	191.27898 (15, 1)	191.06427 (15, 1)	176.04161 (15, 1)
352800.0 /	196.01215 (15, 1)	197.74132 (15, 1)	186.87840 (15, 1)	163.21869 (15, 1)	149.53113 (290, 1)
352700.0 /	193.72751 (15, 1)	174.72295 (15, 1)	159.44812 (290, 1)	145.71002 (290, 1)	130.95262 (16, 1)
352600.0 /	164.95146 (290, 1)	155.74408 (290, 1)	139.34363 (290, 1)	135.73889 (16, 1)	144.34213 (16, 1)
352500.0 /	149.27507 (290, 1)	135.70325 (16, 1)	140.77760 (16, 1)	151.47154 (16, 1)	164.70485 (16, 1)
352400.0 /	138.33586 (16, 1)	145.74519 (16, 1)	157.76723 (16, 1)	171.14520 (16, 1)	180.99106 (16, 1)
352300.0 /	150.39548 (16, 1)	163.12408 (16, 1)	176.22412 (16, 1)	185.28203 (16, 1)	185.83383 (16, 1)
352200.0 /	167.52132 (16, 1)	180.05704 (16, 1)	188.23529 (16, 1)	188.25845 (16, 1)	178.24438 (16, 1)
352100.0 /	182.78174 (16, 1)	190.04825 (16, 1)	189.57849 (16, 1)	179.91302 (16, 1)	162.62610 (16, 1)
352000.0 /	190.90430 (16, 1)	189.98601 (16, 1)	180.67058 (16, 1)	164.41953 (16, 1)	154.69272 (67, 1)
351900.0 /	189.64899 (16, 1)	180.67876 (16, 1)	165.40945 (16, 1)	155.88040 (67, 1)	160.50943 (67, 1)
351800.0 /	180.03917 (16, 1)	165.72919 (16, 1)	156.61221 (67, 1)	161.52567 (67, 1)	162.34854 (67, 1)
351700.0 /	165.32776 (16, 1)	156.93187 (67, 1)	162.07069 (67, 1)	163.55801 (67, 1)	160.92703 (67, 1)



*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE RECEPTOR GRID *

* MAXIMUM VALUE EQUALS 197.74132 AND OCCURRED AT (435600.0, 352800.0) *

Y-AXIS / (METERS) /	X-AXIS (METERS) 436000.0	436100.0	436200.0	436300.0	436400.0
353400.0 /	121.79265 (273, 1)	122.58276 (273, 1)	121.27550 (273, 1)	117.26875 (273, 1)	110.19165 (273, 1)
353300.0 /	113.18270 (273, 1)	109.51503 (273, 1)	103.82947 (273, 1)	108.43126 (15, 1)	123.73190 (15, 1)
353200.0 /	112.06386 (16, 1)	127.75436 (15, 1)	144.97096 (15, 1)	152.38254 (15, 1)	141.04086 (15, 1)
353100.0 /	161.05952 (15, 1)	170.56404 (15, 1)	163.88376 (15, 1)	138.33716 (15, 1)	109.92229 (290, 1)
353000.0 /	180.19388 (15, 1)	160.15610 (15, 1)	132.95114 (290, 1)	113.93105 (16, 1)	114.02068 (16, 1)
352900.0 /	148.90280 (290, 1)	134.02594 (290, 1)	120.86839 (16, 1)	125.64870 (16, 1)	133.79384 (16, 1)
352800.0 /	130.87794 (290, 1)	128.60864 (16, 1)	137.04034 (16, 1)	146.87593 (16, 1)	149.54211 (16, 1)
352700.0 /	136.60245 (16, 1)	147.56131 (16, 1)	158.19186 (16, 1)	160.69330 (16, 1)	149.42131 (16, 1)
352600.0 /	156.83655 (16, 1)	167.60750 (16, 1)	169.73611 (16, 1)	158.58344 (16, 1)	136.16617 (16, 1)
352500.0 /	175.16132 (16, 1)	176.80125 (16, 1)	165.86008 (16, 1)	144.30936 (16, 1)	138.60510 (67, 1)
352400.0 /	182.09094 (16, 1)	171.42419 (16, 1)	150.88484 (16, 1)	143.56873 (67, 1)	144.58594 (67, 1)
352300.0 /	175.48190 (16, 1)	156.02234 (16, 1)	147.52583 (67, 1)	149.66473 (67, 1)	144.82436 (67, 1)
352200.0 /	159.88068 (16, 1)	150.61761 (67, 1)	153.64537 (67, 1)	150.31813 (67, 1)	140.65706 (67, 1)
352100.0 /	152.96982 (67, 1)	156.68628 (67, 1)	154.66446 (67, 1)	146.80559 (67, 1)	133.14850 (67, 1)
352000.0 /	158.93216 (67, 1)	158.02283 (67, 1)	151.75061 (67, 1)	140.11838 (67, 1)	123.58769 (67, 1)
351900.0 /	160.54079 (67, 1)	155.65414 (67, 1)	145.84381 (67, 1)	131.29283 (67, 1)	113.37212 (67, 1)
351800.0 /	158.66811 (67, 1)	150.46762 (67, 1)	137.81079 (67, 1)	121.49782 (67, 1)	103.48589 (67, 1)
351700.0 /	154.13889 (67, 1)	143.21629 (67, 1)	128.62155 (67, 1)	111.66928 (67, 1)	95.30103 (273, 1)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE RECEPTOR GRID *

* MAXIMUM VALUE EQUALS 197.74132 AND OCCURRED AT (435600.0, 352800.0) *

Y-AXIS / (METERS) /	X-AXIS (METERS) 436500.0	436600.0	436700.0	436800.0	436900.0
353400.0 /	100.30080 (273, 1)	97.90762 (15, 1)	97.91460 (15, 1)	81.64429 (67, 1)	77.14681 (67, 1)
353300.0 /	127.84579 (15, 1)	111.76778 (15, 1)	86.26769 (67, 1)	82.19629 (67, 1)	76.56445 (67, 1)
353200.0 /	110.76680 (15, 1)	93.50873 (16, 1)	89.89983 (16, 1)	88.37672 (16, 1)	87.49496 (273, 1)
353100.0 /	103.02507 (16, 1)	104.32012 (16, 1)	104.86004 (16, 1)	94.83099 (16, 1)	98.10275 (273, 1)
353000.0 /	119.34962 (16, 1)	121.19443 (16, 1)	110.50985 (16, 1)	104.01369 (273, 1)	105.77354 (273, 1)
352900.0 /	136.29257 (16, 1)	125.20995 (16, 1)	108.05090 (273, 1)	111.23217 (273, 1)	110.86272 (273, 1)
352800.0 /	138.27913 (16, 1)	115.02902 (16, 1)	116.52257 (67, 1)	114.67398 (273, 1)	114.49767 (273, 1)
352700.0 /	126.38952 (16, 1)	125.16116 (67, 1)	121.34304 (67, 1)	115.52713 (273, 1)	117.47805 (273, 1)
352600.0 /	132.50650 (67, 1)	130.52573 (67, 1)	120.01509 (67, 1)	115.80501 (273, 1)	118.79880 (273, 1)
352500.0 /	138.25079 (67, 1)	129.77261 (67, 1)	114.95742 (273, 1)	115.92180 (273, 1)	117.31833 (273, 1)
352400.0 /	138.02048 (67, 1)	124.15160 (67, 1)	113.30449 (273, 1)	114.91051 (273, 1)	113.08590 (273, 1)
352300.0 /	133.14722 (67, 1)	115.13940 (67, 1)	111.74010 (273, 1)	112.10836 (273, 1)	112.51160 (2, 1)
352200.0 /	124.83086 (67, 1)	109.01641 (273, 1)	109.45346 (273, 1)	107.65073 (273, 1)	119.98186 (2, 1)
352100.0 /	114.70848 (67, 1)	106.45086 (273, 1)	106.08746 (273, 1)	109.20860 (2, 1)	122.80231 (2, 1)
352000.0 /	104.38873 (67, 1)	103.49834 (273, 1)	101.77832 (273, 1)	115.58757 (2, 1)	121.50533 (2, 1)
351900.0 /	100.82109 (273, 1)	99.98690 (273, 1)	104.99519 (2, 1)	118.23326 (2, 1)	117.08159 (2, 1)
351800.0 /	97.60721 (273, 1)	95.98946 (273, 1)	110.59036 (2, 1)	117.48754 (2, 1)	110.61662 (2, 1)
351700.0 /	94.16235 (273, 1)	100.55405 (2, 1)	113.15420 (2, 1)	114.04671 (2, 1)	103.06039 (2, 1)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE RECEPTOR GRID *

* MAXIMUM VALUE EQUALS 197.74132 AND OCCURRED AT (435600.0, 352800.0) *

Y-AXIS / (METERS) /	X-AXIS (METERS) 437000.0	437100.0	437200.0	437300.0	437400.0
353400.0 /	72.17838 (67, 1)	72.92790 (273, 1)	72.15631 (273, 1)	72.75331 (273, 1)	71.46284 (273, 1)
353300.0 /	80.22705 (273, 1)	80.52515 (273, 1)	80.70454 (273, 1)	83.72157 (273, 1)	75.15431 (273, 1)
353200.0 /	90.06332 (273, 1)	89.68266 (273, 1)	94.06084 (273, 1)	92.26845 (273, 1)	75.56146 (273, 1)
353100.0 /	98.71478 (273, 1)	101.24423 (273, 1)	105.60372 (273, 1)	93.90176 (273, 1)	73.67426 (273, 1)
353000.0 /	106.48213 (273, 1)	111.78072 (273, 1)	109.84994 (273, 1)	92.44814 (2, 1)	74.76180 (2, 1)
352900.0 /	113.70007 (273, 1)	117.62011 (273, 1)	106.94118 (273, 1)	99.86819 (2, 1)	72.71982 (2, 1)
352800.0 /	118.93468 (273, 1)	117.09047 (273, 1)	112.26134 (2, 1)	99.85259 (2, 1)	68.42569 (2, 1)
352700.0 /	120.14000 (273, 1)	111.57518 (273, 1)	117.82999 (2, 1)	94.77142 (2, 1)	66.61567 (273, 1)
352600.0 /	116.96786 (273, 1)	121.19019 (2, 1)	116.20297 (2, 1)	87.20840 (2, 1)	66.42887 (273, 1)
352500.0 /	113.56053 (2, 1)	125.25268 (2, 1)	109.76235 (2, 1)	79.01003 (2, 1)	66.81689 (273, 1)
352400.0 /	122.59155 (2, 1)	123.18133 (2, 1)	100.88046 (2, 1)	71.21057 (2, 1)	67.71304 (273, 1)
352300.0 /	125.81139 (2, 1)	116.87744 (2, 1)	91.29342 (2, 1)	66.42330 (273, 1)	69.05848 (273, 1)
352200.0 /	123.99487 (2, 1)	108.24174 (2, 1)	82.04390 (2, 1)	66.24581 (273, 1)	70.80352 (273, 1)
352100.0 /	118.53645 (2, 1)	98.74348 (2, 1)	73.64617 (2, 1)	66.55571 (273, 1)	72.90566 (273, 1)
352000.0 /	110.88467 (2, 1)	89.34136 (2, 1)	66.27956 (2, 1)	67.29543 (273, 1)	75.32582 (273, 1)
351900.0 /	102.23042 (2, 1)	80.57121 (2, 1)	65.48566 (273, 1)	68.41823 (273, 1)	78.00957 (273, 1)
351800.0 /	93.41433 (2, 1)	72.67474 (2, 1)	65.27324 (273, 1)	69.86853 (273, 1)	80.81065 (273, 1)
351700.0 /	84.95782 (2, 1)	65.71284 (2, 1)	65.42947 (273, 1)	71.61691 (273, 1)	83.73696 (273, 1)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* SECOND HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE RECEPTOR GRID *

* MAXIMUM VALUE EQUALS 164.03651 AND OCCURRED AT (435600.0, 352700.0) *

Y-AXIS / (METERS) /	X-AXIS (METERS) 435500.0	435600.0	435700.0	435800.0	435900.0
353400.0 /	102.81295 (273, 1)	107.58965 (273, 1)	112.07338 (273, 1)	110.27425 (67, 1)	108.07202 (67, 1)
353300.0 /	108.27299 (273, 1)	109.07361 (67, 1)	108.30904 (67, 1)	107.50627 (67, 1)	106.63583 (67, 1)
353200.0 /	108.78299 (16, 1)	109.14825 (67, 1)	108.76579 (67, 1)	108.10559 (67, 1)	107.19008 (67, 1)
353100.0 /	110.35359 (67, 1)	110.01033 (67, 1)	109.39688 (15, 1)	122.57458 (16, 1)	124.69964 (16, 1)
353000.0 /	120.76653 (15, 1)	131.30916 (16, 1)	133.70959 (16, 1)	136.19353 (16, 1)	137.42874 (16, 1)
352900.0 /	140.76926 (16, 1)	143.26434 (16, 1)	144.68413 (16, 1)	146.22028 (290, 1)	152.26414 (290, 1)
352800.0 /	150.06128 (16, 1)	149.81329 (290, 1)	157.92810 (290, 1)	158.78499 (290, 1)	131.45752 (16, 1)
352700.0 /	160.25720 (290, 1)	164.03651 (290, 1)	146.61850 (15, 1)	132.19589 (16, 1)	125.60299 (290, 1)
352600.0 /	158.66461 (15, 1)	137.21103 (16, 1)	133.59967 (16, 1)	124.13875 (67, 1)	123.28993 (67, 1)
352500.0 /	136.60968 (16, 1)	131.91519 (290, 1)	126.72641 (67, 1)	125.46867 (67, 1)	121.83722 (67, 1)
352400.0 /	127.79916 (67, 1)	128.59387 (67, 1)	127.03732 (67, 1)	123.70904 (67, 1)	120.81203 (67, 1)
352300.0 /	129.85077 (67, 1)	128.13470 (67, 1)	125.25516 (67, 1)	123.30163 (67, 1)	124.72528 (67, 1)
352200.0 /	128.87991 (67, 1)	126.54013 (67, 1)	125.48041 (67, 1)	127.64670 (67, 1)	133.88060 (67, 1)
352100.0 /	127.60896 (67, 1)	127.35934 (67, 1)	130.12425 (67, 1)	136.45544 (67, 1)	145.10904 (67, 1)
352000.0 /	128.95078 (67, 1)	132.18143 (67, 1)	138.52715 (67, 1)	146.90640 (67, 1)	144.99031 (16, 1)
351900.0 /	133.84650 (67, 1)	140.14273 (67, 1)	148.22597 (67, 1)	147.11365 (16, 1)	129.61491 (16, 1)
351800.0 /	141.33549 (67, 1)	149.12610 (67, 1)	148.52399 (16, 1)	131.81833 (16, 1)	118.27213 (273, 1)
351700.0 /	149.56635 (67, 1)	149.29819 (16, 1)	133.42616 (16, 1)	120.11193 (16, 1)	117.04791 (273, 1)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* SECOND HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE RECEPTOR GRID *

* MAXIMUM VALUE EQUALS 164.03651 AND OCCURRED AT (435600.0, 352700.0) *

Y-AXIS / (METERS) /	X-AXIS (METERS) 436000.0	436100.0	436200.0	436300.0	436400.0
353400.0 /	106.13017 (67, 1)	104.42416 (67, 1)	102.76864 (67, 1)	100.85323 (67, 1)	98.33553 (67, 1)
353300.0 /	105.63754 (67, 1)	104.39764 (67, 1)	102.72768 (67, 1)	100.89084 (16, 1)	102.16225 (16, 1)
353200.0 /	109.73958 (15, 1)	113.67763 (16, 1)	115.67429 (16, 1)	116.00108 (16, 1)	111.79403 (16, 1)
353100.0 /	127.04688 (16, 1)	127.94670 (16, 1)	127.40173 (290, 1)	125.31041 (290, 1)	108.06052 (16, 1)
353000.0 /	139.17953 (290, 1)	141.88832 (290, 1)	126.54845 (15, 1)	112.28322 (290, 1)	103.93906 (67, 1)
352900.0 /	147.30116 (15, 1)	123.34520 (16, 1)	111.84319 (67, 1)	109.01153 (67, 1)	103.09634 (67, 1)
352800.0 /	126.76409 (16, 1)	116.55306 (67, 1)	113.25774 (67, 1)	107.41451 (67, 1)	103.29803 (67, 1)
352700.0 /	120.35753 (67, 1)	116.73489 (67, 1)	111.32121 (67, 1)	108.41341 (67, 1)	111.98265 (67, 1)
352600.0 /	119.55132 (67, 1)	114.85110 (67, 1)	113.18108 (67, 1)	117.65698 (67, 1)	126.40973 (67, 1)
352500.0 /	118.00008 (67, 1)	117.49799 (67, 1)	122.69094 (67, 1)	131.71727 (67, 1)	119.74267 (16, 1)
352400.0 /	121.34415 (67, 1)	127.03839 (67, 1)	136.15749 (67, 1)	127.08359 (16, 1)	121.89459 (273, 1)
352300.0 /	130.75612 (67, 1)	139.81093 (67, 1)	133.19563 (16, 1)	121.72697 (273, 1)	120.72337 (273, 1)
352200.0 /	142.76823 (67, 1)	138.14766 (16, 1)	121.01280 (273, 1)	121.06216 (273, 1)	116.48360 (273, 1)
352100.0 /	142.04085 (16, 1)	123.11321 (16, 1)	120.91064 (273, 1)	117.18081 (273, 1)	111.10883 (273, 1)
352000.0 /	126.73849 (16, 1)	120.33605 (273, 1)	117.62669 (273, 1)	111.60754 (273, 1)	106.17773 (273, 1)
351900.0 /	119.42674 (273, 1)	117.74933 (273, 1)	112.26093 (273, 1)	105.99178 (273, 1)	102.11678 (273, 1)
351800.0 /	117.54461 (273, 1)	112.86663 (273, 1)	106.32771 (273, 1)	101.16409 (273, 1)	98.60937 (273, 1)
351700.0 /	113.30193 (273, 1)	106.95039 (273, 1)	100.90919 (273, 1)	97.08974 (273, 1)	94.35150 (67, 1)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* SECOND HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE RECEPTOR GRID *

* MAXIMUM VALUE EQUALS 164.03651 AND OCCURRED AT (435600.0, 352700.0) *

Y-AXIS / (METERS) /	X-AXIS (METERS) 436500.0	436600.0	436700.0	436800.0	436900.0
353400.0 /	94.96615 (67, 1)	90.74804 (67, 1)	86.09148 (67, 1)	79.36203 (15, 1)	68.41357 (273, 1)
353300.0 /	101.53918 (16, 1)	95.77754 (16, 1)	85.62804 (16, 1)	77.52453 (16, 1)	75.30483 (273, 1)
353200.0 /	102.65863 (16, 1)	92.02686 (67, 1)	87.62082 (67, 1)	81.53340 (67, 1)	79.27394 (16, 1)
353100.0 /	98.14906 (67, 1)	93.12146 (67, 1)	86.84069 (67, 1)	93.19625 (273, 1)	87.27121 (67, 1)
353000.0 /	98.32779 (67, 1)	92.37334 (67, 1)	97.25905 (273, 1)	96.29039 (67, 1)	95.94316 (67, 1)
352900.0 /	97.91313 (67, 1)	99.87018 (273, 1)	105.00983 (67, 1)	106.67800 (67, 1)	99.10768 (67, 1)
352800.0 /	105.71972 (67, 1)	113.04015 (67, 1)	115.08114 (273, 1)	110.77040 (67, 1)	96.54137 (67, 1)
352700.0 /	120.19189 (67, 1)	117.48897 (273, 1)	117.76437 (273, 1)	108.82513 (67, 1)	89.52008 (67, 1)
352600.0 /	118.70029 (273, 1)	119.99846 (273, 1)	116.95290 (273, 1)	101.94727 (67, 1)	81.11855 (67, 1)
352500.0 /	121.35146 (273, 1)	118.49239 (273, 1)	113.68013 (67, 1)	92.66106 (67, 1)	85.94863 (2, 1)
352400.0 /	119.82677 (273, 1)	115.02232 (273, 1)	104.25870 (67, 1)	83.56454 (67, 1)	100.70912 (2, 1)
352300.0 /	115.69008 (273, 1)	111.67863 (273, 1)	94.22467 (67, 1)	86.93200 (2, 1)	106.99808 (273, 1)
352200.0 /	111.04460 (273, 1)	104.81401 (67, 1)	85.09429 (67, 1)	99.34295 (2, 1)	100.13750 (273, 1)
352100.0 /	107.12871 (273, 1)	94.82977 (67, 1)	86.05093 (2, 1)	102.11595 (273, 1)	93.41814 (273, 1)
352000.0 /	103.88966 (273, 1)	85.90314 (67, 1)	96.58452 (2, 1)	96.17784 (273, 1)	87.45456 (273, 1)
351900.0 /	94.79556 (67, 1)	84.18933 (2, 1)	96.87794 (273, 1)	90.43333 (273, 1)	82.53203 (273, 1)
351800.0 /	86.17293 (67, 1)	93.25283 (2, 1)	91.79364 (273, 1)	85.32085 (273, 1)	78.66655 (273, 1)
351700.0 /	81.86975 (2, 1)	91.69354 (273, 1)	86.91681 (273, 1)	81.08246 (273, 1)	75.67665 (273, 1)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* SECOND HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE RECEPTOR GRID *

* MAXIMUM VALUE EQUALS 164.03651 AND OCCURRED AT (435600.0, 352700.0) *

Y-AXIS (METERS) /	X-AXIS (METERS) 437000.0	437100.0	437200.0	437300.0	437400.0
353400.0 /	70.46062 (273, 1)	67.78416 (67, 1)	64.32320 (67, 1)	60.46945 (67, 1)	57.11079 (67, 1)
353300.0 /	72.03754 (67, 1)	69.43254 (67, 1)	64.62286 (67, 1)	59.16182 (67, 1)	55.56513 (67, 1)
353200.0 /	78.07710 (67, 1)	73.16127 (67, 1)	64.60386 (67, 1)	60.82549 (2, 1)	65.46615 (2, 1)
353100.0 /	84.96618 (67, 1)	75.18045 (67, 1)	62.64351 (67, 1)	77.77287 (2, 1)	72.65610 (2, 1)
353000.0 /	87.00106 (67, 1)	72.24979 (67, 1)	79.26909 (2, 1)	90.20931 (273, 1)	71.15599 (273, 1)
352900.0 /	83.91913 (67, 1)	73.13823 (2, 1)	98.59056 (2, 1)	84.43098 (273, 1)	68.97311 (273, 1)
352800.0 /	77.42448 (67, 1)	92.74978 (2, 1)	99.99632 (273, 1)	78.79601 (273, 1)	67.44648 (273, 1)
352700.0 /	81.79531 (2, 1)	109.99942 (2, 1)	91.99823 (273, 1)	74.23408 (273, 1)	63.38583 (2, 1)
352600.0 /	99.23438 (2, 1)	103.59408 (273, 1)	84.72499 (273, 1)	70.88937 (273, 1)	58.45511 (2, 1)
352500.0 /	110.69089 (273, 1)	95.25536 (273, 1)	78.85950 (273, 1)	68.60313 (273, 1)	54.01202 (2, 1)
352400.0 /	103.00826 (273, 1)	87.81554 (273, 1)	74.42406 (273, 1)	67.16981 (273, 1)	50.16686 (2, 1)
352300.0 /	95.31374 (273, 1)	81.77068 (273, 1)	71.17311 (273, 1)	64.26365 (2, 1)	46.90388 (2, 1)
352200.0 /	88.48514 (273, 1)	77.10580 (273, 1)	68.83186 (273, 1)	58.28649 (2, 1)	46.65564 (67, 1)
352100.0 /	82.90303 (273, 1)	73.56239 (273, 1)	67.18922 (273, 1)	53.23146 (2, 1)	46.93896 (67, 1)
352000.0 /	78.55335 (273, 1)	70.84474 (273, 1)	66.10562 (273, 1)	48.98648 (2, 1)	47.25953 (67, 1)
351900.0 /	75.15683 (273, 1)	68.69019 (273, 1)	59.93852 (2, 1)	45.42596 (2, 1)	47.56890 (67, 1)
351800.0 /	72.45770 (273, 1)	66.99887 (273, 1)	54.53078 (2, 1)	42.43364 (2, 1)	47.83100 (67, 1)
351700.0 /	70.22785 (273, 1)	65.70938 (273, 1)	49.93367 (2, 1)	42.33555 (67, 1)	48.02185 (67, 1)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* 50 MAXIMUM 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *

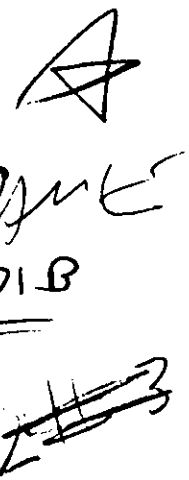
* FROM ALL SOURCES *

RANK	CON.	PER.	DAY	X OR RANGE (METERS)	Y(METERS) OR DIRECTION (DEGREES)	RANK	CON.	PER.	DAY	X OR RANGE (METERS)	Y(METERS) OR DIRECTION (DEGREES)
1	197.74132	1	15	435600.0	352800.0	26	179.91302	1	16	435800.0	352100.0
2	196.01215	1	15	435500.0	352800.0	27	178.24438	1	16	435900.0	352200.0
3	193.72751	1	15	435500.0	352700.0	28	176.80125	1	16	436100.0	352500.0
4	191.27898	1	15	435700.0	352900.0	29	176.22412	1	16	435700.0	352300.0
5	191.06427	1	15	435800.0	352900.0	30	176.04161	1	15	435900.0	352900.0
6	190.90430	1	16	435500.0	352000.0	31	175.48190	1	16	436000.0	352300.0
7	190.04825	1	16	435600.0	352100.0	32	175.16132	1	16	436000.0	352500.0
8	189.98601	1	16	435600.0	352000.0	33	174.72295	1	15	435600.0	352700.0
9	189.64899	1	16	435500.0	351900.0	34	172.55882	1	15	435800.0	353000.0
10	189.57849	1	16	435700.0	352100.0	35	171.42419	1	16	436100.0	352400.0
11	188.25845	1	16	435800.0	352200.0	36	171.14520	1	16	435800.0	352400.0
12	188.23529	1	16	435700.0	352200.0	37	170.56404	1	15	436100.0	353100.0
13	186.87840	1	15	435700.0	352800.0	38	169.73611	1	16	436200.0	352600.0
14	185.83383	1	16	435900.0	352300.0	39	167.60750	1	16	436100.0	352600.0
15	185.28203	1	16	435800.0	352300.0	40	167.52132	1	16	435500.0	352200.0
16	183.14224	1	15	435900.0	353000.0	41	165.86008	1	16	436200.0	352500.0
17	182.78174	1	16	435500.0	352100.0	42	165.72919	1	16	435600.0	351800.0
18	182.09094	1	16	436000.0	352400.0	43	165.40945	1	16	435700.0	351900.0
19	180.99106	1	16	435900.0	352400.0	44	165.32776	1	16	435500.0	351700.0
20	180.67876	1	16	435600.0	351900.0	45	164.95146	1	290	435500.0	352600.0
21	180.67058	1	16	435700.0	352000.0	46	164.70485	1	16	435900.0	352500.0
22	180.28764	1	15	435600.0	352900.0	47	164.41953	1	16	435800.0	352000.0
23	180.19388	1	15	436000.0	353000.0	48	164.03651	1	290	435600.0	352700.0
24	180.05704	1	16	435600.0	352200.0	49	163.88376	1	15	436200.0	353100.0
25	180.03917	1	16	435500.0	351800.0	50	163.55801	1	67	435800.0	351700.0

ISCST FINE GRID ANALYSIS
PRODUCING SECOND-HIGHEST 3-HOUR AVERAGE

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

CALCULATE (CONCENTRATION=1,DEPOSITION=2)	ISW(1) = 1
RECEPTOR GRID SYSTEM (RECTANGULAR=1 OR 3, POLAR=2 OR 4)	ISW(2) = 3
DISCRETE RECEPTOR SYSTEM (RECTANGULAR=1,POLAR=2)	ISW(3) = 1
TERRAIN ELEVATIONS ARE READ (YES=1,NO=0)	ISW(4) = 0
CALCULATIONS ARE WRITTEN TO TAPE (YES=1,NO=0)	ISW(5) = 0
LIST ALL INPUT DATA (NO=0,YES=1,MET DATA ALSO=2)	ISW(6) = 2
COMPUTE AVERAGE CONCENTRATION (OR TOTAL DEPOSITION) WITH THE FOLLOWING TIME PERIODS:	
HOURLY (YES=1,NO=0)	ISW(7) = 0
2-HOUR (YES=1,NO=0)	ISW(8) = 0
3-HOUR (YES=1,NO=0)	ISW(9) = 1
4-HOUR (YES=1,NO=0)	ISW(10) = 0
6-HOUR (YES=1,NO=0)	ISW(11) = 0
8-HOUR (YES=1,NO=0)	ISW(12) = 0
12-HOUR (YES=1,NO=0)	ISW(13) = 0
24-HOUR (YES=1,NO=0)	ISW(14) = 1
PRINT 'N'-DAY TABLE(S) (YES=1,NO=0)	ISW(15) = 0
PRINT THE FOLLOWING TYPES OF TABLES WHOSE TIME PERIODS ARE SPECIFIED BY ISW(7) THROUGH ISW(14):	
DAILY TABLES (YES=1,NO=0)	ISW(16) = 0
HIGHEST & SECOND HIGHEST TABLES (YES=1,NO=0)	ISW(17) = 1
MAXIMUM 50 TABLES (YES=1,NO=0)	ISW(18) = 1
METEOROLOGICAL DATA INPUT METHOD (PRE-PROCESSED=1,CARD=2)	ISW(19) = 1
RURAL-URBAN OPTION (RURAL=0,URBAN MODE 1=1,URBAN MODE 2=2)	ISW(20) = 0
WIND PROFILE EXPONENT VALUES (DEFAULTS=1,USER ENTERS=2,3)	ISW(21) = 1
VERTICAL POT. TEMP. GRADIENT VALUES (DEFAULTS=1,USER ENTERS=2,3)	ISW(22) = 1
SCALE EMISSION RATES FOR ALL SOURCES (NO=0,YES>0)	ISW(23) = 0
PROGRAM CALCULATES FINAL PLUME RISE ONLY (YES=1,NO=2)	ISW(24) = 1
PROGRAM ADJUSTS ALL STACK HEIGHTS FOR DOWNWASH (YES=2,NO=1)	ISW(25) = 1
NUMBER OF INPUT SOURCES	NSOURC = 17
NUMBER OF SOURCE GROUPS (=0,ALL SOURCES)	NGROUP = 0
TIME PERIOD INTERVAL TO BE PRINTED (=0,ALL INTERVALS)	IPERD = 0
NUMBER OF X (RANGE) GRID VALUES	NXPNTS = 18
NUMBER OF Y (THETA) GRID VALUES	NYPNTS = 21
NUMBER OF DISCRETE RECEPTORS	NXWYPT = 0
SOURCE EMISSION RATE UNITS CONVERSION FACTOR	TK =.10000E+07
ENTRAINMENT COEFFICIENT FOR UNSTABLE ATMOSPHERE	BETA1 =0.600
ENTRAINMENT COEFFICIENT FOR STABLE ATMOSPHERE	BETA2 =0.600
HEIGHT ABOVE GROUND AT WHICH WIND SPEED WAS MEASURED	ZR = 7.00 METERS
LOGICAL UNIT NUMBER OF METEOROLOGICAL DATA	IMET = 9
DECAY COEFFICIENT FOR PHYSICAL OR CHEMICAL DEPLETION	DECAY =0.000000E+00
SURFACE STATION NO.	ISS = 13889
YEAR OF SURFACE DATA	ISY = 71
UPPER AIR STATION NO.	IUS = 13861
YEAR OF UPPER AIR DATA	IUY = 71
ALLOCATED DATA STORAGE	LIMIT = 43500 WORDS
REQUIRED DATA STORAGE FOR THIS PROBLEM RUN	MIMIT = 8632 WORDS



*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

*** METEOROLOGICAL DAYS TO BE PROCESSED ***
(IF=1)

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0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 1
1 0 0 0 0 0 0 0 0 1   0 1 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 1   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 1 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 1 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0
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*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** WIND PROFILE EXPONENTS ***

STABILITY CATEGORY	WIND SPEED CATEGORY 1	2	3	4	5	6
A	.10000E+00	.10000E+00	.10000E+00	.10000E+00	.10000E+00	.10000E+00
B	.15000E+00	.15000E+00	.15000E+00	.15000E+00	.15000E+00	.15000E+00
C	.20000E+00	.20000E+00	.20000E+00	.20000E+00	.20000E+00	.20000E+00
D	.25000E+00	.25000E+00	.25000E+00	.25000E+00	.25000E+00	.25000E+00
E	.30000E+00	.30000E+00	.30000E+00	.30000E+00	.30000E+00	.30000E+00
F	.30000E+00	.30000E+00	.30000E+00	.30000E+00	.30000E+00	.30000E+00

*** VERTICAL POTENTIAL TEMPERATURE GRADIENTS ***
(DEGREES KELVIN PER METER)

STABILITY CATEGORY	WIND SPEED CATEGORY 1	2	3	4	5	6
A	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
B	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
C	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
D	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
E	.20000E-01	.20000E-01	.20000E-01	.20000E-01	.20000E-01	.20000E-01
F	.35000E-01	.35000E-01	.35000E-01	.35000E-01	.35000E-01	.35000E-01

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

*** X-COORDINATES OF RECTANGULAR GRID SYSTEM ***
(METERS)

437500.0, 437600.0, 437700.0, 437800.0, 437900.0, 438000.0, 438100.0, 438200.0, 438300.0, 438400.0,
438500.0, 438600.0, 438700.0, 438800.0, 438900.0, 439000.0, 439100.0, 439200.0,

*** Y-COORDINATES OF RECTANGULAR GRID SYSTEM ***
(METERS)

352700.0, 352800.0, 352900.0, 353000.0, 353100.0, 353200.0, 353300.0, 353400.0, 353500.0, 353600.0,
353700.0, 353800.0, 353900.0, 354000.0, 354100.0, 354200.0, 354300.0, 354400.0, 354500.0, 354600.0,
354700.0,

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

*** SOURCE DATA ***

SOURCE NUMBER	TYPE	WAKE	NUMBER PART. CATS.	EMISSION RATE TYPE=0,1 (GRAMS/SEC) TYPE=2 (GRAMS/SEC) *PER METER**2	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	HEIGHT (METERS)	TEMP. TYPE=0 (DEG.K); VERT.DIM TYPE=1 (METERS)	EXIT VEL. TYPE=0 (M/SEC); HORZ.DIM TYPE=1,2 (METERS)	DIAMETER TYPE=0 (METERS)	BLDG. HEIGHT TYPE=0 (METERS)	BLDG. LENGTH TYPE=0 (METERS)	BLDG. WIDTH TYPE=0 (METERS)
1	0	0	0	0.11766E+04	446900.0	366300.0	0.0	194.20	327.60	18.29	10.13	0.00	0.00	0.00
2	0	0	0	0.70570E+03	446900.0	364900.0	0.0	76.20	401.00	20.10	5.03	0.00	0.00	0.00
3	0	0	0	0.70570E+03	446900.0	364900.0	0.0	91.40	408.20	8.50	5.33	0.00	0.00	0.00
4	0	0	0	0.12556E+04	446900.0	364900.0	0.0	106.70	438.80	19.20	7.01	0.00	0.00	0.00
5	0	0	0	0.23160E+03	446900.0	364900.0	0.0	10.10	779.80	18.30	6.56	0.00	0.00	0.00
6	0	0	0	0.13180E+03	437670.0	353900.0	0.0	40.70	433.20	11.70	2.44	0.00	0.00	0.00
7	0	0	0	0.90600E+02	437670.0	353900.0	0.0	40.70	406.50	10.30	3.05	0.00	0.00	0.00
8	0	0	0	0.11030E+03	437670.0	353900.0	0.0	43.70	422.10	11.80	3.35	0.00	0.00	0.00
9	0	0	0	0.20970E+03	437670.0	353900.0	0.0	44.20	416.50	13.70	3.05	0.00	0.00	0.00
10	0	0	0	0.16520E+03	440080.0	359150.0	0.0	45.70	414.30	7.80	3.20	0.00	0.00	0.00
11	0	0	0	0.20480E+03	440080.0	359150.0	0.0	41.50	405.40	15.50	2.74	0.00	0.00	0.00
12	0	0	0	0.19120E+03	440080.0	359150.0	0.0	13.70	714.30	8.80	5.84	0.00	0.00	0.00
13	0	0	0	0.13800E+02	440080.0	359150.0	0.0	6.30	766.50	11.80	3.13	0.00	0.00	0.00
14	0	0	0	0.20840E+03	441800.0	365600.0	0.0	32.30	433.00	16.10	2.13	0.00	0.00	0.00
15	0	0	0	0.82200E+02	437900.0	366800.0	0.0	15.90	505.00	8.60	1.37	0.00	0.00	0.00
16	0	0	0	0.54400E+02	439900.0	359300.0	0.0	76.20	477.00	9.20	3.78	0.00	0.00	0.00
17	0	0	0	0.25600E+02	447040.0	366570.0	0.0	85.40	441.00	12.20	2.08	0.00	0.00	0.00

Source NO.	Source Name
1	SJRPP Units 1 & 2
2	Northside Unit 1
3	Northside Unit 2
4	Northside Unit 3
5	Northside CT 3, 4, 5, 6
6	Southside Units 1 & 2
7	Southside Unit 3
8	Southside Unit 4
9	Southside Unit 5
10	Kennedy Units 8 & 9
11	Kennedy Unit 10
12	Kennedy CT 3, 4, 5, 6
13	Kennedy CT 1
14	St. Regis (All major sources)
15	Anheuser Busch (All major sources)
16	Alton Box Board (All major sources)
17	SJRPP Aux. Boiler

* SOURCE-RECEPTOR COMBINATIONS LESS THAN 100 METERS OR THREE BUILDING HEIGHTS IN DISTANCE. NO AVERAGE CONCENTRATION IS CALCULATED *

SOURCE NUMBER	- - RECEPTOR LOCATION - - X OR RANGE (METERS)	Y (METERS) OR DIRECTION (DEGREES)	DISTANCE BETWEEN (METERS)
6	437600.0	353900.0	70.00
6	437700.0	353900.0	30.00
7	437600.0	353900.0	70.00
7	437700.0	353900.0	30.00
8	437600.0	353900.0	70.00
8	437700.0	353900.0	30.00
9	437600.0	353900.0	70.00
9	437700.0	353900.0	30.00

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* METEOROLOGICAL DATA FOR DAY 100 *

HOUR	FLOW VECTOR (DEGREES)	RANDOM FLOW VECTOR (DEGREES)	WIND SPEED (MPS)	MIXING HEIGHT (METERS)	TEMP. (DEG. K)	INPUT STABILITY CATEGORY	ADJUSTED STABILITY CATEGORY
1	50.0	50.0	2.57	2093.5	286.5	6	6
2	50.0	54.0	3.09	2123.8	285.9	6	6
3	50.0	48.0	3.09	2154.2	285.9	6	6
4	80.0	78.0	2.57	2184.5	283.2	6	6
5	80.0	84.0	1.00	2214.9	282.0	6	6
6	120.0	118.0	1.54	2245.2	280.4	6	6
7	120.0	124.0	1.00	267.1	282.0	6	6
8	70.0	66.0	2.06	584.4	287.0	5	5
9	60.0	64.0	3.09	901.6	291.5	4	4
10	90.0	86.0	2.06	1218.9	294.3	3	3
11	140.0	142.0	2.57	1536.2	297.6	2	2
12	80.0	84.0	4.12	1853.5	298.7	2	2
13	80.0	81.0	2.06	2170.7	299.8	1	1
14	80.0	83.0	3.60	2488.0	300.4	2	2
15	90.0	88.0	3.09	2488.0	300.9	2	2
16	70.0	68.0	2.06	2488.0	300.9	2	2
17	310.0	308.0	6.17	2488.0	298.2	3	3
18	310.0	311.0	4.63	2488.0	295.9	4	4
19	310.0	312.0	2.57	2485.8	293.7	5	5
20	340.0	344.0	2.06	2476.8	290.9	6	6
21	340.0	339.0	1.00	2467.8	288.7	6	6
22	340.0	343.0	1.00	2458.8	288.2	6	6
23	70.0	72.0	2.57	2449.9	285.9	6	6
24	250.0	246.0	1.54	2440.9	285.4	6	6

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* METEOROLOGICAL DATA FOR DAY 101 *

HOUR	FLOW VECTOR (DEGREES)	RANDOM FLOW VECTOR (DEGREES)	WIND SPEED (MPS)	MIXING HEIGHT (METERS)	TEMP. (DEG. K)	INPUT STABILITY CATEGORY	ADJUSTED STABILITY CATEGORY
1	250.0	246.0	1.00	2431.9	284.8	6	6
2	250.0	250.0	1.00	2422.9	283.2	6	6
3	330.0	330.0	1.54	2413.9	282.6	6	6
4	330.0	326.0	1.00	2404.9	282.0	6	6
5	330.0	334.0	1.00	2396.0	281.5	6	6
6	270.0	270.0	1.54	2387.0	281.5	6	6
7	190.0	195.0	2.57	253.7	282.0	6	6
8	180.0	180.0	1.54	548.1	287.6	5	5
9	230.0	234.0	1.54	842.6	292.0	4	4
10	240.0	237.0	3.60	1137.1	294.8	3	3
11	230.0	234.0	5.14	1431.6	297.6	3	3
12	240.0	236.0	5.66	1726.0	298.7	3	3
13	280.0	279.0	4.63	2020.5	298.7	2	2
14	270.0	274.0	6.17	2315.0	298.7	3	3
15	260.0	264.0	5.14	2315.0	298.7	3	3
16	240.0	242.0	6.17	2315.0	297.6	4	4
17	240.0	243.0	6.69	2315.0	296.5	4	4
18	260.0	261.0	5.14	2315.0	294.8	4	4
19	250.0	248.0	3.09	2312.7	291.5	5	5
20	270.0	266.0	3.09	2302.8	289.8	6	6
21	330.0	326.0	3.09	2292.8	287.6	6	6
22	310.0	309.0	2.06	2282.9	287.6	6	6
23	310.0	315.0	1.00	2273.0	285.4	6	6
24	180.0	177.0	1.54	2263.0	284.3	6	6

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* METEOROLOGICAL DATA FOR DAY 110 *

HOUR	FLOW VECTOR (DEGREES)	RANDOM FLOW VECTOR (DEGREES)	WIND SPEED (MPS)	MIXING HEIGHT (METERS)	TEMP. (DEG. K)	INPUT STABILITY CATEGORY	ADJUSTED STABILITY CATEGORY
1	240.0	239.0	2.57	2429.7	292.0	5	5
2	240.0	238.0	1.00	2458.7	290.9	6	6
3	240.0	239.0	1.00	2487.6	290.4	6	6
4	240.0	243.0	1.00	2516.6	289.3	6	6
5	240.0	245.0	1.00	2545.5	289.3	6	6
6	240.0	244.0	1.00	10.4	288.7	6	6
7	240.0	239.0	1.00	359.9	289.8	5	5
8	320.0	318.0	3.09	709.3	294.3	4	4
9	320.0	323.0	4.12	1058.8	296.5	3	3
10	40.0	44.0	4.12	1408.2	298.2	3	3
11	10.0	7.0	4.12	1757.7	299.3	2	2
12	60.0	65.0	3.09	2107.1	301.5	2	2
13	150.0	146.0	1.54	2456.6	302.6	1	1
14	130.0	126.0	4.12	2806.0	303.2	2	2
15	130.0	133.0	2.06	2806.0	302.6	3	3
16	50.0	53.0	5.66	2806.0	303.7	4	4
17	80.0	82.0	5.14	2806.0	303.2	4	4
18	80.0	79.0	3.09	2806.0	301.5	4	4
19	70.0	73.0	2.57	2800.9	298.7	5	5
20	70.0	66.0	2.57	2764.5	297.0	6	6
21	50.0	52.0	3.60	2728.0	295.4	5	5
22	50.0	48.0	2.57	2691.6	294.8	6	6
23	70.0	71.0	3.60	2655.2	292.6	5	5
24	70.0	75.0	3.60	2618.8	292.6	5	5

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* METEOROLOGICAL DATA FOR DAY 112 *

HOUR	FLOW VECTOR (DEGREES)	RANDOM FLOW VECTOR (DEGREES)	WIND SPEED (MPS)	MIXING HEIGHT (METERS)	TEMP. (DEG. K)	INPUT STABILITY CATEGORY	ADJUSTED STABILITY CATEGORY
1	60.0	60.0	4.12	2379.1	293.7	5	5
2	70.0	70.0	3.60	2423.3	293.7	5	5
3	60.0	56.0	2.57	2467.4	293.7	6	6
4	70.0	67.0	2.57	2511.6	293.2	6	6
5	50.0	50.0	3.09	2555.7	293.2	6	6
6	40.0	37.0	3.09	23.8	293.7	5	5
7	50.0	55.0	4.63	390.0	294.3	4	4
8	60.0	61.0	5.66	756.1	295.9	4	4
9	90.0	86.0	7.72	1122.3	297.6	4	4
10	100.0	104.0	7.20	1488.4	299.8	4	4
11	70.0	69.0	5.66	1854.6	300.9	3	3
12	90.0	91.0	7.20	2220.7	302.0	3	3
13	80.0	85.0	6.17	2586.9	303.7	3	3
14	80.0	84.0	6.17	2953.0	303.7	3	3
15	80.0	80.0	9.26	2953.0	304.3	4	4
16	80.0	81.0	7.72	2953.0	303.2	4	4
17	80.0	79.0	7.20	2953.0	302.0	4	4
18	110.0	113.0	6.69	2953.0	296.5	4	4
19	100.0	99.0	6.69	2946.2	295.4	4	4
20	50.0	54.0	2.06	2889.9	293.7	5	5
21	60.0	56.0	3.60	2833.5	293.2	4	4
22	60.0	58.0	1.00	2777.1	293.2	5	5
23	60.0	64.0	1.00	2720.7	293.2	6	6
24	40.0	37.0	3.60	2664.3	292.6	5	5

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* METEOROLOGICAL DATA FOR DAY 180 *

HOUR	FLOW VECTOR (DEGREES)	RANDOM FLOW VECTOR (DEGREES)	WIND SPEED (MPS)	MIXING HEIGHT (METERS)	TEMP. (DEG. K)	INPUT STABILITY CATEGORY	ADJUSTED STABILITY CATEGORY
1	50.0	46.0	1.54	1416.3	295.4	6	6
2	360.0	359.0	1.54	1412.7	294.8	6	6
3	360.0	2.0	1.00	1409.2	294.8	6	6
4	360.0	2.0	1.00	1405.6	294.8	6	6
5	360.0	359.0	1.00	1402.0	294.3	6	6
6	360.0	356.0	1.00	78.8	294.3	6	6
7	50.0	49.0	1.54	240.2	296.5	5	5
8	80.0	78.0	2.06	401.6	298.7	4	4
9	120.0	120.0	2.06	563.0	300.4	3	3
10	120.0	125.0	1.00	724.4	302.0	2	2
11	80.0	82.0	1.54	885.8	303.7	1	1
12	80.0	82.0	2.57	1047.2	304.3	1	1
13	250.0	255.0	1.54	1208.6	304.3	1	1
14	340.0	336.0	7.72	1370.0	297.6	2	2
15	70.0	74.0	1.54	1370.0	297.0	3	3
16	10.0	15.0	1.54	1370.0	296.5	3	3
17	110.0	113.0	2.06	1370.0	297.0	3	3
18	160.0	157.0	2.57	1370.0	297.0	3	3
19	50.0	55.0	2.06	1370.0	297.0	4	4
20	50.0	52.0	2.06	1377.2	296.5	5	5
21	80.0	79.0	1.54	1390.7	296.5	4	4
22	190.0	192.0	1.54	1404.1	295.9	5	5
23	250.0	254.0	2.06	1417.5	295.4	6	6
24	250.0	247.0	1.00	1431.0	295.4	6	6

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* METEOROLOGICAL DATA FOR DAY 207 *

HOUR	FLOW VECTOR (DEGREES)	RANDOM FLOW VECTOR (DEGREES)	WIND SPEED (MPS)	MIXING HEIGHT (METERS)	TEMP. (DEG. K)	INPUT STABILITY CATEGORY	ADJUSTED STABILITY CATEGORY
1	10.0	10.0	1.54	2093.8	297.6	6	6
2	10.0	15.0	1.54	2088.8	297.6	6	6
3	10.0	13.0	1.00	2083.8	297.6	6	6
4	10.0	6.0	1.00	2078.9	297.0	6	6
5	360.0	358.0	2.06	2073.9	297.0	6	6
6	360.0	356.0	2.57	64.9	297.0	5	5
7	30.0	27.0	1.54	310.4	297.6	4	4
8	50.0	49.0	3.09	555.9	298.7	4	4
9	360.0	357.0	2.57	801.4	300.9	3	3
10	10.0	14.0	4.12	1046.9	303.2	3	3
11	360.0	360.0	2.57	1292.4	303.2	2	2
12	50.0	46.0	1.54	1538.0	303.7	1	1
13	60.0	63.0	4.63	1783.5	304.8	2	2
14	70.0	68.0	4.12	2029.0	305.9	2	2
15	60.0	63.0	4.12	2029.0	306.5	3	3
16	60.0	59.0	4.63	2029.0	307.0	4	4
17	90.0	94.0	4.12	2029.0	303.2	4	4
18	70.0	74.0	1.54	2029.0	302.6	3	3
19	330.0	333.0	1.54	2029.0	299.8	3	3
20	330.0	328.0	1.00	2015.7	299.3	4	4
21	330.0	329.0	1.00	1995.3	298.7	5	5
22	330.0	330.0	1.54	1974.8	298.2	6	6
23	330.0	329.0	1.00	1954.4	298.7	6	6
24	330.0	327.0	1.00	1934.0	298.2	6	6

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* METEOROLOGICAL DATA FOR DAY 273 *

HOUR	FLOW VECTOR (DEGREES)	RANDOM FLOW VECTOR (DEGREES)	WIND SPEED (MPS)	MIXING HEIGHT (METERS)	TEMP. (DEG. K)	INPUT STABILITY CATEGORY	ADJUSTED STABILITY CATEGORY
1	120.0	122.0	2.06	1785.6	291.5	6	6
2	130.0	135.0	2.06	1776.5	291.5	6	6
3	130.0	133.0	2.06	1767.4	290.9	6	6
4	120.0	125.0	2.06	1758.2	290.4	6	6
5	100.0	99.0	1.54	1749.1	290.4	6	6
6	120.0	123.0	2.57	1740.0	289.3	6	6
7	130.0	126.0	2.57	140.7	290.4	5	5
8	150.0	146.0	3.09	358.7	293.2	4	4
9	180.0	185.0	4.12	576.8	295.9	3	3
10	160.0	156.0	3.60	794.8	298.2	2	2
11	160.0	161.0	3.09	1012.9	300.4	2	2
12	170.0	166.0	3.09	1230.9	302.0	2	2
13	170.0	173.0	3.60	1449.0	303.2	2	2
14	160.0	156.0	4.12	1667.0	303.7	3	3
15	180.0	182.0	2.57	1667.0	304.3	2	2
16	190.0	190.0	3.60	1667.0	304.3	3	3
17	140.0	138.0	3.09	1667.0	303.7	4	4
18	140.0	144.0	1.00	1667.0	301.5	3	3
19	60.0	58.0	1.54	1687.3	297.0	4	4
20	60.0	57.0	1.00	1711.5	295.4	5	5
21	50.0	53.0	2.06	1735.8	294.3	6	6
22	110.0	110.0	2.06	1760.0	293.2	6	6
23	110.0	109.0	1.00	1784.3	292.0	6	6
24	130.0	133.0	1.54	1808.5	292.6	6	6

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* HIGHEST 3-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE RECEPTOR GRID *

* MAXIMUM VALUE EQUALS 724.50140 AND OCCURRED AT (438700.0, 354400.0) *

Y-AXIS (METERS) /	X-AXIS (METERS) 437500.0	437600.0	437700.0	437800.0	437900.0
354700.0 /	114.77422 (180, 5)	114.02963 (207, 4)	228.05188 (110, 4)	258.70633 (110, 4)	161.64139 (110, 4)
354600.0 /	156.65990 (180, 5)	80.32417 (110, 4)	197.16815 (110, 4)	213.11998 (110, 4)	109.10553 (110, 4)
354500.0 /	202.50671 (180, 5)	59.10878 (101, 3)	141.08450 (110, 4)	140.97137 (110, 4)	72.31924 (101, 3)
354400.0 /	227.42998 (180, 5)	58.81205 (101, 3)	70.01780 (110, 4)	69.83521 (101, 3)	72.09447 (101, 3)
354300.0 /	180.41423 (180, 5)	58.52753 (101, 3)	64.96870 (101, 3)	69.51020 (101, 3)	71.96971 (101, 3)
354200.0 /	64.24567 (180, 5)	58.25893 (101, 3)	64.64801 (101, 3)	69.25433 (101, 3)	71.96029 (101, 3)
354100.0 /	50.40421 (101, 3)	58.01089 (101, 3)	64.37196 (101, 3)	69.08008 (101, 3)	72.08199 (101, 3)
354000.0 /	50.26210 (101, 3)	57.78908 (101, 3)	64.15001 (101, 3)	69.00105 (101, 3)	72.35061 (101, 3)
353900.0 /	50.13318 (101, 3)	57.60026 (101, 3)	63.99285 (101, 3)	69.03154 (101, 3)	72.78138 (101, 3)
353800.0 /	50.02207 (101, 3)	57.45235 (101, 3)	63.91232 (101, 3)	69.18633 (101, 3)	73.38853 (101, 3)
353700.0 /	49.93434 (101, 3)	57.35445 (101, 3)	63.92121 (101, 3)	69.48016 (101, 3)	74.18494 (101, 3)
353600.0 /	49.87656 (101, 3)	57.31670 (101, 3)	64.03294 (101, 3)	69.92741 (101, 3)	75.18204 (101, 3)
353500.0 /	49.85636 (101, 3)	57.35034 (101, 3)	64.26141 (101, 3)	70.54170 (101, 3)	76.39015 (101, 3)
353400.0 /	49.88240 (101, 3)	57.46739 (101, 3)	64.62050 (101, 3)	83.16903 (273, 4)	129.66838 (273, 4)
353300.0 /	49.96438 (101, 3)	70.87260 (273, 5)	142.33115 (273, 5)	185.58569 (273, 4)	297.77835 (273, 4)
353200.0 /	50.49209 (273, 5)	147.25868 (273, 5)	243.92319 (273, 5)	275.94135 (273, 4)	455.29150 (273, 4)
353100.0 /	98.05727 (273, 5)	227.36040 (273, 5)	332.82623 (273, 5)	328.71939 (273, 4)	553.16870 (273, 4)
353000.0 /	149.04300 (273, 5)	293.63812 (273, 5)	396.04724 (273, 5)	366.99347 (273, 5)	587.30206 (273, 4)
352900.0 /	193.88687 (273, 5)	339.38327 (273, 5)	432.61728 (273, 5)	404.32065 (273, 5)	575.09973 (273, 4)
352800.0 /	228.00633 (273, 5)	365.35345 (273, 5)	447.27393 (273, 5)	421.48029 (273, 5)	536.21448 (273, 4)
352700.0 /	250.74084 (273, 5)	375.44894 (273, 5)	446.08618 (273, 5)	423.61761 (273, 5)	485.35175 (273, 4)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* HIGHEST 3-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE RECEPTOR GRID *

* MAXIMUM VALUE EQUALS 724.50140 AND OCCURRED AT (438700.0, 354400.0) *

Y-AXIS / (METERS) /	X-AXIS (METERS) 438000.0	438100.0	438200.0	438300.0	438400.0
354700.0 /	90.61794 (207, 4)	109.77438 (207, 4)	165.50266 (207, 4)	202.64490 (207, 4)	207.22009 (207, 4)
354600.0 /	85.55386 (207, 4)	165.92291 (207, 4)	243.41562 (207, 4)	270.35645 (207, 4)	249.90997 (207, 4)
354500.0 /	102.68792 (207, 4)	231.35211 (207, 4)	316.35657 (207, 4)	317.75900 (207, 4)	264.64798 (207, 4)
354400.0 /	100.99275 (207, 4)	251.71562 (207, 4)	331.00500 (207, 4)	305.29568 (207, 4)	382.80359 (207, 5)
354300.0 /	72.63785 (101, 3)	170.72388 (207, 4)	238.24918 (207, 4)	422.57700 (207, 5)	620.85107 (207, 5)
354200.0 /	73.10876 (101, 3)	138.44035 (207, 5)	361.44418 (207, 5)	544.96967 (207, 5)	606.16602 (207, 5)
354100.0 /	73.76456 (101, 3)	159.71588 (207, 5)	296.63904 (207, 5)	476.50684 (180, 4)	555.70129 (180, 4)
354000.0 /	74.61856 (101, 3)	119.21326 (180, 4)	387.16339 (180, 4)	623.13715 (180, 4)	673.99487 (100, 5)
353900.0 /	75.68202 (101, 3)	83.56921 (180, 4)	289.48846 (180, 4)	493.27789 (180, 4)	562.91010 (100, 5)
353800.0 /	76.96431 (101, 3)	80.57813 (101, 3)	99.81955 (180, 4)	222.16991 (180, 4)	287.91583 (180, 4)
353700.0 /	78.47368 (101, 3)	82.96823 (101, 3)	88.44550 (101, 3)	95.84074 (101, 3)	105.36246 (101, 3)
353600.0 /	80.21847 (101, 3)	109.17090 (110, 5)	141.81865 (110, 5)	121.16138 (110, 5)	111.10970 (101, 3)
353500.0 /	82.20911 (101, 3)	198.13605 (110, 5)	281.13885 (110, 5)	277.07056 (110, 5)	220.30821 (110, 5)
353400.0 /	197.03551 (110, 5)	301.33423 (110, 5)	365.21936 (110, 5)	380.56833 (110, 5)	343.65399 (110, 5)
353300.0 /	275.97775 (110, 5)	356.22241 (110, 5)	380.71411 (110, 5)	392.01828 (110, 5)	385.93243 (110, 5)
353200.0 /	429.29382 (273, 4)	334.87817 (110, 5)	348.02893 (110, 5)	349.14612 (110, 5)	358.12888 (110, 5)
353100.0 /	584.90125 (273, 4)	422.00000 (273, 4)	291.56058 (110, 5)	290.30457 (110, 5)	299.87964 (110, 5)
353000.0 /	675.08899 (273, 4)	557.63757 (273, 4)	350.26947 (273, 4)	233.30505 (110, 5)	239.07011 (110, 5)
352900.0 /	702.77460 (273, 4)	643.60254 (273, 4)	461.73267 (273, 4)	270.02692 (273, 4)	229.87878 (100, 4)
352800.0 /	685.37402 (273, 4)	679.57568 (273, 4)	541.50555 (273, 4)	358.09949 (273, 4)	206.94218 (100, 4)
352700.0 /	641.17749 (273, 4)	676.20898 (273, 4)	585.84229 (273, 4)	428.08154 (273, 4)	270.20016 (273, 4)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* HIGHEST 3-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE RECEPTOR GRID *

* MAXIMUM VALUE EQUALS 724.50140 AND OCCURRED AT (438700.0, 354400.0) *

Y-AXIS / (METERS) /	X-AXIS (METERS) 438500.0	438600.0	438700.0	438800.0	438900.0
354700.0 /	214.22519 (110, 4)	190.97101 (110, 4)	186.23489 (207, 5)	288.14874 (207, 5)	391.62302 (207, 5)
354600.0 /	204.85446 (207, 4)	242.64755 (207, 5)	373.25519 (207, 5)	493.72128 (207, 5)	576.68805 (207, 5)
354500.0 /	311.55881 (207, 5)	473.36276 (207, 5)	602.93835 (207, 5)	669.54419 (207, 5)	671.07349 (207, 5)
354400.0 /	571.07898 (207, 5)	692.87177 (207, 5)	724.50140 (207, 5)	683.60815 (207, 5)	602.64215 (207, 5)
354300.0 /	714.01404 (207, 5)	700.99695 (207, 5)	623.58990 (207, 5)	523.15894 (207, 5)	424.83139 (207, 5)
354200.0 /	568.07050 (207, 5)	484.27487 (207, 5)	392.64911 (207, 5)	386.28073 (100, 5)	392.19635 (100, 5)
354100.0 /	552.06763 (100, 5)	578.53223 (100, 5)	581.32336 (100, 5)	568.43726 (100, 5)	599.55029 (112, 5)
354000.0 /	719.51672 (100, 5)	717.72113 (100, 5)	691.15283 (100, 5)	651.95886 (100, 5)	608.71106 (112, 5)
353900.0 /	612.10767 (100, 5)	616.93848 (100, 5)	598.06232 (100, 5)	566.88660 (100, 5)	530.05609 (100, 5)
353800.0 /	324.46710 (100, 5)	355.90894 (100, 5)	368.23053 (100, 5)	367.56381 (100, 5)	358.41541 (100, 5)
353700.0 /	116.68265 (180, 4)	136.38730 (100, 5)	159.91772 (100, 5)	176.40025 (100, 5)	186.54985 (100, 5)
353600.0 /	118.66510 (101, 3)	116.49681 (101, 3)	124.71632 (180, 8)	154.52907 (180, 8)	171.63394 (180, 8)
353500.0 /	154.86670 (110, 5)	116.84703 (101, 3)	134.17104 (180, 8)	161.65659 (180, 8)	175.09805 (180, 8)
353400.0 /	275.69620 (110, 5)	203.23306 (110, 5)	143.18173 (180, 8)	167.94444 (180, 8)	177.66122 (180, 8)
353300.0 /	349.57190 (110, 5)	290.39142 (110, 5)	225.10033 (110, 5)	173.35582 (180, 8)	179.36630 (180, 8)
353200.0 /	357.29150 (110, 5)	331.44714 (110, 5)	284.65607 (110, 5)	229.75049 (110, 5)	180.26733 (180, 8)
353100.0 /	319.53058 (110, 5)	327.43649 (110, 5)	310.60339 (110, 5)	273.24966 (110, 5)	226.77655 (110, 5)
353000.0 /	262.21100 (110, 5)	291.64941 (110, 5)	305.79861 (110, 5)	294.59259 (110, 5)	263.09204 (110, 5)
352900.0 /	232.11316 (100, 4)	239.02628 (110, 5)	274.82294 (110, 5)	292.36252 (110, 5)	284.22342 (110, 5)
352800.0 /	233.68845 (100, 4)	224.37051 (100, 4)	226.67389 (110, 5)	265.67322 (110, 5)	284.54327 (110, 5)
352700.0 /	213.86203 (100, 4)	226.39249 (100, 4)	210.42291 (100, 4)	221.03720 (110, 5)	260.92062 (110, 5)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* HIGHEST 3-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE RECEPTOR GRID *

* MAXIMUM VALUE EQUALS 724.50140 AND OCCURRED AT (438700.0, 354400.0) *

Y-AXIS (METERS) /	X-AXIS (METERS) 439000.0	439100.0	439200.0
354700.0 /	476.07861 (207, 5)	527.58209 (207, 5)	542.83667 (207, 5)
354600.0 /	610.34967 (207, 5)	599.07422 (207, 5)	556.06409 (207, 5)
354500.0 /	624.84998 (207, 5)	552.89355 (207, 5)	472.94299 (207, 5)
354400.0 /	508.99347 (207, 5)	419.16656 (207, 5)	340.60648 (207, 5)
354300.0 /	339.45877 (207, 5)	269.61383 (207, 5)	258.42999 (100, 5)
354200.0 /	389.89011 (100, 5)	434.48260 (112, 5)	479.63071 (112, 5)
354100.0 /	623.63196 (112, 5)	627.34204 (112, 5)	616.52258 (112, 5)
354000.0 /	587.35107 (112, 5)	558.99231 (112, 5)	527.21826 (112, 5)
353900.0 /	491.52313 (100, 5)	453.59399 (100, 5)	417.56958 (100, 5)
353800.0 /	344.07208 (100, 5)	326.85846 (100, 5)	308.37466 (100, 5)
353700.0 /	191.45367 (100, 5)	192.27811 (100, 5)	190.09856 (100, 5)
353600.0 /	171.77336 (180, 8)	157.48199 (180, 8)	151.92250 (112, 4)
353500.0 /	171.71051 (180, 8)	155.20032 (180, 8)	152.80490 (112, 4)
353400.0 /	170.98692 (180, 8)	152.58807 (180, 8)	129.91263 (180, 8)
353300.0 /	169.67859 (180, 8)	149.70660 (180, 8)	126.73035 (180, 8)
353200.0 /	167.86020 (180, 8)	146.61049 (180, 8)	123.62984 (112, 6)
353100.0 /	180.63098 (110, 5)	143.34772 (180, 8)	120.25610 (180, 8)
353000.0 /	222.14017 (110, 5)	180.57549 (110, 5)	143.17206 (110, 5)
352900.0 /	256.11121 (110, 5)	218.47632 (110, 5)	179.79794 (110, 5)
352800.0 /	277.99786 (110, 5)	251.98294 (110, 5)	216.43431 (110, 5)
352700.0 /	279.86914 (110, 5)	274.20670 (110, 5)	249.75421 (110, 5)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* SECOND HIGHEST 3-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE RECEPTOR GRID *

* MAXIMUM VALUE EQUALS 668.64221 AND OCCURRED AT (438400.0, 354000.0) *

Y-AXIS / (METERS) /	X-AXIS (METERS) 437500.0	437600.0	437700.0	437800.0	437900.0
354700.0 /	53.50818 (207, 4)	105.26517 (110, 4)	140.87848 (207, 4)	150.04764 (207, 4)	136.79626 (207, 4)
354600.0 /	51.20547 (101, 3)	65.88618 (207, 4)	84.83220 (207, 4)	90.45308 (207, 4)	77.43354 (207, 4)
354500.0 /	51.04008 (101, 3)	48.01003 (110, 4)	65.71253 (101, 3)	70.21812 (101, 3)	53.52244 (110, 4)
354400.0 /	50.87573 (101, 3)	52.37605 (180, 5)	65.32585 (101, 3)	61.24740 (110, 4)	16.29640 (101, 8)
354300.0 /	50.71370 (101, 3)	44.10421 (180, 5)	15.92779 (110, 4)	10.99502 (110, 4)	16.15911 (101, 8)
354200.0 /	50.55574 (101, 3)	20.22494 (180, 5)	4.04166 (101, 8)	8.42359 (101, 8)	16.02331 (101, 8)
354100.0 /	3.06565 (273, 3)	2.86479 (273, 3)	4.04753 (101, 8)	8.38894 (101, 8)	15.88903 (101, 8)
354000.0 /	3.03945 (273, 3)	2.84367 (273, 3)	4.05285 (101, 8)	8.35409 (101, 8)	15.75623 (101, 8)
353900.0 /	3.01458 (273, 3)	2.82431 (273, 3)	4.05764 (101, 8)	8.31904 (101, 8)	15.62490 (101, 8)
353800.0 /	2.99113 (273, 3)	2.80693 (273, 3)	4.06192 (101, 8)	8.28381 (101, 8)	15.49503 (101, 8)
353700.0 /	2.96925 (273, 3)	2.79173 (273, 3)	4.06571 (101, 8)	8.24841 (101, 8)	15.36661 (101, 8)
353600.0 /	2.94910 (273, 3)	2.77929 (273, 3)	4.06899 (101, 8)	8.21288 (101, 8)	15.23960 (101, 8)
353500.0 /	2.93546 (273, 3)	3.97943 (273, 5)	11.01505 (273, 5)	16.66813 (273, 4)	26.20090 (273, 4)
353400.0 /	4.45911 (273, 5)	20.77422 (273, 5)	55.64506 (273, 5)	71.33565 (101, 3)	77.81915 (101, 3)
353300.0 /	17.83624 (273, 5)	57.68055 (101, 3)	65.12384 (101, 3)	127.25185 (273, 5)	132.79369 (110, 5)
353200.0 /	50.11291 (101, 3)	58.00286 (101, 3)	84.43070 (273, 4)	221.78922 (273, 5)	146.59030 (273, 5)
353100.0 /	67.74767 (273, 6)	84.85194 (273, 3)	112.09762 (273, 4)	305.71487 (273, 5)	212.74557 (273, 5)
353000.0 /	107.47942 (273, 6)	123.78458 (273, 3)	127.79424 (273, 4)	344.97751 (273, 4)	265.35214 (273, 5)
352900.0 /	144.06781 (273, 6)	158.48260 (273, 3)	133.06496 (273, 4)	336.08273 (273, 4)	302.22079 (273, 5)
352800.0 /	172.61986 (273, 6)	185.89789 (273, 3)	131.09631 (273, 4)	313.25650 (273, 4)	324.76471 (273, 5)
352700.0 /	191.69266 (273, 6)	205.35599 (273, 3)	124.80389 (273, 4)	284.42352 (273, 4)	335.60736 (273, 5)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* SECOND HIGHEST 3-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE RECEPTOR GRID *

* MAXIMUM VALUE EQUALS 668.64221 AND OCCURRED AT (438400.0, 354000.0) *

Y-AXIS (METERS) /	X-AXIS (METERS) 438000.0	438100.0	438200.0	438300.0	438400.0
354700.0 /	72.28697 (101, 3)	69.56793 (101, 3)	68.44984 (101, 8)	104.29066 (110, 4)	187.63065 (110, 4)
354600.0 /	72.17834 (101, 3)	69.96864 (101, 3)	67.50140 (101, 8)	138.85706 (110, 4)	176.67926 (110, 4)
354500.0 /	72.18929 (101, 3)	70.54564 (101, 3)	81.16420 (110, 4)	124.71233 (110, 4)	163.97128 (207, 5)
354400.0 /	72.33679 (101, 3)	71.31497 (101, 3)	70.17136 (101, 3)	193.09770 (207, 5)	230.72148 (207, 4)
354300.0 /	51.16877 (207, 4)	72.29051 (101, 3)	197.00656 (207, 5)	212.28445 (207, 4)	188.91325 (110, 4)
354200.0 /	27.82358 (101, 8)	73.48352 (101, 3)	99.99451 (180, 4)	233.01476 (180, 4)	324.39963 (180, 4)
354100.0 /	34.03289 (207, 5)	74.90252 (101, 3)	263.92261 (180, 4)	367.16577 (100, 5)	488.88092 (100, 5)
354000.0 /	27.19591 (101, 8)	76.55399 (101, 3)	284.91791 (100, 5)	539.95984 (100, 5)	668.64221 (180, 4)
353900.0 /	26.88984 (101, 8)	78.44357 (101, 3)	211.11015 (100, 5)	434.47150 (100, 5)	544.48096 (180, 4)
353800.0 /	26.58881 (101, 8)	41.86295 (101, 8)	85.01038 (101, 3)	171.23203 (100, 5)	265.52991 (100, 5)
353700.0 /	26.29273 (101, 8)	41.32587 (101, 8)	59.67825 (101, 8)	79.19459 (101, 8)	96.59137 (101, 8)
353600.0 /	36.32624 (110, 5)	85.63046 (101, 3)	92.22314 (101, 3)	100.87374 (101, 3)	95.51894 (101, 8)
353500.0 /	77.03989 (110, 5)	88.58889 (101, 3)	96.37668 (101, 3)	106.25525 (101, 3)	116.80949 (101, 3)
353400.0 /	84.46004 (101, 3)	91.87437 (101, 3)	100.93010 (101, 3)	111.91779 (101, 3)	122.27260 (101, 3)
353300.0 /	239.62549 (273, 4)	113.35454 (273, 4)	110.25121 (100, 4)	117.75172 (101, 3)	127.29800 (101, 3)
353200.0 /	261.79962 (110, 5)	258.80414 (273, 4)	154.48581 (100, 4)	162.33272 (100, 4)	131.69142 (101, 3)
353100.0 /	204.33517 (110, 5)	272.15115 (110, 5)	223.62149 (273, 4)	203.98906 (100, 4)	192.19339 (100, 4)
353000.0 /	228.31119 (273, 5)	203.72685 (110, 5)	230.16367 (110, 5)	208.28024 (100, 4)	227.86127 (100, 4)
352900.0 /	255.29266 (273, 5)	254.57561 (273, 5)	189.19994 (273, 5)	184.84232 (100, 4)	187.48065 (110, 5)
352800.0 /	267.37964 (273, 5)	278.08997 (273, 5)	251.56187 (273, 5)	156.93913 (273, 5)	202.25903 (273, 4)
352700.0 /	270.90765 (273, 5)	279.36252 (273, 5)	286.70709 (273, 5)	220.57278 (273, 5)	171.84842 (100, 4)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* SECOND HIGHEST 3-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE RECEPTOR GRID *

* MAXIMUM VALUE EQUALS 668.64221 AND OCCURRED AT (438400.0, 354000.0) *

Y-AXIS (METERS) /	X-AXIS (METERS) 438500.0	438600.0	438700.0	438800.0	438900.0
354700.0 /	186.90331 (207, 4)	154.59041 (207, 4)	164.15506 (110, 4)	156.96355 (110, 4)	165.37502 (110, 4)
354600.0 /	167.86261 (110, 4)	159.49652 (110, 4)	170.87700 (110, 4)	191.97539 (110, 4)	209.34312 (110, 4)
354500.0 /	196.55479 (207, 4)	187.52446 (110, 4)	221.08585 (110, 4)	240.51189 (110, 4)	243.10934 (110, 4)
354400.0 /	199.61273 (110, 4)	242.55087 (110, 4)	260.17236 (110, 4)	255.20844 (110, 4)	266.79504 (112, 4)
354300.0 /	235.76074 (110, 4)	249.37750 (110, 4)	267.09055 (112, 4)	264.36359 (112, 4)	239.65929 (112, 4)
354200.0 /	349.93018 (180, 4)	342.05975 (100, 5)	370.13217 (100, 5)	310.68698 (207, 5)	296.74976 (112, 5)
354100.0 /	527.34711 (180, 4)	455.91379 (180, 4)	468.56635 (112, 5)	549.16827 (112, 5)	545.55670 (100, 5)
354000.0 /	596.35864 (180, 4)	565.41589 (112, 5)	607.41229 (112, 5)	617.81329 (112, 5)	607.21051 (100, 5)
353900.0 /	492.86682 (180, 4)	409.95868 (180, 4)	358.11972 (112, 5)	365.31088 (112, 5)	362.49338 (112, 5)
353800.0 /	289.17889 (180, 4)	258.39117 (180, 4)	220.30020 (180, 4)	227.69043 (112, 4)	231.16479 (112, 4)
353700.0 /	114.04571 (101, 3)	120.37124 (180, 4)	116.23107 (112, 4)	146.62225 (180, 8)	167.24049 (180, 8)
353600.0 /	107.39733 (101, 8)	111.14819 (101, 8)	105.89900 (101, 8)	101.93811 (112, 4)	127.11620 (112, 4)
353500.0 /	122.56721 (101, 3)	110.63165 (101, 8)	105.92602 (101, 8)	93.48776 (101, 8)	76.06934 (101, 8)
353400.0 /	125.59563 (101, 3)	116.19786 (101, 3)	141.74231 (110, 5)	95.57335 (110, 5)	92.77044 (112, 6)
353300.0 /	127.64105 (101, 3)	119.83961 (180, 8)	151.63306 (180, 8)	166.09357 (110, 5)	118.57207 (110, 5)
353200.0 /	128.64859 (101, 3)	129.37814 (180, 8)	159.42853 (180, 8)	177.87558 (180, 8)	177.28659 (110, 5)
353100.0 /	147.47476 (100, 4)	138.60287 (180, 8)	166.49220 (180, 8)	181.50787 (180, 8)	180.42619 (180, 8)
353000.0 /	202.36688 (100, 4)	153.61118 (100, 4)	172.76878 (180, 8)	184.27310 (180, 8)	179.90923 (180, 8)
352900.0 /	204.65593 (110, 5)	199.54288 (100, 4)	178.22269 (180, 8)	186.20523 (180, 8)	178.78549 (180, 8)
352800.0 /	157.03857 (110, 5)	184.67979 (110, 5)	189.50214 (100, 4)	187.34879 (180, 8)	177.12369 (180, 8)
352700.0 /	150.49326 (273, 4)	170.27954 (180, 8)	186.61078 (180, 8)	187.75627 (180, 8)	174.99142 (180, 8)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* SECOND HIGHEST 3-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE RECEPTOR GRID *

* MAXIMUM VALUE EQUALS 668.64221 AND OCCURRED AT (438400.0, 354000.0) *

Y-AXIS (METERS)	X-AXIS (METERS) 439000.0	439100.0	439200.0
354700.0	177.83568 (110, 4)	186.40179 (110, 4)	188.16479 (110, 4)
354600.0	216.62051 (110, 4)	213.46863 (110, 4)	204.69200 (100, 6)
354500.0	232.30869 (110, 4)	243.45239 (112, 4)	245.31555 (112, 4)
354400.0	266.00797 (112, 4)	247.43835 (112, 4)	219.38817 (112, 4)
354300.0	246.09947 (100, 5)	254.55884 (100, 5)	216.86295 (112, 5)
354200.0	372.61975 (112, 5)	381.45300 (100, 5)	368.84531 (100, 5)
354100.0	516.87769 (100, 5)	485.41693 (100, 5)	453.29184 (100, 5)
354000.0	561.13525 (100, 5)	516.20612 (100, 5)	473.81943 (100, 5)
353900.0	353.13376 (112, 5)	339.78369 (112, 5)	324.22815 (112, 5)
353800.0	229.32202 (112, 4)	223.93510 (112, 4)	216.32278 (112, 4)
353700.0	171.10052 (180, 8)	159.36549 (180, 8)	154.86208 (112, 4)
353600.0	143.12747 (112, 4)	150.70222 (112, 4)	136.03827 (180, 8)
353500.0	98.65343 (112, 4)	129.47708 (112, 4)	133.02556 (180, 8)
353400.0	87.89403 (112, 6)	72.37103 (112, 6)	81.51986 (112, 4)
353300.0	105.97454 (112, 6)	122.45486 (112, 6)	120.45123 (112, 6)
353200.0	132.60251 (110, 5)	97.10501 (110, 5)	123.50443 (180, 8)
353100.0	165.60320 (180, 8)	139.87238 (110, 5)	107.70535 (180, 3)
353000.0	162.97498 (180, 8)	139.96033 (180, 8)	124.45804 (180, 3)
352900.0	160.03772 (180, 8)	136.48428 (180, 8)	113.75906 (180, 8)
352800.0	156.84814 (180, 8)	132.95030 (180, 8)	110.53595 (180, 8)
352700.0	153.45732 (180, 8)	129.38435 (180, 8)	108.13177 (180, 4)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* 50 MAXIMUM 3-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *

* FROM ALL SOURCES *

RANK	CON.	PER.	DAY	X OR RANGE (METERS)	Y(METERS) OR DIRECTION (DEGREES)	RANK	CON.	PER.	DAY	X OR RANGE (METERS)	Y(METERS) OR DIRECTION (DEGREES)
1	724.50140	5	207	438700.0	354400.0	26	620.85107	5	207	438400.0	354300.0
2	719.51672	5	100	438500.0	354000.0	27	617.81329	5	112	438800.0	354000.0
3	717.72113	5	100	438600.0	354000.0	28	616.93848	5	100	438600.0	353900.0
4	714.01404	5	207	438500.0	354300.0	29	616.52258	5	112	439200.0	354100.0
5	702.77460	4	273	438000.0	352900.0	30	612.10767	5	100	438500.0	353900.0
6	700.99695	5	207	438600.0	354300.0	31	610.34967	5	207	439000.0	354600.0
7	692.87177	5	207	438600.0	354400.0	32	608.71106	5	112	438900.0	354000.0
8	691.15283	5	100	438700.0	354000.0	33	607.41229	5	112	438700.0	354000.0
9	685.37402	4	273	438000.0	352800.0	34	607.21051	5	100	438900.0	354000.0
10	683.60815	5	207	438800.0	354400.0	35	606.16602	5	207	438400.0	354200.0
11	679.57568	4	273	438100.0	352800.0	36	602.93835	5	207	438700.0	354500.0
12	676.20898	4	273	438100.0	352700.0	37	602.64215	5	207	438900.0	354400.0
13	675.08899	4	273	438000.0	353000.0	38	599.55029	5	112	438900.0	354100.0
14	673.99487	5	100	438400.0	354000.0	39	599.07422	5	207	439100.0	354600.0
15	671.07349	5	207	438900.0	354500.0	40	598.06232	5	100	438700.0	353900.0
16	669.54419	5	207	438800.0	354500.0	41	596.35864	4	180	438500.0	354000.0
17	668.64221	4	180	438400.0	354000.0	42	587.35107	5	112	439000.0	354000.0
18	651.95886	5	100	438800.0	354000.0	43	587.30206	4	273	437900.0	353000.0
19	643.60254	4	273	438100.0	352900.0	44	585.84229	4	273	438200.0	352700.0
20	641.17749	4	273	438000.0	352700.0	45	584.90125	4	273	438000.0	353100.0
21	627.34204	5	112	439100.0	354100.0	46	581.32336	5	100	438700.0	354100.0
22	624.84998	5	207	439000.0	354500.0	47	578.53223	5	100	438600.0	354100.0
23	623.63196	5	112	439000.0	354100.0	48	576.68805	5	207	438900.0	354600.0
24	623.58990	5	207	438700.0	354300.0	49	575.09973	4	273	437900.0	352900.0
25	623.13715	4	180	438300.0	354000.0	50	571.07898	5	207	438500.0	354400.0

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE RECEPTOR GRID *

* MAXIMUM VALUE EQUALS 129.67303 AND OCCURRED AT (439200.0, 354100.0) *

Y-AXIS / (METERS) /	X-AXIS (METERS) 438000.0	438100.0	438200.0	438300.0	438400.0
354700.0 /	12.85611 (101, 1)	14.70102 (101, 1)	20.74823 (207, 1)	25.82735 (207, 1)	28.05002 (207, 1)
354600.0 /	12.77416 (101, 1)	20.76383 (207, 1)	30.78671 (207, 1)	35.92760 (207, 1)	38.35597 (207, 1)
354500.0 /	12.84011 (207, 1)	29.10699 (207, 1)	41.41909 (207, 1)	47.66196 (207, 1)	53.71335 (207, 1)
354400.0 /	12.67281 (207, 1)	32.71596 (207, 1)	49.33401 (207, 1)	62.35221 (207, 1)	77.19724 (207, 1)
354300.0 /	12.65523 (101, 1)	27.41401 (207, 1)	54.41833 (207, 1)	79.49981 (207, 1)	96.71490 (207, 1)
354200.0 /	12.66263 (101, 1)	23.24803 (207, 1)	56.32862 (207, 1)	79.02724 (207, 1)	83.53117 (207, 1)
354100.0 /	12.69594 (101, 1)	20.38551 (207, 1)	38.36492 (207, 1)	60.79395 (180, 1)	83.17758 (100, 1)
354000.0 /	12.75642 (101, 1)	15.40500 (180, 1)	49.24850 (180, 1)	89.64385 (100, 1)	114.86919 (100, 1)
353900.0 /	12.84514 (101, 1)	15.12514 (101, 1)	37.18784 (180, 1)	72.07977 (100, 1)	94.20071 (100, 1)
353800.0 /	12.96301 (101, 1)	15.31978 (101, 1)	18.19851 (101, 1)	29.77640 (180, 1)	42.01593 (100, 1)
353700.0 /	13.11082 (101, 1)	15.54837 (101, 1)	18.52437 (101, 1)	21.88619 (101, 1)	25.24934 (101, 1)
353600.0 /	13.28943 (101, 1)	15.81281 (101, 1)	18.89531 (101, 1)	22.38744 (101, 1)	25.83257 (101, 1)
353500.0 /	13.49997 (101, 1)	24.76701 (110, 1)	35.14236 (110, 1)	34.63382 (110, 1)	27.53853 (110, 1)
353400.0 /	24.62944 (110, 1)	37.66678 (110, 1)	45.65242 (110, 1)	47.57104 (110, 1)	42.95675 (110, 1)
353300.0 /	37.54012 (273, 1)	44.52780 (110, 1)	47.58926 (110, 1)	49.00229 (110, 1)	48.24155 (110, 1)
353200.0 /	69.64089 (273, 1)	41.85977 (110, 1)	43.50362 (110, 1)	43.64326 (110, 1)	44.76611 (110, 1)
353100.0 /	97.74953 (273, 1)	71.23024 (273, 1)	37.73353 (273, 1)	36.28807 (110, 1)	37.48495 (110, 1)
353000.0 /	115.23077 (273, 1)	97.84726 (273, 1)	61.75346 (273, 1)	31.92000 (273, 1)	29.88376 (110, 1)
352900.0 /	122.21223 (273, 1)	115.39519 (273, 1)	85.34100 (273, 1)	50.19014 (273, 1)	28.73485 (100, 1)
352800.0 /	121.70303 (273, 1)	122.99385 (273, 1)	103.26687 (273, 1)	69.62600 (273, 1)	40.59542 (273, 1)
352700.0 /	116.78649 (273, 1)	122.89373 (273, 1)	113.36034 (273, 1)	86.44655 (273, 1)	55.32142 (273, 1)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE RECEPTOR GRID *

* MAXIMUM VALUE EQUALS 129.67303 AND OCCURRED AT (439200.0, 354100.0) *

Y-AXIS / (METERS) /	X-AXIS (METERS) 437500.0	437600.0	437700.0	437800.0	437900.0
354700.0 /	14.34894 (180, 1)	15.43522 (207, 1)	28.50649 (110, 1)	32.33830 (110, 1)	20.20519 (110, 1)
354600.0 /	19.58526 (180, 1)	10.04053 (110, 1)	24.64603 (110, 1)	26.64001 (110, 1)	13.63821 (110, 1)
354500.0 /	25.31692 (180, 1)	7.80355 (101, 1)	17.63557 (110, 1)	17.62143 (110, 1)	11.20350 (101, 1)
354400.0 /	28.43338 (180, 1)	7.73292 (101, 1)	8.80375 (101, 1)	9.90044 (101, 1)	11.13744 (101, 1)
354300.0 /	22.55778 (180, 1)	7.66977 (101, 1)	8.73531 (101, 1)	9.83507 (101, 1)	11.08780 (101, 1)
354200.0 /	8.03846 (180, 1)	7.61363 (101, 1)	8.67568 (101, 1)	9.78197 (101, 1)	11.05585 (101, 1)
354100.0 /	6.50064 (101, 1)	7.56426 (101, 1)	8.62517 (101, 1)	9.74209 (101, 1)	11.04304 (101, 1)
354000.0 /	6.46426 (101, 1)	7.52168 (101, 1)	8.58436 (101, 1)	9.71661 (101, 1)	11.05088 (101, 1)
353900.0 /	6.43301 (101, 1)	7.48614 (101, 1)	8.55407 (101, 1)	9.70688 (101, 1)	11.08090 (101, 1)
353800.0 /	6.40689 (101, 1)	7.45813 (101, 1)	8.53536 (101, 1)	9.71439 (101, 1)	11.13457 (101, 1)
353700.0 /	6.38613 (101, 1)	7.43838 (101, 1)	8.52947 (101, 1)	9.74066 (101, 1)	11.21323 (101, 1)
353600.0 /	6.37109 (101, 1)	7.42779 (101, 1)	8.53778 (101, 1)	9.78724 (101, 1)	11.31810 (101, 1)
353500.0 /	6.36241 (101, 1)	7.42748 (101, 1)	8.56176 (101, 1)	9.85562 (101, 1)	11.45028 (101, 1)
353400.0 /	6.36089 (101, 1)	7.43870 (101, 1)	10.12402 (273, 1)	17.44181 (273, 1)	20.68079 (273, 1)
353300.0 /	6.36749 (101, 1)	13.52965 (273, 1)	25.80114 (273, 1)	40.27030 (273, 1)	48.31323 (273, 1)
353200.0 /	13.04926 (273, 1)	29.32667 (273, 1)	44.91356 (273, 1)	63.61060 (273, 1)	76.79609 (273, 1)
353100.0 /	26.69407 (273, 1)	47.52047 (273, 1)	62.37471 (273, 1)	81.16302 (273, 1)	97.42626 (273, 1)
353000.0 /	42.68214 (273, 1)	64.15115 (273, 1)	75.59450 (273, 1)	91.61127 (273, 1)	108.42615 (273, 1)
352900.0 /	57.96731 (273, 1)	77.08207 (273, 1)	84.14315 (273, 1)	96.17598 (273, 1)	111.72247 (273, 1)
352800.0 /	70.60829 (273, 1)	85.82072 (273, 1)	88.66507 (273, 1)	96.63625 (273, 1)	109.96690 (273, 1)
352700.0 /	79.87347 (273, 1)	90.79192 (273, 1)	90.11593 (273, 1)	94.51784 (273, 1)	105.32964 (273, 1)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE RECEPTOR GRID *

* MAXIMUM VALUE EQUALS 129.67303 AND OCCURRED AT (439200.0, 354100.0) *

Y-AXIS (METERS) /	X-AXIS (METERS) 438500.0	438600.0	438700.0	438800.0	438900.0
354700.0 /	29.50639 (207, 1)	32.74179 (207, 1)	39.69131 (207, 1)	50.86105 (207, 1)	63.85593 (207, 1)
354600.0 /	42.32560 (207, 1)	50.87437 (207, 1)	63.85318 (207, 1)	77.00159 (207, 1)	85.23830 (207, 1)
354500.0 /	64.44908 (207, 1)	78.75549 (207, 1)	90.47552 (207, 1)	94.75488 (207, 1)	91.53048 (207, 1)
354400.0 /	92.33533 (207, 1)	100.82488 (207, 1)	99.64541 (207, 1)	91.18858 (207, 1)	79.35477 (207, 1)
354300.0 /	101.40851 (207, 1)	94.89651 (207, 1)	82.31422 (207, 1)	68.36286 (207, 1)	63.61854 (100, 1)
354200.0 /	75.76816 (207, 1)	71.10934 (100, 1)	79.58449 (100, 1)	84.34489 (100, 1)	86.16611 (100, 1)
354100.0 /	99.12209 (100, 1)	107.74702 (100, 1)	110.89085 (100, 1)	110.31721 (100, 1)	117.97655 (112, 1)
354000.0 /	125.65123 (100, 1)	127.69781 (100, 1)	124.87182 (100, 1)	120.20494 (112, 1)	122.17374 (112, 1)
353900.0 /	103.79082 (100, 1)	105.81990 (100, 1)	103.70300 (100, 1)	99.50558 (100, 1)	94.44516 (100, 1)
353800.0 /	52.23333 (100, 1)	58.09449 (100, 1)	60.79365 (100, 1)	61.35910 (100, 1)	60.58476 (100, 1)
353700.0 /	27.79685 (101, 1)	28.34723 (101, 1)	28.77595 (180, 1)	31.58415 (180, 1)	33.15746 (180, 1)
353600.0 /	28.26078 (101, 1)	28.45782 (101, 1)	25.93405 (101, 1)	26.44111 (180, 1)	28.71536 (180, 1)
353500.0 /	28.63453 (101, 1)	28.43653 (101, 1)	25.59402 (101, 1)	26.38780 (180, 1)	28.84287 (180, 1)
353400.0 /	34.46202 (110, 1)	28.28769 (101, 1)	25.18191 (101, 1)	29.57253 (180, 1)	32.57095 (180, 1)
353300.0 /	43.69649 (110, 1)	36.29893 (110, 1)	28.13754 (110, 1)	32.85295 (180, 1)	36.95657 (180, 1)
353200.0 /	44.66144 (110, 1)	41.43089 (110, 1)	35.58201 (110, 1)	34.13385 (180, 1)	39.36762 (180, 1)
353100.0 /	39.94132 (110, 1)	40.92956 (110, 1)	38.82542 (110, 1)	34.15621 (110, 1)	38.87919 (180, 1)
353000.0 /	32.77637 (110, 1)	36.45618 (110, 1)	38.22483 (110, 1)	36.82407 (110, 1)	36.35452 (180, 1)
352900.0 /	29.01414 (100, 1)	29.87828 (110, 1)	34.35287 (110, 1)	36.54531 (110, 1)	35.52793 (110, 1)
352800.0 /	29.21106 (100, 1)	28.04631 (100, 1)	28.33424 (110, 1)	33.20915 (110, 1)	35.56791 (110, 1)
352700.0 /	33.86489 (273, 1)	28.29906 (100, 1)	26.30286 (100, 1)	27.62965 (110, 1)	32.61508 (110, 1)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE RECEPTOR GRID *

* MAXIMUM VALUE EQUALS 129.67303 AND OCCURRED AT (439200.0, 354100.0) *

Y-AXIS (METERS) /	X-AXIS (METERS) 439000.0	439100.0	439200.0
354700.0 /	74.35326 (207, 1)	79.40273 (207, 1)	78.92955 (207, 1)
354600.0 /	86.67995 (207, 1)	82.66935 (207, 1)	75.63223 (207, 1)
354500.0 /	83.52963 (207, 1)	73.64313 (207, 1)	63.85994 (207, 1)
354400.0 /	67.19551 (207, 1)	56.38499 (207, 1)	52.92637 (100, 1)
354300.0 /	66.01308 (100, 1)	66.79657 (100, 1)	66.50305 (100, 1)
354200.0 /	85.94160 (100, 1)	97.63203 (112, 1)	107.44366 (112, 1)
354100.0 /	125.28198 (112, 1)	128.91029 (112, 1)	129.67303 (112, 1)
354000.0 /	121.46926 (112, 1)	118.96524 (112, 1)	115.31093 (112, 1)
353900.0 /	89.20627 (100, 1)	85.19641 (112, 1)	82.37694 (112, 1)
353800.0 /	59.03833 (100, 1)	57.09790 (100, 1)	55.00086 (100, 1)
353700.0 /	34.20624 (112, 1)	36.44424 (112, 1)	37.81604 (112, 1)
353600.0 /	28.79050 (180, 1)	29.93397 (112, 1)	32.85856 (112, 1)
353500.0 /	28.80242 (180, 1)	26.84028 (180, 1)	25.34591 (112, 1)
353400.0 /	32.78802 (180, 1)	30.83897 (180, 1)	27.80350 (180, 1)
353300.0 /	38.20933 (180, 1)	37.09408 (180, 1)	34.57078 (180, 1)
353200.0 /	42.10571 (180, 1)	42.56458 (180, 1)	41.42950 (180, 1)
353100.0 /	42.81481 (180, 1)	45.02538 (180, 1)	45.79583 (180, 1)
353000.0 /	40.49670 (180, 1)	43.87041 (180, 1)	46.42143 (180, 1)
352900.0 /	36.59940 (180, 1)	40.06210 (180, 1)	43.59143 (180, 1)
352800.0 /	34.74973 (110, 1)	35.24792 (180, 1)	38.71746 (180, 1)
352700.0 /	34.98364 (110, 1)	34.27584 (110, 1)	33.37448 (180, 1)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* SECOND HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE RECEPTOR GRID *

* MAXIMUM VALUE EQUALS 119.57732 AND OCCURRED AT (438800.0, 354000.0) *

Y-AXIS / (METERS) /	X-AXIS (METERS) 437500.0	437600.0	437700.0	437800.0	437900.0
354700.0 /	7.11069 (207, 1)	13.15815 (110, 1)	18.43185 (207, 1)	18.89108 (207, 1)	17.10451 (207, 1)
354600.0 /	6.77402 (101, 1)	8.58169 (207, 1)	10.84070 (207, 1)	11.33224 (207, 1)	11.28494 (101, 1)
354500.0 /	6.70469 (101, 1)	6.00126 (110, 1)	8.88097 (101, 1)	9.97743 (101, 1)	6.69032 (110, 1)
354400.0 /	6.64365 (101, 1)	6.55644 (180, 1)	8.75223 (110, 1)	7.65593 (110, 1)	1.83796 (207, 1)
354300.0 /	6.58982 (101, 1)	5.52524 (180, 1)	1.99098 (110, 1)	1.37439 (110, 1)	1.01921 (273, 1)
354200.0 /	6.54236 (101, 1)	2.54379 (180, 1)	0.87996 (273, 1)	0.94865 (273, 1)	1.07400 (273, 1)
354100.0 /	0.84407 (273, 1)	0.86066 (273, 1)	0.90369 (273, 1)	0.98829 (273, 1)	1.13600 (273, 1)
354000.0 /	0.85173 (273, 1)	0.87664 (273, 1)	0.93185 (273, 1)	1.03380 (273, 1)	1.20533 (273, 1)
353900.0 /	0.86187 (273, 1)	0.89610 (273, 1)	0.96471 (273, 1)	1.08538 (273, 1)	1.28205 (273, 1)
353800.0 /	0.87476 (273, 1)	0.91932 (273, 1)	1.00255 (273, 1)	1.14320 (273, 1)	1.36609 (273, 1)
353700.0 /	0.89062 (273, 1)	0.94655 (273, 1)	1.04554 (273, 1)	1.20737 (273, 1)	1.45740 (273, 1)
353600.0 /	0.90971 (273, 1)	0.97976 (273, 1)	1.12750 (273, 1)	1.38711 (273, 1)	1.69622 (273, 1)
353500.0 /	0.94199 (273, 1)	1.24820 (273, 1)	2.46612 (273, 1)	4.20467 (273, 1)	5.15720 (273, 1)
353400.0 /	1.41057 (273, 1)	4.11172 (273, 1)	8.60296 (101, 1)	9.94722 (101, 1)	11.61087 (101, 1)
353300.0 /	4.54923 (273, 1)	7.46284 (101, 1)	8.66289 (101, 1)	10.06334 (101, 1)	16.59921 (110, 1)
353200.0 /	6.38332 (101, 1)	7.50134 (101, 1)	8.74308 (101, 1)	10.20529 (101, 1)	17.02347 (110, 1)
353100.0 /	6.40965 (101, 1)	7.55573 (101, 1)	8.84495 (101, 1)	10.37440 (101, 1)	13.46179 (110, 1)
353000.0 /	6.44782 (101, 1)	7.62750 (101, 1)	8.96995 (101, 1)	10.57221 (101, 1)	12.56827 (101, 1)
352900.0 /	6.49926 (101, 1)	7.71820 (101, 1)	9.11955 (101, 1)	10.80067 (101, 1)	12.89897 (101, 1)
352800.0 /	6.56544 (101, 1)	7.82942 (101, 1)	9.29553 (101, 1)	11.06224 (101, 1)	13.27359 (101, 1)
352700.0 /	6.64787 (101, 1)	7.96308 (101, 1)	9.50033 (101, 1)	11.36016 (101, 1)	13.69657 (101, 1)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* SECOND HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE RECEPTOR GRID *

* MAXIMUM VALUE EQUALS 119.57732 AND OCCURRED AT (438800.0, 354000.0) *

Y-AXIS (METERS) /	X-AXIS (METERS) 438000.0	438100.0	438200.0	438300.0	438400.0
354700.0 /	11.32730 (207, 1)	13.72445 (207, 1)	16.89512 (101, 1)	19.22188 (101, 1)	23.56035 (110, 1)
354600.0 /	10.69454 (207, 1)	14.65084 (101, 1)	16.90422 (101, 1)	19.32558 (101, 1)	22.93992 (110, 1)
354500.0 /	12.71246 (101, 1)	14.62803 (101, 1)	16.94675 (101, 1)	19.46407 (101, 1)	21.78802 (101, 1)
354400.0 /	12.67233 (101, 1)	14.63390 (101, 1)	17.02305 (101, 1)	19.63664 (101, 1)	22.08462 (101, 1)
354300.0 /	6.83158 (207, 1)	14.66958 (101, 1)	17.13320 (101, 1)	19.84295 (101, 1)	23.74392 (110, 1)
354200.0 /	3.44424 (207, 1)	14.73598 (101, 1)	17.27709 (101, 1)	30.17463 (180, 1)	42.89641 (100, 1)
354100.0 /	4.28394 (207, 1)	14.83375 (101, 1)	33.71698 (180, 1)	58.40833 (100, 1)	71.56129 (180, 1)
354000.0 /	1.47771 (180, 1)	14.96333 (101, 1)	47.22320 (100, 1)	79.33900 (180, 1)	86.05166 (180, 1)
353900.0 /	1.58555 (273, 1)	11.03803 (180, 1)	36.14622 (100, 1)	63.36254 (180, 1)	70.96875 (180, 1)
353800.0 /	1.70230 (273, 1)	3.05317 (180, 1)	13.65470 (180, 1)	26.71925 (100, 1)	39.40690 (180, 1)
353700.0 /	1.82647 (273, 1)	3.51454 (110, 1)	3.77954 (110, 1)	9.00201 (180, 1)	15.83400 (180, 1)
353600.0 /	4.54078 (110, 1)	13.64636 (110, 1)	17.72733 (110, 1)	15.14517 (110, 1)	10.51134 (110, 1)
353500.0 /	9.62999 (110, 1)	16.11595 (101, 1)	19.31534 (101, 1)	22.93437 (101, 1)	26.41112 (101, 1)
353400.0 /	13.74412 (101, 1)	16.46153 (101, 1)	19.78738 (101, 1)	23.51846 (101, 1)	26.96132 (101, 1)
353300.0 /	34.49722 (110, 1)	18.45292 (273, 1)	20.31193 (101, 1)	24.12595 (101, 1)	27.45806 (101, 1)
353200.0 /	32.72495 (110, 1)	41.70520 (273, 1)	20.88592 (101, 1)	24.73820 (101, 1)	27.87704 (101, 1)
353100.0 /	25.54190 (110, 1)	34.01889 (110, 1)	36.44507 (110, 1)	25.49863 (100, 1)	28.19707 (101, 1)
353000.0 /	18.18062 (110, 1)	25.46586 (110, 1)	28.77046 (110, 1)	29.16313 (110, 1)	28.48266 (100, 1)
352900.0 /	15.57967 (101, 1)	18.94843 (101, 1)	22.80441 (101, 1)	26.37257 (101, 1)	28.48097 (101, 1)
352800.0 /	16.09690 (101, 1)	19.59684 (101, 1)	23.45337 (101, 1)	26.77120 (101, 1)	28.43053 (101, 1)
352700.0 /	16.66983 (101, 1)	20.27921 (101, 1)	24.07071 (101, 1)	27.06336 (101, 1)	28.25272 (101, 1)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* SECOND HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE RECEPTOR GRID *

* MAXIMUM VALUE EQUALS 119.57732 AND OCCURRED AT (438800.0, 354000.0) *

Y-AXIS / (METERS) /	X-AXIS (METERS) 438500.0	438600.0	438700.0	438800.0	438900.0
354700.0 /	27.99229 (110, 1)	28.66466 (110, 1)	29.36872 (110, 1)	29.03369 (110, 1)	27.38431 (110, 1)
354600.0 /	24.74874 (110, 1)	26.52892 (110, 1)	27.45332 (110, 1)	27.61291 (110, 1)	27.74570 (110, 1)
354500.0 /	23.48367 (101, 1)	26.53870 (110, 1)	29.07406 (110, 1)	30.54857 (110, 1)	32.84018 (100, 1)
354400.0 /	25.95716 (110, 1)	30.67081 (110, 1)	32.95261 (100, 1)	40.47816 (100, 1)	46.14222 (100, 1)
354300.0 /	30.82686 (100, 1)	42.28259 (100, 1)	51.94128 (100, 1)	59.06174 (100, 1)	55.69577 (207, 1)
354200.0 /	58.66605 (100, 1)	63.33447 (207, 1)	50.86448 (207, 1)	58.07173 (112, 1)	71.65699 (112, 1)
354100.0 /	69.51178 (180, 1)	69.33920 (112, 1)	90.16885 (112, 1)	106.32381 (112, 1)	107.49860 (100, 1)
354000.0 /	83.83447 (112, 1)	102.31380 (112, 1)	114.46118 (112, 1)	119.57732 (100, 1)	113.27099 (100, 1)
353900.0 /	70.92989 (112, 1)	80.64606 (112, 1)	86.38710 (112, 1)	88.65951 (112, 1)	88.77919 (112, 1)
353800.0 /	41.84727 (180, 1)	41.31584 (180, 1)	43.16771 (112, 1)	47.40993 (112, 1)	50.07084 (112, 1)
353700.0 /	21.23141 (180, 1)	25.32519 (180, 1)	26.18369 (101, 1)	27.84432 (100, 1)	30.97175 (112, 1)
353600.0 /	11.89248 (180, 1)	17.19022 (180, 1)	22.32341 (180, 1)	21.47975 (101, 1)	21.54620 (112, 1)
353500.0 /	19.35834 (110, 1)	15.95026 (180, 1)	21.73342 (180, 1)	21.07175 (101, 1)	16.13489 (101, 1)
353400.0 /	28.89861 (101, 1)	25.40413 (110, 1)	24.14134 (180, 1)	20.65242 (101, 1)	15.84358 (101, 1)
353300.0 /	29.03946 (101, 1)	28.02147 (101, 1)	26.39116 (180, 1)	20.76170 (110, 1)	15.56958 (101, 1)
353200.0 /	29.05028 (101, 1)	27.65228 (101, 1)	27.08163 (180, 1)	28.71881 (110, 1)	22.16082 (110, 1)
353100.0 /	28.93110 (101, 1)	27.19723 (101, 1)	26.68342 (180, 1)	33.29174 (180, 1)	28.34707 (110, 1)
353000.0 /	28.68812 (101, 1)	26.67445 (101, 1)	26.11131 (180, 1)	31.50626 (180, 1)	32.88651 (110, 1)
352900.0 /	28.33256 (101, 1)	26.10183 (101, 1)	25.68079 (180, 1)	29.74673 (180, 1)	33.26006 (180, 1)
352800.0 /	27.87921 (101, 1)	25.49604 (101, 1)	25.35160 (180, 1)	28.25427 (180, 1)	30.44263 (180, 1)
352700.0 /	27.34500 (101, 1)	24.87182 (101, 1)	25.14046 (180, 1)	26.98007 (180, 1)	28.05344 (180, 1)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* SECOND HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE RECEPTOR GRID *

* MAXIMUM VALUE EQUALS 119.57732 AND OCCURRED AT (438800.0, 354000.0) *

Y-AXIS (METERS) /	X-AXIS (METERS) 439000.0	439100.0	439200.0
354700.0 /	25.81499 (110, 1)	27.45146 (112, 1)	30.22731 (112, 1)
354600.0 /	27.93483 (112, 1)	31.23623 (100, 1)	34.35812 (100, 1)
354500.0 /	37.58625 (100, 1)	40.81181 (100, 1)	42.67881 (100, 1)
354400.0 /	49.90216 (100, 1)	52.03120 (100, 1)	47.52078 (207, 1)
354300.0 /	46.67337 (112, 1)	53.69573 (112, 1)	62.49290 (112, 1)
354200.0 /	85.37954 (112, 1)	84.44564 (100, 1)	82.25813 (100, 1)
354100.0 /	103.50940 (100, 1)	99.04882 (100, 1)	94.53250 (100, 1)
354000.0 /	106.78339 (100, 1)	100.54407 (100, 1)	94.74571 (100, 1)
353900.0 /	87.45223 (112, 1)	84.14348 (100, 1)	79.41867 (100, 1)
353800.0 /	51.46952 (112, 1)	51.91042 (112, 1)	51.65077 (112, 1)
353700.0 /	32.96146 (180, 1)	31.54786 (100, 1)	31.69147 (100, 1)
353600.0 /	26.13291 (112, 1)	27.05941 (180, 1)	24.43216 (180, 1)
353500.0 /	17.11813 (112, 1)	21.24628 (112, 1)	23.98945 (180, 1)
353400.0 /	16.19486 (273, 1)	17.67223 (273, 1)	18.84827 (273, 1)
353300.0 /	16.09801 (273, 1)	17.47373 (273, 1)	18.55301 (273, 1)
353200.0 /	16.57531 (110, 1)	17.26696 (273, 1)	18.25534 (273, 1)
353100.0 /	22.57887 (110, 1)	17.48405 (110, 1)	17.96141 (273, 1)
353000.0 /	27.76752 (110, 1)	22.57194 (110, 1)	17.89651 (110, 1)
352900.0 /	32.01390 (110, 1)	27.30954 (110, 1)	22.47474 (110, 1)
352800.0 /	32.55748 (180, 1)	31.49787 (110, 1)	27.05429 (110, 1)
352700.0 /	29.02245 (180, 1)	30.65561 (180, 1)	31.21928 (110, 1)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* 50 MAXIMUM 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *

* FROM ALL SOURCES *

RANK	CON.	PER.	DAY	X OR RANGE (METERS)	Y(METERS) OR DIRECTION (DEGREES)	RANK	CON.	PER.	DAY	X OR RANGE (METERS)	Y(METERS) OR DIRECTION (DEGREES)
1	129.67303	1	112	439200.0	354100.0	26	110.89085	1	100	438700.0	354100.0
2	128.91029	1	112	439100.0	354100.0	27	110.31721	1	100	438800.0	354100.0
3	127.69781	1	100	438600.0	354000.0	28	109.96690	1	273	437900.0	352800.0
4	125.65123	1	100	438500.0	354000.0	29	108.42615	1	273	437900.0	353000.0
5	125.28198	1	112	439000.0	354100.0	30	107.74702	1	100	438600.0	354100.0
6	124.87182	1	100	438700.0	354000.0	31	107.49860	1	100	438900.0	354100.0
7	122.99385	1	273	438100.0	352800.0	32	107.44366	1	112	439200.0	354200.0
8	122.89373	1	273	438100.0	352700.0	33	106.78339	1	100	439000.0	354000.0
9	122.21223	1	273	438000.0	352900.0	34	106.32381	1	112	438800.0	354100.0
10	122.17374	1	112	438900.0	354000.0	35	105.81990	1	100	438600.0	353900.0
11	121.70303	1	273	438000.0	352800.0	36	105.32964	1	273	437900.0	352700.0
12	121.46926	1	112	439000.0	354000.0	37	103.79082	1	100	438500.0	353900.0
13	120.20494	1	112	438800.0	354000.0	38	103.70300	1	100	438700.0	353900.0
14	119.57732	1	100	438800.0	354000.0	39	103.50940	1	100	439000.0	354100.0
15	118.96524	1	112	439100.0	354000.0	40	103.26687	1	273	438200.0	352800.0
16	117.97655	1	112	438900.0	354100.0	41	102.31380	1	112	438600.0	354000.0
17	116.78649	1	273	438000.0	352700.0	42	101.40851	1	207	438500.0	354300.0
18	115.39519	1	273	438100.0	352900.0	43	100.82488	1	207	438600.0	354400.0
19	115.31093	1	112	439200.0	354000.0	44	100.54407	1	100	439100.0	354000.0
20	115.23077	1	273	438000.0	353000.0	45	99.64541	1	207	438700.0	354400.0
21	114.86919	1	100	438400.0	354000.0	46	99.50558	1	100	438800.0	353900.0
22	114.46118	1	112	438700.0	354000.0	47	99.12209	1	100	438500.0	354100.0
23	113.36034	1	273	438200.0	352700.0	48	99.04882	1	100	439100.0	354100.0
24	113.27099	1	100	438900.0	354000.0	49	97.84726	1	273	438100.0	353000.0
25	111.72247	1	273	437900.0	352900.0	50	97.74953	1	273	438000.0	353100.0

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ISCST FINE GRID ANALYSIS
PRODUCING HIGHEST AND
SECOND-HIGHEST 24-HOUR AVERAGES

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

CALCULATE (CONCENTRATION=1,DEPOSITION=2)	ISW(1) = 1
RECEPTOR GRID SYSTEM (RECTANGULAR=1 OR 3, POLAR=2 OR 4)	ISW(2) = 3
DISCRETE RECEPTOR SYSTEM (RECTANGULAR=1,POLAR=2)	ISW(3) = 1
TERRAIN ELEVATIONS ARE READ (YES=1,NO=0)	ISW(4) = 0
CALCULATIONS ARE WRITTEN TO TAPE (YES=1,NO=0)	ISW(5) = 0
LIST ALL INPUT DATA (NO=0,YES=1,MET DATA ALSO=2)	ISW(6) = 1
COMPUTE AVERAGE CONCENTRATION (OR TOTAL DEPOSITION)	
WITH THE FOLLOWING TIME PERIODS:	
HOURLY (YES=1,NO=0)	ISW(7) = 0
2-HOUR (YES=1,NO=0)	ISW(8) = 0
3-HOUR (YES=1,NO=0)	ISW(9) = 1
4-HOUR (YES=1,NO=0)	ISW(10) = 0
6-HOUR (YES=1,NO=0)	ISW(11) = 0
8-HOUR (YES=1,NO=0)	ISW(12) = 0
12-HOUR (YES=1,NO=0)	ISW(13) = 0
24-HOUR (YES=1,NO=0)	ISW(14) = 1
PRINT 'N'-DAY TABLE(S) (YES=1,NO=0)	ISW(15) = 0
PRINT THE FOLLOWING TYPES OF TABLES WHOSE TIME PERIODS ARE	
SPECIFIED BY ISW(7) THROUGH ISW(14):	
DAILY TABLES (YES=1,NO=0)	ISW(16) = 0
HIGHEST & SECOND HIGHEST TABLES (YES=1,NO=0)	ISW(17) = 1
MAXIMUM 50 TABLES (YES=1,NO=0)	ISW(18) = 1
METEOROLOGICAL DATA INPUT METHOD (PRE-PROCESSED=1,CARD=2)	ISW(19) = 1
RURAL-URBAN OPTION (RURAL=0,URBAN MODE 1=1,URBAN MODE 2=2)	ISW(20) = 0
WIND PROFILE EXPONENT VALUES (DEFAULTS=1,USER ENTERS=2,3)	ISW(21) = 1
VERTICAL POT. TEMP. GRADIENT VALUES (DEFAULTS=1,USER ENTERS=2,3)	ISW(22) = 1
SCALE EMISSION RATES FOR ALL SOURCES (NO=0,YES>0)	ISW(23) = 0
PROGRAM CALCULATES FINAL PLUME RISE ONLY (YES=1,NO=2)	ISW(24) = 1
PROGRAM ADJUSTS ALL STACK HEIGHTS FOR DOWNWASH (YES=2,NO=1)	ISW(25) = 1
NUMBER OF INPUT SOURCES	NSOURC = 17
NUMBER OF SOURCE GROUPS (=0,ALL SOURCES)	NGROUP = 0
TIME PERIOD INTERVAL TO BE PRINTED (=0,ALL INTERVALS)	IPERD = 0
NUMBER OF X (RANGE) GRID VALUES	NXPNTS = 21
NUMBER OF Y (THETA) GRID VALUES	NYPNTS = 21
NUMBER OF DISCRETE RECEPTORS	NXWYPT = 0
SOURCE EMISSION RATE UNITS CONVERSION FACTOR	TK =.10000E+07
ENTRAINMENT COEFFICIENT FOR UNSTABLE ATMOSPHERE	BETA1 =0.600
ENTRAINMENT COEFFICIENT FOR STABLE ATMOSPHERE	BETA2 =0.600
HEIGHT ABOVE GROUND AT WHICH WIND SPEED WAS MEASURED	ZR = 7.00 METERS
LOGICAL UNIT NUMBER OF METEOROLOGICAL DATA	IMET = 9
DECAY COEFFICIENT FOR PHYSICAL OR CHEMICAL DEPLETION	DECAY =0.000000E+00
SURFACE STATION NO.	ISS = 13889
YEAR OF SURFACE DATA	ISY = 71
UPPER AIR STATION NO.	IUS = 13861
YEAR OF UPPER AIR DATA	IUY = 71
ALLOCATED DATA STORAGE	LIMIT = 43500 WORDS
REQUIRED DATA STORAGE FOR THIS PROBLEM RUN	MIMIT = 9391 WORDS

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2,'1981) ***

*** METEOROLOGICAL DAYS TO BE PROCESSED ***
(IF=1)

```
0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0
1 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0
0 1 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 1 1 0 0 0   0 0 0 0 0 0
```

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** WIND PROFILE EXPONENTS ***

STABILITY CATEGORY	WIND SPEED CATEGORY 1	2	3	4	5	6
A	.10000E+00	.10000E+00	.10000E+00	.10000E+00	.10000E+00	.10000E+00
B	.15000E+00	.15000E+00	.15000E+00	.15000E+00	.15000E+00	.15000E+00
C	.20000E+00	.20000E+00	.20000E+00	.20000E+00	.20000E+00	.20000E+00
D	.25000E+00	.25000E+00	.25000E+00	.25000E+00	.25000E+00	.25000E+00
E	.30000E+00	.30000E+00	.30000E+00	.30000E+00	.30000E+00	.30000E+00
F	.30000E+00	.30000E+00	.30000E+00	.30000E+00	.30000E+00	.30000E+00

*** VERTICAL POTENTIAL TEMPERATURE GRADIENTS ***
(DEGREES KELVIN PER METER)

STABILITY CATEGORY	WIND SPEED CATEGORY 1	2	3	4	5	6
A	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
B	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
C	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
D	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
E	.20000E-01	.20000E-01	.20000E-01	.20000E-01	.20000E-01	.20000E-01
F	.35000E-01	.35000E-01	.35000E-01	.35000E-01	.35000E-01	.35000E-01

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

*** X-COORDINATES OF RECTANGULAR GRID SYSTEM ***
(METERS)

435200.0, 435300.0, 435400.0, 435500.0, 435600.0, 435700.0, 435800.0, 435900.0, 436000.0, 436100.0,
436200.0, 436300.0, 436400.0, 436500.0, 436600.0, 436700.0, 436800.0, 436900.0, 437000.0, 437100.0,
437200.0,

*** Y-COORDINATES OF RECTANGULAR GRID SYSTEM ***
(METERS)

350700.0, 350800.0, 350900.0, 351000.0, 351100.0, 351200.0, 351300.0, 351400.0, 351500.0, 351600.0,
351700.0, 351800.0, 351900.0, 352000.0, 352100.0, 352200.0, 352300.0, 352400.0, 352500.0, 352600.0,
352700.0,

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

*** SOURCE DATA ***

SOURCE NUMBER	TYPE	WAKE	NUMBER PART. CATS.	EMISSION RATE TYPE=0,1 (GRAMS/SEC) TYPE=2 (GRAMS/SEC) *PER METER**2	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	HEIGHT (METERS)	TEMP. TYPE=0 (DEG.K); VERT.DIM TYPE=1 (METERS)	EXIT VEL. TYPE=0 (M/SEC); HORZ.DIM TYPE=1,2 (METERS)	DIAMETER TYPE=0 (METERS)	BLDG. HEIGHT TYPE=0 (METERS)	BLDG. LENGTH TYPE=0 (METERS)	BLDG. WIDTH TYPE=0 (METERS)
1	0	0	0	0.11766E+04	446900.0	366300.0	0.0	194.20	327.60	18.29	10.13	0.00	0.00	0.00
2	0	0	0	0.70570E+03	446900.0	364900.0	0.0	76.20	401.00	20.10	5.03	0.00	0.00	0.00
3	0	0	0	0.70570E+03	446900.0	364900.0	0.0	91.40	408.20	8.50	5.33	0.00	0.00	0.00
4	0	0	0	0.12556E+04	446900.0	364900.0	0.0	106.70	438.80	19.20	7.01	0.00	0.00	0.00
5	0	0	0	0.23160E+03	446900.0	364900.0	0.0	10.10	779.80	18.30	6.56	0.00	0.00	0.00
6	0	0	0	0.13180E+03	437670.0	353900.0	0.0	40.70	433.20	11.70	2.44	0.00	0.00	0.00
7	0	0	0	0.90600E+02	437670.0	353900.0	0.0	40.70	406.50	10.30	3.05	0.00	0.00	0.00
8	0	0	0	0.11030E+03	437670.0	353900.0	0.0	43.70	422.10	11.80	3.35	0.00	0.00	0.00
9	0	0	0	0.20970E+03	437670.0	353900.0	0.0	44.20	416.50	13.70	3.05	0.00	0.00	0.00
10	0	0	0	0.16520E+03	440080.0	359150.0	0.0	45.70	414.30	7.80	3.20	0.00	0.00	0.00
11	0	0	0	0.20480E+03	440080.0	359150.0	0.0	41.50	405.40	15.50	2.74	0.00	0.00	0.00
12	0	0	0	0.19120E+03	440080.0	359150.0	0.0	13.70	714.30	8.80	5.84	0.00	0.00	0.00
13	0	0	0	0.13800E+02	440080.0	359150.0	0.0	6.30	766.50	11.80	3.13	0.00	0.00	0.00
14	0	0	0	0.20840E+03	441800.0	365600.0	0.0	32.30	433.00	16.10	2.13	0.00	0.00	0.00
15	0	0	0	0.82200E+02	437900.0	366800.0	0.0	15.90	505.00	8.60	1.37	0.00	0.00	0.00
16	0	0	0	0.54400E+02	439900.0	359300.0	0.0	76.20	477.00	9.20	3.78	0.00	0.00	0.00
17	0	0	0	0.25600E+02	447040.0	366570.0	0.0	85.40	441.00	12.20	2.08	0.00	0.00	0.00

Source NO.	Source Name
1	SJRPP Units 1 & 2
2	Northside Unit 1
3	Northside Unit 2
4	Northside Unit 3
5	Northside CT 3, 4, 5, 6
6	Southside Units 1 & 2
7	Southside Unit 3
8	Southside Unit 4
9	Southside Unit 5
10	Kennedy Units 8 & 9
11	Kennedy Unit 10
12	Kennedy CT 3, 4, 5, 6
13	Kennedy CT 1
14	St. Regis (All major sources)
15	Anheuser Busch (All major sources)
16	Alton Box Board (All major sources)
17	SJRPP Aux. Boiler

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* HIGHEST 3-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE RECEPTOR GRID *

* MAXIMUM VALUE EQUALS 670.38708 AND OCCURRED AT (436400.0, 352200.0) *

Y-AXIS / (METERS) /	X-AXIS (METERS) 435200.0	435300.0	435400.0	435500.0	435600.0
352700.0 /	297.96158 (101, 6)	323.44562 (101, 6)	326.37604 (101, 6)	327.35077 (101, 4)	405.31613 (101, 4)
352600.0 /	327.19434 (101, 6)	321.25342 (302, 6)	351.91077 (101, 4)	420.71216 (101, 4)	484.86630 (101, 4)
352500.0 /	323.03223 (302, 6)	366.20724 (101, 4)	424.52136 (101, 4)	474.67126 (101, 4)	508.12640 (101, 4)
352400.0 /	371.61227 (101, 4)	419.27032 (101, 4)	456.62341 (101, 4)	476.82477 (101, 4)	473.65338 (101, 4)
352300.0 /	407.36945 (101, 4)	433.60022 (101, 4)	443.20847 (101, 4)	431.97491 (101, 4)	398.12762 (101, 4)
352200.0 /	407.81271 (101, 4)	409.22482 (101, 4)	392.45532 (101, 4)	357.03650 (101, 4)	305.45844 (101, 4)
352100.0 /	376.13226 (101, 4)	355.77570 (101, 4)	320.17792 (101, 4)	280.75784 (356, 6)	364.07727 (356, 6)
352000.0 /	322.21036 (101, 4)	287.35760 (101, 4)	291.79568 (356, 6)	372.62384 (356, 6)	470.05963 (356, 6)
351900.0 /	258.26056 (101, 4)	301.36420 (356, 6)	379.13788 (356, 6)	469.62555 (356, 6)	545.09717 (356, 6)
351800.0 /	309.57809 (356, 6)	383.76648 (356, 6)	467.52814 (356, 6)	536.11060 (356, 6)	558.51453 (356, 6)
351700.0 /	386.96960 (356, 6)	464.25635 (356, 6)	526.35559 (356, 6)	546.72968 (356, 6)	507.83331 (356, 6)
351600.0 /	460.17761 (356, 6)	516.41864 (356, 6)	534.77026 (356, 6)	500.03259 (356, 6)	450.86261 (302, 8)
351500.0 /	506.44012 (356, 6)	522.92749 (356, 6)	491.73737 (356, 6)	444.44443 (302, 8)	503.58820 (302, 8)
351400.0 /	511.29587 (356, 6)	483.13864 (356, 6)	437.95996 (302, 8)	495.47202 (302, 8)	539.40533 (302, 8)
351300.0 /	474.38428 (356, 6)	431.51181 (302, 8)	487.09802 (302, 8)	531.89771 (302, 8)	554.82190 (302, 8)
351200.0 /	425.17078 (302, 8)	478.64941 (302, 8)	523.63318 (302, 8)	550.15643 (302, 8)	571.40918 (356, 7)
351100.0 /	470.25742 (302, 8)	514.90973 (302, 8)	544.03137 (302, 8)	550.67926 (356, 7)	578.84338 (356, 7)
351000.0 /	505.95288 (302, 8)	536.85907 (302, 8)	547.65314 (302, 8)	566.29559 (356, 7)	558.36230 (356, 7)
350900.0 /	528.96796 (302, 8)	543.54810 (302, 8)	551.37482 (356, 7)	555.77063 (356, 7)	517.74927 (356, 7)
350800.0 /	538.14490 (302, 8)	535.96790 (302, 8)	549.41016 (356, 7)	524.50574 (356, 7)	466.64429 (356, 7)
350700.0 /	534.05408 (302, 8)	540.14679 (356, 7)	526.91553 (356, 7)	480.40845 (356, 7)	413.74963 (356, 7)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* HIGHEST 3-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE RECEPTOR GRID *

* MAXIMUM VALUE EQUALS 670.38708 AND OCCURRED AT (436400.0, 352200.0) *

Y-AXIS / (METERS) /	X-AXIS (METERS) 435700.0	435800.0	435900.0	436000.0	436100.0
352700.0 /	483.70203 (101, 4)	551.28442 (101, 4)	593.41656 (101, 4)	595.13806 (101, 4)	546.82062 (101, 4)
352600.0 /	534.26190 (101, 4)	557.29407 (101, 4)	543.77081 (101, 4)	489.12167 (101, 4)	398.40356 (101, 4)
352500.0 /	516.17773 (101, 4)	492.36658 (101, 4)	435.43076 (101, 4)	351.56906 (101, 4)	433.48676 (356, 6)
352400.0 /	443.40207 (101, 4)	386.83911 (101, 4)	323.81036 (356, 6)	447.92145 (356, 6)	568.10870 (356, 6)
352300.0 /	343.58533 (101, 4)	339.90521 (356, 6)	458.13434 (356, 6)	568.27142 (356, 6)	602.66675 (356, 6)
352200.0 /	353.25665 (356, 6)	464.82208 (356, 6)	565.34662 (356, 6)	597.23297 (356, 6)	523.27936 (356, 6)
352100.0 /	468.61414 (356, 6)	560.11938 (356, 6)	589.49402 (356, 6)	524.89001 (356, 6)	468.85498 (302, 8)
352000.0 /	553.20819 (356, 6)	580.13330 (356, 6)	523.51727 (356, 6)	468.17953 (302, 8)	522.52472 (302, 8)
351900.0 /	569.67419 (356, 6)	519.86646 (356, 6)	465.61224 (302, 8)	523.43591 (302, 8)	611.15942 (356, 7)
351800.0 /	514.50513 (356, 6)	461.68039 (302, 8)	521.38873 (302, 8)	582.29504 (356, 7)	646.96948 (356, 7)
351700.0 /	456.79712 (302, 8)	517.15436 (302, 8)	552.71265 (356, 7)	630.28571 (356, 7)	625.52161 (356, 7)
351600.0 /	511.19696 (302, 8)	550.21216 (302, 8)	608.86224 (356, 7)	626.93658 (356, 7)	563.25824 (356, 7)
351500.0 /	545.76849 (302, 8)	584.61627 (356, 7)	620.35016 (356, 7)	581.58691 (356, 7)	483.72800 (356, 7)
351400.0 /	559.01544 (356, 7)	607.55920 (356, 7)	590.85748 (356, 7)	512.76001 (356, 7)	428.20227 (357, 5)
351300.0 /	590.74585 (356, 7)	592.43298 (356, 7)	534.18384 (356, 7)	438.88080 (356, 7)	480.59705 (357, 5)
351200.0 /	587.96790 (356, 7)	548.47351 (356, 7)	466.57751 (356, 7)	439.56390 (357, 5)	516.75696 (357, 5)
351100.0 /	556.24677 (356, 7)	489.06378 (356, 7)	401.61780 (302, 1)	482.43433 (357, 5)	533.08557 (357, 5)
351000.0 /	506.07379 (356, 7)	426.74170 (356, 7)	445.21811 (357, 5)	509.85822 (357, 5)	529.54608 (357, 5)
350900.0 /	448.70786 (356, 7)	407.98935 (357, 5)	479.83539 (357, 5)	519.77795 (357, 5)	508.91101 (357, 5)
350800.0 /	393.19104 (356, 7)	446.46136 (357, 5)	500.12817 (357, 5)	512.87402 (357, 5)	475.48215 (357, 5)
350700.0 /	412.29303 (357, 5)	474.00964 (357, 5)	505.13440 (357, 5)	491.77673 (357, 5)	433.93890 (357, 5)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* HIGHEST 3-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE RECEPTOR GRID *

* MAXIMUM VALUE EQUALS 670.38708 AND OCCURRED AT (436400.0, 352200.0) *

Y-AXIS (METERS) /	X-AXIS (METERS) 436200.0	436300.0	436400.0	436500.0	436600.0
352700.0 /	450.76157 (101, 4)	389.10828 (356, 6)	538.14240 (356, 6)	579.70868 (356, 6)	434.55042 (356, 6)
352600.0 /	414.10583 (356, 6)	554.36774 (356, 6)	595.01746 (356, 6)	467.16284 (356, 6)	531.07361 (356, 7)
352500.0 /	563.87659 (356, 6)	602.83661 (356, 6)	491.02979 (356, 6)	506.48996 (356, 7)	648.11353 (356, 7)
352400.0 /	604.91168 (356, 6)	507.47247 (356, 6)	479.36093 (356, 7)	635.73938 (356, 7)	648.15332 (356, 7)
352300.0 /	517.81989 (356, 6)	461.75665 (302, 8)	612.58630 (356, 7)	668.72845 (356, 7)	557.37231 (356, 7)
352200.0 /	466.98010 (302, 8)	583.65027 (356, 7)	670.38708 (356, 7)	608.19312 (356, 7)	445.84332 (357, 4)
352100.0 /	552.36572 (356, 7)	658.39880 (356, 7)	640.20959 (356, 7)	501.88840 (356, 7)	520.09998 (357, 5)
352000.0 /	637.42865 (356, 7)	655.20514 (356, 7)	552.64185 (356, 7)	477.26709 (357, 5)	564.70679 (357, 5)
351900.0 /	656.31812 (356, 7)	590.03900 (356, 7)	450.29562 (356, 7)	541.09558 (357, 5)	566.41553 (357, 5)
351800.0 /	613.89685 (356, 7)	497.07867 (356, 7)	501.46790 (357, 5)	570.45483 (357, 5)	531.74329 (357, 5)
351700.0 /	535.12134 (356, 7)	455.47787 (357, 5)	550.00684 (357, 5)	563.47455 (357, 5)	473.79025 (357, 5)
351600.0 /	447.87909 (356, 7)	514.55328 (357, 5)	567.38843 (357, 5)	527.09332 (357, 5)	405.86484 (357, 5)
351500.0 /	472.06659 (357, 5)	550.10095 (357, 5)	554.47290 (357, 5)	472.05585 (357, 5)	381.23627 (357, 6)
351400.0 /	519.04285 (357, 5)	558.40051 (357, 5)	517.79553 (357, 5)	408.83533 (357, 5)	386.75592 (302, 2)
351300.0 /	544.02826 (357, 5)	541.61127 (357, 5)	466.08777 (357, 5)	380.29767 (302, 2)	388.59955 (302, 2)
351200.0 /	545.29718 (357, 5)	505.44061 (357, 5)	407.63318 (357, 5)	395.46277 (302, 2)	381.82407 (302, 2)
351100.0 /	525.82562 (357, 5)	456.89474 (357, 5)	383.44843 (302, 2)	399.23401 (302, 2)	370.02158 (302, 2)
351000.0 /	490.74359 (357, 5)	402.87714 (357, 5)	399.98389 (302, 2)	393.57758 (302, 2)	356.24069 (302, 2)
350900.0 /	445.80453 (357, 5)	383.48199 (302, 2)	405.76022 (302, 2)	381.73093 (302, 2)	359.57013 (357, 7)
350800.0 /	396.28772 (357, 5)	401.40594 (302, 2)	402.11163 (302, 2)	366.80676 (302, 2)	365.35162 (357, 7)
350700.0 /	381.48486 (302, 2)	409.25592 (302, 2)	391.45432 (302, 2)	351.34579 (302, 2)	367.79938 (357, 7)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* HIGHEST 3-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE RECEPTOR GRID *

* MAXIMUM VALUE EQUALS 670.38708 AND OCCURRED AT (436400.0, 352200.0) *

Y-AXIS / (METERS) /	X-AXIS (METERS) 436700.0	436800.0	436900.0	437000.0	437100.0
352700.0 /	549.15820 (356, 7)	612.86145 (356, 7)	443.20825 (356, 7)	444.53656 (357, 5)	364.65424 (357, 6)
352600.0 /	643.04645 (356, 7)	534.10455 (356, 7)	454.59967 (357, 5)	445.29938 (357, 5)	383.07117 (357, 6)
352500.0 /	603.91473 (356, 7)	432.43976 (357, 4)	503.88510 (357, 5)	392.46167 (357, 5)	373.22351 (357, 6)
352400.0 /	488.93726 (356, 7)	511.02893 (357, 5)	490.22437 (357, 5)	396.97189 (357, 6)	345.87683 (357, 6)
352300.0 /	483.49130 (357, 5)	540.99884 (357, 5)	431.71860 (357, 5)	390.21649 (357, 6)	374.72739 (357, 7)
352200.0 /	546.37744 (357, 5)	516.85553 (357, 5)	400.81342 (357, 6)	365.80322 (357, 6)	395.08469 (357, 7)
352100.0 /	560.25647 (357, 5)	456.34833 (357, 5)	396.84787 (357, 6)	375.73584 (357, 7)	402.78766 (357, 7)
352000.0 /	529.38336 (357, 5)	397.85559 (357, 6)	376.40732 (357, 6)	397.46228 (357, 7)	398.01294 (357, 7)
351900.0 /	469.37973 (357, 5)	396.01453 (357, 6)	366.30597 (357, 7)	410.96588 (357, 7)	383.20142 (357, 7)
351800.0 /	397.18616 (357, 5)	379.45160 (357, 6)	386.16754 (357, 7)	414.53973 (357, 7)	361.66345 (357, 7)
351700.0 /	390.19952 (357, 6)	355.90817 (302, 2)	401.67477 (357, 7)	408.53467 (357, 7)	336.58328 (357, 7)
351600.0 /	376.96521 (357, 6)	368.76556 (357, 7)	410.48291 (357, 7)	394.66144 (357, 7)	310.52090 (357, 7)
351500.0 /	374.06793 (302, 2)	383.71698 (357, 7)	411.65039 (357, 7)	375.20819 (357, 7)	285.28000 (357, 7)
351400.0 /	366.86423 (302, 2)	394.80902 (357, 7)	405.50806 (357, 7)	352.45862 (357, 7)	263.13489 (302, 2)
351300.0 /	362.49457 (357, 7)	400.56323 (357, 7)	393.23227 (357, 7)	328.36224 (357, 7)	245.92682 (302, 2)
351200.0 /	373.82062 (357, 7)	400.43881 (357, 7)	376.39447 (357, 7)	304.40710 (357, 7)	247.88611 (357, 8)
351100.0 /	381.86420 (357, 7)	394.70184 (357, 7)	356.61279 (357, 7)	281.61874 (357, 7)	257.74323 (357, 8)
351000.0 /	385.51251 (357, 7)	384.08212 (357, 7)	335.33594 (357, 7)	260.62518 (357, 7)	266.60291 (357, 8)
350900.0 /	384.52707 (357, 7)	369.58823 (357, 7)	313.53973 (357, 7)	241.65268 (357, 7)	274.05685 (357, 8)
350800.0 /	379.24042 (357, 7)	352.59970 (357, 7)	292.37231 (357, 7)	245.90062 (357, 8)	279.90573 (357, 8)
350700.0 /	370.21588 (357, 7)	334.17535 (357, 7)	272.42062 (357, 7)	252.99597 (357, 8)	284.16730 (357, 8)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* HIGHEST 3-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE RECEPTOR GRID *

* MAXIMUM VALUE EQUALS 670.38708 AND OCCURRED AT (436400.0, 352200.0) *

Y-AXIS (METERS)	437200.0
352700.0	343.78488 (357, 6)
352600.0	324.55502 (357, 7)
352500.0	353.59839 (357, 7)
352400.0	367.59698 (357, 7)
352300.0	365.92368 (357, 7)
352200.0	351.82419 (357, 7)
352100.0	329.91248 (357, 7)
352000.0	304.44775 (357, 7)
351900.0	278.60565 (357, 7)
351800.0	259.92560 (302, 2)
351700.0	243.64072 (302, 2)
351600.0	243.04227 (357, 8)
351500.0	255.38251 (357, 8)
351400.0	266.63892 (357, 8)
351300.0	276.44153 (357, 8)
351200.0	284.51920 (357, 8)
351100.0	290.69958 (357, 8)
351000.0	294.90158 (357, 8)
350900.0	296.98999 (357, 8)
350800.0	296.94748 (357, 8)
350700.0	295.12610 (357, 8)

X-AXIS (METERS)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* SECOND HIGHEST 3-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE RECEPTOR GRID *

* MAXIMUM VALUE EQUALS 557.62488 AND OCCURRED AT (435800.0, 351500.0) *

Y-AXIS (METERS) /	X-AXIS (METERS) 435200.0	435300.0	435400.0	435500.0	435600.0
352700.0 /	257.38110 (356, 6)	269.83545 (302, 6)	306.38959 (302, 6)	326.67334 (302, 6)	323.73511 (302, 6)
352600.0 /	296.95343 (302, 6)	309.32526 (101, 6)	326.87329 (302, 6)	310.33496 (302, 6)	273.27676 (302, 6)
352500.0 /	306.64484 (101, 4)	315.64716 (302, 6)	289.21655 (302, 6)	247.85368 (302, 6)	267.06714 (302, 4)
352400.0 /	296.68976 (302, 6)	264.11005 (302, 6)	258.10321 (302, 4)	279.61057 (302, 4)	288.39166 (302, 4)
352300.0 /	248.02184 (302, 8)	271.37039 (302, 4)	287.33408 (302, 4)	289.59485 (302, 4)	277.60773 (302, 4)
352200.0 /	280.58807 (302, 4)	290.93964 (302, 4)	287.80786 (302, 4)	273.10352 (302, 4)	268.32455 (356, 6)
352100.0 /	291.14642 (302, 4)	283.97119 (302, 4)	267.88544 (302, 4)	272.03580 (101, 4)	260.74234 (356, 8)
352000.0 /	278.65027 (302, 4)	262.33765 (302, 4)	248.60289 (357, 2)	262.36481 (356, 8)	282.90686 (356, 8)
351900.0 /	256.66632 (302, 4)	244.54192 (302, 4)	263.14233 (356, 8)	280.43079 (356, 8)	292.67807 (302, 5)
351800.0 /	241.81511 (356, 8)	263.20605 (356, 8)	277.64624 (356, 8)	295.16034 (302, 5)	330.09235 (302, 5)
351700.0 /	262.77615 (356, 8)	274.71381 (356, 8)	296.94998 (302, 5)	329.41351 (302, 5)	389.01520 (302, 8)
351600.0 /	271.73639 (356, 8)	298.32608 (302, 5)	329.37405 (302, 8)	385.91864 (302, 8)	415.42905 (356, 6)
351500.0 /	299.33389 (302, 5)	329.29532 (302, 8)	382.67029 (302, 8)	414.98373 (356, 6)	410.88925 (302, 5)
351400.0 /	328.97910 (302, 8)	379.33990 (302, 8)	413.34888 (356, 6)	402.37057 (302, 5)	469.51349 (356, 7)
351300.0 /	375.97519 (302, 8)	410.76978 (356, 6)	394.38098 (302, 5)	445.37216 (356, 7)	533.40070 (356, 7)
351200.0 /	407.45026 (356, 6)	386.91626 (302, 5)	423.30527 (356, 7)	508.46555 (356, 7)	550.26062 (302, 8)
351100.0 /	379.95514 (302, 5)	405.08957 (302, 5)	484.65363 (356, 7)	550.05249 (302, 8)	528.80170 (302, 8)
351000.0 /	395.99927 (302, 5)	462.22714 (356, 7)	529.40912 (356, 7)	533.80255 (302, 8)	494.90515 (302, 8)
350900.0 /	441.31821 (356, 7)	508.22046 (356, 7)	536.02911 (302, 8)	504.99265 (302, 8)	453.42953 (302, 8)
350800.0 /	487.55054 (356, 7)	534.94122 (356, 7)	512.00684 (302, 8)	467.75217 (302, 8)	408.93658 (302, 8)
350700.0 /	517.67725 (356, 7)	516.35120 (302, 8)	479.05365 (302, 8)	426.15915 (302, 8)	377.23581 (356, 4)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* SECOND HIGHEST 3-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE RECEPTOR GRID *

* MAXIMUM VALUE EQUALS 557.62488 AND OCCURRED AT (435800.0, 351500.0) *

Y-AXIS (METERS) /	X-AXIS (METERS) 435700.0	435800.0	435900.0	436000.0	436100.0
352700.0 /	295.40997 (302, 6)	246.83720 (302, 6)	255.83875 (302, 4)	278.98029 (302, 3)	295.65442 (302, 3)
352600.0 /	249.33653 (302, 4)	272.55960 (302, 4)	284.65146 (302, 3)	289.94284 (302, 3)	283.07697 (356, 6)
352500.0 /	283.09589 (302, 4)	284.79218 (302, 3)	280.71741 (302, 3)	304.85291 (356, 6)	284.98187 (356, 8)
352400.0 /	280.75623 (302, 3)	269.46725 (302, 3)	310.36322 (101, 4)	286.87268 (356, 8)	306.34421 (356, 8)
352300.0 /	261.12897 (357, 2)	274.43985 (101, 4)	287.25629 (356, 8)	303.43765 (356, 8)	323.98505 (302, 5)
352200.0 /	261.43427 (357, 2)	286.52853 (356, 8)	299.82733 (356, 8)	326.94870 (302, 5)	392.67566 (302, 8)
352100.0 /	284.99933 (356, 8)	295.78387 (356, 8)	328.81924 (302, 5)	394.02267 (302, 8)	413.23010 (302, 5)
352000.0 /	291.50543 (356, 8)	329.84402 (302, 5)	394.04440 (302, 8)	408.79883 (302, 5)	520.94312 (356, 7)
351900.0 /	330.21802 (302, 5)	393.06403 (302, 8)	405.33563 (356, 6)	490.71664 (356, 7)	543.04877 (302, 8)
351800.0 /	391.33905 (302, 8)	410.99860 (356, 6)	462.42548 (356, 7)	549.39240 (302, 8)	530.95410 (302, 8)
351700.0 /	414.27716 (356, 6)	436.42197 (356, 7)	551.46735 (302, 8)	544.92920 (302, 8)	496.25842 (302, 5)
351600.0 /	419.91693 (302, 5)	523.65149 (356, 7)	553.61597 (302, 8)	515.64001 (302, 8)	454.91901 (302, 5)
351500.0 /	495.69492 (356, 7)	557.62488 (302, 8)	531.57416 (302, 8)	472.37036 (302, 5)	421.02826 (356, 4)
351400.0 /	557.51764 (302, 8)	541.76196 (302, 8)	491.91000 (302, 8)	431.97253 (356, 4)	421.12433 (357, 4)
351300.0 /	547.71075 (302, 8)	508.36987 (302, 8)	442.81561 (302, 8)	400.06427 (356, 4)	444.12598 (302, 1)
351200.0 /	520.50220 (302, 8)	464.05969 (302, 8)	410.94138 (356, 4)	422.48544 (302, 1)	468.52280 (302, 1)
351100.0 /	481.36450 (302, 8)	418.18542 (356, 4)	401.22070 (356, 7)	450.13400 (302, 1)	479.42282 (302, 1)
351000.0 /	435.92355 (302, 8)	389.56052 (356, 4)	428.92792 (302, 1)	469.34424 (302, 1)	473.97424 (302, 1)
350900.0 /	397.54636 (356, 4)	407.60559 (302, 1)	452.58270 (302, 1)	475.39230 (302, 1)	453.01270 (302, 1)
350800.0 /	387.83838 (302, 1)	432.46210 (302, 1)	467.01221 (302, 1)	466.75336 (302, 1)	419.90088 (302, 1)
350700.0 /	411.49152 (302, 1)	452.05478 (302, 1)	469.01270 (302, 1)	444.68832 (302, 1)	379.11676 (302, 1)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* SECOND HIGHEST 3-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE RECEPTOR GRID *

* MAXIMUM VALUE EQUALS 557.62488 AND OCCURRED AT (435800.0, 351500.0) *

Y-AXIS (METERS) /	X-AXIS (METERS) 436200.0	436300.0	436400.0	436500.0	436600.0
352700.0 /	278.76801 (357, 2)	324.73328 (101, 4)	306.60168 (356, 8)	314.30670 (356, 8)	359.83752 (357, 1)
352600.0 /	287.44843 (101, 4)	308.47632 (356, 8)	316.09064 (356, 8)	365.09262 (302, 8)	434.55450 (357, 6)
352500.0 /	308.18378 (356, 8)	315.39423 (356, 8)	376.36984 (302, 8)	437.46729 (302, 8)	470.21811 (357, 6)
352400.0 /	319.62305 (302, 5)	384.35211 (302, 8)	452.25531 (302, 8)	484.88513 (357, 6)	456.38031 (302, 5)
352300.0 /	389.60886 (302, 8)	452.09433 (356, 7)	492.02319 (302, 8)	482.20737 (302, 5)	415.96054 (356, 4)
352200.0 /	426.05408 (356, 7)	507.94751 (302, 8)	495.98969 (302, 5)	450.61414 (302, 5)	440.35291 (356, 7)
352100.0 /	517.72284 (302, 8)	513.31598 (302, 8)	480.79230 (302, 5)	413.92578 (356, 4)	482.30746 (357, 4)
352000.0 /	531.38568 (302, 8)	499.28818 (302, 5)	436.66223 (356, 4)	464.50424 (357, 4)	484.45044 (357, 4)
351900.0 /	510.83002 (302, 8)	459.91220 (302, 5)	436.20004 (357, 4)	483.79050 (357, 4)	462.39145 (357, 4)
351800.0 /	482.67609 (302, 5)	423.60388 (356, 4)	469.68750 (357, 4)	475.96225 (357, 4)	427.18759 (357, 4)
351700.0 /	439.45563 (356, 4)	445.90060 (357, 4)	476.46118 (357, 4)	458.18710 (302, 1)	386.42755 (357, 4)
351600.0 /	416.33261 (357, 4)	465.69492 (357, 4)	475.57587 (302, 1)	428.03415 (302, 1)	380.71765 (357, 6)
351500.0 /	446.28345 (357, 4)	475.38092 (302, 1)	463.38718 (302, 1)	382.57101 (302, 1)	373.48129 (302, 2)
351400.0 /	463.13452 (302, 1)	479.81296 (302, 1)	431.38303 (302, 1)	369.38361 (357, 6)	370.67856 (357, 6)
351300.0 /	480.21490 (302, 1)	463.80048 (302, 1)	386.43781 (302, 1)	370.39230 (357, 6)	351.77173 (357, 6)
351200.0 /	478.95078 (302, 1)	430.69891 (302, 1)	357.31073 (357, 6)	361.90683 (357, 6)	330.15924 (357, 7)
351100.0 /	459.73334 (302, 1)	386.45038 (302, 1)	358.44672 (357, 6)	345.82700 (357, 6)	340.90143 (357, 7)
351000.0 /	426.21783 (302, 1)	356.14709 (302, 2)	351.46497 (357, 6)	324.60355 (357, 6)	351.07849 (357, 7)
350900.0 /	383.62994 (302, 1)	348.57733 (357, 5)	337.75519 (357, 6)	319.91742 (357, 7)	343.04089 (302, 2)
350800.0 /	354.09375 (302, 2)	340.19794 (357, 6)	319.17682 (357, 6)	328.68250 (357, 7)	331.64435 (302, 2)
350700.0 /	346.39758 (357, 5)	328.46057 (357, 6)	300.70731 (357, 7)	336.90234 (357, 7)	322.31915 (302, 2)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* SECOND HIGHEST 3-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE RECEPTOR GRID *

* MAXIMUM VALUE EQUALS 557.62488 AND OCCURRED AT (435800.0, 351500.0) *

Y-AXIS (METERS) /	X-AXIS (METERS) 436700.0	436800.0	436900.0	437000.0	437100.0
352700.0 /	427.28748 (357, 6)	405.82458 (356, 8)	372.94397 (357, 4)	427.79498 (357, 1)	336.84961 (357, 5)
352600.0 /	443.64008 (357, 6)	367.32050 (356, 4)	437.41357 (357, 1)	403.07788 (357, 4)	287.92111 (357, 4)
352500.0 /	416.44589 (302, 5)	428.64325 (357, 5)	459.15338 (357, 1)	378.76147 (357, 6)	311.55286 (357, 7)
352400.0 /	408.95712 (357, 4)	470.33798 (357, 4)	427.36865 (357, 4)	318.29193 (357, 4)	344.91269 (357, 7)
352300.0 /	467.16846 (357, 4)	471.18402 (357, 1)	386.07562 (357, 4)	323.16748 (357, 7)	313.28665 (357, 6)
352200.0 /	484.28647 (357, 4)	436.25800 (357, 4)	355.14355 (357, 5)	349.54221 (357, 7)	295.58301 (302, 2)
352100.0 /	470.09662 (357, 1)	393.10059 (357, 4)	326.63745 (302, 2)	333.58167 (357, 6)	302.59766 (302, 2)
352000.0 /	434.91577 (357, 4)	380.94662 (357, 5)	345.27914 (357, 7)	313.17410 (302, 2)	308.32660 (302, 2)
351900.0 /	392.27780 (357, 4)	347.11667 (302, 2)	346.89801 (357, 6)	315.24042 (302, 2)	310.94086 (302, 2)
351800.0 /	390.58514 (357, 6)	356.50864 (302, 2)	331.37848 (302, 2)	318.11041 (302, 2)	309.29047 (302, 2)
351700.0 /	362.59702 (302, 2)	353.54828 (357, 6)	328.00491 (302, 2)	320.44324 (302, 2)	303.07697 (302, 2)
351600.0 /	373.86273 (302, 2)	349.69431 (302, 2)	326.07236 (302, 2)	320.73343 (302, 2)	292.71741 (302, 2)
351500.0 /	354.72717 (357, 6)	341.87518 (302, 2)	325.31799 (302, 2)	317.92151 (302, 2)	279.06378 (302, 2)
351400.0 /	349.41452 (357, 7)	334.96350 (302, 2)	324.64105 (302, 2)	311.58218 (302, 2)	261.97479 (357, 7)
351300.0 /	356.23621 (302, 2)	329.83209 (302, 2)	322.81589 (302, 2)	301.85376 (302, 2)	241.17717 (357, 7)
351200.0 /	345.30188 (302, 2)	326.16101 (302, 2)	318.91489 (302, 2)	289.25952 (302, 2)	228.30463 (302, 2)
351100.0 /	335.82700 (302, 2)	323.04172 (302, 2)	312.46112 (302, 2)	274.52148 (302, 2)	210.95683 (302, 2)
351000.0 /	328.18457 (302, 2)	319.39267 (302, 2)	303.40158 (302, 2)	258.41168 (302, 2)	194.56223 (357, 7)
350900.0 /	322.06500 (302, 2)	314.27301 (302, 2)	291.71848 (302, 2)	241.47571 (302, 2)	186.03940 (356, 7)
350800.0 /	316.84760 (302, 2)	307.45572 (302, 2)	278.23001 (302, 2)	224.89383 (357, 7)	178.27664 (356, 7)
350700.0 /	311.70935 (302, 2)	298.78613 (302, 2)	263.49304 (302, 2)	210.32536 (357, 7)	170.26424 (356, 7)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* SECOND HIGHEST 3-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE RECEPTOR GRID *

* MAXIMUM VALUE EQUALS 557.62488 AND OCCURRED AT (435800.0, 351500.0) *

Y-AXIS (METERS) /	437200.0
352700.0 /	286.49789 (357, 7)
352600.0 /	316.67456 (357, 6)
352500.0 /	287.94739 (357, 6)
352400.0 /	278.01697 (302, 2)
352300.0 /	286.67786 (302, 2)
352200.0 /	291.35559 (302, 2)
352100.0 /	290.74316 (302, 2)
352000.0 /	284.72018 (302, 2)
351900.0 /	274.04724 (302, 2)
351800.0 /	254.39655 (357, 7)
351700.0 /	232.87767 (357, 7)
351600.0 /	226.34612 (302, 2)
351500.0 /	217.57654 (356, 7)
351400.0 /	211.91380 (356, 7)
351300.0 /	205.62393 (356, 7)
351200.0 /	198.78674 (356, 7)
351100.0 /	191.48412 (356, 7)
351000.0 /	183.79820 (356, 7)
350900.0 /	175.81029 (356, 7)
350800.0 /	174.67789 (357, 3)
350700.0 /	178.67668 (357, 3)

X-AXIS (METERS)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* 50 MAXIMUM 3-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *

* FROM ALL SOURCES *

RANK	CON.	PER.	DAY	X OR RANGE (METERS)	Y(METERS) OR DIRECTION (DEGREES)	RANK	CON.	PER.	DAY	X OR RANGE (METERS)	Y(METERS) OR DIRECTION (DEGREES)
1	670.38708	7	356	436400.0	352200.0	26	602.83661	6	356	436300.0	352500.0
2	668.72845	7	356	436500.0	352300.0	27	602.66675	6	356	436100.0	352300.0
3	658.39880	7	356	436300.0	352100.0	28	597.23297	6	356	436000.0	352200.0
4	656.31812	7	356	436200.0	351900.0	29	595.13806	4	101	436000.0	352700.0
5	655.20514	7	356	436300.0	352000.0	30	595.01746	6	356	436400.0	352600.0
6	648.15332	7	356	436600.0	352400.0	31	593.41656	4	101	435900.0	352700.0
7	648.11353	7	356	436600.0	352500.0	32	592.43298	7	356	435800.0	351300.0
8	646.96948	7	356	436100.0	351800.0	33	590.85748	7	356	435900.0	351400.0
9	643.04645	7	356	436700.0	352600.0	34	590.74585	7	356	435700.0	351300.0
10	640.20959	7	356	436400.0	352100.0	35	590.03900	7	356	436300.0	351900.0
11	637.42865	7	356	436200.0	352000.0	36	589.49402	6	356	435900.0	352100.0
12	635.73938	7	356	436500.0	352400.0	37	587.96790	7	356	435700.0	351200.0
13	630.28571	7	356	436000.0	351700.0	38	584.61627	7	356	435800.0	351500.0
14	626.93658	7	356	436000.0	351600.0	39	583.65027	7	356	436300.0	352200.0
15	625.52161	7	356	436100.0	351700.0	40	582.29504	7	356	436000.0	351800.0
16	620.35016	7	356	435900.0	351500.0	41	581.58691	7	356	436000.0	351500.0
17	613.89685	7	356	436200.0	351800.0	42	580.13330	6	356	435800.0	352000.0
18	612.86145	7	356	436800.0	352700.0	43	579.70868	6	356	436500.0	352700.0
19	612.58630	7	356	436400.0	352300.0	44	578.84338	7	356	435600.0	351100.0
20	611.15942	7	356	436100.0	351900.0	45	571.40918	7	356	435600.0	351200.0
21	608.86224	7	356	435900.0	351600.0	46	570.45483	5	357	436500.0	351800.0
22	608.19312	7	356	436500.0	352200.0	47	569.67419	6	356	435700.0	351900.0
23	607.55920	7	356	435800.0	351400.0	48	568.27142	6	356	436000.0	352300.0
24	604.91168	6	356	436200.0	352400.0	49	568.10870	6	356	436100.0	352400.0
25	603.91473	7	356	436700.0	352500.0	50	567.38843	5	357	436400.0	351600.0

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE RECEPTOR GRID *

* MAXIMUM VALUE EQUALS 331.04660 AND OCCURRED AT (436700.0, 352100.0) *

Y-AXIS (METERS) /	X-AXIS (METERS) 435200.0	435300.0	435400.0	435500.0	435600.0
352700.0 /	173.02234 (302, 1)	180.18176 (302, 1)	184.70370 (302, 1)	186.17941 (302, 1)	185.03830 (302, 1)
352600.0 /	183.62991 (302, 1)	186.54588 (302, 1)	186.73654 (302, 1)	185.08850 (302, 1)	183.02628 (302, 1)
352500.0 /	186.46841 (302, 1)	185.99094 (302, 1)	184.42694 (302, 1)	182.91960 (302, 1)	181.97021 (302, 1)
352400.0 /	184.51608 (302, 1)	183.37112 (302, 1)	182.40520 (302, 1)	181.56628 (302, 1)	179.91008 (302, 1)
352300.0 /	182.05675 (302, 1)	181.48859 (302, 1)	180.54492 (302, 1)	178.29681 (302, 1)	174.24173 (302, 1)
352200.0 /	180.17343 (302, 1)	178.99016 (302, 1)	176.22147 (302, 1)	171.86444 (302, 1)	173.46600 (356, 1)
352100.0 /	176.97778 (302, 1)	173.84573 (302, 1)	169.42126 (302, 1)	174.65239 (356, 1)	187.64838 (356, 1)
352000.0 /	171.25299 (302, 1)	166.98981 (302, 1)	175.33374 (356, 1)	187.82639 (356, 1)	202.39633 (356, 1)
351900.0 /	165.91713 (356, 1)	175.53537 (356, 1)	187.53392 (356, 1)	201.19067 (356, 1)	214.42938 (356, 1)
351800.0 /	175.35483 (356, 1)	186.81210 (356, 1)	199.61505 (356, 1)	211.92783 (356, 1)	221.88208 (356, 1)
351700.0 /	185.79581 (356, 1)	197.77869 (356, 1)	209.19864 (356, 1)	218.52196 (356, 1)	230.57907 (302, 1)
351600.0 /	195.76700 (356, 1)	206.38086 (356, 1)	215.08780 (356, 1)	226.51268 (302, 1)	250.74707 (302, 1)
351500.0 /	203.50931 (356, 1)	211.65393 (356, 1)	222.47319 (302, 1)	245.56625 (302, 1)	267.75082 (302, 1)
351400.0 /	208.24307 (356, 1)	218.50116 (302, 1)	240.44534 (302, 1)	261.91101 (302, 1)	280.16382 (302, 1)
351300.0 /	214.62427 (302, 1)	235.43260 (302, 1)	256.09280 (302, 1)	274.30713 (302, 1)	286.86475 (302, 1)
351200.0 /	230.56145 (302, 1)	250.36453 (302, 1)	268.33618 (302, 1)	281.73596 (302, 1)	287.38586 (302, 1)
351100.0 /	244.77434 (302, 1)	262.35416 (302, 1)	276.26166 (302, 1)	283.64215 (302, 1)	282.23480 (302, 1)
351000.0 /	256.43747 (302, 1)	270.58887 (302, 1)	279.28210 (302, 1)	280.22867 (302, 1)	272.85455 (302, 1)
350900.0 /	264.83148 (302, 1)	274.48474 (302, 1)	277.38983 (302, 1)	272.51483 (302, 1)	261.21420 (302, 1)
350800.0 /	269.39709 (302, 1)	273.89478 (302, 1)	271.26700 (302, 1)	262.09006 (302, 1)	249.25591 (302, 1)
350700.0 /	269.90045 (302, 1)	269.24051 (302, 1)	262.15680 (302, 1)	250.69141 (302, 1)	238.44754 (302, 1)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE RECEPTOR GRID *

* MAXIMUM VALUE EQUALS 331.04660 AND OCCURRED AT (436700.0, 352100.0) *

Y-AXIS (METERS) /	X-AXIS (METERS) 435700.0	435800.0	435900.0	436000.0	436100.0
352700.0 /	182.66093 (302, 1)	180.78488 (302, 1)	180.16373 (302, 1)	179.48718 (302, 1)	176.53038 (302, 1)
352600.0 /	181.71057 (302, 1)	181.01138 (302, 1)	179.31931 (302, 1)	175.35233 (302, 1)	176.34436 (356, 1)
352500.0 /	180.87686 (302, 1)	178.19409 (302, 1)	173.64714 (302, 1)	180.36392 (356, 1)	199.71539 (356, 1)
352400.0 /	176.41638 (302, 1)	171.68402 (302, 1)	183.39148 (356, 1)	201.88969 (356, 1)	221.21262 (356, 1)
352300.0 /	171.70651 (356, 1)	185.53789 (356, 1)	203.07683 (356, 1)	221.03809 (356, 1)	234.82120 (356, 1)
352200.0 /	186.91959 (356, 1)	203.45789 (356, 1)	220.11383 (356, 1)	233.08232 (356, 1)	246.38312 (302, 1)
352100.0 /	203.18781 (356, 1)	218.61601 (356, 1)	230.77713 (356, 1)	244.17937 (302, 1)	271.84393 (302, 1)
352000.0 /	216.68439 (356, 1)	228.06549 (356, 1)	241.32536 (302, 1)	268.77042 (302, 1)	290.43549 (302, 1)
351900.0 /	225.06949 (356, 1)	238.01511 (302, 1)	264.92029 (302, 1)	287.50241 (302, 1)	299.31189 (302, 1)
351800.0 /	234.40118 (302, 1)	260.53894 (302, 1)	283.51349 (302, 1)	297.85056 (302, 1)	297.61530 (302, 1)
351700.0 /	255.81696 (302, 1)	278.78723 (302, 1)	294.89380 (302, 1)	298.64624 (302, 1)	287.40921 (302, 1)
351600.0 /	273.51810 (302, 1)	290.83649 (302, 1)	297.77176 (302, 1)	290.98938 (302, 1)	272.83859 (302, 1)
351500.0 /	285.76813 (302, 1)	295.29068 (302, 1)	292.56854 (302, 1)	277.99655 (302, 1)	263.73438 (357, 1)
351400.0 /	291.46094 (302, 1)	292.13806 (302, 1)	281.36157 (302, 1)	263.44748 (302, 1)	275.31229 (357, 1)
351300.0 /	290.29999 (302, 1)	282.98608 (302, 1)	267.46048 (302, 1)	262.16968 (357, 1)	286.14606 (357, 1)
351200.0 /	283.21817 (302, 1)	270.38297 (302, 1)	253.87979 (302, 1)	272.36386 (357, 1)	293.59116 (357, 1)
351100.0 /	272.17148 (302, 1)	257.03763 (302, 1)	259.38831 (357, 1)	281.04190 (357, 1)	296.06290 (357, 1)
351000.0 /	259.51688 (302, 1)	247.62732 (357, 1)	268.16925 (357, 1)	286.27521 (357, 1)	293.11603 (357, 1)
350900.0 /	247.32791 (302, 1)	255.75522 (357, 1)	274.95538 (357, 1)	287.01447 (357, 1)	285.29456 (357, 1)
350800.0 /	244.24632 (357, 1)	263.10583 (357, 1)	278.37610 (357, 1)	283.13431 (357, 1)	273.73117 (357, 1)
350700.0 /	251.43652 (357, 1)	268.23303 (357, 1)	277.80200 (357, 1)	275.20847 (357, 1)	259.77490 (357, 1)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE RECEPTOR GRID *

* MAXIMUM VALUE EQUALS 331.04660 AND OCCURRED AT (436700.0, 352100.0) *

Y-AXIS (METERS) /	X-AXIS (METERS) 436200.0	436300.0	436400.0	436500.0	436600.0
352700.0 /	172.12891 (302, 1)	191.57758 (356, 1)	214.80194 (356, 1)	231.00896 (356, 1)	240.80144 (356, 1)
352600.0 /	196.35010 (356, 1)	218.38754 (356, 1)	234.25883 (356, 1)	244.59850 (356, 1)	261.96738 (302, 1)
352500.0 /	220.41833 (356, 1)	235.71182 (356, 1)	246.38837 (302, 1)	268.98730 (302, 1)	277.72626 (356, 1)
352400.0 /	235.78659 (356, 1)	247.81458 (302, 1)	272.91171 (302, 1)	282.22693 (302, 1)	278.47366 (356, 1)
352300.0 /	247.69414 (302, 1)	274.34296 (302, 1)	288.42902 (302, 1)	286.29065 (356, 1)	273.48529 (357, 1)
352200.0 /	273.83044 (302, 1)	291.43835 (302, 1)	289.69092 (302, 1)	275.90149 (356, 1)	296.00656 (357, 1)
352100.0 /	291.91180 (302, 1)	295.78909 (302, 1)	284.48810 (356, 1)	283.26178 (357, 1)	317.05835 (357, 1)
352000.0 /	298.80496 (302, 1)	288.46848 (356, 1)	271.97937 (357, 1)	303.20560 (357, 1)	329.10919 (357, 1)
351900.0 /	294.25598 (302, 1)	276.90332 (356, 1)	288.73694 (357, 1)	319.24158 (357, 1)	328.79962 (357, 1)
351800.0 /	281.90509 (356, 1)	275.41986 (357, 1)	305.42236 (357, 1)	326.32556 (357, 1)	317.35089 (357, 1)
351700.0 /	266.95972 (356, 1)	290.56464 (357, 1)	316.99274 (357, 1)	322.96124 (357, 1)	298.50076 (357, 1)
351600.0 /	276.40247 (357, 1)	303.90408 (357, 1)	320.30627 (357, 1)	310.70807 (357, 1)	276.41733 (357, 1)
351500.0 /	289.48102 (357, 1)	311.75867 (357, 1)	314.92825 (357, 1)	292.64243 (357, 1)	254.47665 (357, 1)
351400.0 /	299.72723 (357, 1)	312.29443 (357, 1)	302.44147 (357, 1)	272.01678 (357, 1)	234.83191 (357, 1)
351300.0 /	304.60913 (357, 1)	305.64746 (357, 1)	285.35144 (357, 1)	251.48997 (357, 1)	218.46025 (357, 1)
351200.0 /	303.03976 (357, 1)	293.24954 (357, 1)	266.21475 (357, 1)	232.83952 (357, 1)	205.43576 (357, 1)
351100.0 /	295.54694 (357, 1)	277.10724 (357, 1)	247.06668 (357, 1)	216.94794 (357, 1)	195.27112 (357, 1)
351000.0 /	283.46420 (357, 1)	259.35153 (357, 1)	229.46213 (357, 1)	204.00049 (357, 1)	187.17407 (357, 1)
350900.0 /	268.44550 (357, 1)	241.66400 (357, 1)	214.23766 (357, 1)	193.77310 (357, 1)	180.47038 (357, 1)
350800.0 /	252.10612 (357, 1)	225.25174 (357, 1)	201.65268 (357, 1)	185.70956 (357, 1)	174.55418 (357, 1)
350700.0 /	235.80302 (357, 1)	210.83673 (357, 1)	191.56146 (357, 1)	179.18088 (357, 1)	169.00543 (357, 1)

HIGH
24-HR
SGROUP# 1

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE RECEPTOR GRID *

* MAXIMUM VALUE EQUALS 331.04660 AND OCCURRED AT (436700.0, 352100.0) *

Y-AXIS (METERS) /	X-AXIS (METERS) 436700.0	436800.0	436900.0	437000.0	437100.0
352700.0 /	255.71121 (356, 1)	256.34564 (356, 1)	265.57858 (357, 1)	293.10657 (357, 1)	260.25427 (357, 1)
352600.0 /	270.35638 (356, 1)	262.28201 (357, 1)	297.77576 (357, 1)	297.91559 (357, 1)	240.16283 (357, 1)
352500.0 /	264.35110 (356, 1)	291.93182 (357, 1)	316.10052 (357, 1)	283.34348 (357, 1)	220.15845 (357, 1)
352400.0 /	282.61066 (357, 1)	317.36685 (357, 1)	314.05212 (357, 1)	260.10791 (357, 1)	204.58984 (357, 1)
352300.0 /	308.61804 (357, 1)	327.70630 (357, 1)	296.44827 (357, 1)	237.11411 (357, 1)	193.22440 (357, 1)
352200.0 /	326.90131 (357, 1)	320.91077 (357, 1)	272.04492 (357, 1)	218.49878 (357, 1)	184.26859 (357, 1)
352100.0 /	331.04660 (357, 1)	301.93060 (357, 1)	247.92172 (357, 1)	204.65219 (357, 1)	176.19690 (357, 1)
352000.0 /	321.27893 (357, 1)	277.66171 (357, 1)	227.72720 (357, 1)	194.20288 (357, 1)	168.28494 (357, 1)
351900.0 /	302.02545 (357, 1)	253.63614 (357, 1)	212.21497 (357, 1)	185.50995 (357, 1)	160.43170 (357, 1)
351800.0 /	278.65082 (357, 1)	232.96439 (357, 1)	200.52861 (357, 1)	177.50439 (357, 1)	152.90730 (357, 1)
351700.0 /	255.46976 (357, 1)	216.60040 (357, 1)	191.29393 (357, 1)	169.69070 (357, 1)	146.02066 (357, 1)
351600.0 /	235.08206 (357, 1)	204.10449 (357, 1)	183.31169 (357, 1)	162.01376 (357, 1)	140.00008 (357, 1)
351500.0 /	218.49321 (357, 1)	194.41869 (357, 1)	175.82217 (357, 1)	154.64081 (357, 1)	134.96013 (357, 1)
351400.0 /	205.57227 (357, 1)	186.43295 (357, 1)	168.49551 (357, 1)	147.79465 (357, 1)	130.91144 (357, 1)
351300.0 /	195.57126 (357, 1)	179.29092 (357, 1)	161.30197 (357, 1)	141.66013 (357, 1)	127.78921 (357, 1)
351200.0 /	187.55719 (357, 1)	172.47922 (357, 1)	154.36737 (357, 1)	136.34851 (357, 1)	125.48314 (357, 1)
351100.0 /	180.69638 (357, 1)	165.78586 (357, 1)	147.86256 (357, 1)	131.89618 (357, 1)	123.86195 (357, 1)
351000.0 /	174.35466 (357, 1)	159.19022 (357, 1)	141.93793 (357, 1)	128.27908 (357, 1)	122.79128 (357, 1)
350900.0 /	168.20947 (357, 1)	152.77722 (357, 1)	136.65532 (357, 1)	125.40446 (357, 1)	122.12164 (357, 1)
350800.0 /	162.15726 (357, 1)	146.72784 (357, 1)	132.10800 (357, 1)	123.19957 (357, 1)	121.74014 (357, 1)
350700.0 /	156.20558 (357, 1)	141.16248 (357, 1)	128.29498 (357, 1)	121.57744 (357, 1)	121.57851 (357, 1)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE RECEPTOR GRID *

* MAXIMUM VALUE EQUALS 331.04660 AND OCCURRED AT (436700.0, 352100.0) *

Y-AXIS (METERS)	437200.0
352700.0	196.74554 (357, 1)
352600.0	185.72491 (357, 1)
352500.0	177.46097 (357, 1)
352400.0	170.12601 (357, 1)
352300.0	162.77202 (357, 1)
352200.0	155.35628 (357, 1)
352100.0	148.26128 (357, 1)
352000.0	141.90631 (357, 1)
351900.0	136.56546 (357, 1)
351800.0	132.34282 (357, 1)
351700.0	129.20213 (357, 1)
351600.0	127.01522 (357, 1)
351500.0	125.61194 (357, 1)
351400.0	124.81313 (357, 1)
351300.0	124.45083 (357, 1)
351200.0	124.37939 (357, 1)
351100.0	124.47951 (357, 1)
351000.0	124.65831 (357, 1)
350900.0	124.82699 (357, 1)
350800.0	124.92245 (357, 1)
350700.0	124.95572 (357, 1)

X-AXIS (METERS)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* SECOND HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE RECEPTOR GRID *

* MAXIMUM VALUE EQUALS 289.04456 AND OCCURRED AT (436400.0, 352200.0) *

Y-AXIS (METERS) /	X-AXIS (METERS) 435200.0	435300.0	435400.0	435500.0	435600.0
352700.0 /	131.40512 (356, 1)	134.12534 (356, 1)	136.12143 (356, 1)	137.45479 (356, 1)	138.38834 (356, 1)
352600.0 /	132.38419 (356, 1)	134.72701 (356, 1)	136.59357 (356, 1)	138.27449 (356, 1)	140.24463 (356, 1)
352500.0 /	133.46794 (356, 1)	135.91000 (356, 1)	138.36098 (356, 1)	141.23755 (356, 1)	144.97638 (356, 1)
352400.0 /	135.40326 (356, 1)	138.60002 (356, 1)	142.28688 (356, 1)	146.76964 (356, 1)	152.32985 (356, 1)
352300.0 /	138.92667 (356, 1)	143.29602 (356, 1)	148.35040 (356, 1)	154.31815 (356, 1)	161.73273 (356, 1)
352200.0 /	144.18613 (356, 1)	149.65717 (356, 1)	155.89771 (356, 1)	163.47736 (356, 1)	167.62378 (302, 1)
352100.0 /	150.64426 (356, 1)	157.07246 (356, 1)	164.73718 (356, 1)	165.69266 (302, 1)	166.00668 (302, 1)
352000.0 /	157.82542 (356, 1)	165.54172 (356, 1)	163.87326 (302, 1)	164.97440 (302, 1)	173.20532 (302, 1)
351900.0 /	164.60385 (302, 1)	162.14130 (302, 1)	163.96051 (302, 1)	172.46928 (302, 1)	188.64136 (302, 1)
351800.0 /	160.51651 (302, 1)	162.92081 (302, 1)	171.58885 (302, 1)	187.27147 (302, 1)	208.97159 (302, 1)
351700.0 /	161.90617 (302, 1)	170.60759 (302, 1)	185.68442 (302, 1)	206.31723 (302, 1)	226.02011 (356, 1)
351600.0 /	169.57379 (302, 1)	184.02716 (302, 1)	203.55121 (302, 1)	222.13150 (356, 1)	230.07414 (356, 1)
351500.0 /	182.32602 (302, 1)	200.78024 (302, 1)	218.27539 (356, 1)	225.56670 (356, 1)	236.66081 (356, 1)
351400.0 /	198.03125 (302, 1)	214.47466 (356, 1)	221.18871 (356, 1)	231.19724 (356, 1)	245.89810 (356, 1)
351300.0 /	210.74449 (356, 1)	216.94675 (356, 1)	225.99063 (356, 1)	239.43028 (356, 1)	255.63501 (356, 1)
351200.0 /	212.84320 (356, 1)	221.03384 (356, 1)	233.27994 (356, 1)	248.67383 (356, 1)	262.96265 (356, 1)
351100.0 /	216.31534 (356, 1)	227.45378 (356, 1)	241.91772 (356, 1)	256.43164 (356, 1)	265.76453 (356, 1)
351000.0 /	221.94597 (356, 1)	235.42949 (356, 1)	249.80542 (356, 1)	260.60281 (356, 1)	263.45642 (356, 1)
350900.0 /	229.24225 (356, 1)	243.22739 (356, 1)	254.94943 (356, 1)	260.26013 (356, 1)	256.82544 (356, 1)
350800.0 /	236.79544 (356, 1)	249.01477 (356, 1)	256.21515 (356, 1)	255.71115 (356, 1)	247.37564 (356, 1)
350700.0 /	242.96039 (356, 1)	251.55444 (356, 1)	253.53105 (356, 1)	248.06743 (356, 1)	236.65042 (356, 1)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* SECOND HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE RECEPTOR GRID *

* MAXIMUM VALUE EQUALS 289.04456 AND OCCURRED AT (436400.0, 352200.0) *

Y-AXIS (METERS) /	X-AXIS (METERS) 435700.0	435800.0	435900.0	436000.0	436100.0
352700.0 /	139.40959 (356, 1)	141.17448 (356, 1)	144.35422 (356, 1)	149.56926 (356, 1)	157.82912 (356, 1)
352600.0 /	143.06761 (356, 1)	147.25951 (356, 1)	153.34750 (356, 1)	162.38411 (356, 1)	171.32555 (302, 1)
352500.0 /	149.95605 (356, 1)	156.66866 (356, 1)	166.21190 (356, 1)	170.32672 (302, 1)	174.34811 (302, 1)
352400.0 /	159.46867 (356, 1)	169.30751 (356, 1)	169.24734 (302, 1)	174.57562 (302, 1)	191.32903 (302, 1)
352300.0 /	169.64040 (302, 1)	168.15018 (302, 1)	174.53445 (302, 1)	191.60741 (302, 1)	217.77916 (302, 1)
352200.0 /	167.06595 (302, 1)	174.26805 (302, 1)	191.38327 (302, 1)	216.92731 (302, 1)	242.84033 (356, 1)
352100.0 /	173.81418 (302, 1)	190.75870 (302, 1)	215.48405 (302, 1)	240.09673 (356, 1)	252.28070 (356, 1)
352000.0 /	189.82054 (302, 1)	213.59982 (302, 1)	236.91753 (356, 1)	248.09930 (356, 1)	265.84454 (356, 1)
351900.0 /	211.39658 (302, 1)	233.44666 (356, 1)	243.69342 (356, 1)	260.04294 (356, 1)	279.30807 (356, 1)
351800.0 /	229.79150 (356, 1)	239.18158 (356, 1)	254.10526 (356, 1)	273.12637 (356, 1)	286.29306 (356, 1)
351700.0 /	234.64549 (356, 1)	248.19232 (356, 1)	266.44476 (356, 1)	281.88428 (356, 1)	283.58942 (356, 1)
351600.0 /	242.38042 (356, 1)	259.58636 (356, 1)	276.19855 (356, 1)	282.59473 (356, 1)	272.45993 (356, 1)
351500.0 /	252.65562 (356, 1)	269.69177 (356, 1)	279.55396 (356, 1)	275.16095 (356, 1)	258.15848 (302, 1)
351400.0 /	262.69586 (356, 1)	274.86017 (356, 1)	275.35080 (356, 1)	262.15088 (356, 1)	246.12981 (302, 1)
351300.0 /	269.19678 (356, 1)	273.49127 (356, 1)	265.17511 (356, 1)	250.21196 (302, 1)	237.49960 (302, 1)
351200.0 /	270.16898 (356, 1)	266.21008 (356, 1)	251.72720 (356, 1)	239.96762 (302, 1)	231.58493 (302, 1)
351100.0 /	265.53717 (356, 1)	255.02026 (356, 1)	242.51984 (302, 1)	232.75182 (302, 1)	227.21796 (302, 1)
351000.0 /	256.66254 (356, 1)	245.02959 (302, 1)	234.01068 (302, 1)	227.70621 (302, 1)	223.18170 (302, 1)
350900.0 /	245.43457 (356, 1)	235.42809 (302, 1)	227.98981 (302, 1)	223.70819 (302, 1)	218.66771 (302, 1)
350800.0 /	236.94656 (302, 1)	228.34209 (302, 1)	223.58672 (302, 1)	219.80846 (302, 1)	213.31071 (302, 1)
350700.0 /	228.87254 (302, 1)	223.23596 (302, 1)	219.86374 (302, 1)	215.41272 (302, 1)	207.06090 (302, 1)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* SECOND HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE RECEPTOR GRID *

* MAXIMUM VALUE EQUALS 289.04456 AND OCCURRED AT (436400.0, 352200.0) *

Y-AXIS (METERS) /	X-AXIS (METERS) 436700.0	436800.0	436900.0	437000.0	437100.0
352700.0 /	251.26927 (302, 1)	239.13562 (357, 1)	216.02856 (356, 1)	182.78935 (302, 1)	163.55821 (302, 1)
352600.0 /	257.75320 (302, 1)	243.28589 (356, 1)	199.56732 (302, 1)	180.95824 (302, 1)	158.24083 (302, 1)
352500.0 /	258.93219 (357, 1)	219.17668 (356, 1)	196.67422 (302, 1)	176.63022 (302, 1)	151.97104 (302, 1)
352400.0 /	242.81989 (356, 1)	210.87363 (302, 1)	193.69144 (302, 1)	169.71526 (302, 1)	146.21632 (302, 1)
352300.0 /	224.56932 (302, 1)	207.64801 (302, 1)	188.12041 (302, 1)	161.68562 (302, 1)	141.68408 (302, 1)
352200.0 /	219.12390 (302, 1)	203.67700 (302, 1)	180.11530 (302, 1)	153.95500 (302, 1)	138.39246 (302, 1)
352100.0 /	215.51563 (302, 1)	197.26749 (302, 1)	170.92932 (302, 1)	147.36716 (302, 1)	135.95096 (302, 1)
352000.0 /	210.80034 (302, 1)	188.62590 (302, 1)	161.76030 (302, 1)	142.18739 (302, 1)	133.84842 (302, 1)
351900.0 /	203.86560 (302, 1)	178.77910 (302, 1)	153.46857 (302, 1)	138.24686 (302, 1)	131.64989 (302, 1)
351800.0 /	194.98444 (302, 1)	168.75687 (302, 1)	146.51834 (302, 1)	135.17737 (302, 1)	129.08627 (302, 1)
351700.0 /	184.95453 (302, 1)	159.35031 (302, 1)	140.96747 (302, 1)	132.52969 (302, 1)	126.04832 (302, 1)
351600.0 /	174.59581 (302, 1)	151.05818 (302, 1)	136.60042 (302, 1)	129.92760 (302, 1)	122.54834 (302, 1)
351500.0 /	164.58409 (302, 1)	144.08824 (302, 1)	133.06354 (302, 1)	127.12091 (302, 1)	118.67187 (302, 1)
351400.0 /	155.41032 (302, 1)	138.39835 (302, 1)	129.98503 (302, 1)	123.98650 (302, 1)	114.53625 (302, 1)
351300.0 /	147.36371 (302, 1)	133.77380 (302, 1)	127.05294 (302, 1)	120.50155 (302, 1)	110.26238 (302, 1)
351200.0 /	140.53302 (302, 1)	129.91843 (302, 1)	124.04937 (302, 1)	116.70996 (302, 1)	105.95886 (302, 1)
351100.0 /	134.83881 (302, 1)	126.53197 (302, 1)	120.85190 (302, 1)	112.69167 (302, 1)	101.71463 (302, 1)
351000.0 /	130.07031 (302, 1)	123.35083 (302, 1)	117.41692 (302, 1)	108.53951 (302, 1)	97.59776 (302, 1)
350900.0 /	125.99026 (302, 1)	120.17212 (302, 1)	113.72162 (302, 1)	104.32226 (302, 1)	93.64801 (302, 1)
350800.0 /	122.37881 (302, 1)	116.91507 (302, 1)	109.85823 (302, 1)	100.14211 (302, 1)	89.90155 (302, 1)
350700.0 /	119.03000 (302, 1)	113.52767 (302, 1)	105.89272 (302, 1)	96.07271 (302, 1)	86.46465 (356, 1)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* SECOND HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE RECEPTOR GRID *

* MAXIMUM VALUE EQUALS 289.04456 AND OCCURRED AT (436400.0, 352200.0) *

Y-AXIS (METERS)	437200.0
352700.0	143.09602 (302, 1)
352600.0	139.55420 (302, 1)
352500.0	137.02605 (302, 1)
352400.0	135.25446 (302, 1)
352300.0	133.71313 (302, 1)
352200.0	131.92772 (302, 1)
352100.0	129.61954 (302, 1)
352000.0	126.70943 (302, 1)
351900.0	123.25778 (302, 1)
351800.0	119.39635 (302, 1)
351700.0	115.27638 (302, 1)
351600.0	111.03809 (302, 1)
351500.0	106.79678 (302, 1)
351400.0	102.63980 (302, 1)
351300.0	98.62844 (302, 1)
351200.0	94.80288 (302, 1)
351100.0	91.18676 (302, 1)
351000.0	88.51833 (356, 1)
350900.0	86.83888 (356, 1)
350800.0	85.11970 (356, 1)
350700.0	83.37201 (356, 1)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* SECOND HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE RECEPTOR GRID *

* MAXIMUM VALUE EQUALS 289.04456 AND OCCURRED AT (436400.0, 352200.0) *

Y-AXIS (METERS) /	X-AXIS (METERS) 436200.0	436300.0	436400.0	436500.0	436600.0
352700.0 /	171.24693 (356, 1)	172.88058 (302, 1)	186.27263 (302, 1)	211.17416 (302, 1)	237.23216 (302, 1)
352600.0 /	173.80225 (302, 1)	188.78990 (302, 1)	214.80832 (302, 1)	243.00693 (302, 1)	260.45355 (356, 1)
352500.0 /	190.43213 (302, 1)	216.94896 (302, 1)	246.21603 (356, 1)	262.01141 (356, 1)	272.17252 (302, 1)
352400.0 /	217.85791 (302, 1)	246.19275 (356, 1)	261.36053 (356, 1)	280.14194 (356, 1)	266.34711 (302, 1)
352300.0 /	244.95685 (356, 1)	259.21100 (356, 1)	279.12961 (356, 1)	279.98596 (302, 1)	262.03577 (356, 1)
352200.0 /	256.06665 (356, 1)	275.88071 (356, 1)	289.04456 (356, 1)	266.87250 (302, 1)	238.23514 (356, 1)
352100.0 /	271.25507 (356, 1)	288.06433 (356, 1)	279.06375 (302, 1)	255.09256 (356, 1)	229.39456 (302, 1)
352000.0 /	284.51309 (356, 1)	288.16959 (302, 1)	268.05206 (356, 1)	239.27814 (302, 1)	224.51129 (302, 1)
351900.0 /	288.76053 (356, 1)	273.54248 (302, 1)	248.91319 (302, 1)	231.97903 (302, 1)	220.55028 (302, 1)
351800.0 /	281.61938 (302, 1)	258.39758 (356, 1)	238.87268 (302, 1)	227.45667 (302, 1)	215.34843 (302, 1)
351700.0 /	266.09814 (302, 1)	245.59215 (302, 1)	232.73026 (302, 1)	223.23288 (302, 1)	208.19853 (302, 1)
351600.0 /	252.10501 (302, 1)	237.32047 (302, 1)	228.43500 (302, 1)	217.76462 (302, 1)	199.36174 (302, 1)
351500.0 /	241.74199 (302, 1)	232.02928 (302, 1)	224.04578 (302, 1)	210.61090 (302, 1)	189.45543 (302, 1)
351400.0 /	234.89037 (302, 1)	227.88554 (302, 1)	218.47806 (302, 1)	202.00339 (302, 1)	179.11896 (302, 1)
351300.0 /	230.21074 (302, 1)	223.41795 (302, 1)	211.46140 (302, 1)	192.41551 (302, 1)	168.90747 (302, 1)
351200.0 /	226.05370 (302, 1)	217.82486 (302, 1)	203.19322 (302, 1)	182.33946 (302, 1)	159.26677 (302, 1)
351100.0 /	221.44243 (302, 1)	210.90045 (302, 1)	193.94531 (302, 1)	172.19376 (302, 1)	150.51352 (302, 1)
351000.0 /	215.88809 (302, 1)	202.93736 (302, 1)	184.19727 (302, 1)	162.35367 (302, 1)	142.77890 (302, 1)
350900.0 /	209.29901 (302, 1)	194.20976 (302, 1)	174.32083 (302, 1)	153.19049 (302, 1)	136.13866 (302, 1)
350800.0 /	201.80984 (302, 1)	184.99774 (302, 1)	164.62672 (302, 1)	144.90607 (302, 1)	130.50581 (302, 1)
350700.0 /	193.62877 (302, 1)	175.56607 (302, 1)	155.38773 (302, 1)	137.59438 (302, 1)	125.71307 (302, 1)

*** ISC RUN FOR JAX ELEC. AUTH. SHORT STACKS (GLC, OCT 2, 1981) ***

* 50 MAXIMUM 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *

* FROM ALL SOURCES *

RANK	CON.	PER.	DAY	X OR RANGE (METERS)	Y(METERS) OR DIRECTION (DEGREES)	RANK	CON.	PER.	DAY	X OR RANGE (METERS)	Y(METERS) OR DIRECTION (DEGREES)
1	331.04660	1	357	436700.0	352100.0	26	303.90408	1	357	436300.0	351600.0
2	329.10919	1	357	436600.0	352000.0	27	303.20560	1	357	436500.0	352000.0
3	328.79962	1	357	436600.0	351900.0	28	303.03976	1	357	436200.0	351200.0
4	327.70630	1	357	436800.0	352300.0	29	302.44147	1	357	436400.0	351400.0
5	326.90131	1	357	436700.0	352200.0	30	302.02545	1	357	436700.0	351900.0
6	326.32556	1	357	436500.0	351800.0	31	301.93060	1	357	436800.0	352100.0
7	322.96124	1	357	436500.0	351700.0	32	299.72723	1	357	436200.0	351400.0
8	321.27893	1	357	436700.0	352000.0	33	299.31189	1	302	436100.0	351900.0
9	320.91077	1	357	436800.0	352200.0	34	298.80496	1	302	436200.0	352000.0
10	320.30627	1	357	436400.0	351600.0	35	298.64624	1	302	436000.0	351700.0
11	319.24158	1	357	436500.0	351900.0	36	298.50076	1	357	436600.0	351700.0
12	317.36685	1	357	436800.0	352400.0	37	297.91559	1	357	437000.0	352600.0
13	317.35089	1	357	436600.0	351800.0	38	297.85056	1	302	436000.0	351800.0
14	317.05835	1	357	436600.0	352100.0	39	297.77576	1	357	436900.0	352600.0
15	316.99274	1	357	436400.0	351700.0	40	297.77176	1	302	435900.0	351600.0
16	316.10052	1	357	436900.0	352500.0	41	297.61530	1	302	436100.0	351800.0
17	314.92825	1	357	436400.0	351500.0	42	296.44827	1	357	436900.0	352300.0
18	314.05212	1	357	436900.0	352400.0	43	296.06290	1	357	436100.0	351100.0
19	312.29443	1	357	436300.0	351400.0	44	296.00656	1	357	436600.0	352200.0
20	311.75867	1	357	436300.0	351500.0	45	295.78909	1	302	436300.0	352100.0
21	310.70807	1	357	436500.0	351600.0	46	295.54694	1	357	436200.0	351100.0
22	308.61804	1	357	436700.0	352300.0	47	295.29068	1	302	435800.0	351500.0
23	305.64746	1	357	436300.0	351300.0	48	294.89380	1	302	435900.0	351700.0
24	305.42236	1	357	436400.0	351800.0	49	294.25598	1	302	436200.0	351900.0
25	304.60913	1	357	436200.0	351300.0	50	293.59116	1	357	436100.0	351200.0

$

ATTACHMENT II

ATTACHMENT 2

TOTAL SUSPENDED PARTICULATES

The issue evaluated with respect to compliance with the NAAQS for TSP involved the predicted impact of SJRPP in the vicinity of Southside and Kennedy. The question of the impacts in the vicinities of Southside and Kennedy due to lower than originally modelled stack heights at those two sources is only relevant to SJRPP licensing if SJRPP has a significant effect on TSP concentrations in those vicinities.

Downtown Jacksonville is currently designated as nonattainment for TSP. Specifically, that portion of the downtown area bordered on the east and south by the St. Johns River, on the west by Interstate 95 and on the north by the Trout River is the nonattainment area. The Kennedy Plant is contained within this area and the Southside Plant is located just across the St. Johns River to the south of this area. SJRPP is located to the northeast of the nonattainment area and is 9.4 km away from the closest boundary.

The impacts of SJRPP in the vicinity of Southside and Kennedy can be inferred from the modelling of TSP impacts already conducted. The short-term modelling results, which were attached to a letter from D. A. Moehle to K. Williams dated October 21, 1981, indicated a maximum TSP 24-hour average impact on the boundary of the nonattainment area closest to SJRPP of 4.3 ug/m^3 (see attached ISCST printout reproduced from the October 21, 1981 letter). Since both Southside and Kennedy are farther from SJRPP than the boundary of the nonattainment area, it can be concluded that the 24-hour average TSP impact from SJRPP is also below the significance level of 5 ug/m^3 in their vicinities. The long-term modelling results, which were described in the PSD application, indicated a maximum annual TSP impact at the nonattainment area boundary of less than the 1 ug/m^3 significance level (see attached CRSTER printout). Thus, the TSP impact at Southside and Kennedy is also expected to be below the annual significance level.

Since SJRPP impacts on TSP concentrations will not be significant around Southside and Kennedy, the stack height question is not relevant to the SJRPP PSD permit with respect to TSP.

ISCST ANALYSIS
OF MAXIMUM 24-HOUR AVERAGE
TSP IMPACT ON NONATTAINMENT AREA

*** ISC RUN FOR JAX ELEC. AUTH. PARTICULATES (GLC, SEPT 25,1981) ***

CALCULATE (CONCENTRATION=1,DEPOSITION=2)	ISW(1) = 1
RECEPTOR GRID SYSTEM (RECTANGULAR=1 OR 3, POLAR=2 OR 4)	ISW(2) = 1
DISCRETE RECEPTOR SYSTEM (RECTANGULAR=1,POLAR=2)	ISW(3) = 1
TERRAIN ELEVATIONS ARE READ (YES=1,NO=0)	ISW(4) = 0
CALCULATIONS ARE WRITTEN TO TAPE (YES=1,NO=0)	ISW(5) = 0
LIST ALL INPUT DATA (NO=0,YES=1,MET DATA ALSO=2)	ISW(6) = 1
COMPUTE AVERAGE CONCENTRATION (OR TOTAL DEPOSITION) WITH THE FOLLOWING TIME PERIODS:	
HOURLY (YES=1,NO=0)	ISW(7) = 0
2-HOUR (YES=1,NO=0)	ISW(8) = 0
3-HOUR (YES=1,NO=0)	ISW(9) = 0
4-HOUR (YES=1,NO=0)	ISW(10) = 0
6-HOUR (YES=1,NO=0)	ISW(11) = 0
8-HOUR (YES=1,NO=0)	ISW(12) = 0
12-HOUR (YES=1,NO=0)	ISW(13) = 0
24-HOUR (YES=1,NO=0)	ISW(14) = 1
PRINT 'N'-DAY TABLE(S) (YES=1,NO=0)	ISW(15) = 1
PRINT THE FOLLOWING TYPES OF TABLES WHOSE TIME PERIODS ARE SPECIFIED BY ISW(7) THROUGH ISW(14):	
DAILY TABLES (YES=1,NO=0)	ISW(16) = 0
HIGHEST & SECOND HIGHEST TABLES (YES=1,NO=0)	ISW(17) = 1
MAXIMUM 50 TABLES (YES=1,NO=0)	ISW(18) = 1
METEOROLOGICAL DATA INPUT METHOD (PRE-PROCESSED=1,CARD=2)	ISW(19) = 1
RURAL-URBAN OPTION (RURAL=0,URBAN MODE 1=1,URBAN MODE 2=2)	ISW(20) = 0
WIND PROFILE EXPONENT VALUES (DEFAULTS=1,USER ENTERS=2,3)	ISW(21) = 1
VERTICAL POT. TEMP. GRADIENT VALUES (DEFAULTS=1,USER ENTERS=2,3)	ISW(22) = 1
SCALE EMISSION RATES FOR ALL SOURCES (NO=0,YES>0)	ISW(23) = 0
PROGRAM CALCULATES FINAL PLUME RISE ONLY (YES=1,NO=2)	ISW(24) = 1
PROGRAM ADJUSTS ALL STACK HEIGHTS FOR DOWNWASH (YES=2,NO=1)	ISW(25) = 1
NUMBER OF INPUT SOURCES	NSOURC = 14
NUMBER OF SOURCE GROUPS (=0,ALL SOURCES)	NGROUP = 0
TIME PERIOD INTERVAL TO BE PRINTED (=0,ALL INTERVALS)	IPERD = 0
NUMBER OF X (RANGE) GRID VALUES	NXPNTS = 0
NUMBER OF Y (THETA) GRID VALUES	NYPNTS = 0
NUMBER OF DISCRETE RECEPTORS	NXWYPT = 22
SOURCE EMISSION RATE UNITS CONVERSION FACTOR	TK =.10000E+07
ENTRAINMENT COEFFICIENT FOR UNSTABLE ATMOSPHERE	BETA1 =0.600
ENTRAINMENT COEFFICIENT FOR STABLE ATMOSPHERE	BETA2 =0.600
HEIGHT ABOVE GROUND AT WHICH WIND SPEED WAS MEASURED	ZR = 10.00 METERS
LOGICAL UNIT NUMBER OF METEOROLOGICAL DATA	IMET = 9
DECAY COEFFICIENT FOR PHYSICAL OR CHEMICAL DEPLETION	DECAY =0.
SURFACE STATION NO.	ISS = 13889
YEAR OF SURFACE DATA	ISY = 73
UPPER AIR STATION NO.	IUS = 13861
YEAR OF UPPER AIR DATA	IUY = 73
ALLOCATED DATA STORAGE	LIMIT = 43500 WORDS
REQUIRED DATA STORAGE FOR THIS PROBLEM RUN	MIMIT = 3431 WORDS

PSD TSP

18 wc days

non att → 43

14|10

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*** ISC RUN FOR JAX ELEC. AUTH. PARTICULATES (GLC, SEPT 25,1981) ***
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*** METEOROLOGICAL DAYS TO BE PROCESSED ***
(IF=1)

1 1 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0   1 0 1 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0   0 0 0 0 1 0 0 0 0 1   0 0 0 0 0 0 0 0 0 0   0 0 1 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0   1 0 0 0 0 0 0 0 0 1   0 0 0 0 0 0 0 0 0 0   0 0 0 1 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 1 0 0 0 0   0 0 0 1 0 0 0 0 0 0   0 0 0 0 0 1 0 0 1 0   0 0 0 0 0 1 0 0 0 0
0 0 0 0 0 0 0 0 1 0   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 1 0 0 0   0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 0 1 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0   0 0 0 0 0 0
```

```
*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54,   3.09,   5.14,   8.23,  10.80,
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*** WIND PROFILE EXPONENTS ***
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STABILITY	WIND SPEED CATEGORY					
CATEGORY	1	2	3	4	5	6
A	.10000E+00	.10000E+00	.10000E+00	.10000E+00	.10000E+00	.10000E+00
B	.15000E+00	.15000E+00	.15000E+00	.15000E+00	.15000E+00	.15000E+00
C	.20000E+00	.20000E+00	.20000E+00	.20000E+00	.20000E+00	.20000E+00
D	.25000E+00	.25000E+00	.25000E+00	.25000E+00	.25000E+00	.25000E+00
E	.30000E+00	.30000E+00	.30000E+00	.30000E+00	.30000E+00	.30000E+00
F	.30000E+00	.30000E+00	.30000E+00	.30000E+00	.30000E+00	.30000E+00

```
*** VERTICAL POTENTIAL TEMPERATURE GRADIENTS ***
(DEGREES KELVIN PER METER)
```

STABILITY	WIND SPEED CATEGORY					
CATEGORY	1	2	3	4	5	6
A	.0	.0	.0	.0	.0	.0
B	.0	.0	.0	.0	.0	.0
C	.0	.0	.0	.0	.0	.0
D	.0	.0	.0	.0	.0	.0
E	.20000E-01	.20000E-01	.20000E-01	.20000E-01	.20000E-01	.20000E-01
F	.35000E-01	.35000E-01	.35000E-01	.35000E-01	.35000E-01	.35000E-01

*** X,Y COORDINATES OF DISCRETE RECEPTORS ***
(METERS)

(	47200.0,	68400.0),	(	48000.0,	68300.0),	(	48500.0,	67800.0),	(	49000.0,	67100.0),	(	49200.0,	66400.0),
(	49000.0,	65600.0),	(	48600.0,	65000.0),	(	48000.0,	64600.0),	(	47300.0,	64300.0),	(	46500.0,	64500.0),
(	45600.0,	64800.0),	(	46300.0,	65900.0),	(	46100.0,	66400.0),	(	46300.0,	66700.0),	(	46400.0,	67100.0),
(	46800.0,	67300.0),	(	51000.0,	61000.0),	(	37900.0,	62300.0),	(	39000.0,	61600.0),	(	39500.0,	59300.0),
(	40600.0,	58500.0),	(	39800.0,	55000.0),	(								

*** SOURCE DATA ***

SOURCE NUMBER	TYPE	WAKE	NUMBER PART. CATS.	EMISSION RATE TYPE=0,1 (GRAMS/SEC) TYPE=2 (GRAMS/SEC) *PER METER**2	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	HEIGHT (METERS)	TEMP. TYPE=0 (DEG.K); VERT.DIM TYPE=1 (METERS)	EXIT VEL. TYPE=0 (M/SEC); HORZ.DIM TYPE=1,2 (METERS)	DIAMETER TYPE=0 (METERS)	BLDG. HEIGHT TYPE=0 (METERS)	BLDG. LENGTH TYPE=0 (METERS)	BLDG. WIDTH TYPE=0 (METERS)
1	0	0	0	.46400E+02	47140.0	66270.0	0.0	104.20	327.60	18.29	10.13	0.00	0.00	0.00
2	0	0	8	.21000E+00	47140.0	66270.0	0.0	10.00	325.00	0.00	0.00	0.00	0.00	0.00
3	0	0	8	.40000E-02	47380.0	65930.0	0.0	10.00	325.00	0.00	0.00	0.00	0.00	0.00
4	0	0	8	.48000E+00	47140.0	65870.0	0.0	10.00	325.00	0.00	0.00	0.00	0.00	0.00
5	0	0	8	.40000E-02	47630.0	65970.0	0.0	10.00	325.00	0.00	0.00	0.00	0.00	0.00
6	0	0	8	.63000E+00	47630.0	65900.0	0.0	10.00	325.00	0.00	0.00	0.00	0.00	0.00
7	0	0	8	.10700E+01	49100.0	61900.0	0.0	10.00	325.00	0.00	0.00	0.00	0.00	0.00
8	2	0	8	.17000E-05	49400.0	62300.0	0.0	0.00	0.00	348.00	0.00	0.00	0.00	0.00
9	0	0	8	.63300E+01	46900.0	67140.0	0.0	130.00	310.00	1.00	66.00	0.00	0.00	0.00
10	0	0	8	.63300E+01	47140.0	67130.0	0.0	130.00	310.00	1.00	66.00	0.00	0.00	0.00
11	2	0	8	.10000E-06	47080.0	65370.0	0.0	0.00	0.00	246.00	0.00	0.00	0.00	0.00
12	2	0	8	.10000E-06	47350.0	65390.0	0.0	0.00	0.00	246.00	0.00	0.00	0.00	0.00
13	2	0	8	.15000E-05	47230.0	65400.0	0.0	0.00	0.00	179.00	0.00	0.00	0.00	0.00
14	2	0	8	.17000E-05	48000.0	67000.0	0.0	10.00	0.00	200.00	0.00	0.00	0.00	0.00

*** ISC RUN FOR JAX ELEC. AUTH. PARTICULATES (GLC, SEPT 25,1981) ***

*** SOURCE PARTICULATE DATA ***

*** SOURCE NUMBER = 2 ***

MASS FRACTION =
0.00330,0.01040,0.02480,0.06590,0.12340,0.17850,0.21240,0.38130,

SETTLING VELOCITY(METERS/SEC) =
0.0006, 0.0011, 0.0023, 0.0045, 0.0091, 0.0181, 0.0362, 0.0724,

SURFACE REFLECTION COEFFICIENT =
0.98000,0.96000,0.92000,0.85000,0.79000,0.72000,0.65000,0.55000,

*** SOURCE NUMBER = 3 ***

MASS FRACTION =
0.00330,0.01040,0.02480,0.06590,0.12340,0.17850,0.21240,0.38130,

SETTLING VELOCITY(METERS/SEC) =
0.0006, 0.0011, 0.0023, 0.0045, 0.0091, 0.0181, 0.0362, 0.0724,

SURFACE REFLECTION COEFFICIENT =
0.98000,0.96000,0.92000,0.85000,0.79000,0.72000,0.65000,0.55000,

*** SOURCE NUMBER = 4 ***

MASS FRACTION =
0.00330,0.01040,0.02480,0.06590,0.12340,0.17850,0.21240,0.38130,

SETTLING VELOCITY(METERS/SEC) =
0.0006, 0.0011, 0.0023, 0.0045, 0.0091, 0.0181, 0.0362, 0.0724,

SURFACE REFLECTION COEFFICIENT =
0.98000,0.96000,0.92000,0.85000,0.79000,0.72000,0.65000,0.55000,

*** ISC RUN FOR JAX ELEC. AUTH. PARTICULATES (CLC, SEPT 25,1981) ***

*** SOURCE PARTICULATE DATA ***

*** SOURCE NUMBER = 5 ***

MASS FRACTION =
0.00330,0.01040,0.02480,0.06590,0.12340,0.17850,0.21240,0.38130,

SETTLING VELOCITY(METERS/SEC) =
0.0006, 0.0011, 0.0023, 0.0045, 0.0091, 0.0181, 0.0362, 0.0724,

SURFACE REFLECTION COEFFICIENT =
0.98000,0.96000,0.92000,0.85000,0.79000,0.72000,0.65000,0.55000,

*** SOURCE NUMBER = 6 ***

MASS FRACTION =
0.00330,0.01040,0.02480,0.06590,0.12340,0.17850,0.21240,0.38130,

SETTLING VELOCITY(METERS/SEC) =
0.0006, 0.0011, 0.0023, 0.0045, 0.0091, 0.0181, 0.0362, 0.0724,

SURFACE REFLECTION COEFFICIENT =
0.98000,0.96000,0.92000,0.85000,0.79000,0.72000,0.65000,0.55000,

*** SOURCE NUMBER = 7 ***

MASS FRACTION =
0.00330,0.01040,0.02480,0.06590,0.12340,0.17850,0.21240,0.38130,

SETTLING VELOCITY(METERS/SEC) =
0.0006, 0.0011, 0.0023, 0.0045, 0.0091, 0.0181, 0.0362, 0.0724,

SURFACE REFLECTION COEFFICIENT =
0.98000,0.96000,0.92000,0.85000,0.79000,0.72000,0.65000,0.55000,

*** ISC RUN FOR JAX FLEC. AUTH. PARTICULATES (GLC, SEPT 25,1981) ***

*** SOURCE PARTICULATE DATA ***

*** SOURCE NUMBER = 8 ***

MASS FRACTION =
0.00330,0.01040,0.02480,0.06590,0.12340,0.17850,0.21240,0.38130,

SETTLING VELOCITY(METERS/SEC) =
0.0006, 0.0011, 0.0023, 0.0045, 0.0091, 0.0181, 0.0362, 0.0724,

SURFACE REFLECTION COEFFICIENT =
0.98000,0.96000,0.92000,0.85000,0.79000,0.72000,0.65000,0.55000,

*** SOURCE NUMBER = 9 ***

MASS FRACTION =
0.00330,0.01040,0.02480,0.06590,0.12340,0.17850,0.21240,0.38130,

SETTLING VELOCITY(METERS/SEC) =
0.0006, 0.0011, 0.0023, 0.0045, 0.0091, 0.0181, 0.0362, 0.0724,

SURFACE REFLECTION COEFFICIENT =
0.98000,0.96000,0.92000,0.85000,0.79000,0.72000,0.65000,0.55000,

*** SOURCE NUMBER = 10 ***

MASS FRACTION =
0.00330,0.01040,0.02480,0.06590,0.12340,0.17850,0.21240,0.38130,

SETTLING VELOCITY(METERS/SEC) =
0.0006, 0.0011, 0.0023, 0.0045, 0.0091, 0.0181, 0.0362, 0.0724,

SURFACE REFLECTION COEFFICIENT =
0.98000,0.96000,0.92000,0.85000,0.79000,0.72000,0.65000,0.55000,

*** ISC RUN FOR JAX ELEC. AUTH. PARTICULATES (GLC, SEPT 25,1981) ***

*** SOURCE PARTICULATE DATA ***

*** SOURCE NUMBER = 11 ***

MASS FRACTION =
0.00330,0.01040,0.02480,0.06590,0.12340,0.17850,0.21240,0.38130,

SETTLING VELOCITY(METERS/SEC) =
0.0006, 0.0011, 0.0023, 0.0045, 0.0091, 0.0181, 0.0362, 0.0724,

SURFACE REFLECTION COEFFICIENT =
0.98000,0.96000,0.92000,0.85000,0.79000,0.72000,0.65000,0.55000,

*** SOURCE NUMBER = 12 ***

MASS FRACTION =
0.00330,0.01040,0.02480,0.06590,0.12340,0.17850,0.21240,0.38130,

SETTLING VELOCITY(METERS/SEC) =
0.0006, 0.0011, 0.0023, 0.0045, 0.0091, 0.0181, 0.0362, 0.0724,

SURFACE REFLECTION COEFFICIENT =
0.98000,0.96000,0.92000,0.85000,0.79000,0.72000,0.65000,0.55000,

*** SOURCE NUMBER = 13 ***

MASS FRACTION =
0.00330,0.01040,0.02480,0.06590,0.12340,0.17850,0.21240,0.38130,

SETTLING VELOCITY(METERS/SEC) =
0.0006, 0.0011, 0.0023, 0.0045, 0.0091, 0.0181, 0.0362, 0.0724,

SURFACE REFLECTION COEFFICIENT =
0.98000,0.96000,0.92000,0.85000,0.79000,0.72000,0.65000,0.55000,

*** ISC RUN FOR JAX ELEC. AUTH. PARTICULATES (GLC, SEPT 25,1981) ***

*** SOURCE PARTICULATE DATA ***

*** SOURCE NUMBER = 14 ***

MASS FRACTION =
0.00330,0.01040,0.02480,0.06590,0.12340,0.17850,0.21240,0.38130,

SETTLING VELOCITY(METERS/SEC) =
0.0006, 0.0011, 0.0023, 0.0045, 0.0091, 0.0181, 0.0362, 0.0724,

SURFACE REFLECTION COEFFICIENT =
0.98000,0.96000,0.92000,0.85000,0.79000,0.72000,0.65000,0.55000,

*** ISC RUN FOR JAX ELEC. AUTH. PARTICULATES (GLC. SEPT 25,1981) ***

* 1H-DAY AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *

* FROM ALL SOURCES *
* FOR THE DISCRETE RECEPTOR POINTS *

- X -	- Y -	CON.	- X -	- Y -	CON.	- X -	- Y -	CON.
47200.0	68400.0	0.72262	48000.0	68300.0	0.75808	48500.0	67800.0	0.39901
49000.0	67100.0	0.90147	49200.0	66400.0	0.47970	49000.0	65600.0	0.59714
48600.0	65000.0	0.65926	48000.0	64600.0	0.87226	47300.0	64300.0	0.89888
46500.0	64500.0	1.07234	45600.0	64800.0	1.68711	46300.0	65900.0	2.03987
46100.0	66400.0	2.89385	46300.0	66700.0	2.44220	46400.0	67100.0	0.78968
46800.0	67300.0	0.75551	51000.0	61000.0	0.47116	37900.0	62300.0	0.45811
39000.0	61600.0	0.49725	39500.0	59300.0	0.22694	40600.0	58500.0	0.22293
39800.0	55000.0	0.13952						

*** ISC RUN FOR JAX ELEC. AUTH. PARTICULATES (GLC, SEPT 25,1981) ***

* HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE DISCRETE RECEPTOR POINTS *

- X -	- Y -	CON.	(DAY,PER.)	- X -	- Y -	CON.	(DAY,PER.)
47200.0	68400.0	3.05084	(216, 1)	48000.0	68300.0	4.00553	(115, 1)
48500.0	67800.0	2.78767	(115, 1)	49000.0	67100.0	7.05195	(239, 1)
49200.0	66400.0	3.12213	(133, 1)	47000.0	65600.0	3.64947	(216, 1)
48600.0	65000.0	3.05299	(170, 1)	48000.0	64600.0	4.73998	(287, 1)
47300.0	64300.0	3.43581	(170, 1)	46500.0	64500.0	6.65648	(259, 1)
45600.0	64800.0	6.86832	(120, 1)	46300.0	65900.0	4.84719	(239, 1)
46100.0	66400.0	14.22257	(236, 1)	46300.0	66700.0	13.84013	(236, 1)
46400.0	67100.0	3.12955	(324, 1)	46800.0	67300.0	4.26695	(224, 1)
51000.0	61000.0	2.87974	(170, 1)	37900.0	62300.0	1.97250	(120, 1)
39000.0	61600.0	4.34710	(120, 1)	39500.0	59300.0	1.07832	(246, 1)
40600.0	58500.0	1.26238	(1, 1)	39800.0	55000.0	1.00417	(287, 1)

MAXIMUM NONATTAINMENT AREA IMPACT

*** ISC RUN FOR JAX ELEC. AUTH. PARTICULATES (GLC, SEPT 25,1981) ***

* SECOND HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) *
* FROM ALL SOURCES *
* FOR THE DISCRETE RECEPTOR POINTS *

- X -	- Y -	CON.	(DAY,PER.)	- X -	- Y -	CON.	(DAY,PER.)
47200.0	68400.0	2.70067	(115, 1)	48000.0	68300.0	2.95198	(161, 1)
48500.0	67800.0	1.59980	(161, 1)	49000.0	67100.0	2.29166	(161, 1)
49200.0	66400.0	1.43156	(216, 1)	49000.0	65600.0	1.93643	(115, 1)
48600.0	65000.0	1.48832	(133, 1)	48000.0	64600.0	2.84347	(184, 1)
47300.0	64300.0	2.81172	(1, 1)	46500.0	64500.0	5.83002	(1, 1)
45600.0	64800.0	6.83174	(246, 1)	46300.0	65900.0	4.55330	(246, 1)
46100.0	66400.0	9.52086	(63, 1)	46300.0	66700.0	7.27261	(324, 1)
46400.0	67100.0	2.92305	(224, 1)	46800.0	67300.0	2.63270	(161, 1)
51000.0	61800.0	2.27637	(287, 1)	37900.0	62300.0	1.79747	(239, 1)
39000.0	61600.0	1.41777	(246, 1)	39500.0	59300.0	0.87491	(1, 1)
40600.0	58500.0	0.78503	(287, 1)	39800.0	55000.0	0.48020	(170, 1)

CRSTER ANALYSIS
OF MAXIMUM ANNUAL TSP
IMPACT ON NONATTAINMENT AREA

PLANT NAME: JACKSONVILLE ELECTRIC AU   POLLUTANT: THORITY   EMISSION UNITS: GM/SEC   AIR QUALITY UNITS: GM/M**3
JAX. ELEC. AUTHORITY   SO2
SURFACE DATA FROM JACKSONVILLE
MIXING HEIGHT DATA FROM WAYCROSS GA
GLENN CROW   MARCH 1980

	MET FILE STN NO.	MET FILE YR	REQUESTED STN NO.	REQUESTED YR
SURFACE	13889	73	13889	73
UPPER AIR	13861	73	13861	73

PLANT LOCATION: RURAL
ANEMOMETER HEIGHT IS 7.0 METERS
WIND PROFILE EXPONENTS ARE: 0.100 0.150 0.200 0.250 0.300 0.300,
NO TAPE OUTPUT
MET DATA WILL NOT BE PRINTED

DAY-- 1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 0

* NOTE *

ALL TABLES, INCLUDING SOURCE CONTRIBUTION, THAT CONTAIN "ANNUAL" IN THE HEADING ARE BASED ONLY ON THOSE DAYS
MARKED BY "1" IN THE ABOVE TABLE

Use P...

All days TBP & PSD (Non ATT) (.03 factor) annual

RING DISTANCES(KM)= 2.00 3.00 4.00 5.00 9.40

PLANT ELEVATION (FEET ABOVE SEA LEVEL)-- 0.0

PLANT ELEVATION (METERS ABOVE SEA LEVEL)-- 0.0

RECEPTOR ELEVATIONS (FEET ABOVE SEA LEVEL)

DIRECTION	RING#1	RING#2	RING#3	RING#4	RING#5
15	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0

RECEPTOR ELEVATIONS (METERS ABOVE SEA LEVEL)

RING#1	RING#2	RING#3	RING#4	RING#5
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0

STACK # 1--JEA EASTPORT UNITS 1 AND 2		
SOURCE LOCATION FROM CENTER OF RECEPTOR GRID (DIR,DIST(KM))	0.00	0.00
STACK # 2--COOLING TOWERS		
SOURCE LOCATION FROM CENTER OF RECEPTOR GRID (DIR,DIST(KM))	350.00	0.84
STACK # 3--COAL HANDLING		
SOURCE LOCATION FROM CENTER OF RECEPTOR GRID (DIR,DIST(KM))	150.00	0.12
STACK # 4--SHIP UNLOADING		
SOURCE LOCATION FROM CENTER OF RECEPTOR GRID (DIR,DIST(KM))	154.00	4.92

STACK	MONTH	EMISSION RATE (GMS/SEC)	HEIGHT (METERS)	DIAMETER (METERS)	EXIT VELOCITY (M/SEC)	TEMP (DEG.K)	VOLUMETRIC FLOW (M**3/SEC)
1	ALL	46.4000	194.16	10.13	18.29	327.60	1474.08
2	ALL	12.6600	130.00	66.00	1.00	300.00	3421.19
3	ALL	1.4[illegible]00	20.00	1.00	0.00	300.00	0.00
4	ALL	1.3200	20.00	1.00	0.00	300.00	0.00

PLANT NAME: JACKSONVILLE ELECTRIC AU POLLUTANT: THORITY EMISSION UNITS: GM/SEC AIR QUALITY UNITS: GM/M**3

MAXIMUM MEAN CONC= 3.4499E-06 DIRECTION= 16 DISTANCE= 5.0 KM

ANNUAL MEAN CONCENTRATION AT EACH RECEPTOR

DIR	RANGE 2.0 KM	3.0 KM	4.0 KM	5.0 KM	9.4 KM
15	8.06348E-07	7.93508E-07	1.29475E-06	1.99765E-06	2.82520E-07
16	9.81685E-07	1.06227E-06	1.82127E-06	3.44986E-06	2.79578E-07
17	1.14592E-06	1.06719E-06	8.24039E-07	1.46155E-06	2.56927E-07
20	9.01172E-07	8.08744E-07	4.25114E-07	3.94385E-07	2.18795E-07
21	7.21049E-07	5.73824E-07	2.67818E-07	2.00968E-07	3.02257E-07
22	1.03688E-06	8.12116E-07	4.84560E-07	3.72883E-07	2.47169E-07
23	1.02465E-06	6.83630E-07	3.99290E-07	2.93910E-07	1.79647E-07
24	1.53115E-06	1.09321E-06	7.89594E-07	6.05765E-07	3.05318E-07
25	8.86917E-07	6.49159E-07	5.48026E-07	3.68069E-07	1.89528E-07

~ MAXIMUM ANNUAL AVERAGE NONATTAINMENT AREA IMPACT

ATTACHMENT III

ATTACHMENT 3

OTHER CRITERIA POLLUTANTS

As indicated in the PSD Permit, the criteria pollutants relevant to this analysis other than SO_2 and TSP are NO_2 and CO. Since detailed emission inventory data are not available for these pollutants in the Jacksonville area, it is not possible to explicitly model the effects of lower stack heights at Southside and Kennedy in combination with the impacts of other sources in the same manner as was done for SO_2. However, if the assumption is made that NO_x and CO emissions from major point sources are proportional to SO_2 emissions in the same ratio as for the main units of SJRPP, then estimates can be made of maximum impacts by simply scaling the results of the SO_2 modelling. This same approach was used for NO_2 in the PSD application and for CO in supplemental information regarding the application submitted with a July 8, 1980 letter from D. A. Moehle to K. Williams.

NO_x emissions from the main units of SJRPP are expected to be .6 lb/mm Btu versus SO_2 emissions of .76 lb/mm Btu. CO emissions are expected to be on the order of .05 lb/mm Btu. Thus, SO_2 modelling results must be scaled by a factor of .79 (.6/.76) to yield NO_2 estimates and by a factor of .07 (.05/.76) to yield CO estimates. Monitored background values are added to these estimated impacts to produce totals which can be compared with ambient standards.

The maximum annual average SO_2 impact in the Southside and Kennedy areas was predicted to be 25 ug/m^3 (see Table 3 of Attachment 1). Maximum annual NO_2 impacts are about 20 ug/m^3 using this scaling approach. Including the monitored background concentration of 10 ug/m^3 (see Table 3 of the PSD Permit) produces a total NO_2 concentration of 30 ug/m^3, which is well below the annual NAAQS of 100 ug/m^3.

Based on the highest predicted 3-hour average SO_2 impact in the Southside and Kennedy vicinities of 828 ug/m^3, and the scaling factors above, one can infer a maximum 3-hour average CO impact from major point sources of 58 ug/m^3. By using the averaging time scaling factors in the Workbook for Atmospheric Dispersion Estimates, 1-hour and 8-hour averages are roughly estimated to be 69 ug/m^3 and 48 ug/m^3, respectively. When added to the monitored background values of 5200 ug/m^3 (1-hour) and 4500 ug/m^3 (8-hour), the resulting totals are very small in comparison with the NAAQS of 40,000 ug/m^3 and 10,000 ug/m^3 for the 1-hour and 8-hour averaging times respectively.