Appendix 8.1-6

Air Dispersion Modeling Data

This appendix contains sample input and output data for the air dispersion modeling of the KRCD CPP's criteria pollutant emissions. A complete version of the modeling information is being provided electronically.

The information in this appendix consists of the following:

- **SAMPLE ISCST3 INPUT FILE**
- **BPIP INPUT FILE (including Figure A8.1-6- 1, Buildings Used in Downwash Analysis)**
- **FUMIGATION MODELING SAMPLE OUTPUT**
- **PSD CLASS I AREAS (Figures A8.1-6- 2 through A8.1-6- 13)**
- **SAMPLE CALPUFF INPUT FILE – PARTIAL LISTING**
- **POSTUTIL SAMPLE INPUT FILE – DEPOSITION**
- **CALPOST SAMPLE INPUT FILE - VISIBILITY**
- **Appendix Table 8.1-6-1 CLASS I F(RH) VALUES**
- **Appendix Table 8.1-6-2 MONTHLY MEAN O3 (PPB)**
- **Figure A8.1-6-14 ISCST3 Receptors**
- **Figures A8.1-6- 15 through A8.1-6- 26 Class II Impact Results**
- **GE MODELING OUTPUT SUMMARY**
- **SIEMENS MODELING OUTPUT SUMMARY**
- **CALPUFF MODELING FILE LIST**

SAMPLE ISCST3 INPUT FILE

```
CO STARTING
CO TITLEONE CPP PM10 annual IMPACTS
CO TITLETWO FRESNO 1989, GE CT, AUX BOILER, NG EMERG GEN, FIRE PUMP, COOL TWR
CO MODELOPT CONC   RURAL   DFAULT
CO AVERTIME PERIOD
CO POLLUTID OTHER
CO DCAYCOEF    .000000
CO TERRHGTS ELEV
CO RUNORNOT RUN
** CO ERRORFIL ERRORS.OUT
CO FINISHED

SO STARTING
SO ELEVUNIT METERS
SO EMISUNIT    .100000E+07 (GRAMS/SEC)          (MICROGRAMS/CUBIC-METER)

**  1/09/07

**  CPP NAT GAS COMBUSTION TURBINES SIEMENS

** Source Location Cards:
**          SRCID SRCTYP        XS      YS            ZS

SO LOCATION  CTN   POINT  270047.465 4052837.944  99.7
SO LOCATION  CTS   POINT  270046.514 4052792.219  99.7

** Source Parameter Cards:
** POINT:   SRCID       QS     HS         TS          VS         DS
** VOLUME:  SRCID       QS     HS       SYINIT      SZINIT
** AREA:    SRCID       QS     HS        XINIT

SO SRCPARAM  CTN    1.13     45.72   360.94     20.34        5.49
SO SRCPARAM  CTS    1.13     45.72   360.94     20.34        5.49

SO BUILDHGT CTN        28.96   28.96   28.96   28.96   28.96   28.96
SO BUILDHGT CTN        28.96   28.96   28.96   28.96   28.96   28.96
SO BUILDHGT CTN        28.96   28.96   28.96   28.96   28.96   28.96
SO BUILDHGT CTN        28.96   28.96   28.96   28.96   28.96   28.96
SO BUILDHGT CTN        28.96   28.96   24.38   28.96   28.96   28.96
SO BUILDHGT CTN        28.96   28.96   28.96   28.96   28.96   28.96
SO BUILDWID CTN        52.81   53.72   53.00   50.67   46.80   41.51
SO BUILDWID CTN        34.96   72.21   18.90   72.54   34.96   41.51
SO BUILDWID CTN        46.80   50.67   53.00   53.72   52.81   50.29
SO BUILDWID CTN        52.81   53.72   53.00   50.67   46.80   41.51
SO BUILDWID CTN        34.96   72.21  117.37   72.54   34.96   41.51
SO BUILDWID CTN        46.80   50.67   53.00   53.72   52.81   50.29

SO BUILDHGT CTS        28.96   28.96   28.96   28.96   28.96   28.96
SO BUILDHGT CTS        28.96   28.96   28.96   28.96   28.96   28.96
SO BUILDHGT CTS        28.96   28.96   28.96   28.96   28.96   28.96
SO BUILDHGT CTS        28.96   28.96   28.96   28.96   28.96   28.96
SO BUILDHGT CTS        28.96   28.96   24.38   28.96   28.96   28.96
SO BUILDHGT CTS        28.96   28.96   28.96   28.96   28.96   28.96
SO BUILDWID CTS        52.81   53.72   53.00   50.67   46.80   41.51
SO BUILDWID CTS        34.96   72.21   18.90   72.54   34.96   41.51
SO BUILDWID CTS        46.80   50.67   53.00   53.72   52.81   50.29
SO BUILDWID CTS        52.81   53.72   53.00   50.67   46.80   41.51
```

```
SO BUILDWID CTS        34.96   72.21  117.37   72.54   34.96   41.51
SO BUILDWID CTS        46.80   50.67   53.00   53.72   52.81   50.29



SO LOCATION  AuxBoil   POINT   269999.128 4052777.077   99.7

** Source Parameter Cards:
** POINT:   SRCID       QS     HS         TS          VS         DS
** VOLUME:  SRCID       QS     HS       SYINIT      SZINIT
** AREA:    SRCID       QS     HS        XINIT
** auxboil 100 ft stack

SO SRCPARAM  AuxBoil    0.0203   30.48   435.94      10.31        1.07

SO BUILDHGT AuxBoil   28.96   28.96   28.96   28.96   28.96   28.96
SO BUILDHGT AuxBoil   28.96   28.96    3.66    3.66   18.90   18.90
SO BUILDHGT AuxBoil   18.90   18.90   18.90   18.90   28.96   28.96
SO BUILDHGT AuxBoil   28.96   28.96   28.96   28.96   28.96   28.96
SO BUILDHGT AuxBoil   28.96   28.96    3.66    3.66   18.90   18.90
SO BUILDHGT AuxBoil   18.90   18.90   18.90   18.90   28.96   28.96
SO BUILDWID AuxBoil   52.81   53.72   53.00   50.67   46.80   41.51
SO BUILDWID AuxBoil   34.96   72.21    9.14   10.16   25.27   26.10
SO BUILDWID AuxBoil   26.14   25.39   23.86   21.62   52.81   50.29
SO BUILDWID AuxBoil   52.81   53.72   53.00   50.67   46.80   41.51
SO BUILDWID AuxBoil   34.96   72.21    9.14   10.16   25.27   26.10
SO BUILDWID AuxBoil   26.14   25.39   23.87   21.62   52.81   50.29

**    NAT GAS EMERGENCY GENERATOR

**          SRCID SRCTYP        XS      YS            ZS

SO LOCATION  EGEN   POINT   269900.494 4052809.446  99.7

** Source Parameter Cards:
** POINT:   SRCID       QS     HS         TS          VS         DS
** VOLUME:  SRCID       QS     HS       SYINIT      SZINIT
** AREA:    SRCID       QS     HS        XINIT

SO SRCPARAM  EGEN    0.00023  13.72   803.16     34.05        0.45

SO BUILDHGT EGEN        0.00    0.00    0.00    6.10    6.10    6.10
SO BUILDHGT EGEN        6.10    6.10    6.10    6.10    6.10    6.10
SO BUILDHGT EGEN        6.10    6.10    0.00    0.00    0.00    0.00
SO BUILDHGT EGEN        0.00    0.00    0.00    6.10   18.90   28.96
SO BUILDHGT EGEN       28.96   28.96   28.96   28.96   18.90    6.10
SO BUILDHGT EGEN        6.10    6.10    0.00    0.00    0.00    0.00
SO BUILDWID EGEN        0.00    0.00    0.00   36.17   33.39   29.60
SO BUILDWID EGEN       24.90   19.45   13.41   19.45   24.90   29.60
SO BUILDWID EGEN       33.39   36.17    0.00    0.00    0.00    0.00
SO BUILDWID EGEN        0.00    0.00    0.00   36.17   26.14   41.51
SO BUILDWID EGEN       34.96   72.21   18.90   72.54   25.27   29.60
SO BUILDWID EGEN       33.39   36.17    0.00    0.00    0.00    0.00


**  CPP DIESEL FIRE PUMP

**  11/29/06

** Source Location Cards:
**          SRCID SRCTYP        XS      YS            ZS
```

```
SO LOCATION  DFP   POINT    270105.604 4052789.339   99.7

** Source Parameter Cards:
** POINT:   SRCID       QS     HS         TS          VS         DS
** VOLUME:  SRCID       QS     HS       SYINIT      SZINIT
** AREA:    SRCID       QS     HS        XINIT

SO SRCPARAM  DFP     5.7E-5 13.72   755.38     45.5        0.13

NO ECHO

SO BUILDHGT DFP   24.38   24.38    9.75    9.75   12.19   12.19
SO BUILDHGT DFP   24.38   28.96   24.38   28.96   28.96   28.96
SO BUILDHGT DFP   28.96   28.96   28.96    9.75    9.75   24.38
SO BUILDHGT DFP   24.38   24.38   24.38   24.38   24.38   24.38
SO BUILDHGT DFP   24.38   28.96   24.38   28.96   28.96   28.96
SO BUILDHGT DFP   28.96   28.96   28.96    9.75    9.75   24.38
SO BUILDWID DFP  126.80  135.98   14.57   15.03   17.17   16.65
SO BUILDWID DFP  137.77   72.21  117.37   72.54   34.96   41.51
SO BUILDWID DFP   46.80   50.67   53.00   13.67   12.36  113.77
SO BUILDWID DFP  126.80  135.98  141.03  141.79  141.55  141.82
SO BUILDWID DFP  137.77   72.21  117.37   72.54   34.96   41.51
SO BUILDWID DFP   46.80   80.79   76.69   13.67   12.36  113.77

SO INCLUDED COOLPM10.INP

SO SRCGROUP ALL
SO FINISHED


RE STARTING
RE ELEVUNIT METERS

RE INCLUDED ISC90FNC.REC
RE INCLUDED ISC240MR.REC
RE INCLUDED FNC.DAT
RE INCLUDED FNC30.REC
RE FINISHED

ME STARTING
ME INPUTFIL  c:\projects\KRCD_CPP\isc\FAT89.ASC
ME ANEMHGHT   10.000 METERS
ME SURFDATA  93193  1989            FRESNO
ME UAIRDATA  23230  1989            OAKLAND
ME STARTEND 89 01 01  89 12 31
ME FINISHED

OU STARTING
OU RECTABLE  ALLAVE FIRST SECOND
OU PLOTFILE  PERIOD ALL C:\PROJECTS\KRCD_CPP\GP10AN.DAT
OU FINISHED
```

BPIP INPUT FILE

```
'KRCD CPP - turbines'
'ST'
'METERS' 1.0
'UTMY' 360.
21
'Switchya' 1 0.0
4 6.10
269702.78 4053005.71
269702.78 4053024.00
269724.12 4053024.00
269724.12 4053005.71
'Adm/wrhs'  1     0.0
4 7.32
269737.18 4052944.00
269737.18 4052974.48
269779.24 4052974.11
269779.24 4052943.63
'CT1 Air '1 0.0
4 18.90
269887.94 4053038.45
269887.94 4053059.78
269903.18 4053059.78
269903.18 4053038.45
'CT2 Air ' 1 0.0
4 18.90
269886.98   4052992.72
269886.98   4053014.06
269902.22   4053014.06
269902.22   4052992.72
'CT1' 1 0.0
4 6.10
269915.60 4053037.87
269915.60 4053051.28
269929.39 4053051.28
269929.39 4053037.87
'CT2' 1 0.0
4 6.10
269914.65 4052992.15
269914.65 4053005.56
269928.44 4053005.56
269928.44 4052992.15
'Steam Tu' 1 0.0
4 10.36
269882.69 4053082.78
269882.69 4053093.75
269909.23 4053093.75
269909.23 4053082.78
'NBrine H' 1 0.0
4 10.36
270152.53 4052977.28
270152.53 4052997.09
270172.35 4052997.09
270172.35 4052977.28
'SBrine H' 1 0.0
4 10.36
270152.06 4052954.42
270152.06 4052974.23
270171.87 4052974.23
270171.87 4052954.42
'SteamCon' 1 0.0
4 10.67
```

```
269909.23 4053082.22
269909.23 4053097.46
269919.59 4053097.46
269919.59 4053082.22
'HRSG1' 1 0.0
4 28.96
269929.39 4053037.58
269929.39 4053056.48
269979.68 4053056.48
269979.68 4053037.58
'HRSG2' 1 0.0
4 28.96
269928.44 4052991.86
269928.44 4053010.76
269978.73 4053010.76
269978.73 4052991.86
'Service/' 1 0.0
4 12.19
269997.27 4052979.94
269997.27 4052992.13
270009.46 4052992.13
270009.46  4052979.94
'Aux BlrB' 1 0.0
4 3.66
269914.92 4052975.94
269914.92 4052985.08
269921.62 4052985.08
269921.62 4052975.94
'Demin. W' 1 0.0
4 9.75
270019.05 4052965.02
270019.05 4052975.68
270029.72 4052975.68
270029.72 4052965.02
'Water Tr' 1 0.0
4 6.71
270038.25 4052963.55
270038.25 4052989.46
270068.73 4052989.46
270068.73 4052963.55
'Elec. Eq' 1 0.0
4 6.10
269828.65 4053002.03
269828.65 4053015.44
269864.62 4053015.44
269864.62 4053002.03
'ZLD/Cool' 1 0.0
4 3.66
269996.91 4052996.54
269996.91 4053002.03
270014.58 4053002.03
270014.58 4052996.54
'Cooling ' 1 0.0
4 24.38
270121.58 4052992.59
270024.52 4053093.77
270041.24 4053109.96
270138.29 4053008.77
'ZLD Trea' 1 0.0
4 6.71
270116.26 4052954.40
270116.26 4052977.26
```

```
270141.87 4052977.26
270141.87 4052954.40
'Recycle ' 1 0.0
4 12.19
270025.42 4053037.10
270025.42 4053061.48
270049.80 4053061.48
270049.80 4053037.10
13
'CTN'      0. 45.72  269966.61  4053036.81
'CTS'      0. 45.72  269965.66  4052991.08
'Aux Boil' 0. 30.48  269918.27  4052975.94
'Cool A'   0. 24.38  270039.29  4053095.11
'Cool B'   0. 24.38  270051.32  4053082.57
'Cool C'   0. 24.38  270063.35  4053070.03
'Cool D'   0. 24.38  270075.38  4053057.49
'Cool E'   0. 24.38  270087.41  4053044.94
'Cool F'   0. 24.38  270099.44  4053032.40
'Cool G'   0. 24.38  270111.47  4053019.86
'Cool H'   0. 24.38  270123.50  4053007.32
'E.Diesel' 0. 13.72  269819.63  4053008.31
'Fire Pum' 0. 13.72  270024.75  4052988.20
```

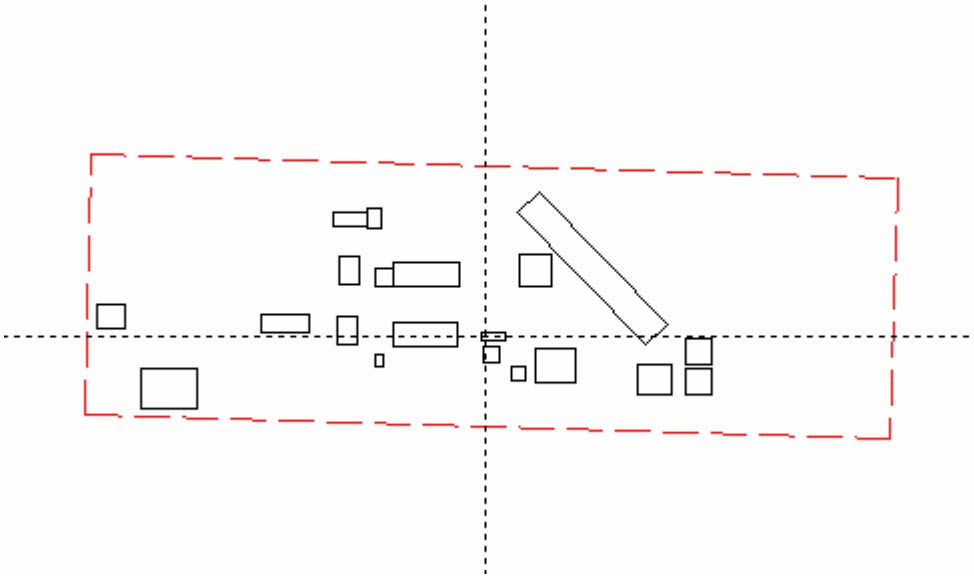

Figure A8.1-6- 2 BUILDINGS USED IN DOWNWASH ANALYSIS

13:23:33

```
 ***  SCREEN3 MODEL RUN  ***
 *** VERSION DATED 96043 ***

FUMIGATION SIEMENS F SCENARIO

SIMPLE TERRAIN INPUTS:
   SOURCE TYPE            =        POINT
   EMISSION RATE (G/S)    =      1.00000
   STACK HEIGHT (M)       =      45.7200
   STK INSIDE DIAM (M)    =       5.4900
   STK EXIT VELOCITY (M/S)=      15.7400
   STK GAS EXIT TEMP (K)  =     358.7200
   AMBIENT AIR TEMP (K)   =     293.0000
   RECEPTOR HEIGHT (M)    =        .0000
   URBAN/RURAL OPTION     =        RURAL
   BUILDING HEIGHT (M)    =        .0000
   MIN HORIZ BLDG DIM (M) =        .0000
   MAX HORIZ BLDG DIM (M) =        .0000

THE REGULATORY (DEFAULT) MIXING HEIGHT OPTION WAS SELECTED.
THE REGULATORY (DEFAULT) ANEMOMETER HEIGHT OF 10.0 METERS WAS ENTERED.


BUOY. FLUX =  213.074 M**4/S**3;  MOM. FLUX = 1524.776 M**4/S**2.

*** FULL METEOROLOGY ***

**********************************
*** SCREEN AUTOMATED DISTANCES ***
**********************************

*** TERRAIN HEIGHT OF    0. M ABOVE STACK BASE USED FOR FOLLOWING DISTANCES
***
```

DIST (M)	CONC (UG/M**3)	STAB	U10M (M/S)	USTK (M/S)	MIX HT (M)	PLUME HT (M)	SIGMA Y (M)	SIGMA Z (M)	DWASH
1.	.0000	1	1.0	1.1	915.1	914.15	8.10	8.09	NO
100.	.2425E-04	5	1.0	1.7	10000.0	194.40	35.09	34.74	NO
200.	.3496E-02	5	1.0	1.7	10000.0	194.40	44.04	42.94	NO
300.	.4074E-02	5	1.0	1.7	10000.0	194.40	45.72	43.36	NO
400.	.4779E-02	5	1.0	1.7	10000.0	194.40	47.84	43.83	NO
500.	.1061	1	3.0	3.3	960.0	335.20	124.24	116.66	NO
600.	.5021	1	3.0	3.3	960.0	335.20	145.07	164.58	NO
700.	.8351	1	3.0	3.3	960.0	335.20	165.41	222.87	NO
800.	.9117	1	3.0	3.3	960.0	335.20	185.33	291.66	NO
900.	1.125	1	1.5	1.7	625.7	624.67	243.81	393.87	NO
1000.	1.288	1	1.5	1.7	625.7	624.67	265.22	482.45	NO
1100.	1.321	1	1.5	1.7	625.7	624.67	280.87	579.41	NO
1200.	1.286	1	1.5	1.7	625.7	624.67	295.66	687.77	NO
1300.	1.230	1	1.5	1.7	625.7	624.67	310.64	807.95	NO
1400.	1.173	1	1.5	1.7	625.7	624.67	325.75	939.81	NO
1500.	1.121	1	1.5	1.7	625.7	624.67	340.96	1083.30	NO
1600.	1.073	1	1.5	1.7	625.7	624.67	356.25	1238.40	NO
1700.	1.028	1	1.5	1.7	625.7	624.67	371.59	1405.11	NO
1800.	.9876	1	1.5	1.7	625.7	624.67	386.96	1583.45	NO
1900.	.9498	1	1.5	1.7	625.7	624.67	402.36	1773.45	NO
2000.	.9148	1	1.5	1.7	625.7	624.67	417.76	1975.15	NO
2100.	.8823	1	1.5	1.7	625.7	624.67	433.16	2188.60	NO

```
  2200.   .8520        1     1.5    1.7   625.7  624.67  448.56 2413.83    NO
  2300.   .8238        1     1.5    1.7   625.7  624.67  463.94 2650.90    NO
  2400.   .7974        1     1.5    1.7   625.7  624.67  479.29 2899.85    NO
  2500.   .7727        1     1.5    1.7   625.7  624.67  494.63 3160.73    NO
  2600.   .7495        1     1.5    1.7   625.7  624.67  509.94 3433.60    NO
  2700.   .7277        1     1.5    1.7   625.7  624.67  525.22 3718.49    NO
  2800.   .7071        1     1.5    1.7   625.7  624.67  540.47 4015.47    NO
  2900.   .6878        1     1.5    1.7   625.7  624.67  555.68 4324.56    NO
  3000.   .6695        1     1.5    1.7   625.7  624.67  570.86 4645.82    NO
  3500.   .6652        2     1.5    1.7   625.7  624.67  497.15  462.62    NO
  4000.   .6497        2     1.5    1.7   625.7  624.67  552.65  526.84    NO
  4500.   .6138        2     1.5    1.7   625.7  624.67  607.77  592.74    NO
  5000.   .5722        2     1.5    1.7   625.7  624.67  662.45  660.01    NO
  5500.   .5319        2     1.5    1.7   625.7  624.67  716.69  728.40    NO
  6000.   .4957        2     1.5    1.7   625.7  624.67  770.46  797.76    NO
  6500.   .4639        2     1.5    1.7   625.7  624.67  823.79  867.96    NO
  7000.   .4726        3     1.5    1.7   599.9  598.87  617.38  395.45    NO
  7500.   .4753        3     1.5    1.7   599.9  598.87  654.11  417.20    NO
  8000.   .4730        3     1.5    1.7   599.9  598.87  690.67  439.02    NO
  8500.   .4669        3     1.5    1.7   599.9  598.87  727.06  460.88    NO
  9000.   .4581        3     1.5    1.7   599.9  598.87  763.28  482.78    NO
  9500.   .4732        5     1.0    1.7 10000.0  194.40  391.06   87.98    NO
 10000.   .4879        5     1.0    1.7 10000.0  194.40  409.13   89.76    NO

MAXIMUM 1-HR CONCENTRATION AT OR BEYOND     1. M:
  1087.   1.322        1     1.5    1.7   625.7  624.67  278.82  565.19    NO

 DWASH=   MEANS NO CALC MADE (CONC = 0.0)
 DWASH=NO MEANS NO BUILDING DOWNWASH USED
 DWASH=HS MEANS HUBER-SNYDER DOWNWASH USED
 DWASH=SS MEANS SCHULMAN-SCIRE DOWNWASH USED
 DWASH=NA MEANS DOWNWASH NOT APPLICABLE, X<3*LB

 *** INVERSION BREAK-UP FUMIGATION CALC. ***
  CONC (UG/M**3)   =    1.465
  DIST TO MAX (M)  = 14230.93

     ***************************************
     *** SUMMARY OF SCREEN MODEL RESULTS ***
     ***************************************

 CALCULATION        MAX CONC    DIST TO   TERRAIN
  PROCEDURE        (UG/M**3)    MAX (M)    HT (M)
--------------    -----------   -------   -------
SIMPLE TERRAIN      1.322         1087.        0.

INV BREAKUP FUMI    1.465        14231.       --


**************************************************
** REMEMBER TO INCLUDE BACKGROUND CONCENTRATIONS **
**************************************************
```

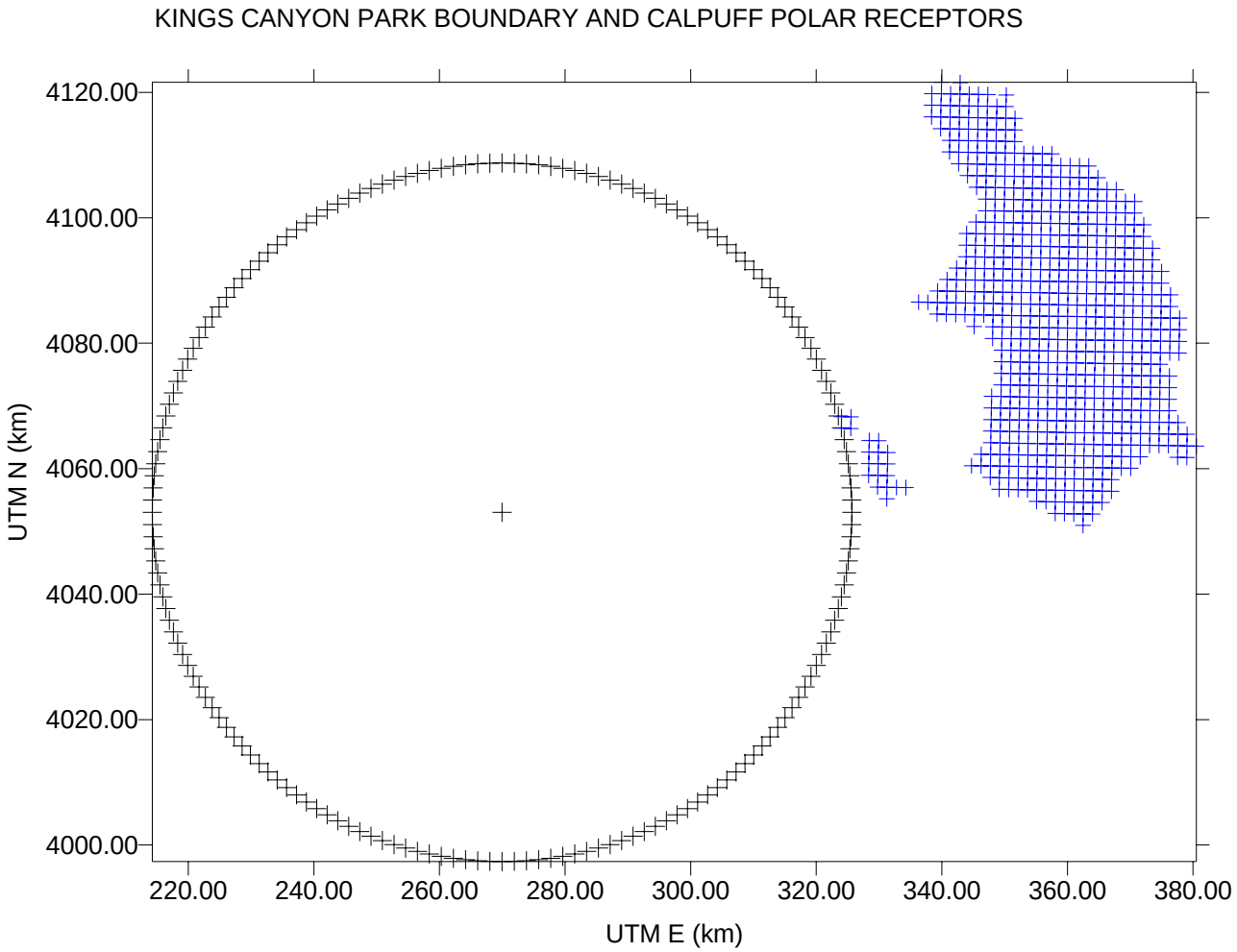

Figure A8.1-6- 3

SEQUOIA PARK BOUNDARY AND CALPUFF POLAR RECEPTORS

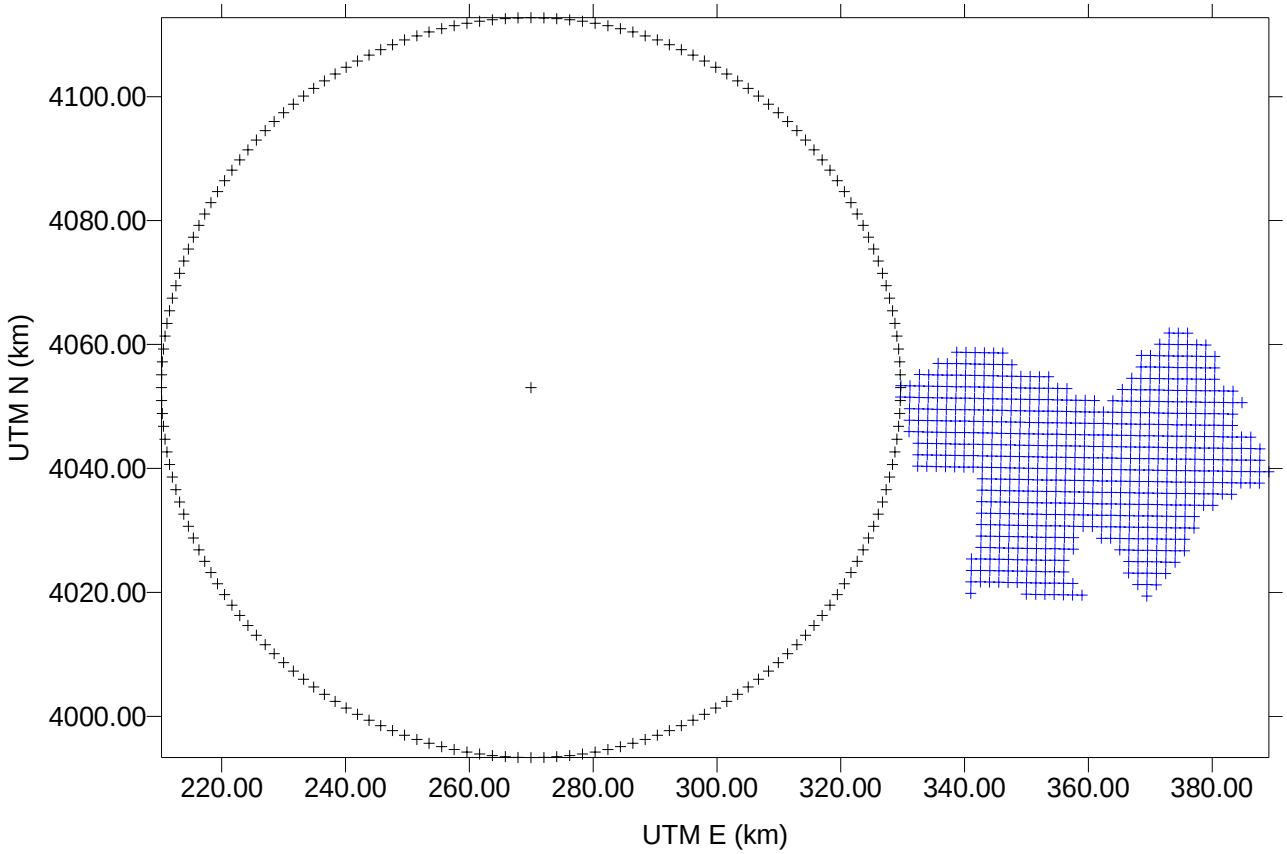

Figure A8.1-6- 4

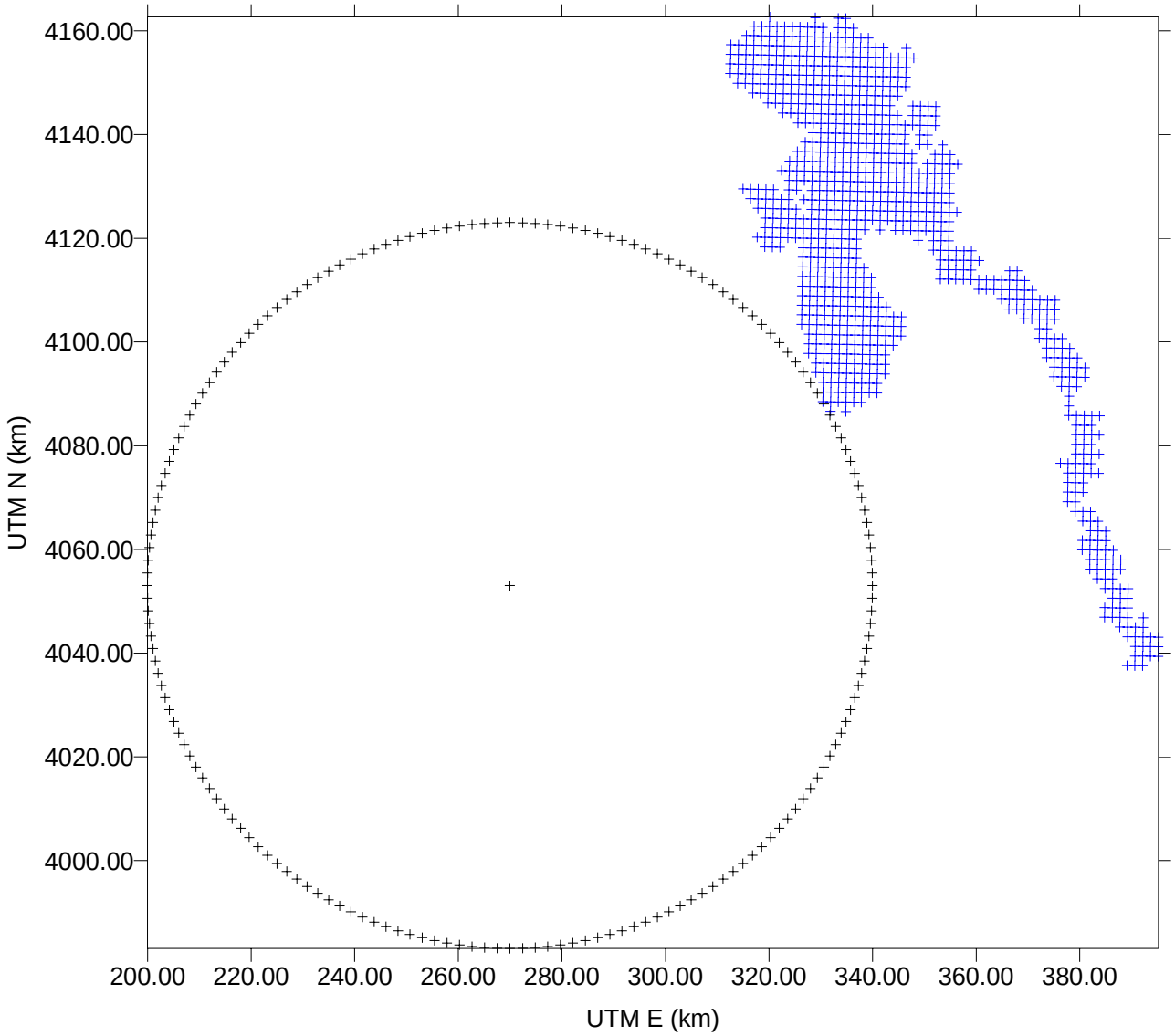

Figure A8.1-6- 5

KAISER PARK BOUNDARY AND POLAR RECEPTORS

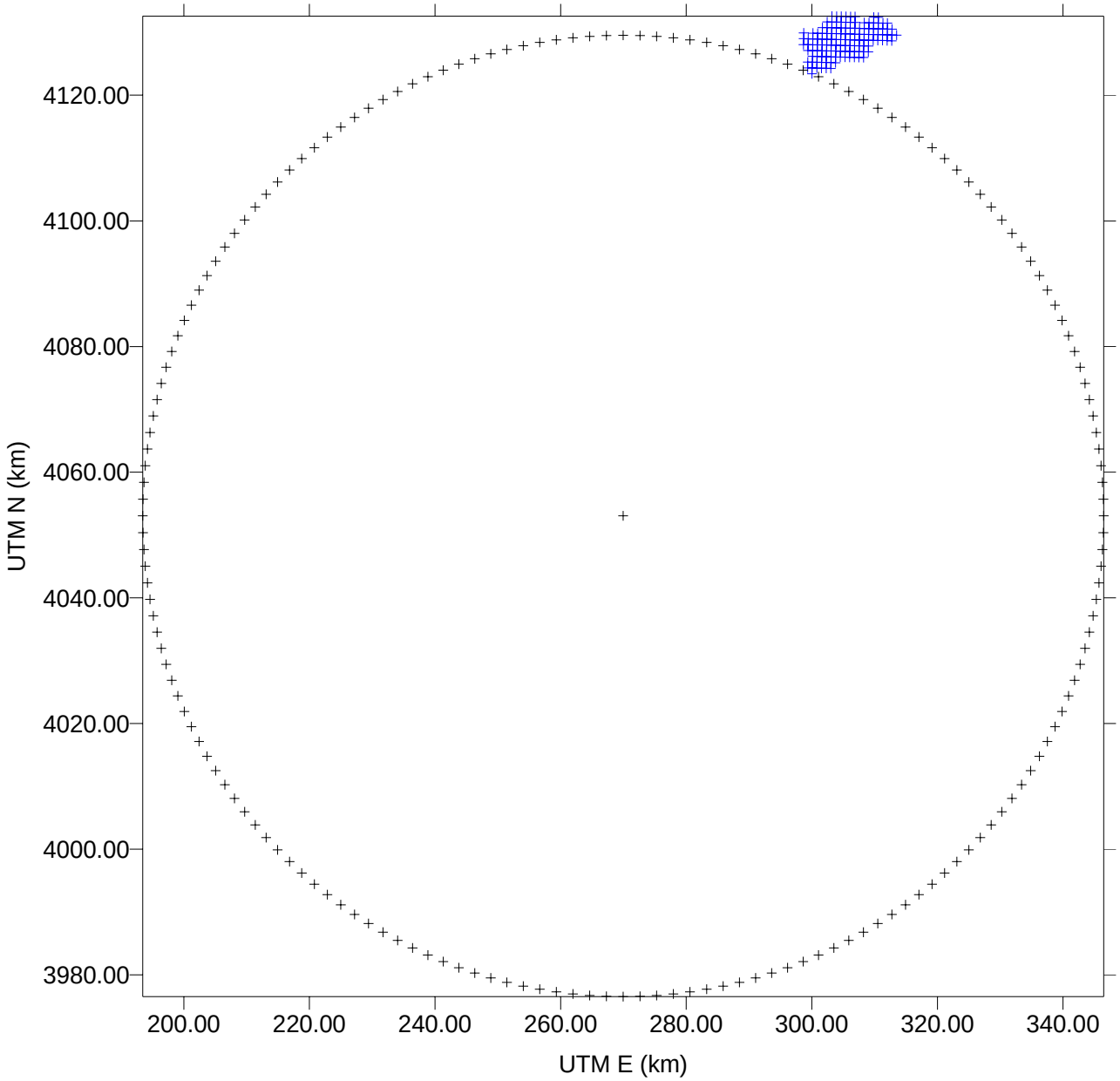

Figure A8.1-6- 6

YOSEMITE PARK BOUNDARY AND POLAR RECEPTORS

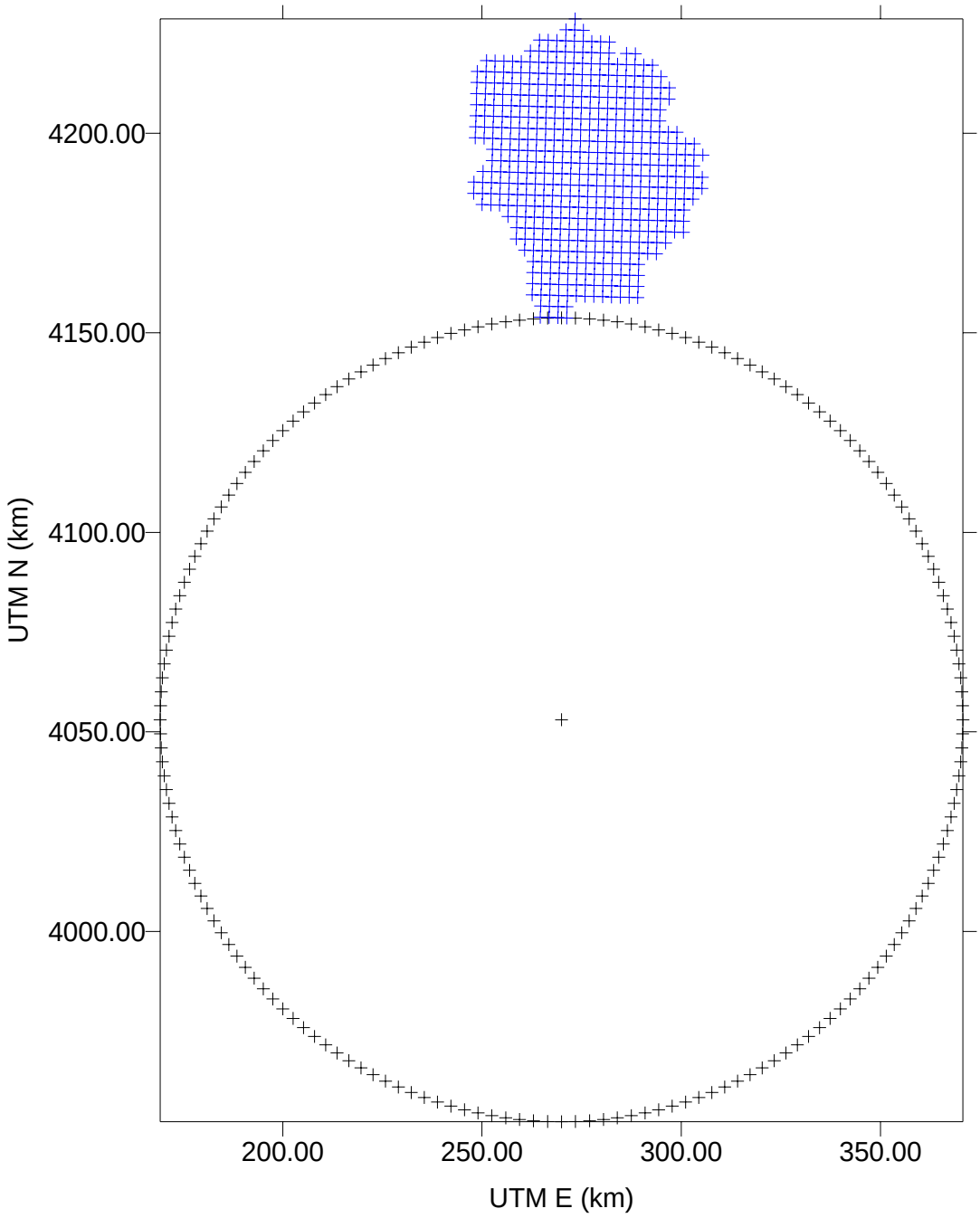

Figure A8.1-6- 7

ANSEL ADAMS PARK BOUNDARY AND POLAR RECEPTORS

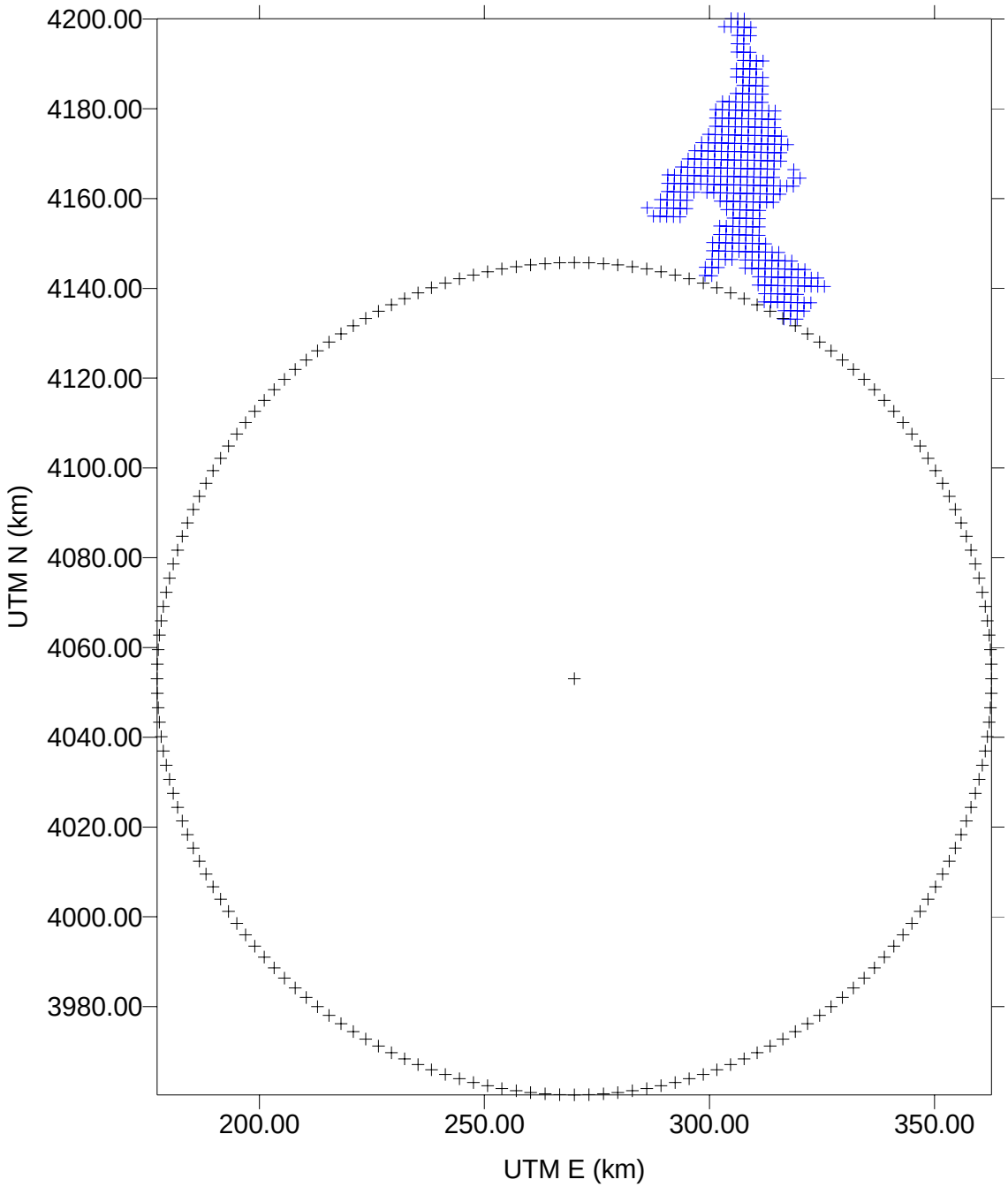

Figure A8.1-6- 8

YOSEMITE PARK BOUNDARY AND POLAR RECEPTORS

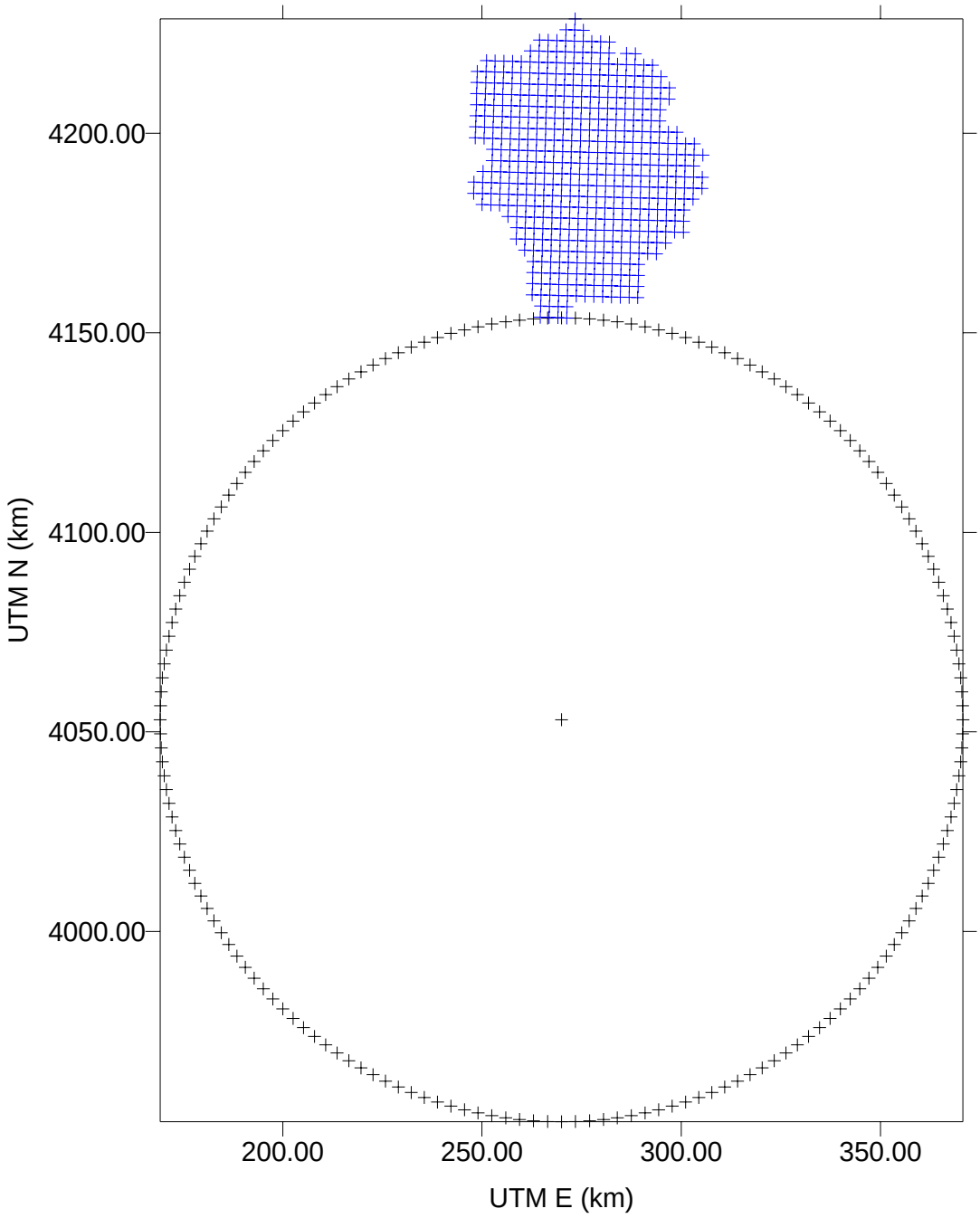

Figure A8.1-6- 9

DOMELAND PARK BOUNDARY AND POLAR RECEPTORS

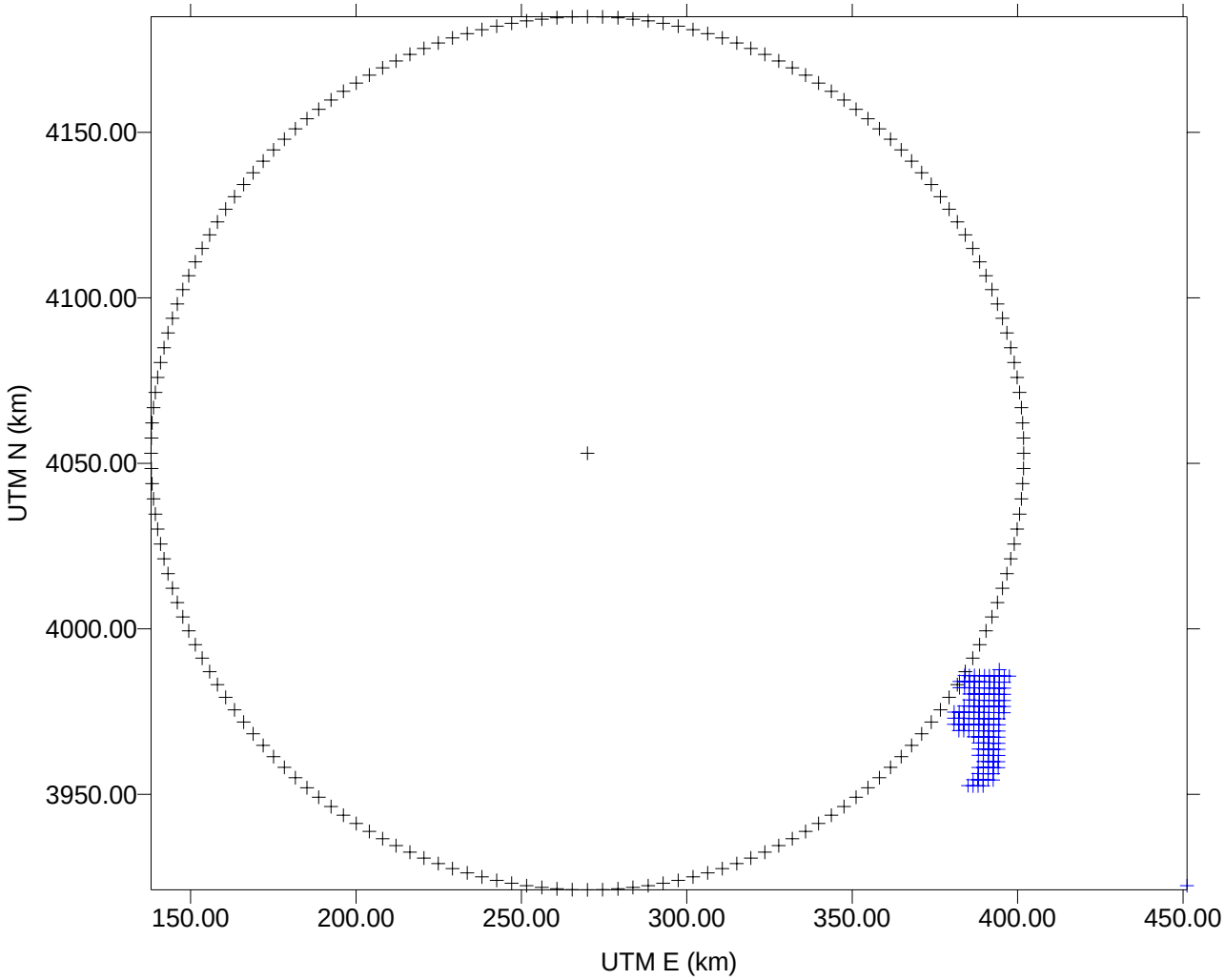

Figure A8.1-6- 10

PINNACLES PARK BOUNDARY AND POLAR RECEPTORS

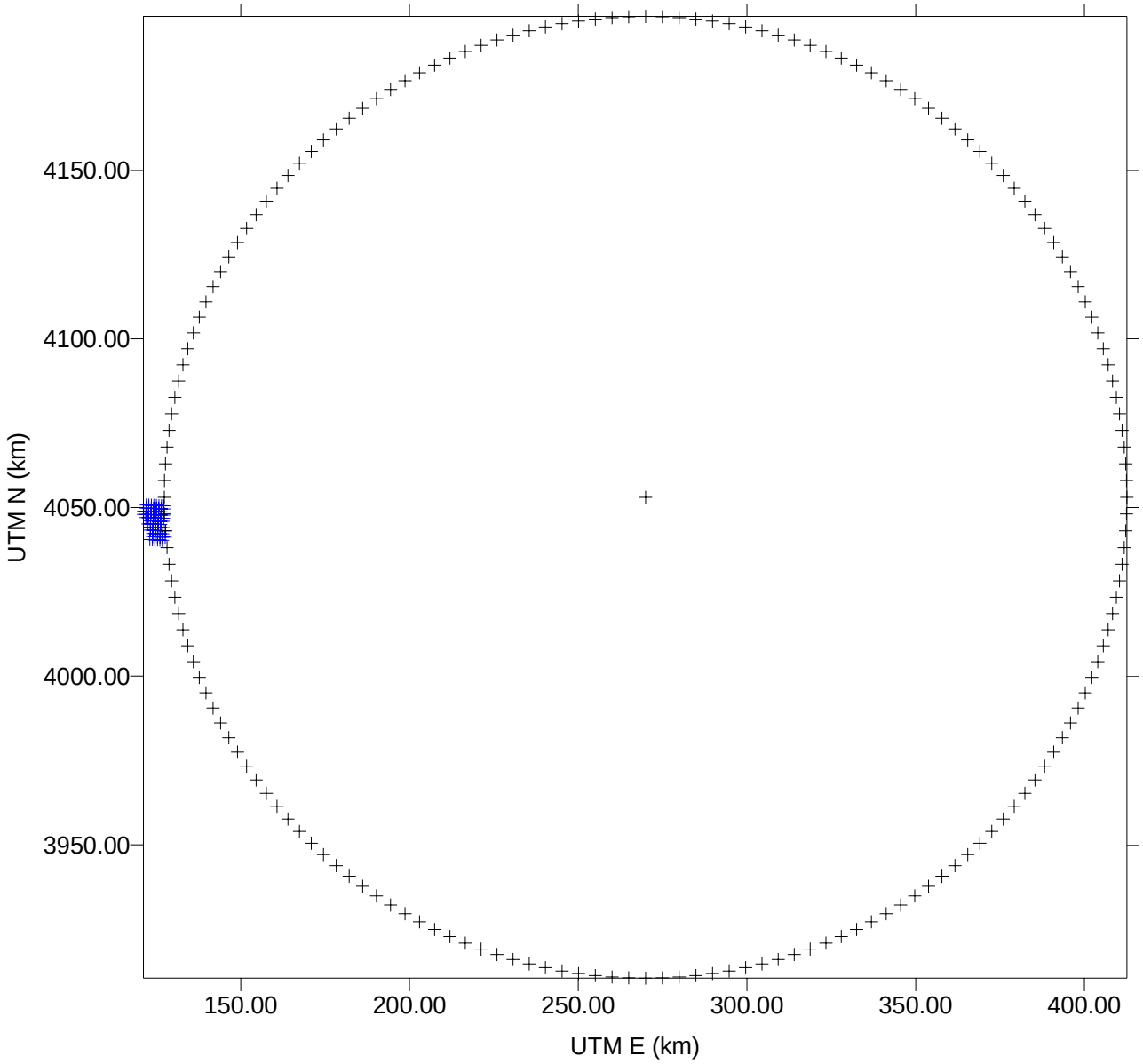

Figure A8.1-6- 11

HOOVER PARK BOUNDARY AND POLAR RECEPTORS

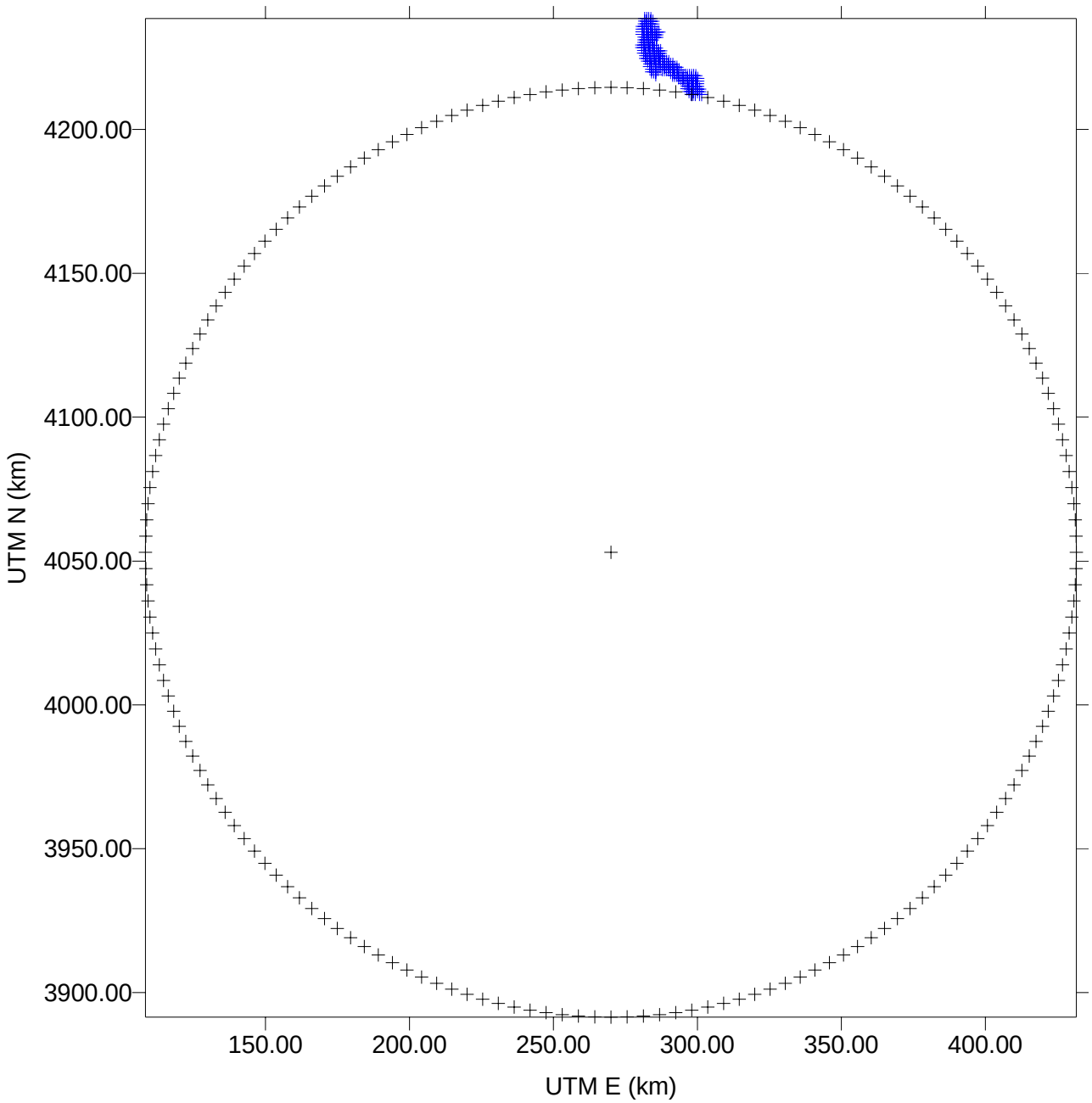

Figure A8.1-6- 12

VENTANA PARK BOUNDARY AND POLAR RECEPTORS

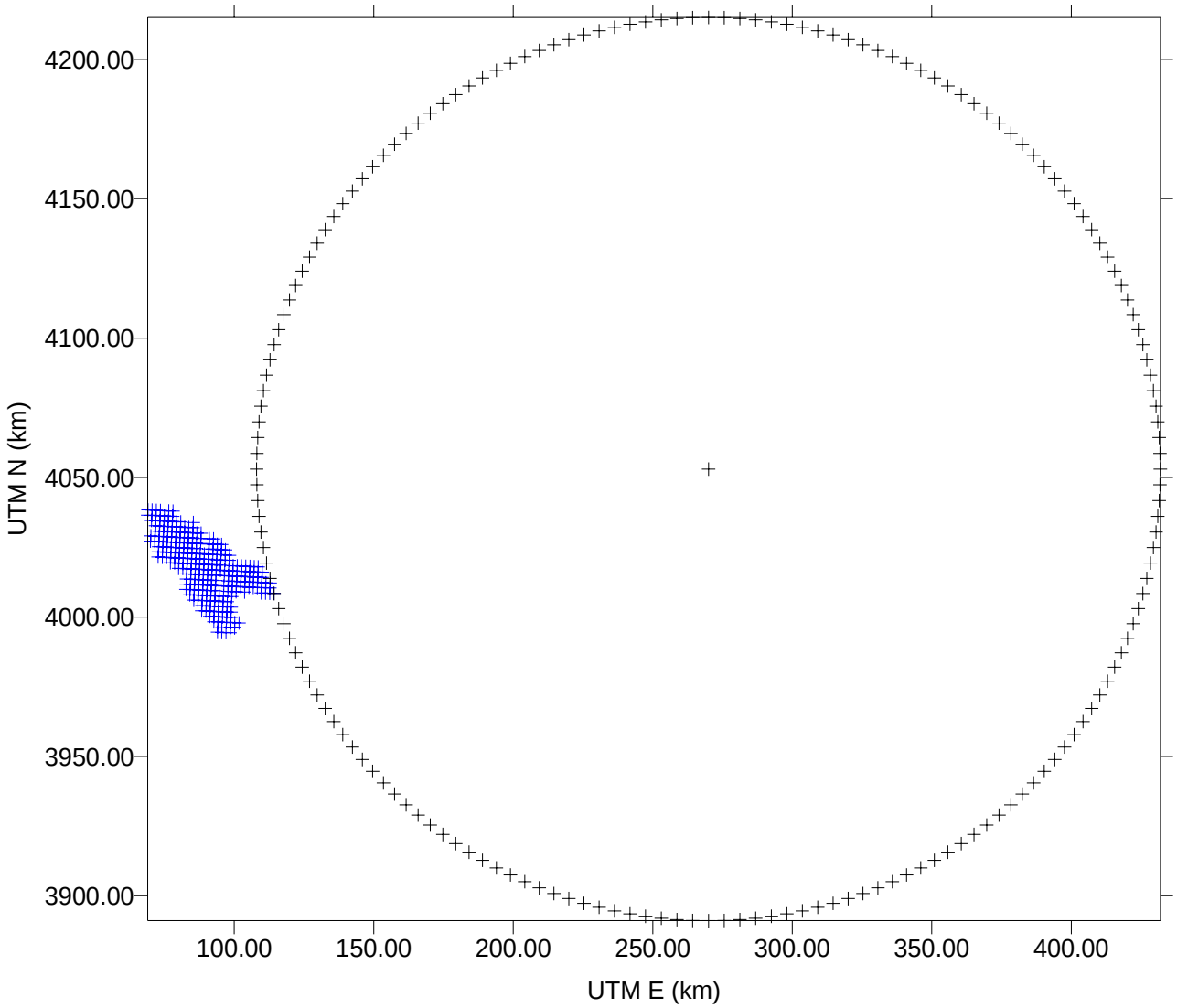

Figure A8.1-6- 13

EMIGRANT PARK BOUNDARY AND POLAR RECEPTORS

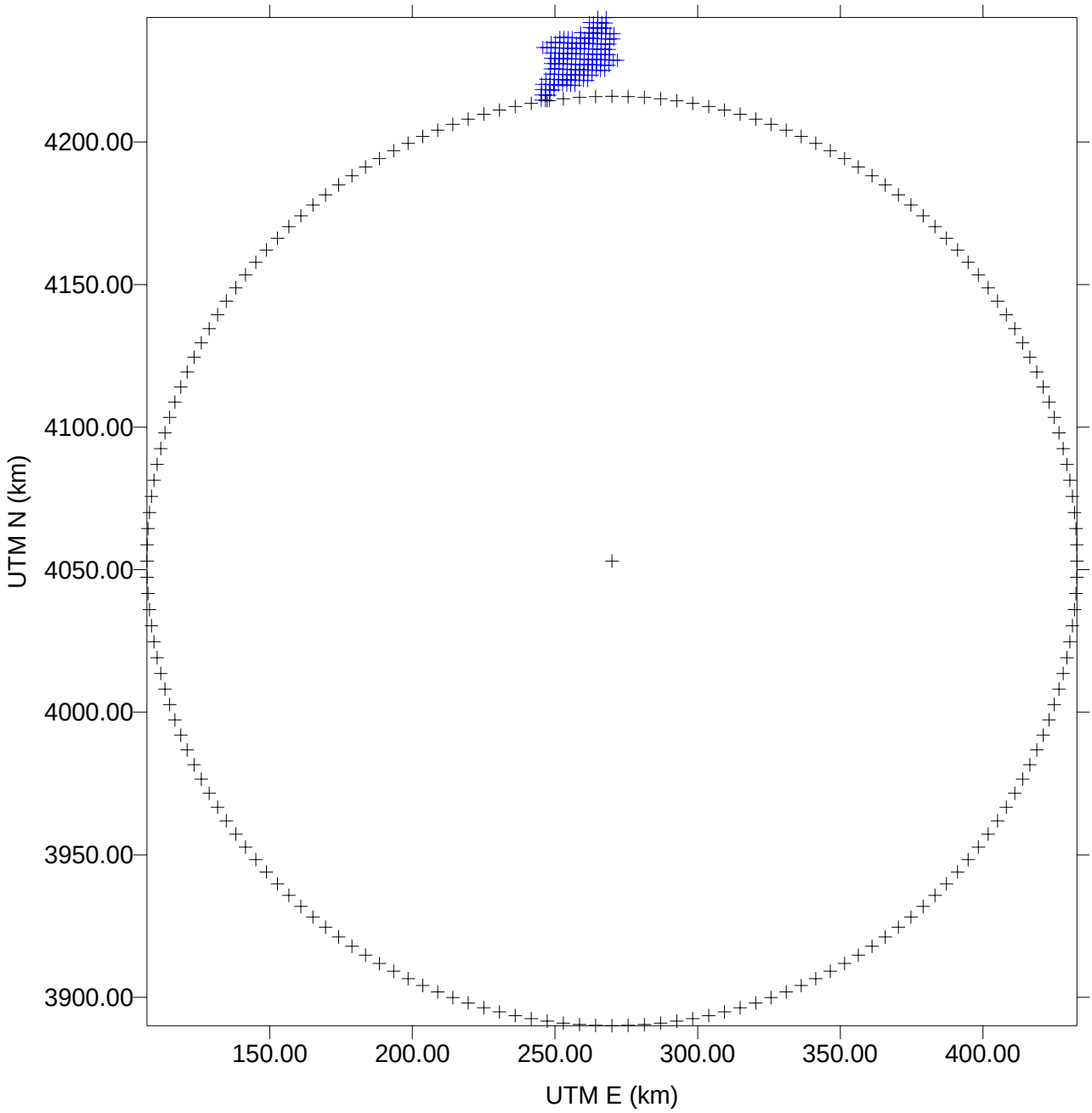

Figure A8.1-6- 14

SAMPLE CALPUFF INPUT FILE – PARTIAL LISTING

```
CPP 24-hr IMPACTS, CASE 4a, Scenario A, group 1
FRESNO 1986-1990, SIEMENS CT, AUX BOILER, COOL TWR

---------------- Run title (3 lines) ------------------------------------------

                    CALPUFF MODEL CONTROL FILE
                    --------------------------

-------------------------------------------------------------------------------

INPUT GROUP: 0 -- Input and Output File Names

--------------
Default Name  Type          File Name
------------  ----          ---------
CALMET.DAT    input    * METDAT =             *
    or
ISCMET.DAT    input    ! ISCDAT =FRES8690.ASC !
    or
PLMMET.DAT    input    * PLMDAT =             *
    or
PROFILE.DAT   input    * PRFDAT =             *
SURFACE.DAT   input    * SFCDAT =             *
RESTARTB.DAT  input    * RSTARTB=             *
-------------------------------------------------------------------------------
CALPUFF.LST   output   ! PUFLST =1S14aAcs.LST  !
CONC.DAT      output   ! CONDAT =1S14aAcs.DAT     !
DFLX.DAT      output   * DFDAT  =1S1AD.DAT     *
WFLX.DAT      output   * WFDAT  =1S1AW.DAT     *

VISB.DAT      output   ! VISDAT =  1S14aAch.DAT !
RESTARTE.DAT  output   * RSTARTE=             *
-------------------------------------------------------------------------------
Emission Files
--------------
PTEMARB.DAT   input    * PTDAT  =             *
VOLEMARB.DAT  input    * VOLDAT =             *
BAEMARB.DAT   input    * ARDAT  =             *
LNEMARB.DAT   input    * LNDAT  =             *
-------------------------------------------------------------------------------
Other Files
-----------
OZONE.DAT     input    * OZDAT  =             *
VD.DAT        input    * VDDAT  =             *
CHEM.DAT      input    * CHEMDAT=             *
H2O2.DAT      input    * H2O2DAT=             *
HILL.DAT      input    * HILDAT=             *
HILLRCT.DAT   input    * RCTDAT=             *
COASTLN.DAT   input    * CSTDAT=             *
FLUXBDY.DAT   input    * BDYDAT=             *
BCON.DAT      input    * BCNDAT=             *
DEBUG.DAT     output   * DEBUG =             *
MASSFLX.DAT   output   * FLXDAT=             *
MASSBAL.DAT   output   * BALDAT=             *
FOG.DAT       output   * FOGDAT=             *
-------------------------------------------------------------------------------
All file names will be converted to lower case if LCFILES = T
Otherwise, if LCFILES = F, file names will be converted to UPPER CASE
         T = lower case      ! LCFILES = T !
         F = UPPER CASE
NOTE: (1) file/path names can be up to 70 characters in length


Provision for multiple input files
----------------------------------

     Number of CALMET.DAT files for run (NMETDAT)
                                     Default: 1       ! NMETDAT =   0   !

     Number of PTEMARB.DAT files for run (NPTDAT)
                                     Default: 0       ! NPTDAT =  0  !

     Number of BAEMARB.DAT files for run (NARDAT)
                                     Default: 0       ! NARDAT =  0  !

     Number of VOLEMARB.DAT files for run (NVOLDAT)
```

```
                                   Default: 0       ! NVOLDAT =  0  !

!END!

-------------
Subgroup (0a)
-------------

  The following CALMET.DAT filenames are processed in sequence if NMETDAT>1

Default Name  Type          File Name
------------  ----          ---------
 none         input    * METDAT=     *   *END*


--------------------------------------------------------------------------------

INPUT GROUP: 1 -- General run control parameters
--------------

    Option to run all periods found
    in the met. file     (METRUN)   Default: 0       ! METRUN =   1  !

         METRUN = 0 - Run period explicitly defined below
         METRUN = 1 - Run all periods in met. file

     Starting date:   Year (IBYR) -- No default       ! IBYR =  1986  !
     (used only if   Month (IBMO) -- No default       ! IBMO =  0  !
      METRUN = 0)      Day (IBDY) -- No default       ! IBDY =  0  !
                      Hour (IBHR) -- No default       ! IBHR =  0  !

     Base time zone        (XBTZ) -- No default       ! XBTZ = 8.0  !
        PST = 8., MST = 7.
        CST = 6., EST = 5.

     Length of run (hours) (IRLG) -- No default       ! IRLG =  0  !

     Number of chemical species (NSPEC)
                                   Default: 5       ! NSPEC =  10   !

     Number of chemical species
     to be emitted  (NSE)          Default: 3       ! NSE =  6   !

     Flag to stop run after
     SETUP phase (ITEST)           Default: 2       ! ITEST =  2   !
     (Used to allow checking
     of the model inputs, files, etc.)
           ITEST = 1 - STOPS program after SETUP phase
           ITEST = 2 - Continues with execution of program
                       after SETUP

     Restart Configuration:

        Control flag (MRESTART)      Default: 0       ! MRESTART =  0   !

           0 = Do not read or write a restart file
           1 = Read a restart file at the beginning of
               the run
           2 = Write a restart file during run
           3 = Read a restart file at beginning of run
               and write a restart file during run

        Number of periods in Restart
        output cycle (NRESPD)        Default: 0       ! NRESPD =  0   !

           0 = File written only at last period
          >0 = File updated every NRESPD periods

     Meteorological Data Format (METFM)
                                   Default: 1       ! METFM =  2   !

           METFM = 1 - CALMET binary file (CALMET.MET)
           METFM = 2 - ISC ASCII file (ISCMET.MET)
           METFM = 3 - AUSPLUME ASCII file (PLMMET.MET)
           METFM = 4 - CTDM plus tower file (PROFILE.DAT) and
                       surface parameters file (SURFACE.DAT)

     PG sigma-y is adjusted by the factor (AVET/PGTIME)**0.2
```

```
     Averaging Time (minutes) (AVET)
                                    Default: 60.0    ! AVET = 60. !
     PG Averaging Time (minutes) (PGTIME)
                                    Default: 60.0    ! PGTIME = 60. !


!END!


------------------------------------------------------------------------------

INPUT GROUP: 2 -- Technical options
--------------


     Vertical distribution used in the
     near field (MGAUSS)                  Default: 1     ! MGAUSS =  1   !
        0 = uniform
        1 = Gaussian

     Terrain adjustment method
     (MCTADJ)                             Default: 3     ! MCTADJ =  3   !
        0 = no adjustment
        1 = ISC-type of terrain adjustment
        2 = simple, CALPUFF-type of terrain
            adjustment
        3 = partial plume path adjustment

     Subgrid-scale complex terrain
     flag (MCTSG)                         Default: 0     ! MCTSG =  0   !
        0 = not modeled
        1 = modeled

     Near-field puffs modeled as
     elongated 0 (MSLUG)                  Default: 0     ! MSLUG =  0   !
        0 = no
        1 = yes (slug model used)

     Transitional plume rise modeled ?
     (MTRANS)                             Default: 1     ! MTRANS =  1   !
        0 = no  (i.e., final rise only)
        1 = yes (i.e., transitional rise computed)

     Stack tip downwash? (MTIP)           Default: 1     ! MTIP =  1  !
        0 = no  (i.e., no stack tip downwash)
        1 = yes (i.e., use stack tip downwash)

     Method used to simulate building
     downwash? (MBDW)                     Default: 1     ! MBDW =   1  !
        1 = ISC method
        2 = PRIME method

     Vertical wind shear modeled above
     stack top? (MSHEAR)                  Default: 0     ! MSHEAR =  0  !
        0 = no  (i.e., vertical wind shear not modeled)
        1 = yes (i.e., vertical wind shear modeled)

     Puff splitting allowed? (MSPLIT)     Default: 0     ! MSPLIT =  0  !
        0 = no (i.e., puffs not split)
        1 = yes (i.e., puffs are split)

     Chemical mechanism flag (MCHEM)      Default: 1     ! MCHEM =  1   !
        0 = chemical transformation not
            modeled
        1 = transformation rates computed
            internally (MESOPUFF II scheme)
        2 = user-specified transformation
            rates used
        3 = transformation rates computed
            internally (RIVAD/ARM3 scheme)
        4 = secondary organic aerosol formation
            computed (MESOPUFF II scheme for OH)

     Aqueous phase transformation flag (MAQCHEM)
     (Used only if MCHEM = 1, or 3)       Default: 0     ! MAQCHEM =  0   !
        0 = aqueous phase transformation
            not modeled
        1 = transformation rates adjusted
```

```
       for aqueous phase reactions

Wet removal modeled ? (MWET)          Default: 1     ! MWET =  1   !
   0 = no
   1 = yes

Dry deposition modeled ? (MDRY)       Default: 1     ! MDRY =  1   !
   0 = no
   1 = yes
   (dry deposition method specified
    for each species in Input Group 3)

Method used to compute dispersion
coefficients (MDISP)                  Default: 3     ! MDISP =  3   !

   1 = dispersion coefficients computed from measured values
       of turbulence, sigma v, sigma w
   2 = dispersion coefficients from internally calculated
       sigma v, sigma w using micrometeorological variables
       (u*, w*, L, etc.)
   3 = PG dispersion coefficients for RURAL areas (computed using
       the ISCST multi-segment approximation) and MP coefficients in
       urban areas
   4 = same as 3 except PG coefficients computed using
       the MESOPUFF II eqns.
   5 = CTDM sigmas used for stable and neutral conditions.
       For unstable conditions, sigmas are computed as in
       MDISP = 3, described above.  MDISP = 5 assumes that
       measured values are read

Sigma-v/sigma-theta, sigma-w measurements used? (MTURBVW)
(Used only if MDISP = 1 or 5)         Default: 3     ! MTURBVW =  0  !
   1 = use sigma-v or sigma-theta measurements
       from PROFILE.DAT to compute sigma-y
       (valid for METFM = 1, 2, 3, 4)
   2 = use sigma-w measurements
       from PROFILE.DAT to compute sigma-z
       (valid for METFM = 1, 2, 3, 4)
   3 = use both sigma-(v/theta) and sigma-w
       from PROFILE.DAT to compute sigma-y and sigma-z
       (valid for METFM = 1, 2, 3, 4)
   4 = use sigma-theta measurements
       from PLMMET.DAT to compute sigma-y
       (valid only if METFM = 3)

Back-up method used to compute dispersion
when measured turbulence data are
missing (MDISP2)                      Default: 3     ! MDISP2 =  3  !
(used only if MDISP = 1 or 5)
   2 = dispersion coefficients from internally calculated
       sigma v, sigma w using micrometeorological variables
       (u*, w*, L, etc.)
   3 = PG dispersion coefficients for RURAL areas (computed using
       the ISCST multi-segment approximation) and MP coefficients in
       urban areas
   4 = same as 3 except PG coefficients computed using
       the MESOPUFF II eqns.

PG sigma-y,z adj. for roughness?      Default: 0     ! MROUGH =  0  !
(MROUGH)
   0 = no
   1 = yes

Partial plume penetration of          Default: 1     ! MPARTL =  1  !
elevated inversion?
(MPARTL)
   0 = no
   1 = yes

Strength of temperature inversion     Default: 0     ! MTINV =  0  !
provided in PROFILE.DAT extended records?
(MTINV)
   0 = no (computed from measured/default gradients)
   1 = yes

PDF used for dispersion under convective conditions?
                                      Default: 0     ! MPDF =  0  !
(MPDF)
```

```
        0 = no
        1 = yes

     Sub-Grid TIBL module used for shore line?
                                          Default: 0     ! MSGTIBL = 0  !
     (MSGTIBL)
        0 = no
        1 = yes

     Boundary conditions (concentration) modeled?
                                          Default: 0     ! MBCON = 0  !
     (MBCON)
        0 = no
        1 = yes, using formatted BCON.DAT file
        2 = yes, using unformatted CONC.DAT file


     Analyses of fogging and icing impacts due to emissions from
     arrays of mechanically-forced cooling towers can be performed
     using CALPUFF in conjunction with a cooling tower emissions
     processor (CTEMISS) and its associated postprocessors.  Hourly
     emissions of water vapor and temperature from each cooling tower
     cell are computed for the current cell configuration and ambient
     conditions by CTEMISS. CALPUFF models the dispersion of these
     emissions and provides cloud information in a specialized format
     for further analysis. Output to FOG.DAT is provided in either
     'plume mode' or 'receptor mode' format.

     Configure for FOG Model output?
                                          Default: 0     ! MFOG =  0   !
     (MFOG)
        0 = no
        1 = yes  - report results in PLUME Mode format
        2 = yes  - report results in RECEPTOR Mode format


     Test options specified to see if
     they conform to regulatory
     values? (MREG)                       Default: 1     ! MREG =  0   !

        0 = NO checks are made
        1 = Technical options must conform to USEPA
            Long Range Transport (LRT) guidance
                        METFM    1 or 2
                        AVET     60. (min)
                        PGTIME   60. (min)
                        MGAUSS   1
                        MCTADJ   3
                        MTRANS   1
                        MTIP     1
                        MCHEM    1 or 3 (if modeling SOx, NOx)
                        MWET     1
                        MDRY     1
                        MDISP    2 or 3
                        MPDF     0 if MDISP=3
                                 1 if MDISP=2
                        MROUGH   0
                        MPARTL   1
                        SYTDEP   550. (m)
                        MHFTSZ   0


!END!


-------------------------------------------------------------------------------

INPUT GROUP: 3a, 3b -- Species list
-------------------

------------
Subgroup (3a)
------------

  The following species are modeled:

! CSPEC =          SO2 !         !END!
! CSPEC =          SO4 !         !END!
```

```
! CSPEC =          NOX !         !END!
! CSPEC =         HNO3 !         !END!
! CSPEC =          NO3 !         !END!
! CSPEC =         PM10 !         !END!
! CSPEC =          PMF !         !END!
! CSPEC =          PMC !         !END!
! CSPEC =           EC !         !END!
! CSPEC =          SOA !         !END!

                                                      Dry                 OUTPUT GROUP
    SPECIES          MODELED          EMITTED       DEPOSITED                NUMBER
     NAME         (0=NO, 1=YES)    (0=NO, 1=YES)    (0=NO,                 (0=NONE,
   (Limit: 12                                        1=COMPUTED-GAS        1=1st CGRUP,
    Characters                                       2=COMPUTED-PARTICLE   2=2nd CGRUP,
    in length)                                       3=USER-SPECIFIED)     3= etc.)

!          SO2  =         1,               1,           1,                 0   !
!          SO4  =         1,               1,           2,                 0   !
!          NOX  =         1,               1,           1,                 0   !
!         HNO3  =         1,               0,           1,                 0   !
!          NO3  =         1,               0,           2,                 0   !
!         PM10  =         1,               1,           2,                 0   !
!          PMF  =         1,               0,           0,                 0   !
!          PMC  =         1,               0,           0,                 0   !
!           EC  =         1,               1,           0,                 0   !
!          SOA  =         1,               1,           0,                 0   !


!END!

-------------
Subgroup (3b)
-------------
  The following names are used for Species-Groups in which results
  for certain species are combined (added) prior to output.  The
  CGRUP name will be used as the species name in output files.
  Use this feature to model specific particle-size distributions
  by treating each size-range as a separate species.
  Order must be consistent with 3(a) above.



-------------------------------------------------------------------------------


INPUT GROUP: 4 -- Map Projection and Grid control parameters
--------------

     Projection for all (X,Y):
     -------------------------

     Map projection
     (PMAP)                     Default: UTM    ! PMAP = UTM  !

         UTM :  Universal Transverse Mercator
         TTM :  Tangential Transverse Mercator
         LCC :  Lambert Conformal Conic
          PS :  Polar Stereographic
          EM :  Equatorial Mercator
        LAZA :  Lambert Azimuthal Equal Area

     False Easting and Northing (km) at the projection origin
     (Used only if PMAP= TTM, LCC, or LAZA)
     (FEAST)                    Default=0.0     ! FEAST  = 0.000  !
     (FNORTH)                   Default=0.0     ! FNORTH = 0.000  !

     UTM zone (1 to 60)
     (Used only if PMAP=UTM)
     (IUTMZN)                   No Default      ! IUTMZN =  11   !

     Hemisphere for UTM projection?
     (Used only if PMAP=UTM)
     (UTMHEM)                   Default: N      ! UTMHEM = N  !
         N   :  Northern hemisphere projection
         S   :  Southern hemisphere projection

     Latitude and Longitude (decimal degrees) of projection origin
     (Used only if PMAP= TTM, LCC, PS, EM, or LAZA)
```

```
(RLAT0)                    No Default      ! RLAT0 = 0N  !
(RLON0)                    No Default      ! RLON0 = 0E  !

    TTM :  RLON0 identifies central (true N/S) meridian of projection
           RLAT0 selected for convenience
    LCC :  RLON0 identifies central (true N/S) meridian of projection
           RLAT0 selected for convenience
    PS  :  RLON0 identifies central (grid N/S) meridian of projection
           RLAT0 selected for convenience
    EM  :  RLON0 identifies central meridian of projection
           RLAT0 is REPLACED by 0.0N (Equator)
    LAZA:  RLON0 identifies longitude of tangent-point of mapping plane
           RLAT0 identifies latitude of tangent-point of mapping plane

Matching parallel(s) of latitude (decimal degrees) for projection
(Used only if PMAP= LCC or PS)
(XLAT1)                    No Default      ! XLAT1 = 0N  !
(XLAT2)                    No Default      ! XLAT2 = 0N  !

    LCC :  Projection cone slices through Earth's surface at XLAT1 and XLAT2
    PS  :  Projection plane slices through Earth at XLAT1
           (XLAT2 is not used)

----------
Note:  Latitudes and longitudes should be positive, and include a
       letter N,S,E, or W indicating north or south latitude, and
       east or west longitude.  For example,
       35.9  N Latitude  =  35.9N
       118.7 E Longitude = 118.7E


Datum-region
------------

The Datum-Region for the coordinates is identified by a character
string.  Many mapping products currently available use the model of the
Earth known as the World Geodetic System 1984 (WGS-G ).  Other local
models may be in use, and their selection in CALMET will make its output
consistent with local mapping products.  The list of Datum-Regions with
official transformation parameters is provided by the National Imagery and
Mapping Agency (NIMA).

NIMA Datum - Regions(Examples)
-------------------------------------------------------------------------------
WGS-G     WGS-84 GRS 80 Spheroid, Global coverage (WGS84)
NAS-C     NORTH AMERICAN 1927 Clarke 1866 Spheroid, MEAN FOR CONUS (NAD27)
NWS-27    NWS 6370KM Radius, Sphere
NWS-84    NWS 6370KM Radius, Sphere
ESR-S     ESRI REFERENCE 6371KM Radius, Sphere

Datum-region for output coordinates
(DATUM)                    Default: WGS-G     ! DATUM = WGS-G  !


METEOROLOGICAL Grid:

Rectangular grid defined for projection PMAP,
with X the Easting and Y the Northing coordinate

       No. X grid cells (NX)      No default     ! NX =  2   !
       No. Y grid cells (NY)      No default     ! NY =  2   !
    No. vertical layers (NZ)      No default     ! NZ =  1   !

      Grid spacing (DGRIDKM)      No default     ! DGRIDKM = 200. !
                                  Units: km

           Cell face heights
               (ZFACE(nz+1))      No defaults
                                  Units: m
  ! ZFACE = 0., 5000. !

       Reference Coordinates
      of SOUTHWEST corner of
            grid cell(1, 1):

       X coordinate (XORIGKM)     No default     ! XORIGKM = 70. !
       Y coordinate (YORIGKM)     No default     ! YORIGKM = 3853. !
                                 Units: km
```

```
COMPUTATIONAL Grid:

     The computational grid is identical to or a subset of the MET. grid.
     The lower left (LL) corner of the computational grid is at grid point
     (IBCOMP, JBCOMP) of the MET. grid.  The upper right (UR) corner of the
     computational grid is at grid point (IECOMP, JECOMP) of the MET. grid.
     The grid spacing of the computational grid is the same as the MET. grid.

        X index of LL corner (IBCOMP)      No default     ! IBCOMP =  1   !
                  (1 <= IBCOMP <= NX)

        Y index of LL corner (JBCOMP)      No default     ! JBCOMP =  1   !
                  (1 <= JBCOMP <= NY)


        X index of UR corner (IECOMP)      No default     ! IECOMP =  2   !
                  (1 <= IECOMP <= NX)

        Y index of UR corner (JECOMP)      No default     ! JECOMP =  2   !
                  (1 <= JECOMP <= NY)



SAMPLING Grid (GRIDDED RECEPTORS):

     The lower left (LL) corner of the sampling grid is at grid point
     (IBSAMP, JBSAMP) of the MET. grid.  The upper right (UR) corner of the
     sampling grid is at grid point (IESAMP, JESAMP) of the MET. grid.
     The sampling grid must be identical to or a subset of the computational
     grid.  It may be a nested grid inside the computational grid.
     The grid spacing of the sampling grid is DGRIDKM/MESHDN.

        Logical flag indicating if gridded
        receptors are used (LSAMP)         Default: T     ! LSAMP = F !
        (T=yes, F=no)

        X index of LL corner (IBSAMP)      No default     ! IBSAMP =  0   !
         (IBCOMP <= IBSAMP <= IECOMP)

        Y index of LL corner (JBSAMP)      No default     ! JBSAMP =  0   !
         (JBCOMP <= JBSAMP <= JECOMP)


        X index of UR corner (IESAMP)      No default     ! IESAMP =  0   !
         (IBCOMP <= IESAMP <= IECOMP)

        Y index of UR corner (JESAMP)      No default     ! JESAMP =  0   !
         (JBCOMP <= JESAMP <= JECOMP)


       Nesting factor of the sampling
        grid (MESHDN)                      Default: 1     ! MESHDN =  1  !
        (MESHDN is an integer >= 1)

!END!


-------------------------------------------------------------------------------


INPUT GROUP: 5 -- Output Options
--------------
                                                *                          *
     FILE                        DEFAULT VALUE             VALUE THIS RUN
     ----                        -------------             --------------

   Concentrations (ICON)               1                   !  ICON =  1   !
   Dry Fluxes (IDRY)                   1                   !  IDRY =  0   !
   Wet Fluxes (IWET)                   1                   !  IWET =  0   !
   Relative Humidity (IVIS)            1                   !  IVIS =  1   !
    (relative humidity file is
     required for visibility
     analysis)
   Use data compression option in output file?
   (LCOMPRS)                            Default: T         ! LCOMPRS = T !
```

```
*
 0 = Do not create file, 1 = create file


 DIAGNOSTIC MASS FLUX OUTPUT OPTIONS:

    Mass flux across specified boundaries
    for selected species reported hourly?
    (IMFLX)                        Default: 0         ! IMFLX =  0  !
      0 = no
      1 = yes (FLUXBDY.DAT and MASSFLX.DAT filenames
               are specified in Input Group 0)

    Mass balance for each species
    reported hourly?
    (IMBAL)                        Default: 0         ! IMBAL =  0  !
      0 = no
      1 = yes (MASSBAL.DAT filename is
           specified in Input Group 0)


 LINE PRINTER OUTPUT OPTIONS:

    Print concentrations (ICPRT)    Default: 0         ! ICPRT =  1   !
    Print dry fluxes (IDPRT)        Default: 0         ! IDPRT =  0   !
    Print wet fluxes (IWPRT)        Default: 0         ! IWPRT =  0   !
    (0 = Do not print, 1 = Print)

    Concentration print interval
    (ICFRQ) in hours                Default: 1         ! ICFRQ =  720 !
    Dry flux print interval
    (IDFRQ) in hours                Default: 1         ! IDFRQ =  1   !
    Wet flux print interval
    (IWFRQ) in hours                Default: 1         ! IWFRQ =  1   !

    Units for Line Printer Output
    (IPRTU)                         Default: 1         ! IPRTU =  3   !
                    for            for
                Concentration    Deposition
        1 =       g/m**3         g/m**2/s
        2 =      mg/m**3        mg/m**2/s
        3 =      ug/m**3        ug/m**2/s
        4 =      ng/m**3        ng/m**2/s
        5 =     Odour Units

    Messages tracking progress of run
    written to the screen ?
    (IMESG)                         Default: 2         ! IMESG =  2   !
      0 = no
      1 = yes (advection step, puff ID)
      2 = yes (YYYYJJJHH, # old puffs, # emitted puffs)


  SPECIES (or GROUP for combined species) LIST FOR OUTPUT OPTIONS

                 ---- CONCENTRATIONS ----   ------ DRY FLUXES ------   ------ WET FLUXES ------   -
- MASS FLUX --
   SPECIES
   /GROUP        PRINTED?  SAVED ON DISK?   PRINTED?  SAVED ON DISK?   PRINTED?  SAVED ON DISK?
SAVED ON DISK?
   -------       ------------------------   ------------------------   ------------------------   -
--------------
!          SO2 =     0,           1,           0,           0,           0,           0,
0   !
!          SO4 =     0,           1,           0,           0,           0,           0,
0   !
!          NOX =     0,           1,           0,           0,           0,           0,
0   !
!         HNO3 =     0,           1,           0,           0,           0,           0,
0   !
!          NO3 =     0,           1,           0,           0,           0,           0,
0   !
!         PM10 =     0,           1,           0,           0,           0,           0,
0   !
!          PMF =     0,           1,           0,           0,           0,           0,
0   !
!          PMC =     0,           1,           0,           0,           0,           0,
0   !
```

```
!           EC =     0,           1,           0,           0,           0,           0,
0   !
!          SOA =     0,           1,           0,           0,           0,           0,
0   !

     OPTIONS FOR PRINTING "DEBUG" QUANTITIES (much output)

       Logical for debug output
       (LDEBUG)                                Default: F     ! LDEBUG = F !

       First puff to track
       (IPFDEB)                                Default: 1     ! IPFDEB =  1  !

       Number of puffs to track
       (NPFDEB)                                Default: 1     ! NPFDEB =  1  !

       Met. period to start output
       (NN1)                                   Default: 1     ! NN1 =  1   !

       Met. period to end output
       (NN2)                                   Default: 10    ! NN2 =  10  !

!END!


------------------------------------------------------------------------------


INPUT GROUP: 6a, 6b, & 6c -- Subgrid scale complex terrain inputs
-------------------------

---------------
Subgroup (6a)
---------------
       Number of terrain features (NHILL)      Default: 0     ! NHILL =  0   !

       Number of special complex terrain
       receptors  (NCTREC)                     Default: 0     ! NCTREC =  0   !

       Terrain and CTSG Receptor data for
       CTSG hills input in CTDM format ?
       (MHILL)                                 No Default     ! MHILL =  2   !
       1 = Hill and Receptor data created
           by CTDM processors & read from
           HILL.DAT and HILLRCT.DAT files
       2 = Hill data created by OPTHILL &
           input below in Subgroup (6b);
           Receptor data in Subgroup (6c)

       Factor to convert horizontal dimensions  Default: 1.0   ! XHILL2M = 1. !
       to meters (MHILL=1)

       Factor to convert vertical dimensions    Default: 1.0   ! ZHILL2M = 1. !
       to meters (MHILL=1)

       X-origin of CTDM system relative to      No Default     ! XCTDMKM = 0.0E00 !
       CALPUFF coordinate system, in Kilometers (MHILL=1)

       Y-origin of CTDM system relative to      No Default     ! YCTDMKM = 0.0E00 !
       CALPUFF coordinate system, in Kilometers (MHILL=1)

! END !

---------------
Subgroup (6b)
---------------

                      1 **
     HILL information


HILL           XC        YC       THETAH  ZGRID  RELIEF    EXPO 1    EXPO 2   SCALE 1    SCALE 2
AMAX1     AMAX2
 NO.          (km)      (km)      (deg.)   (m)     (m)      (m)       (m)       (m)        (m)
(m)       (m)
----          ----      ----      ------  -----  ------    ------    ------   -------    -------
-----     -----
```

```
---------------
Subgroup (6c)
---------------

    COMPLEX TERRAIN RECEPTOR INFORMATION

                      XRCT         YRCT        ZRCT          XHH
                      (km)         (km)         (m)
                     ------        -----      ------         ----


-------------------
1
     Description of Complex Terrain Variables:
          XC, YC  = Coordinates of center of hill
          THETAH  = Orientation of major axis of hill (clockwise from
                    North)
          ZGRID   = Height of the  0  of the grid above mean sea
                    level
          RELIEF  = Height of the crest of the hill above the grid elevation
          EXPO 1  = Hill-shape exponent for the major axis
          EXPO 2  = Hill-shape exponent for the major axis
          SCALE 1 = Horizontal length scale along the major axis
          SCALE 2 = Horizontal length scale along the minor axis
          AMAX    = Maximum allowed axis length for the major axis
          BMAX    = Maximum allowed axis length for the major axis

          XRCT, YRCT = Coordinates of the complex terrain receptors
          ZRCT    = Height of the ground (MSL) at the complex terrain
                    Receptor
          XHH     = Hill number associated with each complex terrain receptor
                    (NOTE: MUST BE ENTERED AS A REAL NUMBER)

   **
     NOTE: DATA for each hill and CTSG receptor are treated as a separate
           input subgroup and therefore must end with an input group terminator.

-------------------------------------------------------------------------------


INPUT GROUP: 7 -- Chemical parameters for dry deposition of gases
--------------

      SPECIES     DIFFUSIVITY      ALPHA STAR      REACTIVITY    MESOPHYLL RESISTANCE     HENRY'S
LAW COEFFICIENT
       NAME        (cm**2/s)                                            (s/cm)
(dimensionless)
      -------     -----------      ----------      ----------    --------------------     ---------
--------------

!          SO2 =     0.1509,         1000.,            8.,                0.,                  0.04
!
!          NOX =     0.1656,            1.,            8.,                5.,                   3.5
!
!         HNO3 =     0.1628,            1.,           18.,                0.,            0.00000008
!

!END!


-------------------------------------------------------------------------------


INPUT GROUP: 8 -- Size parameters for dry deposition of particles
--------------

     For SINGLE SPECIES, the mean and standard deviation are used to
     compute a deposition velocity for NINT (see group 9) size-ranges,
     and these are then averaged to obtain a mean deposition velocity.

     For GROUPED SPECIES, the size distribution should be explicitly
     specified (by the 'species' in the group), and the standard deviation
     for each should be entered as 0.  The model will then use the
     deposition velocity for the stated mean diameter.

      SPECIES      GEOMETRIC MASS MEAN        GEOMETRIC STANDARD
       NAME             DIAMETER                  DEVIATION
                        (microns)                 (microns)
```

```
      -------      -------------------        ------------------
!          SO4 =          0.48,                      2.   !
!          NO3 =          0.48,                      2.   !
!         PM10 =          0.48,                      2.   !

!END!


-------------------------------------------------------------------------------


INPUT GROUP: 9 -- Miscellaneous dry deposition parameters
--------------

     Reference cuticle resistance (s/cm)
     (RCUTR)                           Default: 30    !  RCUTR = 30.0 !
     Reference ground resistance  (s/cm)
     (RGR)                             Default: 10    !    RGR = 5.0 !
     Reference pollutant reactivity
     (REACTR)                          Default: 8     ! REACTR = 8.0 !

     Number of particle-size intervals used to
     evaluate effective particle deposition velocity
     (NINT)                            Default: 9     !   NINT =  9  !

     Vegetation state in unirrigated areas
     (IVEG)                            Default: 1     !   IVEG =  1   !
        IVEG=1 for active and unstressed vegetation
        IVEG=2 for active and stressed vegetation
        IVEG=3 for inactive vegetation

!END!


-------------------------------------------------------------------------------


INPUT GROUP: 10 -- Wet Deposition Parameters
---------------


                      Scavenging Coefficient -- Units: (sec)**(-1)

       Pollutant      Liquid Precip.       Frozen Precip.
       ---------      --------------       --------------
!          SO2 =         3.0E-05,             0.0E00 !
!          SO4 =         1.0E-04,            3.0E-05 !
!         HNO3 =         6.0E-05,             0.0E00 !
!          NO3 =         1.0E-04,            3.0E-05 !
!         PM10 =         1.0E-04,            3.0E-05 !

!END!


-------------------------------------------------------------------------------


INPUT GROUP: 11 -- Chemistry Parameters
---------------

     Ozone data input option (MOZ)     Default: 1            ! MOZ =  0   !
     (Used only if MCHEM = 1, 3, or 4)
        0 = use a monthly background ozone value
        1 = read hourly ozone concentrations from
            the OZONE.DAT data file

     Monthly ozone concentrations
     (Used only if MCHEM = 1, 3, or 4 and
      MOZ = 0 or MOZ = 1 and all hourly O3 data missing)
     (BCKO3) in ppb                    Default: 12*80.
     !  BCKO3 = 23.25, 29.00, 32.25, 38.75, 48.20, 64.60, 71.60, 71.00, 62.40, 47.80, 28.00, 32.40
!

     Monthly ammonia concentrations
     (Used only if MCHEM = 1, or 3)
     (BCKNH3) in ppb                   Default: 12*10.
     !  BCKNH3 = 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00, 10.00
!
```

```
     Nighttime SO2 loss rate (RNITE1)
     in percent/hour                   Default: 0.2          ! RNITE1 = .2 !

     Nighttime NOx loss rate (RNITE2)
     in percent/hour                   Default: 2.0          ! RNITE2 = 2.0 !

     Nighttime HNO3 formation rate (RNITE3)
     in percent/hour                   Default: 2.0          ! RNITE3 = 2.0 !

     H2O2 data input option (MH2O2)    Default: 1            ! MH2O2 =  1   !
     (Used only if MAQCHEM = 1)
        0 = use a monthly background H2O2 value
        1 = read hourly H2O2 concentrations from
            the H2O2.DAT data file

     Monthly H2O2 concentrations
     (Used only if MQACHEM = 1 and
      MH2O2 = 0 or MH2O2 = 1 and all hourly H2O2 data missing)
     (BCKH2O2) in ppb                  Default: 12*1.
     !  BCKH2O2 = 1.00, 1.00, 1.00, 1.00, 1.00, 1.00, 1.00, 1.00, 1.00, 1.00, 1.00, 1.00 !


 --- Data for SECONDARY ORGANIC AEROSOL (SOA) Option
     (used only if MCHEM = 4)

     The SOA module uses monthly values of:
          Fine particulate concentration in ug/m^3 (BCKPMF)
          Organic fraction of fine particulate     (OFRAC)
          VOC / NOX ratio (after reaction)         (VCNX)
     to characterize the air mass when computing
     the formation of SOA from VOC emissions.
     Typical values for several distinct air mass types are:

        Month    1    2    3    4    5    6    7    8    9   10   11   12
                Jan  Feb  Mar  Apr  May  Jun  Jul  Aug  Sep  Oct  Nov  Dec

     Clean Continental
        BCKPMF   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
        OFRAC  .15  .15  .20  .20  .20  .20  .20  .20  .20  .20  .20  .15
        VCNX    50.  50.  50.  50.  50.  50.  50.  50.  50.  50.  50.  50.

     Clean Marine (surface)
        BCKPMF  .5   .5   .5   .5   .5   .5   .5   .5   .5   .5   .5   .5
        OFRAC  .25  .25  .30  .30  .30  .30  .30  .30  .30  .30  .30  .25
        VCNX    50.  50.  50.  50.  50.  50.  50.  50.  50.  50.  50.  50.

     Urban - low biogenic (controls present)
        BCKPMF  30.  30.  30.  30.  30.  30.  30.  30.  30.  30.  30.  30.
        OFRAC  .20  .20  .25  .25  .25  .25  .25  .25  .20  .20  .20  .20
        VCNX     4.   4.   4.   4.   4.   4.   4.   4.   4.   4.   4.   4.

     Urban - high biogenic (controls present)
        BCKPMF  60.  60.  60.  60.  60.  60.  60.  60.  60.  60.  60.  60.
        OFRAC  .25  .25  .30  .30  .30  .55  .55  .55  .35  .35  .35  .25
        VCNX    15.  15.  15.  15.  15.  15.  15.  15.  15.  15.  15.  15.

     Regional Plume
        BCKPMF  20.  20.  20.  20.  20.  20.  20.  20.  20.  20.  20.  20.
        OFRAC  .20  .20  .25  .35  .25  .40  .40  .40  .30  .30  .30  .20
        VCNX    15.  15.  15.  15.  15.  15.  15.  15.  15.  15.  15.  15.

     Urban - no controls present
        BCKPMF 100. 100. 100. 100. 100. 100. 100. 100. 100. 100. 100. 100.
        OFRAC  .30  .30  .35  .35  .35  .55  .55  .55  .35  .35  .35  .30
        VCNX     2.   2.   2.   2.   2.   2.   2.   2.   2.   2.   2.   2.

     Default: Clean Continental
     !  BCKPMF = 1.00, 1.00, 1.00, 1.00, 1.00, 1.00, 1.00, 1.00, 1.00, 1.00, 1.00, 1.00 !
     !  OFRAC  = 0.15, 0.15, 0.20, 0.20, 0.20, 0.20, 0.20, 0.20, 0.20, 0.20, 0.20, 0.15 !
     !  VCNX   = 50.00, 50.00, 50.00, 50.00, 50.00, 50.00, 50.00, 50.00, 50.00, 50.00, 50.00, 50.00
!


!END!


-------------------------------------------------------------------------------
```

```
INPUT GROUP: 12 -- Misc. Dispersion and Computational Parameters
---------------

     Horizontal size of puff (m) beyond which
     time-dependent dispersion equations (Heffter)
     are used to determine sigma-y and
     sigma-z (SYTDEP)                          Default: 550.   ! SYTDEP = 5.5E02 !

     Switch for using Heffter equation for sigma z
     as above (0 = Not use Heffter; 1 = use Heffter
     (MHFTSZ)                                  Default: 0      ! MHFTSZ =  0   !

     Stability class used to determine plume
     growth rates for puffs above the boundary
     layer (JSUP)                              Default: 5      ! JSUP =  5   !

     Vertical dispersion constant for stable
     conditions (k1 in Eqn. 2.7-3)  (CONK1)    Default: 0.01   ! CONK1 = .01 !

     Vertical dispersion constant for neutral/
     unstable conditions (k2 in Eqn. 2.7-4)
     (CONK2)                                   Default: 0.1    ! CONK2 = .1 !

     Factor for determining Transition-point from
     Schulman-Scire to Huber-Snyder Building Downwash
     scheme (SS used for Hs < Hb + TBD * HL)
     (TBD)                                     Default: 0.5    ! TBD = .5 !
        TBD < 0   ==> always use Huber-Snyder
        TBD = 1.5 ==> always use Schulman-Scire
        TBD = 0.5 ==> ISC Transition-point

     Range of land use categories for which
     urban dispersion is assumed
     (IURB1, IURB2)                            Default: 10     ! IURB1 =  10  !
                                                        19     ! IURB2 =  19  !

     Site characterization parameters for single-point Met data files ---------
     (needed for METFM = 2,3,4)

        Land use category for modeling domain
        (ILANDUIN)                             Default: 20     ! ILANDUIN =  20  !

        Roughness length (m) for modeling domain
        (Z0IN)                                 Default: 0.25   ! Z0IN = .25 !

        Leaf area index for modeling domain
        (XLAIIN)                               Default: 3.0    ! XLAIIN = 3.0 !

        Elevation above sea level (m)
        (ELEVIN)                               Default: 0.0    ! ELEVIN = 100.0 !

        Latitude (degrees) for met location
        (XLATIN)                               Default: -999.  ! XLATIN = 36.78 !

        Longitude (degrees) for met location
        (XLONIN)                               Default: -999.  ! XLONIN = 119.72 !

     Specialized information for interpreting single-point Met data files -----

        Anemometer height (m) (Used only if METFM = 2,3)
        (ANEMHT)                               Default: 10.    ! ANEMHT = 10.0 !

        Form of lateral turbulance data in PROFILE.DAT file
        (Used only if METFM = 4 or MTURBVW = 1 or 3)
        (ISIGMAV)                              Default: 1      ! ISIGMAV =  1  !
            0 = read sigma-theta
            1 = read sigma-v

        Choice of mixing heights (Used only if METFM = 4)
        (IMIXCTDM)                             Default: 0      ! IMIXCTDM =  0  !
            0 = read PREDICTED mixing heights
            1 = read OBSERVED mixing heights

     Maximum length of a slug (met. grid units)
     (XMXLEN)                                  Default: 1.0    ! XMXLEN = 1.0 !
```

```
Maximum travel distance of a puff/slug (in
grid units) during one sampling step
(XSAMLEN)                                   Default: 1.0    ! XSAMLEN = 1.0 !

Maximum Number of slugs/puffs release from
one source during one time step
(MXNEW)                                     Default: 99     ! MXNEW =  99   !

Maximum Number of sampling steps for
one puff/slug during one time step
(MXSAM)                                     Default: 99     ! MXSAM =  99   !

Number of iterations used when computing
the transport wind for a sampling step
that includes gradual rise (for CALMET
and PROFILE winds)
(NCOUNT)                                    Default: 2      ! NCOUNT =  2   !

Minimum sigma y for a new puff/slug (m)
(SYMIN)                                     Default: 1.0    ! SYMIN = 1.0  !

Minimum sigma z for a new puff/slug (m)
(SZMIN)                                     Default: 1.0    ! SZMIN = 1.0  !

Default minimum turbulence velocities
sigma-v and sigma-w for each
stability class (m/s)
(SVMIN(6) and SWMIN(6))     Default SVMIN : .50,  .50,  .50,  .50,  .50,  .50
                            Default SWMIN : .20,  .12,  .08,  .06,  .03,  .016

                         Stability Class :  A     B     C     D     E     F
                                           ---   ---   ---   ---   ---   ---
                                  ! SVMIN = 0.500, 0.500, 0.500, 0.500, 0.500, 0.500!
                                  ! SWMIN = 0.200, 0.120, 0.080, 0.060, 0.030, 0.016!

Divergence criterion for dw/dz across puff
used to initiate adjustment for horizontal
convergence (1/s)
Partial adjustment starts at CDIV(1), and
full adjustment is reached at CDIV(2)
(CDIV(2))                                   Default: 0.0,0.0  ! CDIV = .0, .0 !

Minimum wind speed (m/s) allowed for
non-calm conditions. Also used as minimum
speed returned when using power-law
extrapolation toward surface
(WSCALM)                                    Default: 0.5    ! WSCALM = .5 !

Maximum mixing height (m)
(XMAXZI)                                    Default: 3000.  ! XMAXZI = 3000.0 !

Minimum mixing height (m)
(XMINZI)                                    Default: 50.    ! XMINZI = 50.0 !

Default wind speed classes --
5 upper bounds (m/s) are entered;
the 6th class has no upper limit
(WSCAT(5))                       Default   :
                                 ISC RURAL : 1.54, 3.09, 5.14, 8.23, 10.8 (10.8+)

                          Wind Speed Class :  1     2     3     4     5
                                             ---   ---   ---   ---   ---
                                    ! WSCAT = 1.54, 3.09, 5.14, 8.23, 10.80 !

Default wind speed profile power-law
exponents for stabilities 1-6
(PLX0(6))                        Default   : ISC RURAL values
                                 ISC RURAL : .07, .07, .10, .15, .35, .55
                                 ISC URBAN : .15, .15, .20, .25, .30, .30

                         Stability Class :  A     B     C     D     E     F
                                           ---   ---   ---   ---   ---   ---
                                     ! PLX0 = 0.07, 0.07, 0.10, 0.15, 0.35, 0.55 !

Default potential temperature gradient
for stable classes E, F (degK/m)
(PTG0(2))                        Default: 0.020, 0.035
                                    ! PTG0 = 0.020,   0.035 !
```

```
Default plume path coefficients for
each stability class (used when option
for partial plume height terrain adjustment
is selected -- MCTADJ=3)
(PPC(6))                  Stability Class :  A     B     C     D     E     F
                             Default  PPC : .50,  .50,  .50,  .50,  .35,  .35
                                            ---   ---   ---   ---   ---   ---
                                   !  PPC = 0.50, 0.50, 0.50, 0.50, 0.35, 0.35 !

Slug-to-puff transition criterion factor
equal to sigma-y/length of slug
(SL2PF)                              Default: 10.        ! SL2PF = 10.0 !

Puff-splitting control variables ------------------------

  VERTICAL SPLIT
  --------------

  Number of puffs that result every time a puff
  is split - nsplit=2 means that 1 puff splits
  into 2
  (NSPLIT)                           Default:   3        ! NSPLIT =  3  !

  Time(s) of a day when split puffs are eligible to
  be split once again; this is typically set once
  per day, around sunset before nocturnal shear develops.
  24 values: 0 is midnight (00:00) and 23 is 11 PM (23:00)
  0=do not re-split    1=eligible for re-split
  (IRESPLIT(24))                     Default:  Hour 17 = 1
  !  IRESPLIT = 0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,0,0,0,0,0,0 !

  Split is allowed only if last hour's mixing
  height (m) exceeds a minimum value
  (ZISPLIT)                          Default: 100.       ! ZISPLIT = 100.0 !

  Split is allowed only if ratio of last hour's
  mixing ht to the maximum mixing ht experienced
  by the puff is less than a maximum value (this
  postpones a split until a nocturnal layer develops)
  (ROLDMAX)                          Default: 0.25       ! ROLDMAX = 0.25 !


  HORIZONTAL SPLIT
  ----------------

  Number of puffs that result every time a puff
  is split - nsplith=5 means that 1 puff splits
  into 5
  (NSPLITH)                          Default:   5        ! NSPLITH =  5  !

  Minimum sigma-y (Grid Cells Units) of puff
  before it may be split
  (SYSPLITH)                         Default:  1.0       ! SYSPLITH = 1.0 !

  Minimum puff elongation rate (SYSPLITH/hr) due to
  wind shear, before it may be split
  (SHSPLITH)                         Default:  2.        ! SHSPLITH = 2.0 !

  Minimum concentration (g/m^3) of each
  species in puff before it may be split
  Enter array of NSPEC values; if a single value is
  entered, it will be used for ALL species
  (CNSPLITH)                         Default:  1.0E-07   ! CNSPLITH = 1.0E-07 !

Integration control variables ------------------------

  Fractional convergence criterion for numerical SLUG
  sampling integration
  (EPSSLUG)                          Default:   1.0e-04  ! EPSSLUG = 1.0E-04 !

  Fractional convergence criterion for numerical AREA
  source integration
  (EPSAREA)                          Default:   1.0e-06  ! EPSAREA = 1.0E-06 !

  Trajectory step-length (m) used for numerical rise
  integration
  (DSRISE)                           Default:   1.0      ! DSRISE = 1.0 !
```

```
       Boundary Condition (BC) Puff control variables ------------------------

       Minimum height (m) to which BC puffs are mixed as they are emitted
       (MBCON=2 ONLY).  Actual height is reset to the current mixing height
       at the release point if greater than this minimum.
       (HTMINBC)                          Default:   500.     ! HTMINBC = 500.0 !

       Search radius (in BC segment lengths) about a receptor for sampling
       nearest BC puff.  BC puffs are emitted with a spacing of one segment
       length, so the search radius should be greater than 1.
       (RSAMPBC)                          Default:   4.      ! RSAMPBC = 10.0 !

       Near-Surface depletion adjustment to concentration profile used when
       sampling BC puffs?
       (MDEPBC)                           Default:   1        ! MDEPBC =  1  !
          0 = Concentration is NOT adjusted for depletion
          1 = Adjust Concentration for depletion

!END!


-------------------------------------------------------------------------------


INPUT GROUPS: 13a, 13b, 13c, 13d -- Point source parameters
--------------------------------

---------------
Subgroup (13a)
---------------

     Number of point sources with
     parameters provided below      (NPT1)  No default  !  NPT1 =  4  !

     Units used for point source
     emissions below                (IPTU)  Default: 1  !  IPTU =   3  !
           1 =        g/s
           2 =       kg/hr
           3 =       lb/hr
           4 =     tons/yr
           5 =     Odour Unit * m**3/s  (vol. flux of odour compound)
           6 =     Odour Unit * m**3/min
           7 =     metric tons/yr

     Number of source-species
     combinations with variable
     emissions scaling factors
     provided below in (13d)        (NSPT1) Default: 0  !  NSPT1 =  0  !

     Number of point sources with
     variable emission parameters
     provided in external file      (NPT2)  No default  !  NPT2 =  0  !

     (If NPT2 > 0, these point
     source emissions are read from
     the file: PTEMARB.DAT)

!END!

---------------
Subgroup (13b)
---------------
                                    a
          POINT SOURCE: CONSTANT DATA
          ----------------------------
                                                                        b          c
  Source       X         Y       Stack    Base     Stack    Exit  Exit    Bldg.  Emission
   No.     Coordinate Coordinate Height Elevation Diameter  Vel.  Temp.   Dwash   Rates
              (km)      (km)       (m)      (m)       (m)  (m/s) (deg. K)
  ------   ---------- ---------- ------  ------   -------- ----- -------- ----- --------
   1 ! SRCNAM = CTN !
   1 ! X = 269.9666,4053.0369,   45.72,  99.7,      5.49, 23.70,  363.7,  1.0, 1.66  , 8.3E-01,
22.58,
       0.0E00,  0.0E00,  9.7E00, 0.0, 0.0, 2.4275, 6.4525!
   1 ! FMFAC  =      1.0 !   !END!
   2 ! SRCNAM = CTS !
   2 ! X = 269.9657, 4052.991,   45.72,  99.7,      5.49, 23.70,  363.7,  1.0, 1.66  , 8.3E-01,
```

```
22.58,
       0.0E00,  0.0E00,   9.7E00, 0.0, 0.0, 2.4275, 6.4525!
   2 ! FMFAC  =      1.0 !   !END!
   3 ! SRCNAM = AUXBOIL !
   3 ! X = 269.9182,4052.9761,   30.48,  99.7,      1.07, 10.31,  435.9,  1.0, .01    , .005   ,
.12,
       0.0E00,  0.0E00, .11, 0.0, 0.0, .0275, .0775    !
   3 ! FMFAC  =      1.0 !   !END!
   4 ! SRCNAM = COOL !
   4 ! X = 270.0754,4053.0576,   24.38,  99.7,      7.92, 15.07,  300.4,  1.0, 0.0E00,  0.0E00,
0.0E00,
       0.0E00,  0.0E00, 5.6E-01, 0.0, 0.0, 0.0, 0.0 !
   4 ! FMFAC  =      1.0 !   !END!
```

…..END OF PARTIAL LISTING….

POSTUTIL SAMPLE INPUT FILE – DEPOSITION

```
KRCD CPP 1986-1990: total deposition fluxes (wet & dry)
Nitrogen deposition due to NO, NO2, HNO3, NH4NO3, and (NH4)2SO4
Sulfur deposition due to SO2, (NH4)2SO4
---------------- Run title (3 lines) ----------------------------------------

                    POSTUTIL MODEL CONTROL FILE
                    ---------------------------

------------------------------------------------------------------------------

INPUT GROUP: 0 -- Input and Output File Names
--------------

-------------
Subgroup (0a)
-------------

Output Files
------------

 File            Default File Name
 ----            -----------------
 List File       POSTUTIL.LST       ! UTLLST =2S15bdp.LST   !
 Data File       MODEL.DAT          ! UTLDAT =2S15bdp.dat    !


Input Files
-----------

 Meteorological data files are needed for the HNO3/NO3 partition option.
 The met data file is the 'CALMET.DAT' format file used in the CALPUFF
 simulation.  If multiple CALMET files had been used in sequence, you
 may list all of these files in subgroup 0b.  Specify the total number
 of CALMET files runs you need to use, and provide the filename for each
 in subgroup 0b.

     Number of CALMET data files (NFILES)
                                     Default: 0       ! NMET    = 1   !


 A number of CALPUFF data files may be processed in this application.
 The files may represent individual CALPUFF simulations that were made
 for a specific set of species and/or sources.  Specify the total number
 of CALPUFF runs you wish to combine, and provide the filename for each
 in subgroup 0b.

     Number of CALPUFF data files (NFILES)
                                     Default: 1       ! NFILES  = 2   !


 All filenames will be converted to lower case if LCFILES = T
 Otherwise, if LCFILES = F, filenames will be converted to UPPER CASE

     Convert filenames to lower case?  Default: T     ! LCFILES = T !
         T = lower case
         F = UPPER CASE

!END!

------------------------------------------------------------
 NOTE: file/path names can be up to 70 characters in length
------------------------------------------------------------

-------------
Subgroup (0b)
-------------

NMET CALMET Data Files:

Input File      Default File Name
----------      -----------------
   1            MET.DAT            ! UTLMET = fres8690.asc ! !END!


Iput File      Default File Name
----------      -----------------
```

```
   1            CALPUFF.DAT        ! MODDAT =1s15baw.dat      ! !END!
   2            (none)             ! MODDAT =1s15bad.dat      ! !END!


-------------
Note:  provide NMET lines of the form   * UTLMET = name * *END*
       and NFILES lines of the form     * MODDAT = name * *END*
       where the * should be replaced with an exclamation point,
       the special delimiter character.


-------------------------------------------------------------------------------

INPUT GROUP: 1 -- General run control parameters
-------------

     Starting date:    Year  (ISYR) --    No default   ! ISYR  = 1986 !
                       Month (ISMO) --    No default   ! ISMO  = 1   !
                       Day   (ISDY) --    No default   ! ISDY  = 1   !
                       Hour  (ISHR) --    No default   ! ISHR  = 1   !

     Number of periods to process
                                (NPER) -- No default   ! NPER  = 43824   !

     Number of species to process from CALPUFF runs
                           (NSPECINP) -- No default   ! NSPECINP = 5 !

     Number of species to write to output file
                           (NSPECOUT) -- No default   ! NSPECOUT = 7 !

     Number of species to compute from those modeled
     (must be no greater than NSPECOUT)
                           (NSPECCMP) -- No default   ! NSPECCMP = 2 !


 When multiple files are used, a species name may appear in more than
 one file.  Data for this species will be summed (appropriate if the
 CALPUFF runs use different source groups).  If this summing is not
 appropriate, remove duplicate species from the file(s).

     Stop run if duplicate species names
     are found? (MDUPLCT)            Default: 0       ! MDUPLCT  =  0  !
        0 = no  (i.e., duplicate species are summed)
        1 = yes (i.e., run is halted)

 Data for each species in a CALPUFF data file may also be scaled as
 they are read.  This can be done to alter the emission rate of all
 sources that were modeled in a particular CALPUFF application.
 The scaling factor for each species is entered in Subgroup (2d), for
 each file for which scaling is requested.

     Number of CALPUFF data files that will be scaled
     (must be no greater than NFILES)
     (NSCALED)                       Default: 0       ! NSCALED = 0 !


 Option to recompute the HNO3/NO3 concentration partition prior to
 performing other actions.  This option will NOT alter any deposition
 fluxes contained in the CALPUFF file(s).  Two partition selections
 are provided.  The first (MNITRATE=1) computes the partition for the
 TOTAL (all sources) concentration fields (SO4, NO3, HNO3; NH3), and
 the second (MNITRATE=2) uses this partition (from a previous application
 of POSTUTIL) to compute the partition for individual source groups.

 Required information for MNITRATE=1 includes:
           species NO3, HNO3, and SO4
           NH3 concentration(s)
           met. data file for RH and T

 Required information for MNITRATE=2 includes:
           species NO3 and HNO3 for a source group
           species NO3ALL and HNO3ALL for all source groups, properly
                   partitioned

     Recompute the HNO3/NO3 partition for concentrations?
     (MNITRATE)                      Default: 0       ! MNITRATE  =  0  !
        0 = no
        1 = yes, for all sources combined
```

```
        2 = yes, for a source group

     Ammonia concentrations may be available as a modeled species in
     the CALPUFF files.  When NH3 is listed as a processed species in
     Subgroup (2a) (as one of the NSPECINP ASPECI entries), the
     modeled values will be used in the chemical equilibrium calculation.
     If NH3 is not on this list, the default background value listed
     below will be used.
     Default ammonia concentration (ppb) used for HNO3/NO3 partition:
     (BCKNH3) in ppb                Default: 10.     ! BCKNH3 = 1. !

!END!
-------------------------------------------------------------------------------

INPUT GROUP: 2 -- Species Processing Information
--------------

-------------
Subgroup (2a)
-------------

  The following NSPECINP species will be processed:

! ASPECI =          SO2 !         !END!
! ASPECI =          SO4 !         !END!
! ASPECI =          NOX !         !END!
! ASPECI =         HNO3 !         !END!
! ASPECI =          NO3 !         !END!


-------------
Subgroup (2b)
-------------

  The following NSPECOUT species will be written:

! ASPECO =          SO2 !         !END!
! ASPECO =          SO4 !         !END!
! ASPECO =          NOX !         !END!
! ASPECO =         HNO3 !         !END!
! ASPECO =          NO3 !         !END!
! ASPECO =            N !         !END!
! ASPECO =            S !         !END!

-------------
Subgroup (2c)
-------------

  The following NSPECCMP species will be computed by scaling and summing
  one or more of the processed input species.  Identify the name(s) of
  the computed species and provide the scaling factors for each of the
  NSPECINP input species (NSPECCMP groups of NSPECINP+1 lines each):

! CSPECCMP =        N !
!     SO2  =     0.0 !
!     SO4  =     0.292 !
!     NOX  =     0.304 !
!    HNO3  =     0.222 !
!     NO3  =     0.452 !
!END!

! CSPECCMP =        S !
!     SO2  =     0.500 !
!     SO4  =     0.333 !
!     NOX  =     0.0 !
!    HNO3  =     0.0 !
!     NO3  =     0.0 !
!END!


-------------
Subgroup (2d)
-------------

  Each species in NSCALED CALPUFF data files may be scaled before being
  processed (e.g., to change the emission rate for all sources modeled
  in the run that produced a data file).  For each file, identify the
  file name and then provide the name(s) of the scaled species and the
```

```
  corresponding scaling factors (A,B where x' = Ax+B).

               A(Default=1.0)      B(Default=0.0)
               --------------      --------------

! MODDAT =NOFILES.DAT    !
!     SO2  =      1.0,                 0.0   !
!     SO4  =      1.0,                 0.0   !
!    HNO3  =      1.0,                 0.0   !
!     NO3  =      1.0,                 0.0   !
!END!
```

CALPOST SAMPLE INPUT FILE - VISIBILITY

```
SEQUOIA: Calpost Visibility Input file
KRCD CPP (SEQUOIA F(RH)), SIEMENS, case 4a, Scen A
FRESNO MET 1986-1990, EPA "NATURAL CONDITIONS"
---------------- Run title (3 lines) ------------------------------------------

                    CALPOST MODEL CONTROL FILE
                    --------------------------

-------------------------------------------------------------------------------

INPUT GROUP: 0 -- Input and Output File Names
--------------

Input Files
-----------

File                      Default File Name
----                      -----------------
Conc/Dep Flux File        MODEL.DAT          ! MODDAT =1S14AAS.DAT   !
Relative Humidity File    VISB.DAT           * VISDAT =   *
Background Data File      BACK.DAT           *BACKDAT =   *
Transmissometer/          VSRN.DAT           *VSRDAT =   *
Nephelometer Data File

Output Files
------------

File                      Default File Name
----                      -----------------
List File                 CALPOST.LST        ! PSTLST =3SSEAADV.LST   !

Pathname for Timeseries Files   (blank)      * TSPATH =   *
(activate with exclamation points only if
providing NON-BLANK character string)

Pathname for Plot Files   (blank)            * PLPATH =   *
(activate with exclamation points only if
 providing NON-BLANK character string)

User Character String (U) to augment default filenames
(activate with exclamation points only if
 providing NON-BLANK character string)

Timeseries                TSttUUUU.DAT       * TSUNAM =   *

Top Nth Rank Plot         RttUUUUU.DAT
                      or  RttiiUUU.GRD       * TUNAM =   *

Exceedance Plot           XttUUUUU.DAT
                      or  XttUUUUU.GRD       * XUNAM =   *

Echo Plot                 jjjtthhU.DAT
(Specific Days)       or  jjjtthhU.GRD       * EUNAM =   *

Visibility Plot           V24UUUUU.DAT       * VUNAM =   *
(Daily Peak Summary)

-------------------------------------------------------------------------------
All file names will be converted to lower case if LCFILES = T
Otherwise, if LCFILES = F, file names will be converted to UPPER CASE
         T = lower case      ! LCFILES = F !
         F = UPPER CASE
NOTE: (1) file/path names can be up to 70 characters in length
NOTE: (2) Filenames for ALL PLOT and TIMESERIES FILES are constructed
          using a template that includes a pathname, user-supplied
          character(s), and fixed strings (tt,ii,jjj, and hh), where
                tt = Averaging Period (e.g. 03)
                ii = Rank (e.g. 02)
                jjj= Julian Day
                hh = Hour(ending)
          are determined internally based on selections made below.
          If a path or user-supplied character(s) are supplied, each
          must contain at least 1 non-blank character.

!END!
-------------------------------------------------------------------------------
```

```
INPUT GROUP: 1 -- General run control parameters
--------------

     Option to run all periods found
     in the met. file(s)  (METRUN)        Default: 0   ! METRUN =   1  !

         METRUN = 0 - Run period explicitly defined below
         METRUN = 1 - Run all periods in CALPUFF data file(s)

     Starting date:    Year  (ISYR) --    No default   ! ISYR  =  1986   !
     (used only if     Month (ISMO) --    No default   ! ISMO  =  0   !
      METRUN = 0)      Day   (ISDY) --    No default   ! ISDY  =  0   !
                       Hour  (ISHR) --    No default   ! ISHR  =  0   !

     Number of hours to process (NHRS) -- No default   ! NHRS  =  0  !

     Process every hour of data?(NREP) -- Default: 1   ! NREP  =  1  !
      (1 = every hour processed,
       2 = every 2nd hour processed,
       5 = every 5th hour processed, etc.)

Species & Concentration/Deposition Information
----------------------------------------------

      Species to process (ASPEC)       -- No default   ! ASPEC = VISIB  !
      (ASPEC = VISIB for visibility processing)

      Layer/deposition code (ILAYER)   -- Default: 1   ! ILAYER =  1  !
        '1'  for CALPUFF concentrations,
        '-1' for dry deposition fluxes,
        '-2' for wet deposition fluxes,
        '-3' for wet+dry deposition fluxes.

      Scaling factors of the form:     -- Defaults:    ! A =  0.0    !
            X(new) = X(old) * A + B         A = 0.0    ! B =  0.0    !
        (NOT applied if A = B = 0.0)        B = 0.0

      Add Hourly Background Concentrations/Fluxes?
                              (LBACK)  -- Default: F   ! LBACK =  F !

Receptor information
--------------------

  Gridded receptors processed?    (LG) -- Default: F   ! LG  = F  !
  Discrete receptors processed?   (LD) -- Default: F   ! LD  = T  !
  CTSG Complex terrain receptors processed?
                                  (LCT) -- Default: F   ! LCT = F  !

--Report results by DISCRETE receptor RING?
  (only used when LD = T)     (LDRING) -- Default: F   ! LDRING = F  !

--Select range of DISCRETE receptors (only used when LD = T):

  Select ALL DISCRETE receptors by setting NDRECP flag to -1;
                                 OR
  Select SPECIFIC DISCRETE receptors by entering a flag (0,1) for each
     0 = discrete receptor not processed
     1 = discrete receptor processed
  using repeated value notation to select blocks of receptors:
     23*1, 15*0, 12*1
  Flag for all receptors after the last one assigned is set to 0
  (NDRECP) -- Default: -1
 ! NDRECP = 180*0, 180*1  !


--Select range of GRIDDED receptors (only used when LG = T):

       X index of LL corner (IBGRID) -- Default: -1     ! IBGRID = -1  !
           (-1 OR 1 <= IBGRID <= NX)

       Y index of LL corner (JBGRID) -- Default: -1     ! JBGRID = -1  !
           (-1 OR 1 <= JBGRID <= NY)

       X index of UR corner (IEGRID) -- Default: -1     ! IEGRID = -1  !
           (-1 OR 1 <= IEGRID <= NX)

       Y index of UR corner (JEGRID) -- Default: -1     ! JEGRID = -1  !
```

```
          (-1 OR 1 <= JEGRID <= NY)

  Note: Entire grid is processed if IBGRID=JBGRID=IEGRID=JEGRID=-1


--Specific gridded receptors can also be excluded from CALPOST
  processing by filling a processing grid array with 0s and 1s.  If the
  processing flag for receptor index (i,j) is 1 (ON), that receptor
  will be processed if it lies within the range delineated by IBGRID,
  JBGRID,IEGRID,JEGRID and if LG=T. If it is 0 (OFF), it will not be
  processed in the run.  By default, all array values are set to 1 (ON).

  Number of gridded receptor rows provided in Subgroup (1a) to
  identify specific gridded receptors to process
                          (NGONOFF) -- Default: 0      ! NGONOFF =  0  !

!END!


--------------
Subgroup (1a) -- Specific gridded receptors included/excluded
--------------

    Specific gridded receptors are excluded from CALPOST processing
    by filling a processing grid array with 0s and 1s.  A total of
    NGONOFF lines are read here.  Each line corresponds to one 'row'
    in the sampling grid, starting with the NORTHERNMOST row that
    contains receptors that you wish to exclude, and finishing with
    row 1 to the SOUTH (no intervening rows may be skipped).  Within
    a row, each receptor position is assigned either a 0 or 1,
    starting with the westernmost receptor.
       0 = gridded receptor not processed
       1 = gridded receptor processed

    Repeated value notation may be used to select blocks of receptors:
       23*1, 15*0, 12*1

    Because all values are initially set to 1, any receptors north of
    the first row entered, or east of the last value provided in a row,
    remain ON.

    (NGXRECP) -- Default: 1


-------------------------------------------------------------------------------

INPUT GROUP: 2 -- Visibility Parameters (ASPEC = VISIB)
--------------

    Maximum relative humidity (%) used in particle growth curve
                              (RHMAX) -- Default: 98   ! RHMAX  = 95.0 !

    Modeled species to be included in computing the light extinction
     Include SULFATE?          (LVSO4) -- Default: T   ! LVSO4  = T  !
     Include NITRATE?          (LVNO3) -- Default: T   ! LVNO3  = T  !
     Include ORGANIC CARBON?   (LVOC)  -- Default: T   ! LVOC   = T  !
     Include COARSE PARTICLES? (LVPMC) -- Default: T   ! LVPMC  = F  !
     Include FINE PARTICLES?   (LVPMF) -- Default: T   ! LVPMF  = F  !
     Include ELEMENTAL CARBON? (LVEC)  -- Default: T   ! LVEC   = T  !

    And, when ranking for TOP-N, TOP-50, and Exceedance tables,
     Include BACKGROUND?       (LVBK)  -- Default: T   ! LVBK   = T  !

    Species name used for particulates in MODEL.DAT file
                   COARSE    (SPECPMC) -- Default: PMC ! SPECPMC = PMC !
                   FINE      (SPECPMF) -- Default: PMF ! SPECPMF = PMF !

Extinction Efficiency (1/Mm per ug/m**3)
----------------------------------------
    MODELED particulate species:
               PM  COARSE      (EEPMC) -- Default: 0.6 ! EEPMC  = 0.6 !
               PM  FINE        (EEPMF) -- Default: 1.0 ! EEPMF  = 1.0 !
    BACKGROUND particulate species:
               PM  COARSE    (EEPMCBK) -- Default: 0.6 ! EEPMCBK = 0.6 !
    Other species:
              AMMONIUM SULFATE (EESO4) -- Default: 3.0 ! EESO4  = 3.0 !
              AMMONIUM NITRATE (EENO3) -- Default: 3.0 ! EENO3  = 3.0 !
              ORGANIC CARBON   (EEOC)  -- Default: 4.0 ! EEOC   = 4.0 !
```

```
            SOIL             (EESOIL)-- Default: 1.0 ! EESOIL = 1.0 !
            ELEMENTAL CARBON (EEEC)  -- Default: 10. ! EEEC   = 10.0 !

Background Extinction Computation
---------------------------------

    Method used for background light extinction
                            (MVISBK) -- Default: 2   ! MVISBK =  6  !

         1 =  Supply single light extinction and hygroscopic fraction
              - IWAQM (1993) RH adjustment applied to hygroscopic background
                and modeled sulfate and nitrate
         2 =  Compute extinction from speciated PM measurements (A)
              - Hourly RH adjustment applied to observed and modeled sulfate
                and nitrate
              - RH factor is capped at RHMAX
         3 =  Compute extinction from speciated PM measurements (B)
              - Hourly RH adjustment applied to observed and modeled sulfate
                and nitrate
              - Receptor-hour excluded if RH>RHMAX
              - Receptor-day excluded if fewer than 6 valid receptor-hours
         4 =  Read hourly transmissometer background extinction measurements
              - Hourly RH adjustment applied to modeled sulfate and nitrate
              - Hour excluded if measurement invalid (missing, interference,
                or large RH)
              - Receptor-hour excluded if RH>RHMAX
              - Receptor-day excluded if fewer than 6 valid receptor-hours
         5 =  Read hourly nephelometer background extinction measurements
              - Rayleigh extinction value (BEXTRAY) added to measurement
              - Hourly RH adjustment applied to modeled sulfate and nitrate
              - Hour excluded if measurement invalid (missing, interference,
                or large RH)
              - Receptor-hour excluded if RH>RHMAX
              - Receptor-day excluded if fewer than 6 valid receptor-hours
         6 =  Compute extinction from speciated PM measurements
              - FLAG RH adjustment factor applied to observed and
                modeled sulfate and nitrate

    Additional inputs used for MVISBK = 1:
    --------------------------------------
     Background light extinction (1/Mm)
                            (BEXTBK) -- No default   ! BEXTBK = 0.0 !
     Percentage of particles affected by relative humidity
                            (RHFRAC) -- No default   ! RHFRAC = 0.0 !

    Additional inputs used for MVISBK = 6:
    --------------------------------------
     Extinction coefficients for hygroscopic species (modeled and
     background) are computed using a monthly RH adjustment factor
     in place of an hourly RH factor (VISB.DAT file is NOT needed).
     Enter the 12 monthly factors here (RHFAC).  Month 1 is January.

     (RHFAC)  -- No default     ! RHFAC = 2.9, 2.6, 2.5, 2.2,
                                          2.1, 1.8, 1.7, 1.7,
                                          1.8, 1.9, 2.3, 2.5 !

    Additional inputs used for MVISBK = 2,3,6:
    ------------------------------------------
     Background extinction coefficients are computed from monthly
     CONCENTRATIONS of ammonium sulfate (BKSO4), ammonium nitrate (BKNO3),
     coarse particulates (BKPMC), organic carbon (BKOC), soil (BKSOIL), and
     elemental carbon (BKEC).  Month 1 is January.
     (ug/m**3)

     (BKSO4)  -- No default     ! BKSO4 = 0.12, 0.12, 0.12, 0.12,
                                          0.12, 0.12, 0.12, 0.12,
                                          0.12, 0.12, 0.12, 0.12 !
     (BKNO3)  -- No default     ! BKNO3 = 0.1, 0.1, 0.1, 0.1,
                                          0.1, 0.1, 0.1, 0.1,
                                          0.1, 0.1, 0.1, 0.1 !
     (BKPMC)  -- No default     ! BKPMC = 3.0, 3.0, 3.0, 3.0,
                                          3.0, 3.0, 3.0, 3.0,
                                          3.0, 3.0, 3.0, 3.0 !
     (BKOC)   -- No default     ! BKOC  = 0.47, 0.47, 0.47, 0.47,
                                          0.47, 0.47, 0.47, 0.47,
                                          0.47, 0.47, 0.47, 0.47 !
     (BKSOIL) -- No default     ! BKSOIL= 0.5, 0.5, 0.5, 0.5,
                                          0.5, 0.5, 0.5, 0.5,
```

```
                                        0.5, 0.5, 0.5, 0.5 !
     (BKEC)   -- No default     ! BKEC  = 0.02, 0.02, 0.02, 0.02,
                                        0.02, 0.02, 0.02, 0.02,
                                        0.02, 0.02, 0.02, 0.02 !

    Additional inputs used for MVISBK = 2,3,5,6:
    ---------------------------------------
     Extinction due to Rayleigh scattering is added (1/Mm)
                           (BEXTRAY) -- Default: 10.0 ! BEXTRAY = 10.0 !

!END!
------------------------------------------------------------------------------

INPUT GROUP: 3 -- Output options
--------------

Documentation
-------------

    Documentation records contained in the header of the
    CALPUFF output file may be written to the list file.
    Print documentation image?
                              (LDOC) -- Default: F   !  LDOC = F !

Output Units
------------
    Units for All Output       (IPRTU) -- Default: 1   ! IPRTU =  1   !
                     for            for
                Concentration    Deposition
       1 =         g/m**3         g/m**2/s
       2 =        mg/m**3        mg/m**2/s
       3 =        ug/m**3        ug/m**2/s
       4 =        ng/m**3        ng/m**2/s
       5 =      Odour Units

    Visibility: extinction expressed in 1/Mega-meters (IPRTU is ignored)


Averaging time(s) reported
--------------------------

    1-hr averages           (L1HR) -- Default: T   !   L1HR = F  !

    3-hr averages           (L3HR) -- Default: T   !   L3HR = F  !

    24-hr averages         (L24HR) -- Default: T   !  L24HR = T  !

    Run-length averages    (LRUNL) -- Default: T   !  LRUNL = F  !

    User-specified averaging time in hours - results for
    an averaging time of NAVG hours are reported for
    NAVG greater than 0:
                            (NAVG) -- Default: 0   !   NAVG =  0  !


Types of tabulations reported
-----------------------------

   1) Visibility: daily visibility tabulations are always reported
                  for the selected receptors when ASPEC = VISIB.
                  In addition, any of the other tabulations listed
                  below may be chosen to characterize the light
                  extinction coefficients.
                  [List file or Plot/Analysis File]


   2) Top 50 table for each averaging time selected
      [List file only]
                            (LT50) -- Default: T   !   LT50 = T  !

   3) Top 'N' table for each averaging time selected
      [List file or Plot file]
                          (LTOPN) -- Default: F   !  LTOPN = T  !

        -- Number of 'Top-N' values at each receptor
           selected (NTOP must be <= 4)
                            (NTOP) -- Default: 4   ! NTOP =  1   !
```

```
        -- Specific ranks of 'Top-N' values reported
           (NTOP values must be entered)
                   (ITOP(4) array) -- Default:     ! ITOP =  1   !
                                      1,2,3,4


   4) Threshold exceedance counts for each receptor and each averaging
      time selected
      [List file or Plot file]
                        (LEXCD) -- Default: F   !  LEXCD = F  !

        -- Identify the threshold for each averaging time by assigning a
           non-negative value (output units).

                                 -- Default: -1.0
           Threshold for  1-hr averages   (THRESH1) !  THRESH1 = -1.0  !
           Threshold for  3-hr averages   (THRESH3) !  THRESH3 = -1.0  !
           Threshold for 24-hr averages  (THRESH24) ! THRESH24 = -1.0  !
           Threshold for NAVG-hr averages (THRESHN) !  THRESHN = -1.0  !


        -- Counts for the shortest averaging period selected can be
           tallied daily, and receptors that experience more than NCOUNT
           counts over any NDAY period will be reported.  This type of
           exceedance violation output is triggered only if NDAY > 0.

           Accumulation period(Days)
                           (NDAY) -- Default: 0   !    NDAY =  0  !
           Number of exceedances allowed
                          (NCOUNT) -- Default: 1   !  NCOUNT =  1  !


   5) Selected day table(s)

      Echo Option -- Many records are written each averaging period
      selected and output is grouped by day
      [List file or Plot file]
                        (LECHO) -- Default: F   !  LECHO = F  !

      Timeseries Option -- Averages at all selected receptors for
      each selected averaging period are written to timeseries files.
      Each file contains one averaging period, and all receptors are
      written to a single record each averaging time.
      [TSttUUUU.DAT files]
                        (LTIME) -- Default: F   !  LTIME = F  !

        -- Days selected for output
                     (IECHO(366)) -- Default: 366*0
           ! IECHO  = 366*0  !
           (366 values must be entered)

Plot output options
-------------------

     Plot files can be created for the Top-N, Exceedance, and Echo
     tables selected above.  Two formats for these files are available,
     DATA and GRID.  In the DATA format, results at all receptors are
     listed along with the receptor location [x,y,val1,val2,...].
     In the GRID format, results at only gridded receptors are written,
     using a compact representation.  The gridded values are written in
     rows (x varies), starting with the most southern row of the grid.
     The GRID format is given the .GRD extension, and includes headers
     compatible with the SURFER(R) plotting software.

     A plotting and analysis file can also be created for the daily
     peak visibility summary output, in DATA format only.

     Generate Plot file output in addition to writing tables
     to List file?
                              (LPLT) -- Default: F   ! LPLT  = T !

     Use GRID format rather than DATA format,
     when available?
                              (LGRD) -- Default: F   ! LGRD  = F !


Additional Debug Output
-----------------------
```

```
   Output selected information to List file
    for debugging?
                              (LDEBUG) -- Default: F  ! LDEBUG  = F !

!END!
```

Appendix Table 8.1-6-1
CLASS I F(RH) VALUES

Class I Area	Site Name	LAT	LONG	Jan f(RH)	Feb f(RH)	Mar f(RH)	Apr f(RH)	May f(RH)	Jun f(RH)	Jul f(RH)	Aug f(RH)	Sep f(RH)	Oct f(RH)	Nov f(RH)	Dec f(RH)
Kings Canyon	Sequoia	36.38	-118.87	2.9	2.6	2.5	2.2	2.1	1.8	1.7	1.7	1.8	1.9	2.3	2.5
Sequoia	Sequoia	36.38	-118.87	2.9	2.6	2.5	2.2	2.1	1.8	1.7	1.7	1.8	1.9	2.3	2.5
John Muir	Kaiser	37.13	-119.12	3	2.7	2.5	2.1	2	1.7	1.7	1.7	1.8	1.9	2.3	2.7
Kaiser	Kaiser	37.13	-119.12	3	2.7	2.5	2.1	2	1.7	1.7	1.7	1.8	1.9	2.3	2.7
Ansel Adams	Kaiser	37.65	119.2	3	2.7	2.4	2.1	1.9	1.7	1.6	1.6	1.6	1.8	2.3	2.7
Yosemite	Yosemite	37.63	-119.62	3	2.9	2.7	2.2	2.1	1.7	1.5	1.5	1.6	1.8	2.3	2.7
Dome Land	Dome Land	35.7	118.19	2.6	2.3	2.2	1.9	1.9	1.8	1.8	1.8	1.9	1.9	2	2.2
Pinnacles	Pinnacles	36.49	121.16	3.4	3.4	3.5	2.6	2.4	2.2	2.1	2.2	2.2	2.4	2.4	2.9
Hoover	Hoover	38.13	-119.12	3.1	2.7	2.5	2	1.9	1.6	1.5	1.5	1.6	1.8	2.3	2.8
Ventana	Pinnacles	36.22	121.59	3.4	3.4	3.5	2.6	2.4	2.2	2.1	2.2	2.2	2.4	2.4	2.9
Emigrant	Yosemite	37.63	-119.62	3	2.9	2.7	2.2	2.1	1.7	1.5	1.5	1.6	1.8	2.3	2.7

Source: USEPA, 2003. Guidance for Estimating Natural Visibility Conditions Under the Regional Haze Program. EPA-454/B-03-005. September.

Appendix Table 8.1-6-2
MONTHLY MEAN O3 (PPB)

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Pinnacles	2006	22	27	32	33	38	36	42	37	37	32	21	21
	2005	22	25	29	34	32	32	36	38	35	33	27	19
	2004	21	27	30	40	40	39	33	34	40	30	20	23
	2003	18	27	31	37	43	43	39	37	41	38	24	22
	2002	15	18	28	35	39	39	38	43	45	39	27	24
	AVERAGE	19.6	24.8	30	35.8	38.4	37.8	37.6	37.8	39.6	34.4	23.8	21.8
Sequoia/King Canyon Ash	2006	25	33	27	32	46	63	67	72	64	42	29	24
	2005	22	27	31	36	41	56	72	69	58	43	30	22
	2004	24	27	37	49	54	65	70	73	60	44	24	25
	2003					46	70	74	63	64	57	25	23
	2002	22	29	34	38	54	69	75	78	66	53	32	68
	AVERAGE	23.25	29	32.25	38.75	48.2	64.6	71.6	71	62.4	47.8	28	32.4
Yosemite/Turtleback Dome	2006	39	44	50	51	60	53	58	65	56	47	35	38
	2005	42	41	47	49	45	54	59	58	55	46	36	35
	2004	41	45	47	55	55	58	66	64	56	47	39	42
	2003	42	42	45	51	52	60	62	60	61	59	42	40
	2002	36	38	43	46	52	61	63	73	62	61	46	43
	AVERAGE	40	42	46.4	50.4	52.8	57.2	61.6	64	58	52	39.6	39.6

Source: National Park Service. 2007. **http://12.45.109.6/pls/portal/data_request.mainplot**. Last accessed February 10.

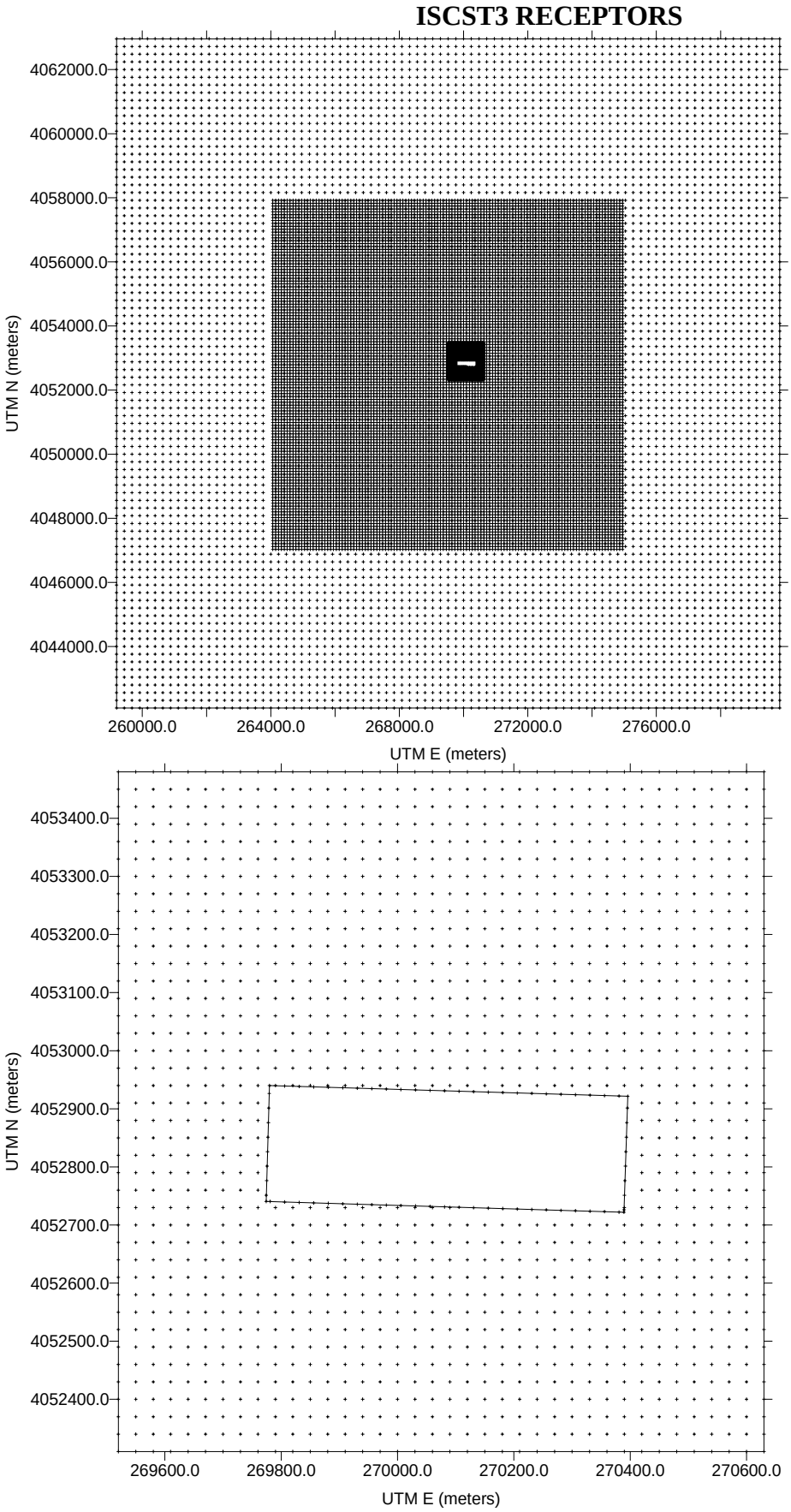

Figure A8.1-6- 15

CLASS II IMPACT RESULTS

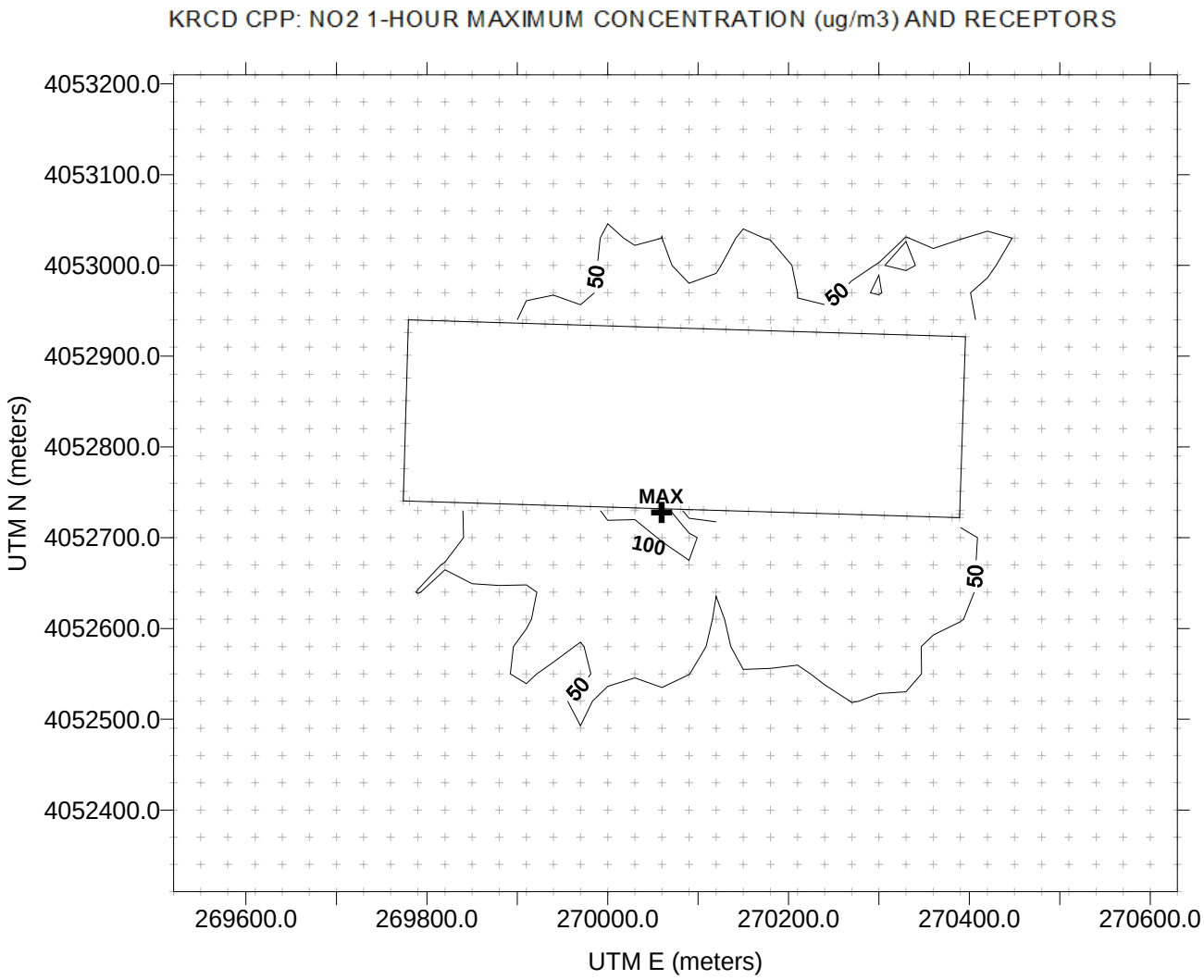

Figure A8.1-6- 16

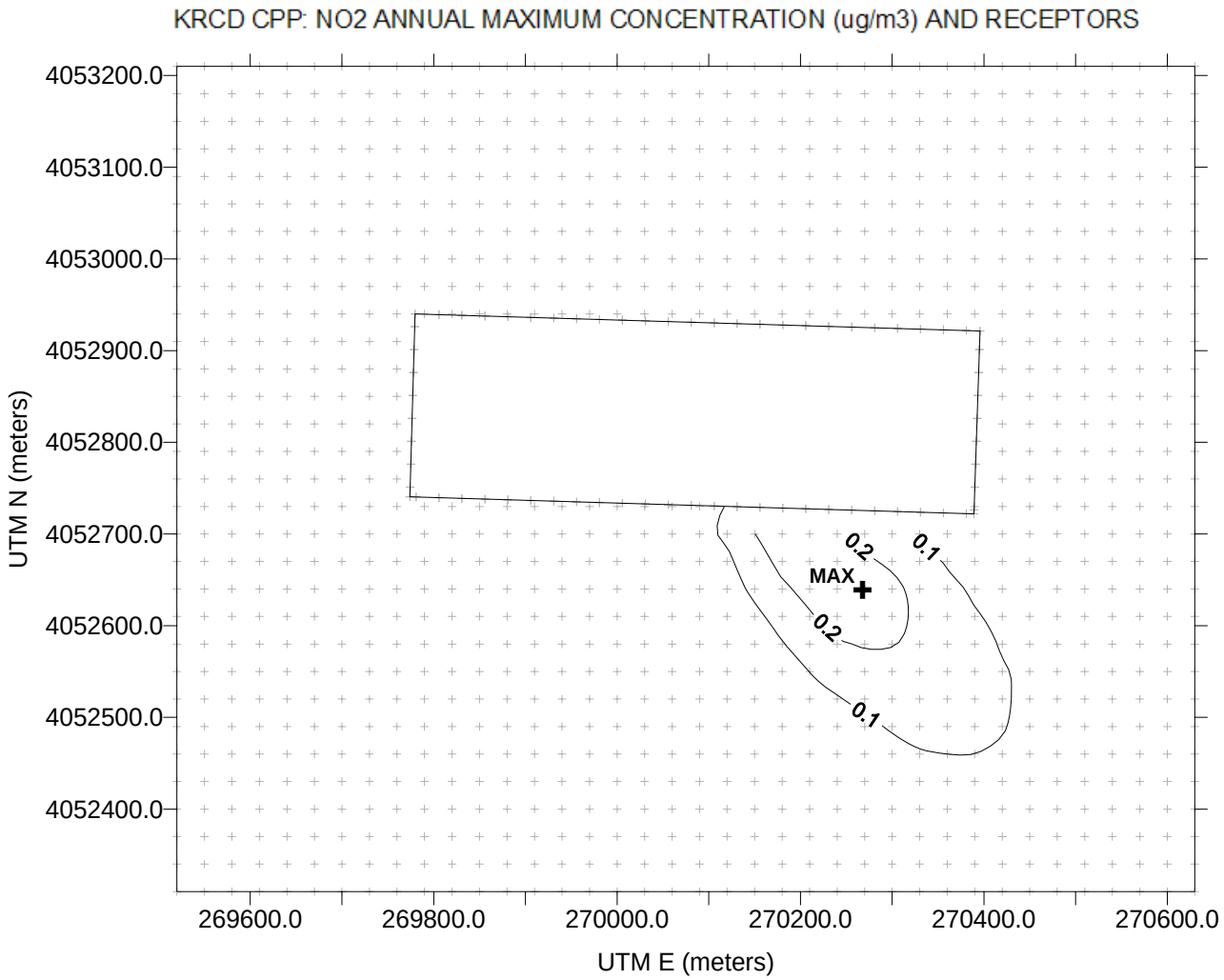

Figure A8.1-6- 17

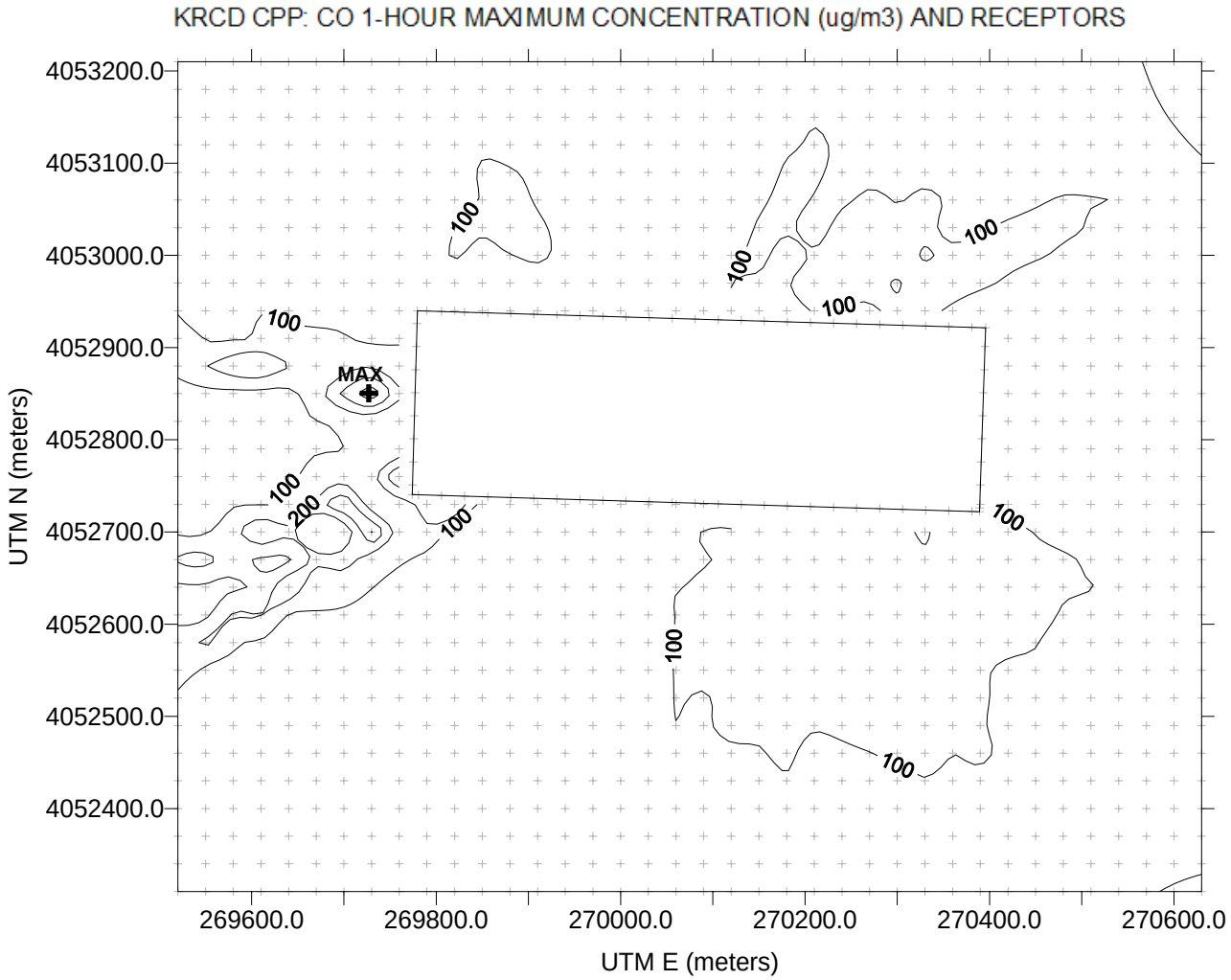

Figure A8.1-6- 18

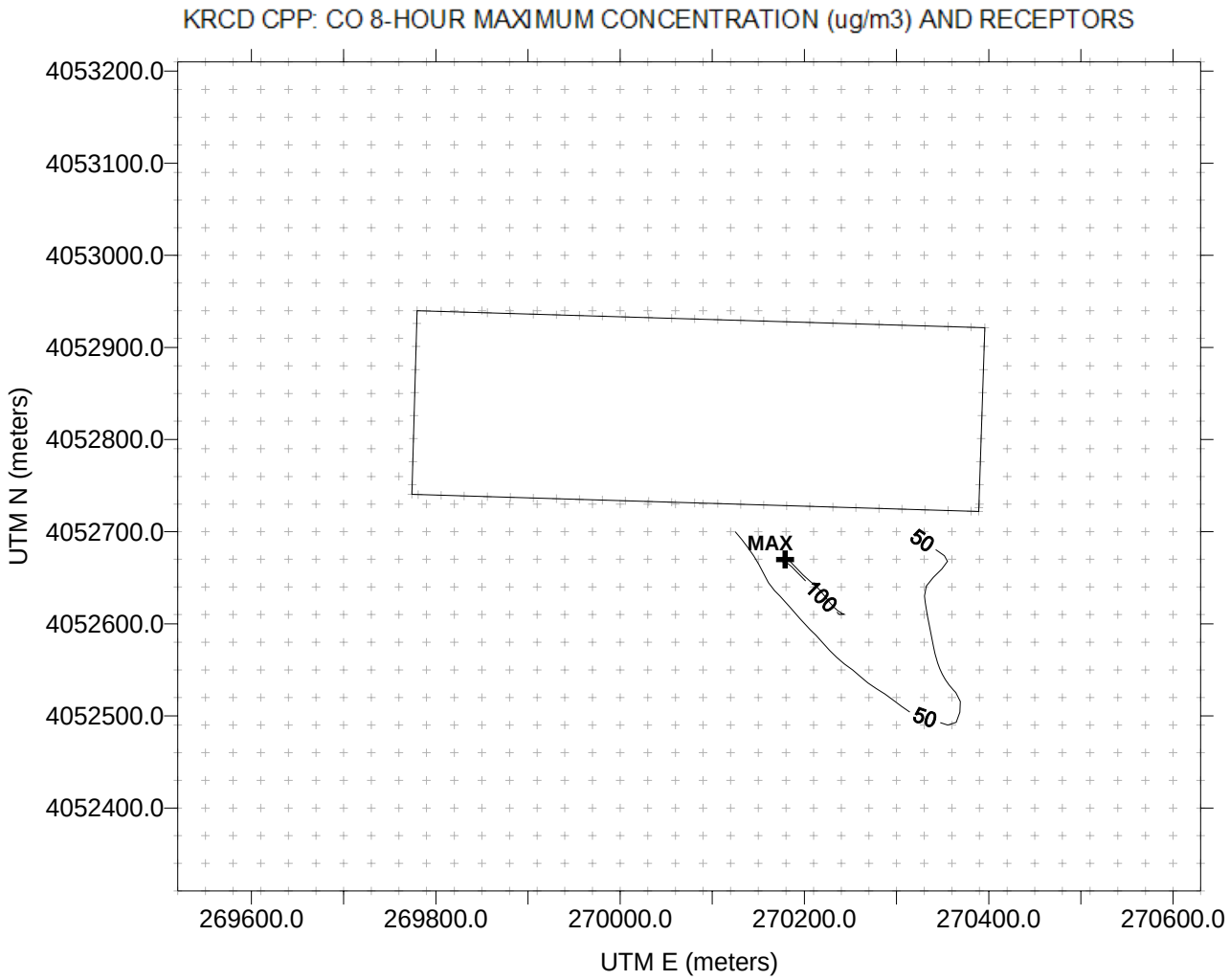

Figure A8.1-6- 19

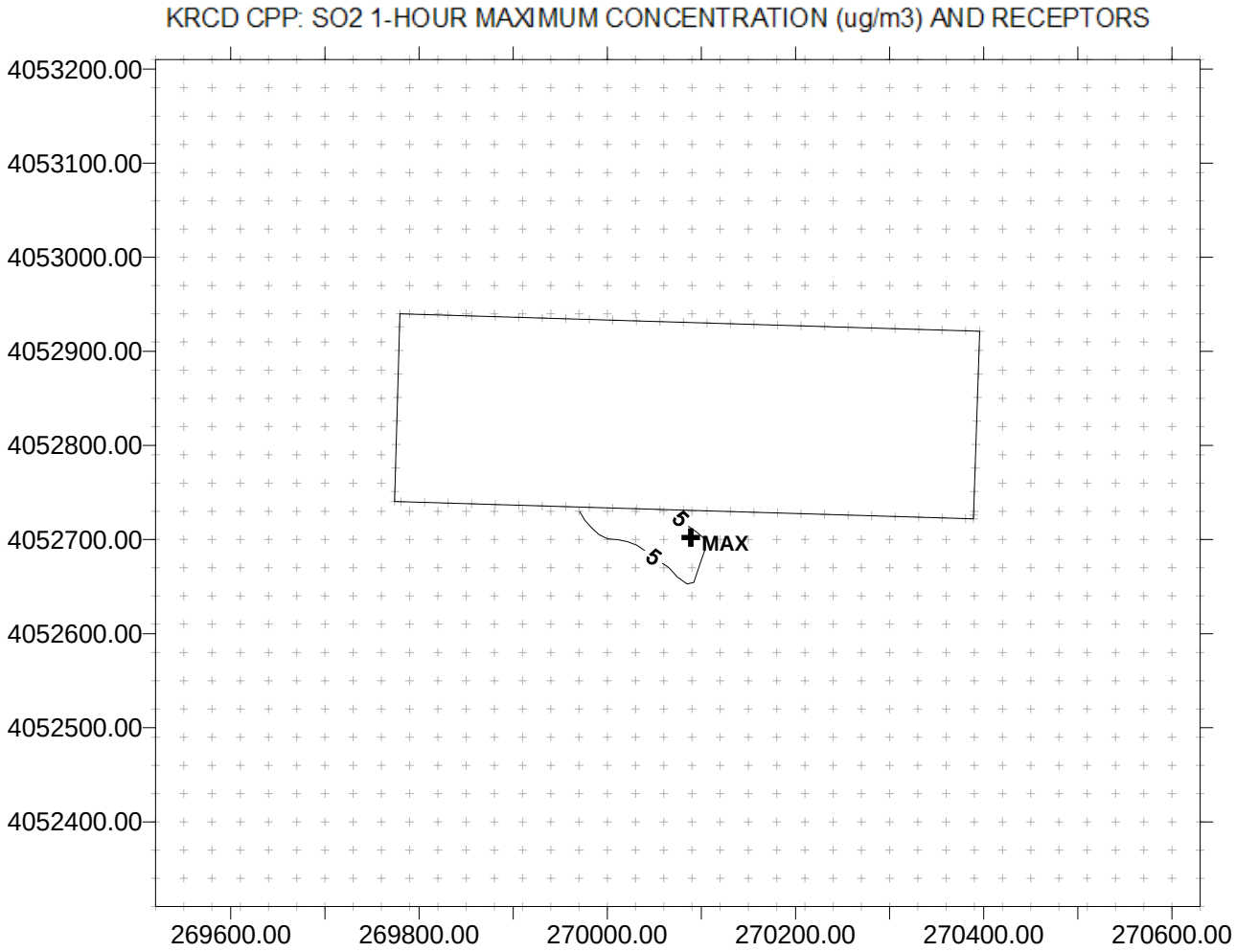

Figure A8.1-6- 20

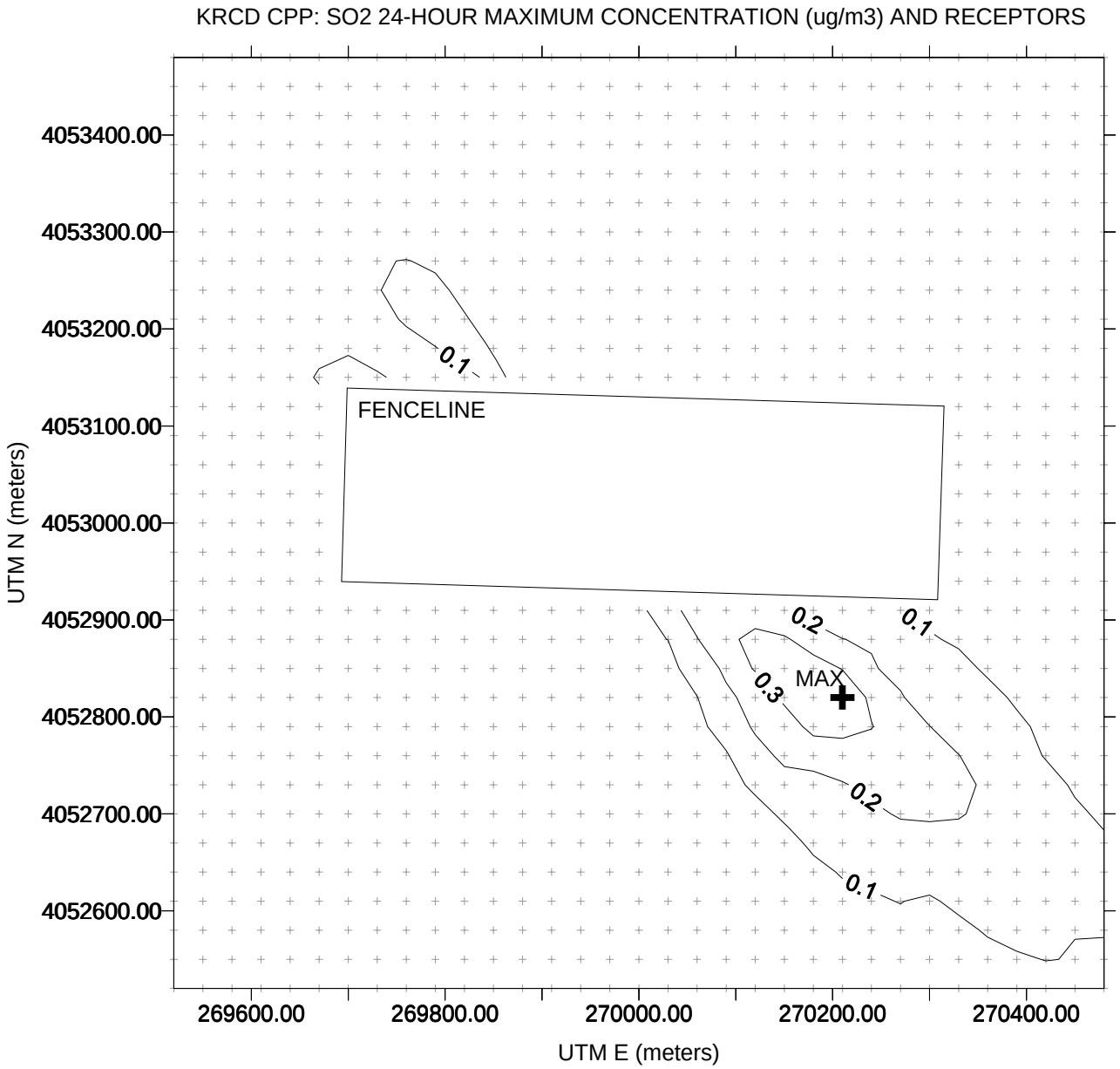

Figure A8.1-6- 21

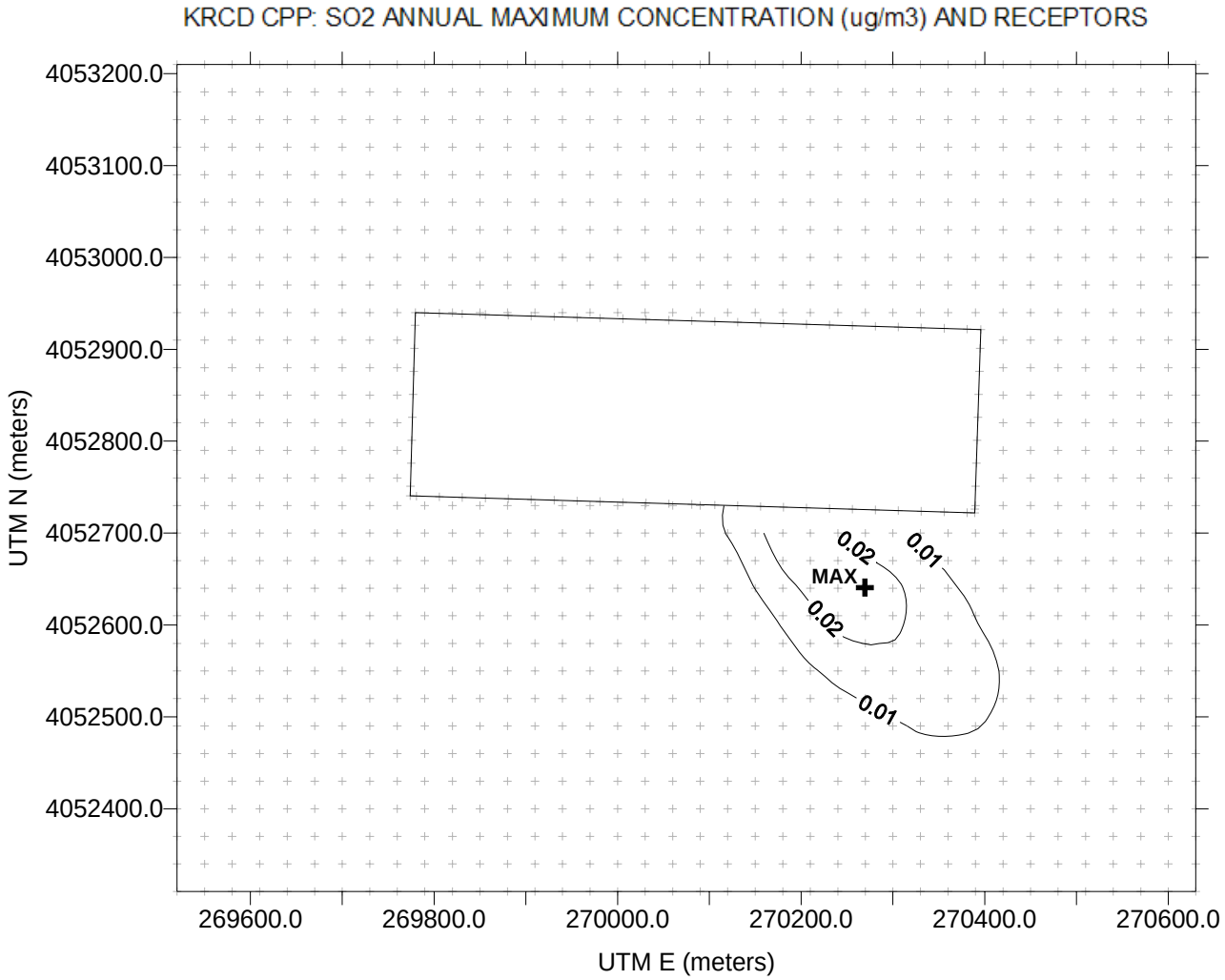

Figure A8.1-6- 22

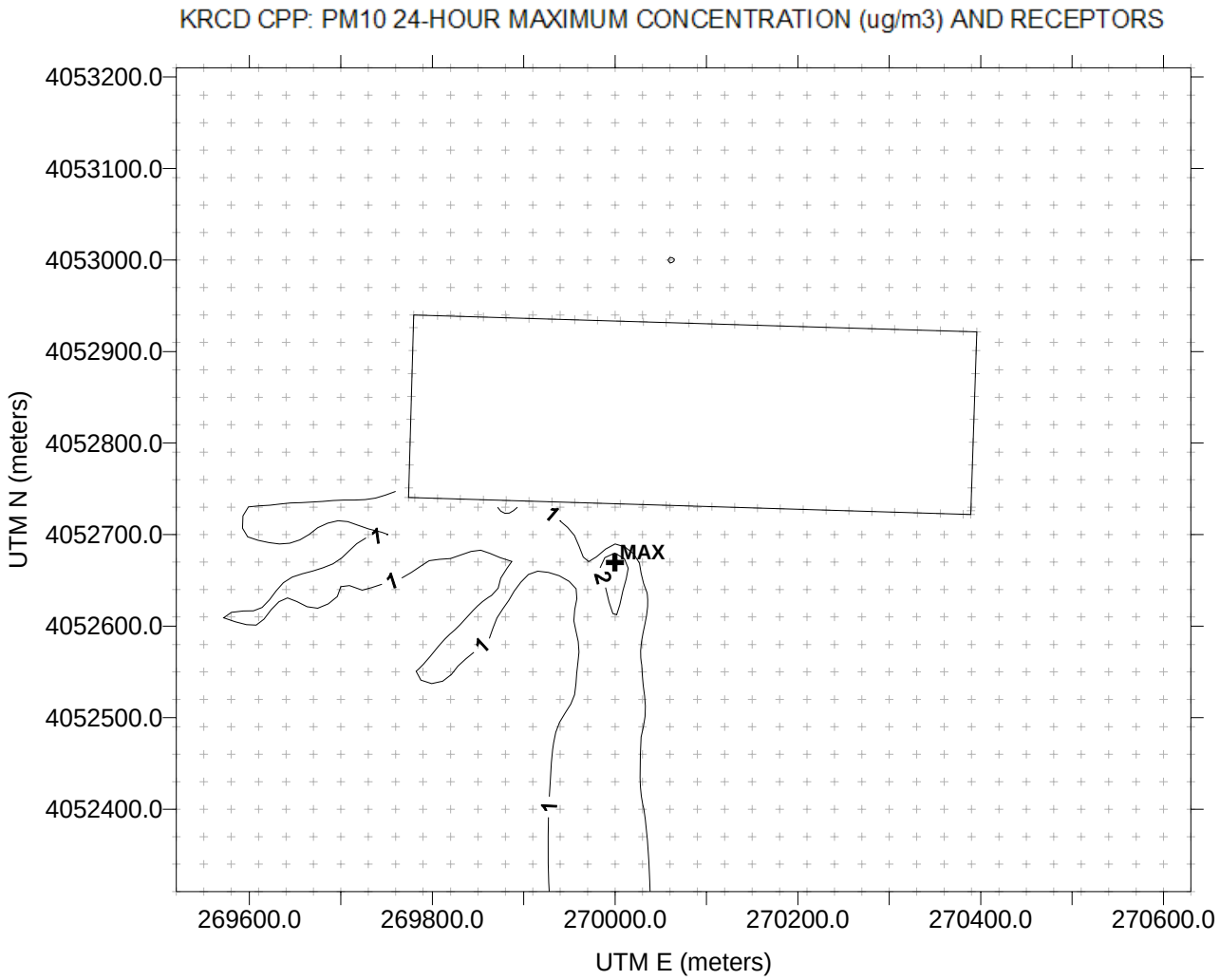

Figure A8.1-6- 23

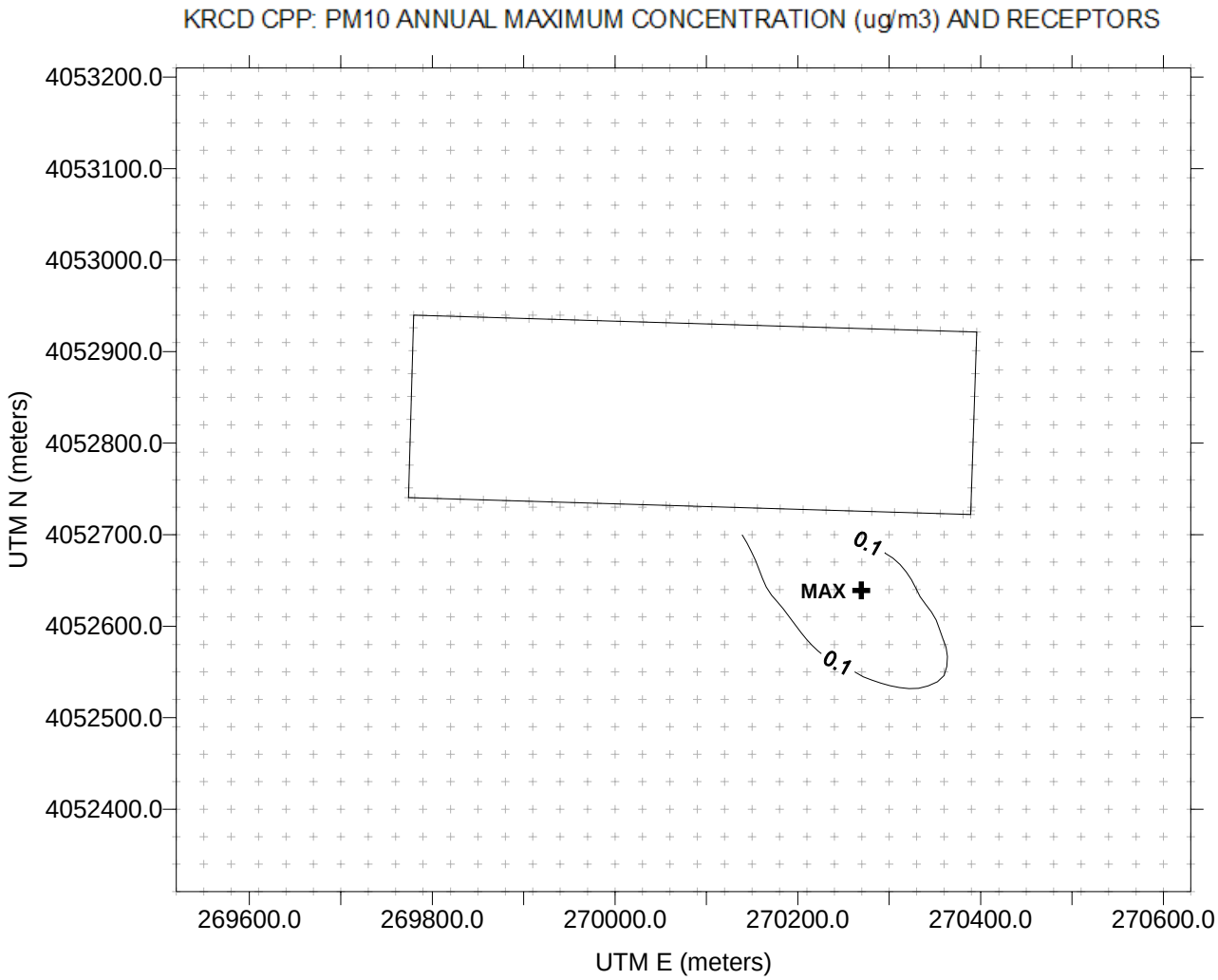

Figure A8.1-6- 24

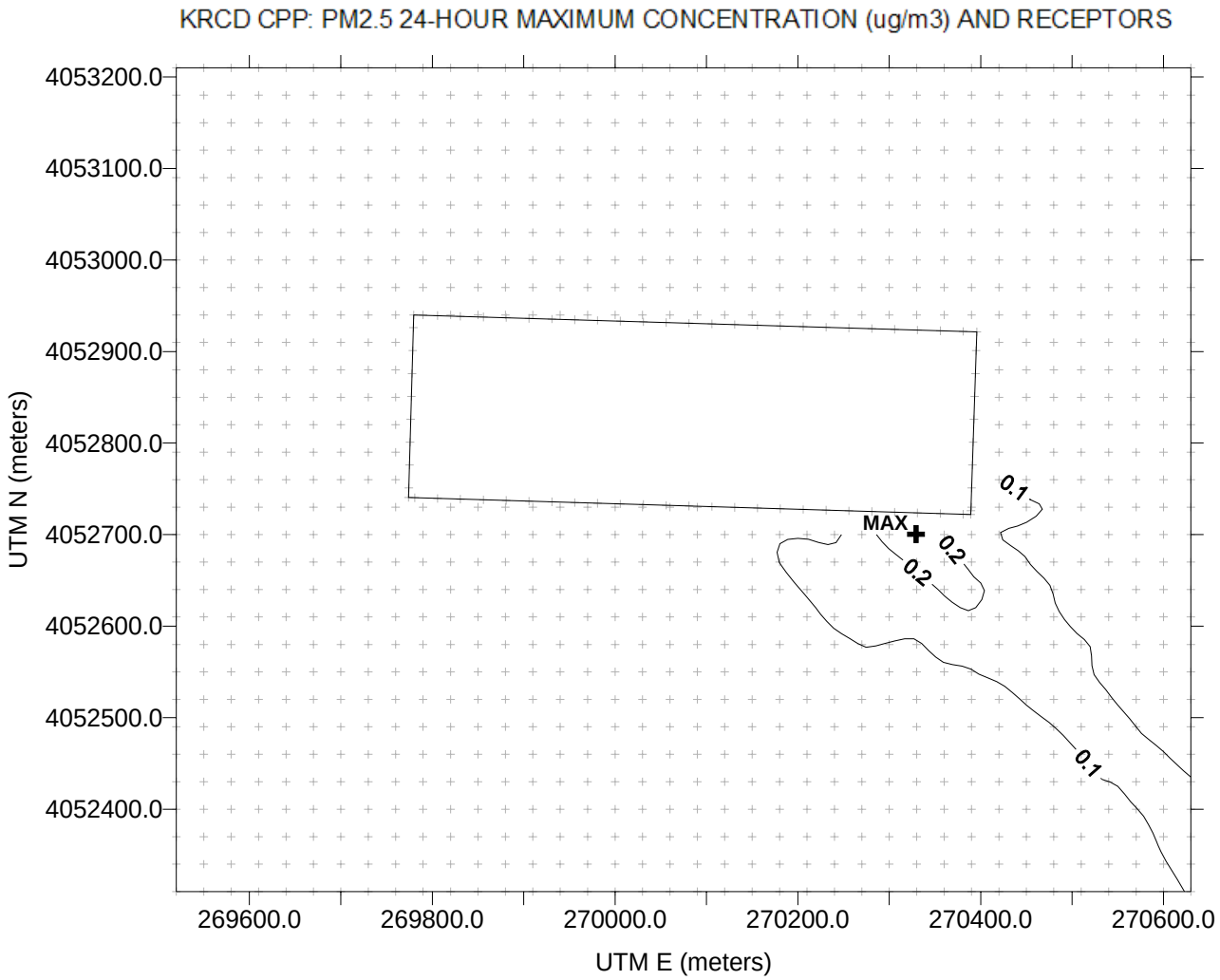

Figure A8.1-6- 25

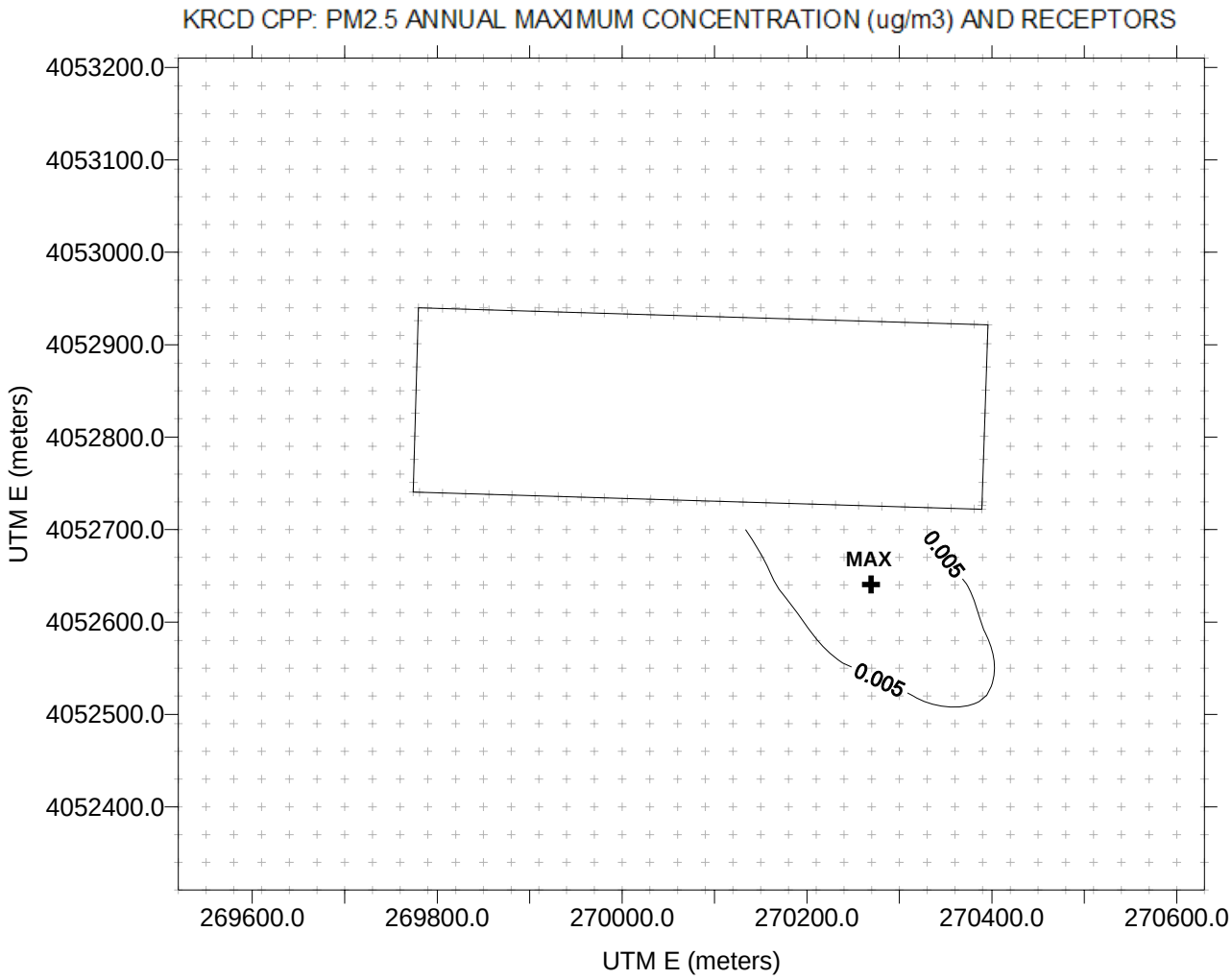

Figure A8.1-6- 26

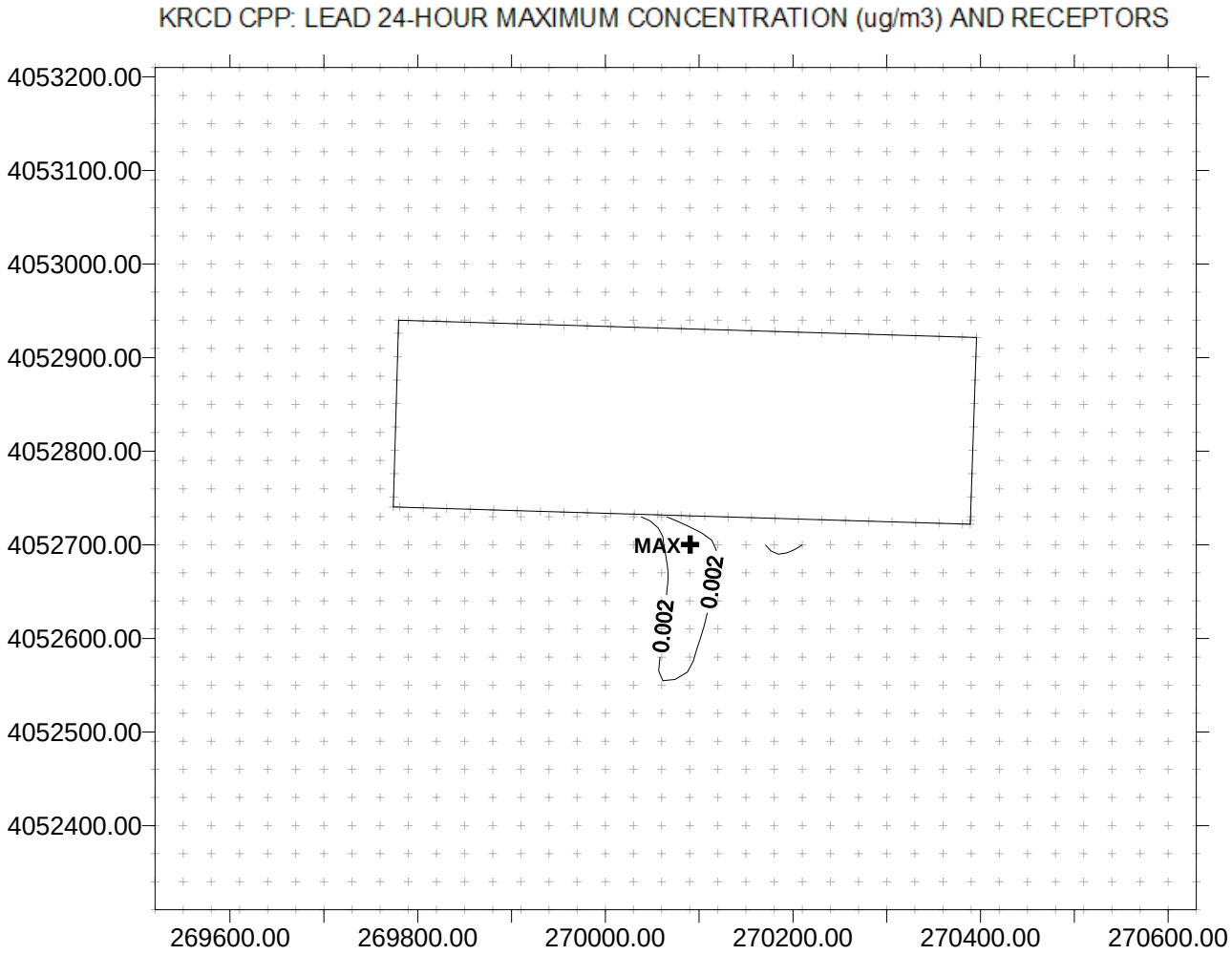

Figure A8.1-6- 27

GE MODELING OUTPUT SUMMARY

File Name	CASE/SCENARIO	EQUIPMENT	APPENDIX 8.1-5a EMISSION RATE TABLE	POLLUTANT	AVERAGING TIME	Highest conc	Date	UTM E (meters)	UTM N (meters)	Elevation (meters)
GOLM1AA.OUT	1a, A OLM	2 CT's, aux boil, DFP 30 min	Table 12	NO2	1-hr	134.45	89041316	270060	4052730	99
GOLM1AB.OUT	1a, B OLM	2 CT's, aux boil, DFP 30 min	Table 12	NO2	1-hr	134.45	89041316	270060	4052730	99
GOLM1AC.OUT	1a,C OLM	2 CT's, aux boil, DFP 30 min	Table 12	NO2	1-hr	134.45	89041316	270060	4052730	99
GOLM1AD.OUT	1a,D OLM	2 CT's, aux boil, DFP 30 min	Table 12	NO2	1-hr	134.45	89041316	270060	4052730	99
GOLM1AE.OUT	1a, E OLM	2 CT's, aux boil, DFP 30 min	Table 12	NO2	1-hr	134.45	89041316	270060	4052730	99
GOLM1AF.OUT	1a, F OLM	2 CT's, aux boil, DFP 30 min	Table 12	NO2	1-hr	134.45	89041316	270060	4052730	99
GCO1AA.OUT	1a, A	2 CT's, aux boil, EGEN 30 min	Table 12	CO	1-hr	460.42	89011303	269730	4052850	99
GCO1AB.OUT	1a, B	2 CT's, aux boil, EGEN 30 min	Table 12	CO	1-hr	460.42	89011303	269730	4052850	99
GCO1AC.OUT	1a,C	2 CT's, aux boil, EGEN 30 min	Table 12	CO	1-hr	460.41	89011303	269730	4052850	99
GCO1AD.OUT	1a,D	2 CT's, aux boil, EGEN 30 min	Table 12	CO	1-hr	460.41	89011303	269730	4052850	99
GCO1AE.OUT	1a, E	2 CT's, aux boil, EGEN 30 min	Table 12	CO	1-hr	460.4	89011303	269730	4052850	99
GCO1AF.OUT	1a, F	2 CT's, aux boil, EGEN 30 min	Table 12	CO	1-hr	460.36	89011303	269730	4052850	99
GSO21AA.OUT	1a, A	2 CT's, aux boil, DFP 30 min	Table 12	SO2	1-hr	7.7372	89032206	270090	4052700	99

File Name	CASE/SCENARIO	EQUIPMENT	APPENDIX 8.1-5a EMISSION RATE TABLE	POLLUTANT	AVERAGING TIME	Highest conc	Date	UTM E (meters)	UTM N (meters)	Elevation (meters)
GSO21AB.OUT	1a, B	2 CT's, aux boil, DFP 30 min	Table 12	SO2	1-hr	7.7372	89032206	270090	4052700	99
GSO21AC.OUT	1a,C	2 CT's, aux boil, DFP 30 min	Table 12	SO2	1-hr	7.7372	89032206	270090	4052700	99
GSO21AD.OUT	1a,D	2 CT's, aux boil, DFP 30 min	Table 12	SO2	1-hr	7.7372	89032206	270090	4052700	99
GSO21AE.OUT	1a, E	2 CT's, aux boil, DFP 30 min	Table 12	SO2	1-hr	7.7372	89032206	270090	4052700	99
GSO21AF.OUT	1a, F	2 CT's, aux boil, DFP 30 min	Table 12	SO2	1-hr	7.7372	89032206	270090	4052700	99
GCTBF.OUT	1b, F	1 CT (southern)	Table 13	X/Q	1-hr	4.877	89052720	270155.84	4052729	99.7
			lb/hr		3-hr	2.6188	89052324	270130.84	4052729.8	99.7
					8-hr	2.2993	89042124	270180	4052670	100
					24-hr	1.0509	89042124	270210	4052640	100
			174.4	NOx	1-hr	107.17				
			358.9	CO	1-hr	220.54				
			1.5	SO2	1-hr	0.9217				
	3b, F		358.9	CO	8-hr	103.98				
	4b, F		1.5	SO2	24-hr	0.1986				
			9	PM10	24-hr	1.1917				
			0.52	PM2.5	24-hr	0.0689				
GCTBFn.OUT	1b, F	1 CT (northern)	Table 13	X/Q	1-hr	4.6171	89052720	270270	4052700	101
			lb/hr		3-hr	2.7452	89042118	270180	4052700	100
					8-hr	2.2882	89042124	270270	4052640	100
					24-hr	1.0599	89042124	270270	4052640	100
			174.4	NOx	1-hr	101.46				
			358.9	CO	1-hr	208.79				
			1.5	SO2	1-hr	0.8726				
			358.9	CO	8-hr	103.47				
			1.5	SO2	24-hr	0.2003				
			9	PM10	24-hr	1.2019				

File Name	CASE/SCENARIO	EQUIPMENT	APPENDIX 8.1-5a EMISSION RATE TABLE	POLLUTANT	AVERAGING TIME	Highest conc	Date	UTM E (meters)	UTM N (meters)	Elevation (meters)
			0.52	PM2.5	24-hr	0.0694				
GPCTBE.OUT	1B, e	1 CT	Table 13	X/Q	1-hr	3.0278	89030217	270300	4052700	101
			lb/hr		3-hr	1.61	89082921	270240	4052580	100
					8-hr	1.413	89042124	270240	4052610	100
					24-hr	0.7008	89052424	270270	4052610	100
			174.4	NOx	1-hr	66.533				
			358.9	CO	1-hr	136.92				
			1.5	SO2	1-hr	0.5722				
GPCTBD.OUT	1B, D	1 CT	Table 13	X/Q	1-hr	2.493	89030217	270300	4052700	101
			lb/hr		3-hr	1.4145	89082921	270240	4052580	100
					8-hr	1.2694	89042124	270240	4052610	100
					24-hr	0.5955	89052424	270270	4052610	100
			174.4	NOx	1-hr	54.782				
			358.9	CO	1-hr	112.74				
			1.5	SO2	1-hr	0.4712				
GPCTBC.OUT	1B, C	1 CT	Table 13	X/Q	1-hr	2.5818	89030217	270300	4052700	101
			lb/hr		3-hr	1.4335	89082921	270240	4052580	100
					8-hr	1.2876	89042124	270240	4052610	100
					24-hr	0.6057	89052424	270270	4052610	100
			174.4	NOx	1-hr	56.734				
			358.9	CO	1-hr	116.75				
			1.5	SO2	1-hr	0.488				
GPCTBB.OUT	1B, B	1 CT	Table 13	X/Q	1-hr	2.4591	89030217	270300	4052700	101
			lb/hr		3-hr	1.388	89082921	270240	4052580	100
					8-hr	1.2475	89042124	270240	4052610	100
					24-hr	0.5835	89052424	270270	4052610	100
			174.4	NOx	1-hr	54.037				
			358.9	CO	1-hr	111.2				
			1.5	SO2	1-hr	0.4648				
GPCTBA.OUT	1B, A	1 CT	Table 13	X/Q	1-hr	2.308	89052720	270300	4052640	100
			lb/hr		3-hr	1.3339	89042118	270240	4052610	100
					8-hr	1.1975	89042124	270240	4052610	100
					24-hr	0.5208	89052424	270270	4052610	100

File Name	CASE/SCENARIO	EQUIPMENT	APPENDIX 8.1-5a EMISSION RATE TABLE	POLLUTANT	AVERAGING TIME	Highest conc	Date	UTM E (meters)	UTM N (meters)	Elevation (meters)
			174.4	NOx	1-hr	50.716				
			358.9	CO	1-hr	104.37				
			1.5	SO2	1-hr	0.4362				
GOLMNO1C.INP	1c	CTN B, CTS F, aux blr, DFP	Table 14	NO2	1-hr	134.45	89041316	270060	4052730	99
GCO1cg2.OUT	1c	CTN B, CTS F, aux blr, egen	Table 14	CO	1-hr	460.3	89011303	269730	4052850	99
GSO1c2.OUT	1c	CTN B, CTS F, aux blr, DFP	Table 14	SO2	1-hr	7.3504	89032206	270090	4052700	99
GCO3aA.OUT	3a	2 CT's, aux boil, EGEN 30 min	Table 17	CO	8-hr	40.55	89042124	270270	4052610	100
GCO3aB.OUT	3a	2 CT's, aux boil, EGEN 30 min	Table 17	CO	8-hr	41.992	89042124	270270	4052610	100
GCO3aC.OUT	3a	2 CT's, aux boil, EGEN 30 min	Table 17	CO	8-hr	43.308	89042124	270270	4052610	100
GCO3aD.OUT	3a	2 CT's, aux boil, EGEN 30 min	Table 17	CO	8-hr	42.707	89042124	270270	4052610	100
GCO3aE.OUT	3a	2 CT's, aux boil, EGEN 30 min	Table 17	CO	8-hr	47.388	89042124	270270	4052610	100
GCO3aF.OUT	3a	2 CT's, aux boil, EGEN 30 min	Table 12	CO	8-hr	73.704	89042124	270270	4052610	100
GCO3cg2.OUT	3c	2 CT's, aux boil, EGEN 30 min	Table 18	CO	8-hr	13.893	89031008	269777.19	4052851.3	99.7
GP104aA.OUT	4a, A	2 CT's, aux boil, cool twr, DFP 30 min	Table 19	PM10	24-hr	1.1	89052424	270270	4052640	100
GP104aB.OUT	4a,B	2 CT's, aux boil, cool twr, DFP 30 min	Table 19	PM10	24-hr	1.2493	89052424	270270	4052640	100

File Name	CASE/SCENARIO	EQUIPMENT	APPENDIX 8.1-5a EMISSION RATE TABLE	POLLUTANT	AVERAGING TIME	Highest conc	Date	UTM E (meters)	UTM N (meters)	Elevation (meters)
GP104aC.OUT	4a, C	2 CT's, aux boil, cool twr, DFP 30 min	Table 19	PM10	24-hr	1.2938	89052424	270270	4052640	100
GP104aD.OUT	4a, D	2 CT's, aux boil, cool twr, DFP 30 min	Table 19	PM10	24-hr	1.2735	89052424	270270	4052640	100
GP104aE.OUT	4a, E	2 CT's, aux boil, cool twr, DFP 30 min	Table 19	PM10	24-hr	1.4987	89052424	270270	4052640	100
GP104aF.OUT	4a, F	2 CT's, aux boil, cool twr, DFP 30 min	Table 19	PM10	24-hr	2.1274	89052424	270270	4052640	100
GP254aA.OUT	4a, A	2 CT's, aux boil, cool twr, DFP 30 min	Table 19	PM2.5	24-hr	0.3412	89042124	270330	4052700	101
GP254aB.OUT	4a,B	2 CT's, aux boil, cool twr, DFP 30 min	Table 19	PM2.5	24-hr	0.3412	89042124	270330	4052700	101
GP254aC.OUT	4a, C	2 CT's, aux boil, cool twr, DFP 30 min	Table 19	PM2.5	24-hr	0.3412	89042124	270330	4052700	101
GP254aD.OUT	4a, D	2 CT's, aux boil, cool twr, DFP 30 min	Table 19	PM2.5	24-hr	0.3412	89042124	270330	4052700	101
GP254aE.OUT	4a, E	2 CT's, aux boil, cool twr, DFP 30 min	Table 19	PM2.5	24-hr	0.3412	89042124	270330	4052700	101
GP254aF.OUT	4a, F	2 CT's, aux boil, cool twr, DFP 30 min	Table 19	PM2.5	24-hr	0.3414	89042124	270330	4052700	101
GSO24aA.OUT	4a, A	2 CT's, aux boil, cool twr, DFP 30 min	Table 19	SO2	24-hr	0.1942	89052424	270270	4052640	100
GSO24aB.OUT	4a,B	2 CT's, aux boil, cool twr, DFP 30 min	Table 19	SO2	24-hr	0.2193	89052424	270270	4052640	100
GSO24aC.OUT	4a, C	2 CT's, aux boil, cool twr, DFP 30 min	Table 19	SO2	24-hr	0.2268	89052424	270270	4052640	100
GSO24aD.OUT	4a, D	2 CT's, aux boil, cool twr, DFP 30 min	Table 19	SO2	24-hr	0.2234	89052424	270270	4052640	100

File Name	CASE/SCENARIO	EQUIPMENT	APPENDIX 8.1-5a EMISSION RATE TABLE	POLLUTANT	AVERAGING TIME	Highest conc	Date	UTM E (meters)	UTM N (meters)	Elevation (meters)
GSO24aE.OUT	4a, E	2 CT's, aux boil, cool twr, DFP 30 min	Table 19	SO2	24-hr	0.2612	89052424	270270	4052640	100
GSO24aF.OUT	4a, F	2 CT's, aux boil, cool twr, DFP 30 min	Table 19	SO2	24-hr	0.3669	89052424	270270	4052640	100
GP104B.OUT	4b, F	1 CT, cool	Table 20	PM10	24-hr	1.1875	89042124	270210	4052640	100
GP254B.OUT	4b, F	1 CT, cool	Table 20	PM2.5	24-hr	0.0851	89042124	270330	4052700	101
GP104C.OUT	4c	2 CT, aux 2hr, CT, DFP 30 min	Table 21	PM10	24-hr	1.734	89052424	270270	4052640	100
GP104C2.OUT	4c	2 CT, aux 2hr, CT, DFP 30 min	Table 21	PM10	24-hr	1.6655	89052424	270270	4052610	100
GP104cg2.OUT	4c	2 CT, aux 2hr, CT, EGEN 30 min	Table 21	PM10	24-hr	1.663	89052424	270270	4052610	100
GP254c2.OUT	4c	2 CT, aux 2hr, CT, DFP 30 min	Table 21	PM2.5	24-hr	0.1009	89052424	270270	4052610	100
GSO24c.OUT	4c	2 CT, aux 2hr, CT, DFP 30 min	Table 21	SO2	24-hr	0.3305	89052424	270270	4052640	100
GSO24c2.OUT	4c	2 CT, aux 2hr, CT, DFP 30 min	Table 21	SO2	24-hr	0.3136	89052424	270270	4052640	100
GNOAN.OUT	5	2 CT's, DFP + EGEN 26 hrs, aux boiler	Table 22	NOx	annual	0.2678		270270	4052640	100
GP10AN.OUT	5	2 CT's, DFP + EGEN 26 hrs, aux boiler	Table 22	PM10	annual	0.1646		270270	4052640	100

File Name	CASE/SCENARIO	EQUIPMENT	APPENDIX 8.1-5a EMISSION RATE TABLE	POLLUTANT	AVERAGING TIME	Highest conc	Date	UTM E (meters)	UTM N (meters)	Elevation (meters)
GP25AN.OUT	5	2 CT's, DFP + EGEN 26 hrs, aux boiler	Table 22	PM25	annual	0.0097		270270	4052640	100
GSO2AN.OUT	5	2 CT's, DFP + EGEN 26 hrs, aux boiler	Table 22	SO2	annual	0.0265		270270	4052640	100
GFFUM.OUT	FUMIGATION F	1 CT	Table 13							
			lb/hr	X/Q	1-HR	1.691	12803	Double the concentrations for 2 CT's		
			196.6	NOx		41.889				
			404.4	CO		86.164				
			1.66	SO2		0.3537				
GAFUM.OUT	FUMIGATION, A	1 CT	Table 13							
			lb/hr	X/Q	1-HR	1.191	16582			
			196.6	NOx		29.503				
			404.4	CO		60.687				
			1.66	SO2		0.2491				

SIEMENS MODELING OUTPUT SUMMARY

File Name	CASE/SCENARIO	EQUIPMENT	APPENDIX 8.1-5b EMISSION RATE TABLE	POLLUTANT	AVERAGING TIME	Highest Conc	Date	UTM E (meters)	UTM N (meters)	Elevation (meters)
SOLM1aF.OUT	1a, F OLM	2 CT's, aux boil, DFP 30 min	Table 12	NO2	1-hr	134.45	89041316	270060	4052730	99
SOLM1aE.OUT	1a, E OLM	2 CT's, aux boil, DFP 30 min	Table 12	NO2	1-hr	134.45	89041316	270060	4052730	99
SOLM1aD.OUT	1a, D OLM	2 CT's, aux boil, DFP 30 min	Table 12	NO2	1-hr	134.45	89041316	270060	4052730	99
SOLM1aC.OUT	1a, C OLM	2 CT's, aux boil, DFP 30 min	Table 12	NO2	1-hr	134.45	89041316	270060	4052730	99
SOLM1aB.OUT	1a, B OLM	2 CT's, aux boil, DFP 30 min	Table 12	NO2	1-hr	134.45	89041316	270060	4052730	99
SOLM1aA.OUT	1a, A OLM	2 CT's, aux boil, DFP 30 min	Table 12	NO2	1-hr	134.45	89041316	270060	4052730	99
SCO1AA.OUT	1a, A	2 CT's, aux boil, EGEN 30 min	Table 12	CO	1-hr	460.42	89011303	269730	4052850	99
SCO1AB.OUT	1a, B	2 CT's, aux boil, EGEN 30 min	Table 12	CO	1-hr	460.41	89011303	269730	4052850	99
SCO1AC.OUT	1a,C	2 CT's, aux boil, EGEN 30 min	Table 12	CO	1-hr	460.41	89011303	269730	4052850	99
SCO1AD.OUT	1a,D	2 CT's, aux boil, EGEN 30 min	Table 12	CO	1-hr	460.41	89011303	269730	4052850	99
SCO1AE.OUT	1a, E	2 CT's, aux boil, EGEN 30 min	Table 12	CO	1-hr	460.39	89011303	269730	4052850	99
SCO1AF.OUT	1a, F	2 CT's, aux boil, EGEN 30 min	Table 12	CO	1-hr	460.37	89011303	269730	4052850	99
SSO21AA.OUT	1a, A	2 CT's, aux boil, DFP 30 min	Table 12	SO2	1-hr	7.7372	89032206	270090	4052700	99
SSO21AB.OUT	1a, B	2 CT's, aux boil, DFP 30 min	Table 12	SO2	1-hr	7.7372	89032206	270090	4052700	99

File Name	CASE/SCENARIO	EQUIPMENT	APPENDIX 8.1-5b EMISSION RATE TABLE	POLLUTANT	AVERAGING TIME	Highest Conc	Date	UTM E (meters)	UTM N (meters)	Elevation (meters)
SSO21AC.OUT	1a,C	2 CT's, aux boil, DFP 30 min	Table 12	SO2	1-hr	7.7372	89032206	270090	4052700	99
SSO21AD.OUT	1a,D	2 CT's, aux boil, DFP 30 min	Table 12	SO2	1-hr	7.7372	89032206	270090	4052700	99
SSO21AE.OUT	1a, E	2 CT's, aux boil, DFP 30 min	Table 12	SO2	1-hr	7.7372	89032206	270090	4052700	99
SSO21AF.OUT	1a, F	2 CT's, aux boil, DFP 30 min	Table 12	SO2	1-hr	7.7372	89032206	270090	4052700	99
SCTBF.OUT	1b, F	1 CT (southern)	Table 13	X/Q	1-hr	3.6621	89030217	270300	4052700	101
			lb/hr		3-hr	1.8825	89082921	270240	4052580	100
					8-hr	1.6565	89042124	270240	4052610	100
					24-hr	0.8012	89052424	270270	4052610	100
			196.6	NOx	1-hr	90.716	89030217	270150	4052925.5	99.7
			404.4	CO	1-hr	186.6	89030217	270150	4052925.5	99.7
			1.66	SO2	1-hr	0.766	89030217	270150	4052925.5	99.7
	3b, F		404.4	CO	8-hr	84.404				
	4b, F		1.66	SO2	24-hr	0.1676				
			10	PM10	24-hr	1.0095				
			0.59	PM2.5	24-hr	0.0596				
SCTBFn.OUT	1b, F	1 CT (northern)	Table 13	X/Q	1-hr	3.5867	89052720	270270	4052700	101
			lb/hr		3-hr	1.9483	89042118	270240	4052640	100
					8-hr	1.7173	89042124	270270	4052640	100
					24-hr	0.8297	89052424	270270	4052640	100
			196.6	NOx	1-hr	88.849				
			404.4	CO	1-hr	182.76				
			1.66	SO2	1-hr	0.7502				
			404.4	CO	8-hr	87.501				
			1.66	SO2	24-hr	0.1735				
SCTBE.OUT	1B, e	1 CT	Table 13	X/Q	1-hr	2.5867	89030217	270300	4052700	101
			lb/hr		3-hr	1.4292	89082921	270240	4052580	100
					8-hr	1.2845	89042124	270240	4052610	100

File Name	CASE/SCENARIO	EQUIPMENT	APPENDIX 8.1-5b EMISSION RATE TABLE	POLLUTANT	AVERAGING TIME	Highest Conc	Date	UTM E (meters)	UTM N (meters)	Elevation (meters)
					24-hr	0.604	89052424	270270	4052610	100
			196.6	NOx	1-hr	64.078				
			404.4	CO	1-hr	131.81				
			1.66	SO2	1-hr	0.541				
SCTBD.OUT	1B, D	1 CT	Table 13	X/Q	1-hr	2.2625	89052720	270300	4052640	100
			lb/hr		3-hr	1.3007	89042118	270240	4052610	100
					8-hr	1.1659	89042124	270240	4052610	100
					24-hr	0.4782	89042124	270240	4052610	100
			196.6	NOx	1-hr	56.046				
			404.4	CO	1-hr	115.28				
			1.66	SO2	1-hr	0.4732				
SCTBC.OUT	1B, C	1 CT	Table 13	X/Q	1-hr	2.263	89052720	270300	4052640	100
			lb/hr		3-hr	1.301	89042118	270240	4052610	100
					8-hr	1.1671	89042124	270240	4052610	100
					24-hr	0.5052	89052424	270270	4052610	100
			196.6	NOx	1-hr	56.057				
			404.4	CO	1-hr	115.31				
			1.66	SO2	1-hr	0.4733				
SCTBB.OUT	1B, B	1 CT	Table 13	X/Q	1-hr	2.2054	89052720	270300	4052640	100
			lb/hr		3-hr	1.2592	89042118	270240	4052610	100
					8-hr	1.1294	89042124	270240	4052610	100
					24-hr	0.4631	89042124	270240	4052610	100
			196.6	NOx	1-hr	54.632				
			404.4	CO	1-hr	112.38				
			1.66	SO2	1-hr	0.4613				
SCTBA.OUT	1B, A	1 CT	Table 13	X/Q	1-hr	2.1005	89052720	270300	4052640	100
			lb/hr		3-hr	1.184	89042118	270240	4052610	100
					8-hr	1.0613	89042124	270240	4052610	100
					24-hr	0.4349	89042124	270240	4052610	100
			196.6	NOx	1-hr	52.033				
			404.4	CO	1-hr	107.03				
			1.66	SO2	1-hr	0.4393				
SOLMNO1c.OUT	1c	CTN F, CTS B, aux blr, DFP	Table 14	NOx	1-hr	134.45	89041316	270060	4052730	99

File Name	CASE/SCENARIO	EQUIPMENT	APPENDIX 8.1-5b EMISSION RATE TABLE	POLLUTANT	AVERAGING TIME	Highest Conc	Date	UTM E (meters)	UTM N (meters)	Elevation (meters)
SCO1C.OUT	1c	CTN F, CTS B, aux blr, DFP	Table 14	CO	1-hr	64.684	89072121	269905.84	4052736.5	99.7
SCO1Cg.OUT	1c	CTN F, CTS B, aux blr, egen	Table 14	CO	1-hr	460.3	89011303	269730	4052850	99
SCO1Cg2.OUT	1c	CTN B, CTS F, aux blr, egen	Table 14	CO	1-hr	460.3	89011303	269730	4052850	99
SSO21C.OUT	1c	CTN F, CTS B, aux blr, DFP	Table 14	SO2	1-hr	7.3504	89032206	270090	4052700	99
SSO21C2.OUT	1c	CTN B, CTS F, aux blr, DFP	Table 14	SO2	1-hr	7.4437	89030217	270330	4052700	101
SSO21Cg.OUT	1c	CTN F, CTS B, aux blr, egen	Table 14	SO2	1-hr	6.7099	89052720	270270	4052700	101
SSO21Cg2.OUT	1c	CTN B, CTS F, aux blr, egen	Table 14	SO2	1-hr	7.1902	89030217	270330	4052700	101
SCO3aA.OUT	3a	2 CT's, aux boil, EGEN 30 min	Table 17	CO	8-hr	36.729	89042124	270270	4052610	100
SCO3aB.OUT	3a	2 CT's, aux boil, EGEN 30 min	Table 17	CO	8-hr	39.023	89042124	270270	4052610	100
SCO3aC.OUT	3a	2 CT's, aux boil, EGEN 30 min	Table 17	CO	8-hr	40.292	89042124	270270	4052610	100
SCO3aD.OUT	3a	2 CT's, aux boil, EGEN 30 min	Table 17	CO	8-hr	40.249	89042124	270270	4052610	100
SCO3aE.OUT	3a	2 CT's, aux boil, EGEN 30 min	Table 17	CO	8-hr	44.245	89042124	270270	4052610	100
SCO3aF.OUT	3a	2 CT's, aux boil, EGEN 30 min	Table 17	CO	8-hr	56.273	89042124	270270	4052610	100
SCO3cg.OUT	3c	2 CT's, aux boil, EGEN 30 min	Table 18	CO	8-hr	13.75	89031008	269777.19	4052851.25	99.7

File Name	CASE/SCENARIO	EQUIPMENT	APPENDIX 8.1-5b EMISSION RATE TABLE	POLLUTANT	AVERAGING TIME	Highest Conc	Date	UTM E (meters)	UTM N (meters)	Elevation (meters)
SCO3cg2.OUT	3c	2 CT's, aux boil, EGEN 30 min	Table 18	CO	8-hr	13.889	89031008	269777.19	4052851.25	99.7
SP104aA.OUT	4a, A	2 CT's, aux boil, cool twr, DFP 30 min	Table 19	PM10	24-hr	0.925	89042124	270270	4052610	100
SP104aB.OUT	4a,B	2 CT's, aux boil, cool twr, DFP 30 min	Table 19	PM10	24-hr	0.9827	89042124	270270	4052610	100
SP104aC.OUT	4a, C	2 CT's, aux boil, cool twr, DFP 30 min	Table 19	PM10	24-hr	1.1504	89052424	270270	4052640	100
SP104aD.OUT	4a, D	2 CT's, aux boil, cool twr, DFP 30 min	Table 19	PM10	24-hr	1.0187	89052424	270270	4052640	100
SP104aE.OUT	4a, E	2 CT's, aux boil, cool twr, DFP 30 min	Table 19	PM10	24-hr	1.3889	89052424	270270	4052640	100
SP104aF.OUT	4a, F	2 CT's, aux boil, cool twr, DFP 30 min	Table 19	PM10	24-hr	1.8334	89052424	270270	4052640	100
SP104aAg.OUT	4a, A	2 CT's, aux boil, cool twr, ngeg 30 min	Table 19	PM10	24-hr	0.9164	89042124	270270	4052610	100
SP104aBg.OUT	4a,B	2 CT's, aux boil, cool twr, ngeg 30 min	Table 19	PM10	24-hr	0.9741	89042124	270270	4052610	100
SP104aCg.OUT	4a, C	2 CT's, aux boil, cool twr, ngeg 30 min	Table 19	PM10	24-hr	1.1399	89052424	270270	4052640	100
SP104aDg.OUT	4a, D	2 CT's, aux boil, cool twr, ngeg 30 min	Table 19	PM10	24-hr	1.0095	89052424	270270	4052610	100
SP104aEg.OUT	4a, E	2 CT's, aux boil, cool twr, ngeg 30 min	Table 19	PM10	24-hr	1.3784	89052424	270270	4052640	100

File Name	CASE/SCENARIO	EQUIPMENT	APPENDIX 8.1-5b EMISSION RATE TABLE	POLLUTANT	AVERAGING TIME	Highest Conc	Date	UTM E (meters)	UTM N (meters)	Elevation (meters)
SP104aFg.OUT	4a, F	2 CT's, aux boil, cool twr, ngeg 30 min	Table 19	PM10	24-hr	1.8228	89052424	270270	4052640	100
SP254aA.OUT	4a, A	2 CT's, aux boil, cool twr, DFP 30 min	Table 19	PM2.5	24-hr	0.3409	89042124	270330	4052700	101
SP254aB.OUT	4a,B	2 CT's, aux boil, cool twr, DFP 30 min	Table 19	PM2.5	24-hr	0.3412	89042124	270330	4052700	101
SP254aC.OUT	4a, C	2 CT's, aux boil, cool twr, DFP 30 min	Table 19	PM2.5	24-hr	0.3412	89042124	270330	4052700	101
SP254aD.OUT	4a, D	2 CT's, aux boil, cool twr, DFP 30 min	Table 19	PM2.5	24-hr	0.3412	89042124	270330	4052700	101
SP254aE.OUT	4a, E	2 CT's, aux boil, cool twr, DFP 30 min	Table 19	PM2.5	24-hr	0.3412	89042124	270330	4052700	101
SP254aF.OUT	4a, F	2 CT's, aux boil, cool twr, DFP 30 min	Table 19	PM2.5	24-hr	0.3414	89042124	270330	4052700	101
SP254aAg.OUT	4a, A	2 CT's, aux boil, cool twr, ngeg 30 min	Table 19	PM2.5	24-hr	0.3409	89042124	270330	4052700	101
SP254aBg.OUT	4a,B	2 CT's, aux boil, cool twr, ngeg 30 min	Table 19	PM2.5	24-hr	0.3409	89042124	270330	4052700	101
SP254aCg.OUT	4a, C	2 CT's, aux boil, cool twr, ngeg 30 min	Table 19	PM2.5	24-hr	0.3409	89042124	270330	4052700	101
SP254aDg.OUT	4a, D	2 CT's, aux boil, cool twr, ngeg 30 min	Table 19	PM2.5	24-hr	0.3409	89042124	270330	4052700	101
SP254aEg.OUT	4a, E	2 CT's, aux boil, cool twr, ngeg 30 min	Table 19	PM2.5	24-hr	0.3409	89042124	270330	4052700	101

File Name	CASE/SCENARIO	EQUIPMENT	APPENDIX 8.1-5b EMISSION RATE TABLE	POLLUTANT	AVERAGING TIME	Highest Conc	Date	UTM E (meters)	UTM N (meters)	Elevation (meters)
SP254aFg.OUT	4a, F	2 CT's, aux boil, cool twr, ngeg 30 min	Table 19	PM2.5	24-hr	0.3411	89042124	270330	4052700	101
SSO24aA.OUT	4a, A	2 CT's, aux boil, cool twr, DFP 30 min	Table 19	SO2	24-hr	0.1658	89042124	270270	4052610	100
SSO24aB.OUT	4a,B	2 CT's, aux boil, cool twr, DFP 30 min	Table 19	SO2	24-hr	0.1757	89042124	270270	4052610	100
SSO24aC.OUT	4a, C	2 CT's, aux boil, cool twr, DFP 30 min	Table 19	SO2	24-hr	0.2071	89052424	270270	4052640	100
SSO24aD.OUT	4a, D	2 CT's, aux boil, cool twr, DFP 30 min	Table 19	SO2	24-hr	0.1844	89052424	270270	4052640	100
SSO24aE.OUT	4a, E	2 CT's, aux boil, cool twr, DFP 30 min	Table 19	SO2	24-hr	0.2481	89052424	270270	4052640	100
SSO24aF.OUT	4a, F	2 CT's, aux boil, cool twr, DFP 30 min	Table 19	SO2	24-hr	0.3246	89052424	270270	4052640	100
SSO24aAg.OUT	4a, A	2 CT's, aux boil, cool twr, ngeg 30 min	Table 19	SO2	24-hr	0.1568	89042124	270270	4052610	100
SSO24aBg.OUT	4a,B	2 CT's, aux boil, cool twr, ngeg 30 min	Table 19	SO2	24-hr	0.1667	89042124	270270	4052610	100
SSO24aCg.OUT	4a, C	2 CT's, aux boil, cool twr, ngeg 30 min	Table 19	SO2	24-hr	0.1926	89052424	270270	4052640	100
SSO24aDg.OUT	4a, D	2 CT's, aux boil, cool twr, ngeg 30 min	Table 19	SO2	24-hr	0.1721	89042124	270270	4052610	100
SSO24aEg.OUT	4a, E	2 CT's, aux boil, cool twr, ngeg 30 min	Table 19	SO2	24-hr	0.2336	89052424	270270	4052640	100

File Name	CASE/SCENARIO	EQUIPMENT	APPENDIX 8.1-5b EMISSION RATE TABLE	POLLUTANT	AVERAGING TIME	Highest Conc	Date	UTM E (meters)	UTM N (meters)	Elevation (meters)
SSO24aFg.OUT	4a, F	2 CT's, aux boil, cool twr, ngeg 30 min	Table 19	SO2	24-hr	0.3101	89052424	270270	4052640	100
SP104B.OUT	4b, F	1 CT, cool	Table 20	PM10	24-hr	1.0095	89052424	270270	4052610	100
SP254B.OUT	4b, F	1 CT, cool	Table 20	PM2.5	24-hr	0.0851	89042124	270330	4052700	101
SP104C.OUT	4c	2 CT, aux 2hr, CT, DFP 30 min	Table 21	PM10	24-hr	1.4321	89052424	270270	4052640	100
SP104C2.OUT	4c	2 CT, aux 2hr, CT, DFP 30 min	Table 21	PM10	24-hr	1.4319	89052424	270270	4052610	100
SP104cg.OUT	4c	2 CT, aux 2hr, CT, EGEN 30 min	Table 21	PM10	24-hr	1.4215	89052424	270270	4052640	100
SP104cg2.OUT	4c	2 CT, aux 2hr, CT, EGEN 30 min	Table 21	PM10	24-hr	1.4293	89052424	270270	4052610	100
SP254c.OUT	4c	2 CT, aux 2hr, CT, DFP 30 min	Table 21	PM2.5	24-hr	0.087	89052424	270270	4052640	100
SP254c2.OUT	4c	2 CT, aux 2hr, CT, DFP 30 min	Table 21	PM2.5	24-hr	0.0877	89052424	270270	4052610	100
SP254cg.OUT	4c	2 CT, aux 2hr, CT, EGEN 30 min	Table 21	PM2.5	24-hr	0.0858	89042124	270330	4052700	101
SP254cg2.OUT	4c	2 CT, aux 2hr, CT, EGEN 30 min	Table 21	PM2.5	24-hr	0.0864	89052424	270270	4052610	100
SSO24c.OUT	4c	2 CT, aux 2hr, CT, DFP 30 min	Table 21	SO2	24-hr	0.248	89052424	270270	4052640	100
SSO24c2.OUT	4c	2 CT, aux 2hr, CT, DFP 30 min	Table 21	SO2	24-hr	0.2403	89052424	270270	4052610	100

File Name	CASE/SCENARIO	EQUIPMENT	APPENDIX 8.1-5b EMISSION RATE TABLE	POLLUTANT	AVERAGING TIME	Highest Conc	Date	UTM E (meters)	UTM N (meters)	Elevation (meters)
SSO24cg.OUT	4c	2 CT, aux 2hr, CT, EGEN 30 min	Table 21	SO2	24-hr	0.2335	89052424	270270	4052640	100
SSO24cg2.OUT	4c	2 CT, aux 2hr, CT, EGEN 30 min	Table 21	SO2	24-hr	0.2316	89052424	270270	4052610	100
CPPAUXB3.OUT	aux boil/normalized	Aux boiler 100 ft stack		X/Q	1-hr	223.4	89072121	269905.84	4052736.5	99.7
					3-hr	145.7	89111124	269905.84	4052736.5	99.7
					8-hr	102.95	89022008	270000	4052670	99
					24-hr	38.318	89022024	270000	4052670	99
			Table 1 (lb/hr)							
			0.72	NOx	1-hr	20.267				
			2.27	CO	1-hr	63.898				
			2.27	CO	8-hr	29.446				
			0.05	SO2	1-hr	1.4074				
			0.05	SO2	3-hr	0.9179				
			0.05	SO2	24-hr	0.2414				
			0.61	PM10	24-hr	2.9451				
			0.02	PM2.5	24-hr	0.0966				
SNOAN.OUT	5	2 CT's, DFP + EGEN 26 hrs, aux boiler	Table 22	NOx	annual	0.1983		270180	4052700	100
SP10AN.OUT	5	2 CT's, DFP + EGEN 26 hrs, aux boiler	Table 22	PM10	annual	0.1147		270270	4052640	100
SP25AN.OUT	5	2 CT's, DFP + EGEN 26 hrs, aux boiler	Table 22	PM25	annual	0.008		271530	4051710	101

File Name	CASE/SCENARIO	EQUIPMENT	APPENDIX 8.1-5b EMISSION RATE TABLE	POLLUTANT	AVERAGING TIME	Highest Conc	Date	UTM E (meters)	UTM N (meters)	Elevation (meters)
SSO2AN.OUT	5	2 CT's, DFP + EGEN 26 hrs, aux boiler	Table 22	SO2	annual	0.0179		270270	4052640	100
SFFUM.OUT	FUMIGATION F	1 CT	Table 13							
			lb/hr	X/Q	1-HR	1.465	14231	Double the concentrations for 2 CT's		
			196.6	NOx		36.29				
			404.4	CO		74.648				
			1.66	SO2		0.3064				
SAFUM.OUT	FUMIGATION, A	1 CT	Table 13							
			lb/hr	X/Q	1-HR	1.093	17667			
			196.6	NOx		27.075				
			404.4	CO		55.693				
			1.66	SO2		0.2286				
PB.OUT	lead	aux boiler, DFP	DFP:0.000143 lb/hr	Pb	24-hr	0.00540c	89021924	270090	4052700	99
			AuxB: 3.05e-5 lb/hr							

CALPUFF MODELING FILE LIST

FILE NAME	DESCRIPTION
S14AA5B.INP	CALPUFF INPUT SIEMENS, 24-HR, GROUP 1 CLASS I AREAS
S24AA5D.INP	CALPUFF INPUT SIEMENS, 24-HR, GROUP 2 CLASS I AREAS
S34AA5D.INP	CALPUFF INPUT SIEMENS, 24-HR, GROUP 3 CLASS I AREAS
S44AA5E.INP	CALPUFF INPUT SIEMENS, 24-HR, GROUP 4 CLASS I AREAS
S14C.INP	CALPUFF INPUT SIEMENS, 24-HR, PARTIAL LOAD, GROUP 1 CLASS I AREAS
G14AA5D.INP	CALPUFF INPUT GE, 24-HR, GROUP 1 CLASS I AREAS
G24AA5D.INP	CALPUFF INPUT GE, 24-HR, GROUP 2 CLASS I AREAS
G34AA5D.INP	CALPUFF INPUT GE, 24-HR, GROUP 3 CLASS I AREAS
G44AA5E.INP	CALPUFF INPUT GE, 24-HR, GROUP 4 CLASS I AREAS
AUX1.INP	CALPUFF INPUT AUX BOILER, 24-HR, GROUP 1 CLASS I AREAS
S15BAN.INP	CALPUFF INPUT SIEMENS, ANNUAL, GROUP 1 CLASS I AREAS
S25BAN.INP	CALPUFF INPUT SIEMENS, ANNUAL, GROUP 2 CLASS I AREAS
S35BAN.INP	CALPUFF INPUT SIEMENS, ANNUAL, GROUP 3 CLASS I AREAS
S45EAN.INP	CALPUFF INPUT SIEMENS, ANNUAL, GROUP 4 CLASS I AREAS
G15BAN.INP	CALPUFF INPUT GE, ANNUAL, GROUP 1 CLASS I AREAS
G25BAN.INP	CALPUFF INPUT GE, ANNUAL, GROUP 2 CLASS I AREAS
G35BAN.INP	CALPUFF INPUT GE, ANNUAL, GROUP 3 CLASS I AREAS
G45EAN.INP	CALPUFF INPUT GE, ANNUAL, GROUP 4 CLASS I AREAS
SKC5AN.INP	CALPUFF INPUT FILE SIEMENS, ANNUAL, KINGS CANYON 3 RINGS
SSE5AN.INP	CALPUFF INPUT FILE SIEMENS, ANNUAL, SEQUOIA, MEDIAN DISTANCE
SSEF5AN.INP	CALPUFF INPUT FILE SIEMENS, ANNUAL, SEQUOIA, FAR DISTANCE
SJM25AN.INP	CALPUFF INPUT FILE SIEMENS, ANNUAL, JOHN MUIR MEDIAN + FAR DISTANCE RINGS
SKA5AN.INP	CALPUFF INPUT FILE SIEMENS, ANNUAL, KAISER 3 RINGS
GKC25BAN.INP	CALPUFF INPUT FILE GE, ANNUAL, KINGS CANYON, MEDIAN + FAR RINGS
GSE25BAN.INP	CALPUFF INPUT FILE GE, ANNUAL, SEQUOIA, MEDIAN + FAR RINGS
GJM25BAN.INP	CALPUFF INPUT FILE GE, ANNUAL, JOHN MUIR, MEDIAN + FAR RINGS
2S14AADS.INP	POSTUTIL INPUT FILE SIEMENS, 24-HR, PM, GROUP 1
2S24AASP.INP	POSTUTIL INPUT FILE SIEMENS, 24-HR, PM, GROUP 2
2S34AASP.INP	POSTUTIL INPUT FILE SIEMENS, 24-HR, PM, GROUP 3
2S44AESP.INP	POSTUTIL INPUT FILE SIEMENS, 24-HR, PM, GROUP 4
2S14CP.INP	POSTUTIL INPUT FILE SIEMENS, 24-HR, PARTIAL LOAD, PM, GROUP 1
2G14AASP.INP	POSTUTIL INPUT FILE GE, 24-HR, PM, GROUP 1
2G24AASP.INP	POSTUTIL INPUT FILE GE, 24-HR, PM, GROUP 2
2G34AASP.INP	POSTUTIL INPUT FILE GE, 24-HR, PM, GROUP 3
2G44AESP.INP	POSTUTIL INPUT FILE GE, 24-HR, PM, GROUP 4
2AUX1SP.INP	POSTUTIL INPUT FILE AUX BOILER, 24-HR, PM, GROUP 1
2S15ANP.INP	POSTUTIL INPUT FILE SIEMENS, ANNUAL, PM, GROUP 1
2S25ANP.INP	POSTUTIL INPUT FILE SIEMENS, ANNUAL, PM, GROUP 2
2S35ANP.INP	POSTUTIL INPUT FILE SIEMENS, ANNUAL, PM, GROUP 3
2S45EANP.INP	POSTUTIL INPUT FILE SIEMENS, ANNUAL, PM, GROUP 4
2G15ANP.INP	POSTUTIL INPUT FILE GE, ANNUAL, PM, GROUP 1
2G25ANP.INP	POSTUTIL INPUT FILE GE, ANNUAL, PM, GROUP 2
2G35ANP.INP	POSTUTIL INPUT FILE GE, ANNUAL, PM, GROUP 3
2G45EANP.INP	POSTUTIL INPUT FILE GE, ANNUAL, PM, GROUP 4
2S15BDP.INP	POSTUTIL INPUT FILE SIEMENS, ANNUAL, DEPOSITION, GROUP 1
2S25BDP.INP	POSTUTIL INPUT FILE SIEMENS, ANNUAL, DEPOSITION, GROUP 2
2S35BDP.INP	POSTUTIL INPUT FILE SIEMENS, ANNUAL, DEPOSITION, GROUP 3

FILE NAME	DESCRIPTION
2S45EDEP.INP	POSTUTIL INPUT FILE SIEMENS, ANNUAL, DEPOSITION, GROUP 4
2SKC35DP.INP	POSTUTIL INPUT FILE SIEMENS, ANNUAL, DEPOSITION, KINGS CANYON 3 RINGS
2SSEM5DP.INP	POSTUTIL INPUT FILE SIEMENS, ANNUAL, DEPOSITION,SEQUOIA MEDIAN DISTANCE
2SSEF5DP.INP	POSTUTIL INPUT FILE SIEMENS, ANNUAL, DEPOSITION, SEQUOIA FAR DISTANCE
2SJM25DP.INP	POSTUTIL INPUT FILE SIEMENS, ANNUAL, DEPOSITION, JOHN MUIR MEDIAN + FAR
2SKA35DP.INP	POSTUTIL INPUT FILE SIEMENS, ANNUAL, DEPOSITION, KAISER 3 RINGS
2G15BDP.INP	POSTUTIL INPUT FILE GE, ANNUAL, DEPOSITION, GROUP 1
2G25BDP.INP	POSTUTIL INPUT FILE GE, ANNUAL, DEPOSITION, GROUP 2
2G35BDP.INP	POSTUTIL INPUT FILE GE, ANNUAL, DEPOSITION, GROUP 3
2G45EDEP.INP	POSTUTIL INPUT FILE GE, ANNUAL, DEPOSITION, GROUP 4
2KC25DP.INP	POSTUTIL INPUT FILE GE, ANNUAL, DEPOSITION, KINGS CANYON MEDIAN + FAR RINGS
2GSE25DP.INP	POSTUTIL INPUT FILE GE, ANNUAL, DEPOSITION,SEQUOIA MEDIAN DISTANCE
2GJM25DP.INP	POSTUTIL INPUT FILE GE, ANNUAL, DEPOSITION, JOHN MUIR MEDIAN + FAR
3S1AAD1V.INP	CALPOST INPUT FILE SIEMENS, VISIBILITY, KINGS CANYON
3SSEAADV.INP	CALPOST INPUT FILE SIEMENS, VISIBILITY, SEQUOIA
3SJMAADV.INP	CALPOST INPUT FILE SIEMENS, VISIBILITY, JOHN MUIR
3SKAAADV.INP	CALPOST INPUT FILE SIEMENS, VISIBILITY, KAISER
3SAAAADV.INP	CALPOST INPUT FILE SIEMENS, VISIBILITY, ANSEL ADAMS
3SYOAADV.INP	CALPOST INPUT FILE SIEMENS, VISIBILITY, YOSEMITE
3SHOAADV.INP	CALPOST INPUT FILE SIEMENS, VISIBILITY, HOOVER
3SEMAADV.INP	CALPOST INPUT FILE SIEMENS, VISIBILITY, EMIGRANT
3SDLAADV.INP	CALPOST INPUT FILE SIEMENS, VISIBILITY, DOME LAND
3SPIAAEV.INP	CALPOST INPUT FILE SIEMENS, VISIBILITY, PINNACLES
3SVEAAEV.INP	CALPOST INPUT FILE SIEMENS, VISIBILITY, VENTANA
3GKCAADV.INP	CALPOST INPUT FILE GE, VISIBILITY, KINGS CANYON
3GSEAADV.INP	CALPOST INPUT FILE GE, VISIBILITY, SEQUOIA
3GJMAADV.INP	CALPOST INPUT FILE GE, VISIBILITY, JOHN MUIR
3GKAAADV.INP	CALPOST INPUT FILE GE, VISIBILITY, KAISER
3GAAAADV.INP	CALPOST INPUT FILE GE, VISIBILITY, ANSEL ADAMS
3GYOAADV.INP	CALPOST INPUT FILE GE, VISIBILITY, YOSEMITE
3GHOAADV.INP	CALPOST INPUT FILE GE, VISIBILITY, HOOVER
3GEMAADV.INP	CALPOST INPUT FILE GE, VISIBILITY, EMIGRANT
3GDLAADV.INP	CALPOST INPUT FILE GE, VISIBILITY, DOME LAND
3GPIAAEV.INP	CALPOST INPUT FILE GE, VISIBILITY, PINNACLES
3GVEAAEV.INP	CALPOST INPUT FILE GE, VISIBILITY, VENTANA
3AUX1V.INP	CALPOST INPUT FILE AUX BOILER, VISIBILITY, KINGS CANYON
3SKC5BN.INP	CALPOST INPUT FILE SIEMENS, N DEPOSITION, KINGS CANYON
3SSE5BN.INP	CALPOST INPUT FILE SIEMENS, N DEPOSITION, SEQUOIA
3SJM5BN.INP	CALPOST INPUT FILE SIEMENS, N DEPOSITION, JOHN MUIR
3SKA5BN.INP	CALPOST INPUT FILE SIEMENS, N DEPOSITION, KAISER
3SAA5BN.INP	CALPOST INPUT FILE SIEMENS, N DEPOSITION, ANSEL ADAMS
3SYO5BN.INP	CALPOST INPUT FILE SIEMENS, N DEPOSITION, YOSEMITE
3SHO5BN.INP	CALPOST INPUT FILE SIEMENS, N DEPOSITION, HOOVER
3SEM5BN.INP	CALPOST INPUT FILE SIEMENS, N DEPOSITION, EMIGRANT
3SDL5BN.INP	CALPOST INPUT FILE SIEMENS, N DEPOSITION, DOME LAND
3SPI5EN.INP	CALPOST INPUT FILE SIEMENS, N DEPOSITION, PINNACLES
3SVE5EN.INP	CALPOST INPUT FILE SIEMENS, N DEPOSITION, VENTANA
3GKC5BN.INP	CALPOST INPUT FILE GE, N DEPOSITION, KINGS CANYON
3GSE5BN.INP	CALPOST INPUT FILE GE, N DEPOSITION, SEQUOIA

FILE NAME	DESCRIPTION
3GJM5BN.INP	CALPOST INPUT FILE GE, N DEPOSITION, JOHN MUIR
3GKA5BN.INP	CALPOST INPUT FILE GE, N DEPOSITION, KAISER
3GAA5BN.INP	CALPOST INPUT FILE GE, N DEPOSITION, ANSEL ADAMS
3GYO5BN.INP	CALPOST INPUT FILE GE, N DEPOSITION, YOSEMITE
3GHO5BN.INP	CALPOST INPUT FILE GE, N DEPOSITION, HOOVER
3GEM5BN.INP	CALPOST INPUT FILE GE, N DEPOSITION, EMIGRANT
3GDL5BN.INP	CALPOST INPUT FILE GE, N DEPOSITION, DOME LAND
3GPI5EN.INP	CALPOST INPUT FILE GE, N DEPOSITION, PINNACLES
3GVE5EN.INP	CALPOST INPUT FILE GE, N DEPOSITION, VENTANA
3SKC5BS.INP	CALPOST INPUT FILE SIEMENS, S DEPOSITION, KINGS CANYON
3SSE5BS.INP	CALPOST INPUT FILE SIEMENS, S DEPOSITION, SEQUOIA
3SJM5BS.INP	CALPOST INPUT FILE SIEMENS, S DEPOSITION, JOHN MUIR
3SKA5BS.INP	CALPOST INPUT FILE SIEMENS, S DEPOSITION, KAISER
3SAA5BS.INP	CALPOST INPUT FILE SIEMENS, S DEPOSITION, ANSEL ADAMS
3SYO5BS.INP	CALPOST INPUT FILE SIEMENS, S DEPOSITION, YOSEMITE
3SHO5BS.INP	CALPOST INPUT FILE SIEMENS, S DEPOSITION, HOOVER
3SEM5BS.INP	CALPOST INPUT FILE SIEMENS, S DEPOSITION, EMIGRANT
3SDL5BS.INP	CALPOST INPUT FILE SIEMENS, S DEPOSITION, DOME LAND
3SPI5ES.INP	CALPOST INPUT FILE SIEMENS, S DEPOSITION, PINNACLES
3SVE5ES.INP	CALPOST INPUT FILE SIEMENS, S DEPOSITION, VENTANA
3GKC5BS.INP	CALPOST INPUT FILE GE, S DEPOSITION, KINGS CANYON
3GSE5BS.INP	CALPOST INPUT FILE GE, S DEPOSITION, SEQUOIA
3GJM5BS.INP	CALPOST INPUT FILE GE, S DEPOSITION, JOHN MUIR
3GKA5BS.INP	CALPOST INPUT FILE GE, S DEPOSITION, KAISER
3GAA5BS.INP	CALPOST INPUT FILE GE, S DEPOSITION, ANSEL ADAMS
3GYO5BS.INP	CALPOST INPUT FILE GE, S DEPOSITION, YOSEMITE
3GHO5BS.INP	CALPOST INPUT FILE GE, S DEPOSITION, HOOVER
3GEM5BS.INP	CALPOST INPUT FILE GE, S DEPOSITION, EMIGRANT
3GDL5BS.INP	CALPOST INPUT FILE GE, S DEPOSITION, DOME LAND
3GPI5ES.INP	CALPOST INPUT FILE GE, S DEPOSITION, PINNACLES
3GVE5ES.INP	CALPOST INPUT FILE GE, S DEPOSITION, VENTANA
3SKC35BN.INP	CALPOST INPUT FILE SIEMENS, N DEPOSITION, KINGS CANYON, 3 RINGS
3SSEM5BN.INP	CALPOST INPUT FILE SIEMENS, N DEPOSITION, SEQUOIA MEDIAN RING
3SSEF5BN.INP	CALPOST INPUT FILE SIEMENS, N DEPOSITION, SEQUOIA FAR RING
3SJM25BN.INP	CALPOST INPUT FILE SIEMENS, N DEPOSITION, JOHN MUIR, MEDIAN + FAR RING
3SKA35BN.INP	CALPOST INPUT FILE SIEMENS, N DEPOSITION, KAISER, 3 RING
3GKC25BN.INP	CALPOST INPUT FILE GE, N DEPOSITION, KINGS CANYON, MEDIAN + FAR RING
3GSE25BN.INP	CALPOST INPUT FILE GE, N DEPOSITION, SEQUOIA, MEDIAN + FAR RING
3GJM25BN.INP	CALPOST INPUT FILE GE, N DEPOSITION, JOHNM MUIR, MEDIAN + FAR RING
3S14AADP.INP	CALPOST INPUT SIEMENS, 24-HR PM10, GROUP 1 CLASS I AREAS
3S24AADP.INP	CALPOST INPUT SIEMENS, 24-HR PM10, GROUP 2 CLASS I AREAS
3S34AADP.INP	CALPOST INPUT SIEMENS, 24-HR PM10, GROUP 3 CLASS I AREAS
3S44AAEP.INP	CALPOST INPUT SIEMENS, 24-HR PM10, GROUP 4 CLASS I AREAS
3S14CP.INP	CALPOST INPUT SIEMENS, 24-HR PM10,PARTIAL LOAD GROUP 1 CLASS I AREAS
3AUX1SP.INP	CALPOST INPUT AUX BOILER, 24-HR PM10,GROUP 1 CLASS I AREAS
3G14AADP.INP	CALPOST INPUT GE, 24-HR PM10, GROUP 1 CLASS I AREAS
3G24AADP.INP	CALPOST INPUT GE, 24-HR PM10, GROUP 2 CLASS I AREAS
3G34AADP.INP	CALPOST INPUT GE, 24-HR PM10, GROUP 3 CLASS I AREAS
3G44AAEP.INP	CALPOST INPUT GE, 24-HR PM10, GROUP 4 CLASS I AREAS

FILE NAME	DESCRIPTION
3S15ANP.INP	CALPOST INPUT SIEMENS, ANNUAL PM10, GROUP 1 CLASS I AREAS
3S25ANP.INP	CALPOST INPUT SIEMENS, ANNUAL PM10, GROUP 2 CLASS I AREAS
3S35ANP.INP	CALPOST INPUT SIEMENS, ANNUAL PM10, GROUP 3 CLASS I AREAS
3S45ANEP.INP	CALPOST INPUT SIEMENS, ANNUAL PM10, GROUP 4 CLASS I AREAS
3G15ANP.INP	CALPOST INPUT GE, ANNUAL PM10, GROUP 1 CLASS I AREAS
3G25ANP.INP	CALPOST INPUT GE, ANNUAL PM10, GROUP 2 CLASS I AREAS
3G35ANP.INP	CALPOST INPUT GE, ANNUAL PM10, GROUP 3 CLASS I AREAS
3G45ANEP.INP	CALPOST INPUT GE, ANNUAL PM10, GROUP 4 CLASS I AREAS
3S15ANP.INP	CALPOST INPUT SIEMENS, ANNUAL PM10, GROUP 1 CLASS I AREAS
3S25ANP.INP	CALPOST INPUT SIEMENS, ANNUAL PM10, GROUP 2 CLASS I AREAS
3S35ANP.INP	CALPOST INPUT SIEMENS, ANNUAL PM10, GROUP 3 CLASS I AREAS
3S45ANEP.INP	CALPOST INPUT SIEMENS, ANNUAL PM10, GROUP 4 CLASS I AREAS
3G15ANP.INP	CALPOST INPUT GE, ANNUAL PM10, GROUP 1 CLASS I AREAS
3G25ANP.INP	CALPOST INPUT GE, ANNUAL PM10, GROUP 2 CLASS I AREAS
3G35ANP.INP	CALPOST INPUT GE, ANNUAL PM10, GROUP 3 CLASS I AREAS
3G45ANEP.INP	CALPOST INPUT GE, ANNUAL PM10, GROUP 4 CLASS I AREAS
3S15BANO.INP	CALPOST INPUT SIEMENS, ANNUAL NOX, GROUP 1 CLASS I AREAS
3S25BANO.INP	CALPOST INPUT SIEMENS, ANNUAL NOX, GROUP 2 CLASS I AREAS
3S35BANO.INP	CALPOST INPUT SIEMENS, ANNUAL NOX, GROUP 3 CLASS I AREAS
3S45EANO.INP	CALPOST INPUT SIEMENS, ANNUAL NOX, GROUP 4 CLASS I AREAS
3G15BANO.INP	CALPOST INPUT GE, ANNUAL NOX, GROUP 1 CLASS I AREAS
3G25BANO.INP	CALPOST INPUT GE, ANNUAL NOX, GROUP 2 CLASS I AREAS
3G35BANO.INP	CALPOST INPUT GE, ANNUAL NOX, GROUP 3 CLASS I AREAS
3G45EANO.INP	CALPOST INPUT GE, ANNUAL NOX, GROUP 4 CLASS I AREAS
1S14AAS.DAT	CALPUFF CONCENTRATION DAT (BINARY OUTPUT) SIEMENS 24-HR GROUP 1
1S14CS.DAT	CALPUFF CONCENTRATION DAT (BINARY OUTPUT) SIEMENS, PARTIAL LOAD 24-HR GROUP 1
1S15BANC.DAT	CALPUFF CONCENTRATION DAT (BINARY OUTPUT SIEMENS, ANNUAL, GROUP 1
1S15BAW.DAT	CALPUFF WET FLUX (BINARY OUTPUT) SIEMENS, ANNUAL, GROUP 1
1S15BAD.DAT	CALPUFF DRY FLUX (BINARY OUTPUT) SIEMENS, ANNUAL GROUP 1
1S12AADS.DAT	CALPUFF CONCENTRATION DAT (BINARY OUTPUT) SIEMENS 24-HR GROUP 2
1S25BAD.DAT	CALPUFF DRY FLUX (BINARY OUTPUT) SIEMENS, ANNUAL GROUP 2
1S25BANC.DAT	CALPUFF CONCENTRATION DAT (BINARY OUTPUT SIEMENS, ANNUAL, GROUP 2
1S25BAW.DAT	CALPUFF WET FLUX (BINARY OUTPUT) SIEMENS, ANNUAL, GROUP 2
1S34AADS.DAT	CALPUFF CONCENTRATION DAT (BINARY OUTPUT) SIEMENS 24-HR GROUP 3
1S35BAD.DAT	CALPUFF DRY FLUX (BINARY OUTPUT) SIEMENS, ANNUAL GROUP 3
1S35BANC.DAT	CALPUFF CONCENTRATION DAT (BINARY OUTPUT SIEMENS, ANNUAL, GROUP 3
1S35BAW.DAT	CALPUFF WET FLUX (BINARY OUTPUT) SIEMENS, ANNUAL, GROUP 3
1S44AAES.DAT	CALPUFF CONCENTRATION DAT (BINARY OUTPUT) SIEMENS 24-HR GROUP 4
1S45EAD.DAT	CALPUFF DRY FLUX (BINARY OUTPUT) SIEMENS, ANNUAL GROUP 4
1S45EANC.DAT	CALPUFF CONCENTRATION DAT (BINARY OUTPUT SIEMENS, ANNUAL, GROUP 4
1S45EAW.DAT	CALPUFF WET FLUX (BINARY OUTPUT) SIEMENS, ANNUAL, GROUP 4
1SJM25AC.DAT	CALPUFF CONCENTRATION DAT (BINARY OUTPUT SIEMENS, ANNUAL, JOHN MUIR, MEDIAN + FAR RINGS
1SJM25AD.DAT	CALPUFF DRY FLUX (BINARY OUTPUT) SIEMENS, ANNUAL JOHN MUIR, MEDIAN + FAR RINGS
1SJM25AW.DAT	CALPUFF WET FLUX (BINARY OUTPUT) SIEMENS, ANNUAL, JOHN MUIR, MEDIAN + FAR RINGS
1SKA5AD.DAT	CALPUFF DRY FLUX (BINARY OUTPUT) SIEMENS, ANNUAL KAISER, 3 RINGS
1SKA5ANC.DAT	CALPUFF CONCENTRATION DAT (BINARY OUTPUT SIEMENS, ANNUAL, KAISER, 3 RINGS
1SKA5AW.DAT	CALPUFF WET FLUX (BINARY OUTPUT) SIEMENS, ANNUAL, KAISER, 3 RINGS
1SKC5ANC.DAT	CALPUFF CONCENTRATION DAT (BINARY OUTPUT SIEMENS, ANNUAL, KINGS CANYON, 3 RINGS
1SKC5AW.DAT	CALPUFF WET FLUX (BINARY OUTPUT) SIEMENS, ANNUAL KINGS CANYON, 3 RINGS

FILE NAME	DESCRIPTION
1SKCAD.DAT	CALPUFF DRY FLUX (BINARY OUTPUT) SIEMENS, ANNUAL KINGS CANYON, 3 RINGS
1SSESF5AC.DAT	CALPUFF CONCENTRATION DAT (BINARY OUTPUT SIEMENS, ANNUAL, SEQUOIA, FAR RINGS
1SSEF5AD.DAT	CALPUFF DRY FLUX (BINARY OUTPUT) SIEMENS, ANNUAL SEQUOIA, FAR RINGS
1SSEF5AW.DAT	CALPUFF WET FLUX (BINARY OUTPUT) SIEMENS, ANNUAL, SEQUOIA, FAR RINGS
1SSE5AD.DAT	CALPUFF DRY FLUX (BINARY OUTPUT) SIEMENS, ANNUAL SEQUOIA, MEDIAN RINGS
1SSE5ANC.DAT	CALPUFF CONCENTRATION DAT (BINARY OUTPUT SIEMENS, ANNUAL, SEQUOIA, MEDIAN RINGS
1SSE5AW.DAT	CALPUFF WET FLUX (BINARY OUTPUT) SIEMENS, ANNUAL, SEQUOIA, MEDIAN RINGS
1G14AADS.DAT	CALPUFF CONCENTRATION DAT (BINARY OUTPUT) GE 24-HR GROUP 1
1G15BAD.DAT	CALPUFF DRY FLUX (BINARY OUTPUT) GE, ANNUAL GROUP 1
1G15BANC.DAT	CALPUFF CONCENTRATION DAT (BINARY OUTPUT GE, ANNUAL, GROUP 1
1G15BAW.DAT	CALPUFF WET FLUX (BINARY OUTPUT) GE, ANNUAL, GROUP 1
1G24AADS.DAT	CALPUFF CONCENTRATION DAT (BINARY OUTPUT) GE 24-HR GROUP 2
1G25BAD.DAT	CALPUFF DRY FLUX (BINARY OUTPUT) GE, ANNUAL GROUP 2
1G25BANC.DAT	CALPUFF CONCENTRATION DAT (BINARY OUTPUT GE, ANNUAL, GROUP 2
1G25BAW.DAT	CALPUFF WET FLUX (BINARY OUTPUT) GE, ANNUAL, GROUP 2
1G34AADS.DAT	CALPUFF CONCENTRATION DAT (BINARY OUTPUT) GE 24-HR GROUP 3
1G35BAD.DAT	CALPUFF DRY FLUX (BINARY OUTPUT) GE, ANNUAL GROUP 3
1G35BANC.DAT	CALPUFF CONCENTRATION DAT (BINARY OUTPUT GE, ANNUAL, GROUP 3
1G35BAW.DAT	CALPUFF WET FLUX (BINARY OUTPUT) GE, ANNUAL, GROUP 3
1G44AAES.DAT	CALPUFF CONCENTRATION DAT (BINARY OUTPUT) GE 24-HR GROUP 4
1G45EAD.DAT	CALPUFF DRY FLUX (BINARY OUTPUT) GE, ANNUAL GROUP 4
1G4EANC.DAT	CALPUFF CONCENTRATION DAT (BINARY OUTPUT GE, ANNUAL, GROUP 4
1G45EAW.DAT	CALPUFF WET FLUX (BINARY OUTPUT) GE, ANNUAL, GROUP 4
1GJM25AC.DAT	CALPUFF CONCENTRATION DAT (BINARY OUTPUT GE, ANNUAL, JOHN MUIR, MEDIAN + FAR RINGS
1GJM25AD.DAT	CALPUFF DRY FLUX (BINARY OUTPUT) GE, ANNUAL JOHN MUIR, MEDIAN + FAR RINGS
1GJM25AW.DAT	CALPUFF WET FLUX (BINARY OUTPUT) GE, ANNUAL, JOHN MUIR, MEDIAN + FAR RINGS
1GKC25AC.DAT	CALPUFF CONCENTRATION DAT (BINARY OUTPUT GE, ANNUAL, KINGS CANYON, MEDIAN + FAR RINGS
1GKC25AD.DAT	CALPUFF DRY FLUX (BINARY OUTPUT) GE, ANNUAL KINGS CANYON, MEDIAN + FAR RINGS
1GKC25AW.DAT	CALPUFF DRY FLUX (BINARY OUTPUT) GE, ANNUAL KINGS CANYON, MEDIAN + FAR RINGS
1GSE25AC.DAT	CALPUFF CONCENTRATION DAT (BINARY OUTPUT GE, ANNUAL, SEQUOIA, MEDIAN + FAR RINGS
1GSE25AD.DAT	CALPUFF DRY FLUX (BINARY OUTPUT) GE, ANNUAL SEQUOIA, MEDIAN + FAR RINGS
1GSE25AW.DAT	CALPUFF WET FLUX (BINARY OUTPUT) GE, ANNUAL, SEQUOIA, MEDIAN + FAR RINGS
AUX1C.DAT	CALPUFF CONCENTRATION DAT (BINARY OUTPUT) AUX BOILER 24-HR GROUP 1
AUX1D.DAT	CALPUFF DRY FLUX DAT (BINARY OUTPUT) AUX BOILER 24-HR GROUP 1
AUX1W.DAT	CALPUFF WET FLUX DAT (BINARY OUTPUT) AUX BOILER 24-HR GROUP 1
2AUX1SP.DAT	POSTUTIL CONCENTRATION DAT (BINARY OUTPUT), AUX BOILER, 24-HR,PM TOTAL, GROUP 1
2S14AADS.DAT	POSTUTIL CONCENTRATION DAT (BINARY OUTPUT), SIEMENS , 24-HR,PM TOTAL, GROUP 1
2S14CP.DAT	POSTUTIL CONCENTRATION DAT (BINARY OUTPUT), SIEMENS , 24-HR PARTIAL LOAD,PM TOTAL, GROUP 1
2S15ANP.DAT	POSTUTIL CONCENTRATION DAT (BINARY OUTPUT), SIEMENS, ANNUAL, PM TOTAL, GROUP 1
2S15BDP.DAT	POSTUTIL CONCENTRATION DAT (BINARY OUTPUT), SIEMENS, ANNUAL, DEPOSITION, GROUP 1
2S24AADS.DAT	POSTUTIL CONCENTRATION DAT (BINARY OUTPUT), SIEMENS , 24-HR,PM TOTAL, GROUP 2
2S25ANP.DAT	POSTUTIL CONCENTRATION DAT (BINARY OUTPUT), SIEMENS, ANNUAL, PM TOTAL, GROUP 2
2S25BDP.DAT	POSTUTIL CONCENTRATION DAT (BINARY OUTPUT), SIEMENS, ANNUAL, DEPOSITION, GROUP 2
2S344AADS.DAT	POSTUTIL CONCENTRATION DAT (BINARY OUTPUT), SIEMENS , 24-HR,PM TOTAL, GROUP 3
2S35ANP.DAT	POSTUTIL CONCENTRATION DAT (BINARY OUTPUT), SIEMENS, ANNUAL, PM TOTAL, GROUP 3
2S35BDP.DAT	POSTUTIL CONCENTRATION DAT (BINARY OUTPUT), SIEMENS, ANNUAL, DEPOSITION, GROUP 3
2S44AAES.DAT	POSTUTIL CONCENTRATION DAT (BINARY OUTPUT), SIEMENS , 24-HR,PM TOTAL, GROUP 4
2S45ANEP.DAT	POSTUTIL CONCENTRATION DAT (BINARY OUTPUT), SIEMENS, ANNUAL, PM TOTAL, GROUP 4
2S45EDEP.DAT	POSTUTIL CONCENTRATION DAT (BINARY OUTPUT), SIEMENS, ANNUAL, DEPOSITION, GROUP 4

FILE NAME	DESCRIPTION
2SKA35DP.DAT	POSTUTIL CONCENTRATION DAT (BINARY OUTPUT), SIEMENS, ANNUAL, DEPOSITION, KAISER, 3 RINGS
2SKC35DP.DAT	POSTUTIL CONCENTRATION DAT (BINARY OUTPUT), SIEMENS, ANNUAL, DEPOSITION, KINGS CANYON, 3 RINGS
2SSEF5DP.DAT	POSTUTIL CONCENTRATION DAT (BINARY OUTPUT), SIEMENS, ANNUAL, DEPOSITION, SEQUOIA, FAR RING
2SSEM5DP.DAT	POSTUTIL CONCENTRATION DAT (BINARY OUTPUT), SIEMENS, ANNUAL, DEPOSITION, SEQUOIA, MEDIAN RING
2SSJM2DP.DAT	POSTUTIL CONCENTRATION DAT (BINARY OUTPUT), SIEMENS, ANNUAL, DEPOSITION, JOHN MUIR, MEDIAN + FAR RINGS
2G14AADS.DAT	POSTUTIL CONCENTRATION DAT (BINARY OUTPUT), GE , 24-HR,PM TOTAL, GROUP 1
2G15ANP.DAT	POSTUTIL CONCENTRATION DAT (BINARY OUTPUT), GE, ANNUAL, PM TOTAL, GROUP 1
2G15BDP.DAT	POSTUTIL CONCENTRATION DAT (BINARY OUTPUT), GE, ANNUAL, DEPOSITION, GROUP 1
2G24AADS.DAT	POSTUTIL CONCENTRATION DAT (BINARY OUTPUT), GE , 24-HR,PM TOTAL, GROUP 2
2G25ANP.DAT	POSTUTIL CONCENTRATION DAT (BINARY OUTPUT), GE, ANNUAL, PM TOTAL, GROUP 2
2G25BDP.DAT	POSTUTIL CONCENTRATION DAT (BINARY OUTPUT), GE, ANNUAL, DEPOSITION, GROUP 2
2G34AADS.DAT	POSTUTIL CONCENTRATION DAT (BINARY OUTPUT), GE , 24-HR,PM TOTAL, GROUP 3
2G35ANP.DAT	POSTUTIL CONCENTRATION DAT (BINARY OUTPUT), GE, ANNUAL, PM TOTAL, GROUP 3
2G35BDP.DAT	POSTUTIL CONCENTRATION DAT (BINARY OUTPUT), GE, ANNUAL, DEPOSITION, GROUP 3
2G44AAES.DAT	POSTUTIL CONCENTRATION DAT (BINARY OUTPUT), GE , 24-HR,PM TOTAL, GROUP 4
2G45ANEP.DAT	POSTUTIL CONCENTRATION DAT (BINARY OUTPUT), GE, ANNUAL, PM TOTAL, GROUP 4
2G45EDEP.DAT	POSTUTIL CONCENTRATION DAT (BINARY OUTPUT), GE, ANNUAL, DEPOSITION, GROUP 4
2GJM25DP.DAT	POSTUTIL CONCENTRATION DAT (BINARY OUTPUT), GE, ANNUAL, DEPOSITION, JOHN MUIR, MEDIAN + FAR RINGS
2GKC25DP.DAT	POSTUTIL CONCENTRATION DAT (BINARY OUTPUT), GE, ANNUAL, DEPOSITION, KINGS CANYON, 3 RINGS
2GSE25DP.DAT	POSTUTIL CONCENTRATION DAT (BINARY OUTPUT), GE, ANNUAL, DEPOSITION, SEQUOIA, MEDIAN +FAR RING
1S14AABS.LST	CALPUFF LIST FILE (OUTPUT SUMMARY) SIEMENS, 24-HR, CONCENTRATION, GROUP 1
1S14CS.LST	CALPUFF LIST FILE (OUTPUT SUMMARY) SIEMENS, 24-HR PARTIAL LOAD, CONCENTRATION, GROUP 1
1S15BAN.LST	CALPUFF LIST FILE (OUTPUT SUMMARY) SIEMENS, ANNUAL, CONCENTRATION, GROUP 1
1S24AADS.LST	CALPUFF LIST FILE (OUTPUT SUMMARY) SIEMENS, 24-HR, CONCENTRATION, GROUP 2
1S25BAN.LST	CALPUFF LIST FILE (OUTPUT SUMMARY) SIEMENS, ANNUAL, CONCENTRATION, GROUP 2
1S34AADS.LST	CALPUFF LIST FILE (OUTPUT SUMMARY) SIEMENS, 24-HR, CONCENTRATION, GROUP 3
1S35BAN.LST	CALPUFF LIST FILE (OUTPUT SUMMARY) SIEMENS, ANNUAL, CONCENTRATION, GROUP 3
1S44AAES.LST	CALPUFF LIST FILE (OUTPUT SUMMARY) SIEMENS, 24-HR, CONCENTRATION, GROUP 4
1S15EAN.LST	CALPUFF LIST FILE (OUTPUT SUMMARY) SIEMENS, ANNUAL, CONCENTRATION, GROUP 4
1SJM25AN.LST	CALPUFF LIST FILE (OUTPUT SUMMARY) SIEMENS, ANNUAL, CONCENTRATION, JOHN MUIR MEDIAN+FAR
1SKA5AN.LST	CALPUFF LIST FILE (OUTPUT SUMMARY) SIEMENS, ANNUAL, CONCENTRATION, KAISER 3 RINGS
1SKC5AN.LST	CALPUFF LIST FILE (OUTPUT SUMMARY) SIEMENS, ANNUAL, CONCENTRATION, KINGS CANYON 3 RINGS
1SSE5ANF.LST	CALPUFF LIST FILE (OUTPUT SUMMARY) SIEMENS, ANNUAL, CONCENTRATION, SEQUOIA, FAR RING
1SSE5ANM.LST	CALPUFF LIST FILE (OUTPUT SUMMARY) SIEMENS, ANNUAL, CONCENTRATION, SEQUOIA, MEDIAN RING
1G14AADS.LST	CALPUFF LIST FILE (OUTPUT SUMMARY) GE, 24-HR, CONCENTRATION, GROUP 1
1G15BAN.LST	CALPUFF LIST FILE (OUTPUT SUMMARY) SIEMENS, ANNUAL, CONCENTRATION, GROUP 1
1G24AADS.LST	CALPUFF LIST FILE (OUTPUT SUMMARY) SIEMENS, 24-HR, CONCENTRATION, GROUP 2
1G25BAN.LST	CALPUFF LIST FILE (OUTPUT SUMMARY) SIEMENS, ANNUAL, CONCENTRATION, GROUP 2
1G34AADS.LST	CALPUFF LIST FILE (OUTPUT SUMMARY) SIEMENS, 24-HR, CONCENTRATION, GROUP 3
1G35BAN.LST	CALPUFF LIST FILE (OUTPUT SUMMARY) SIEMENS, ANNUAL, CONCENTRATION, GROUP 3
1G44AAES.LST	CALPUFF LIST FILE (OUTPUT SUMMARY) SIEMENS, 24-HR, CONCENTRATION, GROUP 4
1G15EAN.LST	CALPUFF LIST FILE (OUTPUT SUMMARY) SIEMENS, ANNUAL, CONCENTRATION, GROUP 4
1GJM25AN.LST	CALPUFF LIST FILE (OUTPUT SUMMARY) SIEMENS, ANNUAL, CONCENTRATION, JOHN MUIR MEDIAN+FAR
1GKC25AN.LST	CALPUFF LIST FILE (OUTPUT SUMMARY) SIEMENS, ANNUAL, CONCENTRATION, KINGS CANYON MEDIAN + FAR
1GSE25AN.LST	CALPUFF LIST FILE (OUTPUT SUMMARY) SIEMENS, ANNUAL, CONCENTRATION, SEQUOIA, MEDIAN+FAR
AUX1.LST	CALPUFF LIST FILE (OUTPUT SUMMARY) AUX BOILER, 24-HR, CONCENTRATION, GROUP 1
2S14AADS.LST	POSTUTIL LIST FILE (OUTPUT SUMMARY) SIEMENS, 24-HR, PM TOTAL, GROUP 1
2S14CP.LST	POSTUTIL LIST FILE (OUTPUT SUMMARY) SIEMENS, 24-HR PARTIAL LOAD, PM TOTAL, GROUP 1
2S15ANP.LST	POSTUTIL LIST FILE (OUTPUT SUMMARY) SIEMENS, ANNUAL, PM TOTAL, GROUP 1

FILE NAME	DESCRIPTION
2S15BDP.LST	POSTUTIL LIST FILE (OUTPUT SUMMARY) SIEMENS, ANNUAL, DEPOSITION, GROUP 1
2S24AADS.LST	POSTUTIL LIST FILE (OUTPUT SUMMARY) SIEMENS, 24-HR, PM TOTAL, GROUP 2
2S25ANP.LST	POSTUTIL LIST FILE (OUTPUT SUMMARY) SIEMENS, ANNUAL, PM TOTAL, GROUP 2
2S25DP.LST	POSTUTIL LIST FILE (OUTPUT SUMMARY) SIEMENS, ANNUAL, DEPOSITION, GROUP 2
2S34AADS.LST	POSTUTIL LIST FILE (OUTPUT SUMMARY) SIEMENS, 24-HR, PM TOTAL, GROUP 3
2S35ANP.LST	POSTUTIL LIST FILE (OUTPUT SUMMARY) SIEMENS, ANNUAL, PM TOTAL, GROUP 3
2S35BDP.LST	POSTUTIL LIST FILE (OUTPUT SUMMARY) SIEMENS, ANNUAL, DEPOSITION, GROUP 3
2S44AAES.LST	POSTUTIL LIST FILE (OUTPUT SUMMARY) SIEMENS, 24-HR, PM TOTAL, GROUP 4
2S4ANEP.LST	POSTUTIL LIST FILE (OUTPUT SUMMARY) SIEMENS, ANNUAL, PM TOTAL, GROUP 4
2S4EDEP.LST	POSTUTIL LIST FILE (OUTPUT SUMMARY) SIEMENS, ANNUAL, DEPOSITION, GROUP 4
2SJM25DP.LST	POSTUTIL LIST FILE (OUTPUT SUMMARY) SIEMENS, ANNUAL, DEPOSITION, JOHN MUIR MEDIAN+FAR
2SKA35DP.LST	POSTUTIL LIST FILE (OUTPUT SUMMARY) SIEMENS, ANNUAL, DEPOSITION, KAISER 3 RINGS
2SKC35DP.LST	POSTUTIL LIST FILE (OUTPUT SUMMARY) SIEMENS, ANNUAL, DEPOSITION, KINGS CANYON 3 RINGS
2SSEF5DP.LST	POSTUTIL LIST FILE (OUTPUT SUMMARY) SIEMENS, ANNUAL, DEPOSITION, SEQUOIA FAR RING
2SSEM5DP.LST	POSTUTIL LIST FILE (OUTPUT SUMMARY) SIEMENS, ANNUAL, DEPOSITION, SEQUOIA MEDIAN RING
2AUX1SP.LST	POSTUTIL LIST FILE (OUTPUT SUMMARY) AUX BOILER, 24-HR, PM TOTAL, GROUP 1
2G14AADS.LST	POSTUTIL LIST FILE (OUTPUT SUMMARY) GE, 24-HR, PM TOTAL, GROUP 1
2G15ANP.LST	POSTUTIL LIST FILE (OUTPUT SUMMARY) GE, ANNUAL, PM TOTAL, GROUP 1
2G15BDP.LST	POSTUTIL LIST FILE (OUTPUT SUMMARY) GE, ANNUAL, DEPOSITION, GROUP 1
2G24AADS.LST	POSTUTIL LIST FILE (OUTPUT SUMMARY) GE, 24-HR, PM TOTAL, GROUP 2
2G25ANP.LST	POSTUTIL LIST FILE (OUTPUT SUMMARY) GE, ANNUAL, PM TOTAL, GROUP 2
2G25DP.LST	POSTUTIL LIST FILE (OUTPUT SUMMARY) GE, ANNUAL, DEPOSITION, GROUP 2
2G34AADS.LST	POSTUTIL LIST FILE (OUTPUT SUMMARY) GE, 24-HR, PM TOTAL, GROUP 3
2G35ANP.LST	POSTUTIL LIST FILE (OUTPUT SUMMARY) GE, ANNUAL, PM TOTAL, GROUP 3
2G35BDP.LST	POSTUTIL LIST FILE (OUTPUT SUMMARY) GE, ANNUAL, DEPOSITION, GROUP 3
2G44AAES.LST	POSTUTIL LIST FILE (OUTPUT SUMMARY) GE, 24-HR, PM TOTAL, GROUP 4
2G45ANEP.LST	POSTUTIL LIST FILE (OUTPUT SUMMARY) GE, ANNUAL, PM TOTAL, GROUP 4
2G45EDEP.LST	POSTUTIL LIST FILE (OUTPUT SUMMARY) GE, ANNUAL, DEPOSITION, GROUP 4
2GJM25DP.LST	POSTUTIL LIST FILE (OUTPUT SUMMARY) GE, ANNUAL, DEPOSITION, JOHN MUIR MEDIAN+FAR
2GKC25DP.LST	POSTUTIL LIST FILE (OUTPUT SUMMARY) GE, ANNUAL, DEPOSITION, KINGS CANYON MEDIAN+FAR
2GSE25DP.LST	POSTUTIL LIST FILE (OUTPUT SUMMARY) GE, ANNUAL, DEPOSITION, SEQUOIA MEDIAN+FAR RING
3S1AAD1V.LST	CALPOST OUTPUT FILE SIEMENS, VISIBILITY, KINGS CANYON
3SSEAADV.LST	CALPOST OUTPUT FILE SIEMENS, VISIBILITY, SEQUOIA
3SJMAADV.LST	CALPOST OUTPUT FILE SIEMENS, VISIBILITY, JOHN MUIR
3SKAAADV.LST	CALPOST OUTPUT FILE SIEMENS, VISIBILITY, KAISER
3SAAAADV.LST	CALPOST OUTPUT FILE SIEMENS, VISIBILITY, ANSEL ADAMS
3SYOAADV.LST	CALPOST OUTPUT FILE SIEMENS, VISIBILITY, YOSEMITE
3SHOAADV.LST	CALPOST OUTPUT FILE SIEMENS, VISIBILITY, HOOVER
3SEMAADV.LST	CALPOST OUTPUT FILE SIEMENS, VISIBILITY, EMIGRANT
3SDLAADV.LST	CALPOST OUTPUT FILE SIEMENS, VISIBILITY, DOME LAND
3SPIAAEV.LST	CALPOST OUTPUT FILE SIEMENS, VISIBILITY, PINNACLES
3SVEAAEV.LST	CALPOST OUTPUT FILE SIEMENS, VISIBILITY, VENTANA
3GKCAADV.LST	CALPOST OUTPUT FILE GE, VISIBILITY, KINGS CANYON
3GSEAADV.LST	CALPOST OUTPUT FILE GE, VISIBILITY, SEQUOIA
3GJMAADV.LST	CALPOST OUTPUT FILE GE, VISIBILITY, JOHN MUIR
3GKAAADV.LST	CALPOST OUTPUT FILE GE, VISIBILITY, KAISER
3GAAAADV.LST	CALPOST OUTPUT FILE GE, VISIBILITY, ANSEL ADAMS
3GYOAADV.LST	CALPOST OUTPUT FILE GE, VISIBILITY, YOSEMITE
3GHOAADV.LST	CALPOST OUTPUT FILE GE, VISIBILITY, HOOVER

FILE NAME	DESCRIPTION
3GEMAADV.LST	CALPOST OUTPUT FILE GE, VISIBILITY, EMIGRANT
3GDLAADV.LST	CALPOST OUTPUT FILE GE, VISIBILITY, DOME LAND
3GPIAAEV.LST	CALPOST OUTPUT FILE GE, VISIBILITY, PINNACLES
3GVEAAEV.LST	CALPOST OUTPUT FILE GE, VISIBILITY, VENTANA
3AUX1V.LST	CALPOST OUTPUT FILE AUX BOILER, VISIBILITY, KINGS CANYON
3KC5BN.LST	CALPOST OUTPUT FILE SIEMENS, N DEPOSITION, KINGS CANYON
3SSE5BN.LST	CALPOST OUTPUT FILE SIEMENS, N DEPOSITION, SEQUOIA
3SJM5BN.LST	CALPOST OUTPUT FILE SIEMENS, N DEPOSITION, JOHN MUIR
3SKM5BN.LST	CALPOST OUTPUT FILE SIEMENS, N DEPOSITION, KAISER
3SAA5BN.LST	CALPOST OUTPUT FILE SIEMENS, N DEPOSITION, ANSEL ADAMS
3SYO5BN.LST	CALPOST OUTPUT FILE SIEMENS, N DEPOSITION, YOSEMITE
3SHO5BN.LST	CALPOST OUTPUT FILE SIEMENS, N DEPOSITION, HOOVER
3SEM5BN.LST	CALPOST OUTPUT FILE SIEMENS, N DEPOSITION, EMIGRANT
3SDL5BN.LST	CALPOST OUTPUT FILE SIEMENS, N DEPOSITION, DOME LAND
3SPI5EN.LST	CALPOST OUTPUT FILE SIEMENS, N DEPOSITION, PINNACLES
3SVE5EN.LST	CALPOST OUTPUT FILE SIEMENS, N DEPOSITION, VENTANA
3GKC5BN.LST	CALPOST OUTPUT FILE GE, N DEPOSITION, KINGS CANYON
3GSE5BN.LST	CALPOST OUTPUT FILE GE, N DEPOSITION, SEQUOIA
3GJM5BN.LST	CALPOST OUTPUT FILE GE, N DEPOSITION, JOHN MUIR
3GKA5BN.LST	CALPOST OUTPUT FILE GE, N DEPOSITION, KAISER
3GAA5BN.LST	CALPOST OUTPUT FILE GE, N DEPOSITION, ANSEL ADAMS
3GYO5BN.LST	CALPOST OUTPUT FILE GE, N DEPOSITION, YOSEMITE
3GHO5BN.LST	CALPOST OUTPUT FILE GE, N DEPOSITION, HOOVER
3GEM5BN.LST	CALPOST OUTPUT FILE GE, N DEPOSITION, EMIGRANT
3GDL5BN.LST	CALPOST OUTPUT FILE GE, N DEPOSITION, DOME LAND
3GPI5EN.LST	CALPOST OUTPUT FILE GE, N DEPOSITION, PINNACLES
3GVE5EN.LST	CALPOST OUTPUT FILE GE, N DEPOSITION, VENTANA
3KC5BS.LST	CALPOST OUTPUT FILE SIEMENS, S DEPOSITION, KINGS CANYON
3SSE5BS.LST	CALPOST OUTPUT FILE SIEMENS, S DEPOSITION, SEQUOIA
3SJM5BS.LST	CALPOST OUTPUT FILE SIEMENS, S DEPOSITION, JOHN MUIR
3SKA5BS.LST	CALPOST OUTPUT FILE SIEMENS, S DEPOSITION, KAISER
3SAA5BS.LST	CALPOST OUTPUT FILE SIEMENS, S DEPOSITION, ANSEL ADAMS
3SYO5BS.LST	CALPOST OUTPUT FILE SIEMENS, S DEPOSITION, YOSEMITE
3SHO5BS.LST	CALPOST OUTPUT FILE SIEMENS, S DEPOSITION, HOOVER
3SEM5BS.LST	CALPOST OUTPUT FILE SIEMENS, S DEPOSITION, EMIGRANT
3SDL5BS.LST	CALPOST OUTPUT FILE SIEMENS, S DEPOSITION, DOME LAND
3SPI5ES.LST	CALPOST OUTPUT FILE SIEMENS, S DEPOSITION, PINNACLES
3SVE5ES.LST	CALPOST OUTPUT FILE SIEMENS, S DEPOSITION, VENTANA
3GKC5BS.LST	CALPOST OUTPUT FILE GE, S DEPOSITION, KINGS CANYON
3GSE5BS.LST	CALPOST OUTPUT FILE GE, S DEPOSITION, SEQUOIA
3GJM5BS.LST	CALPOST OUTPUT FILE GE, S DEPOSITION, JOHN MUIR
3GKA5BS.LST	CALPOST OUTPUT FILE GE, S DEPOSITION, KAISER
3GAA5BS.LST	CALPOST OUTPUT FILE GE, S DEPOSITION, ANSEL ADAMS
3GYO5BS.LST	CALPOST OUTPUT FILE GE, S DEPOSITION, YOSEMITE
3GHO5BS.LST	CALPOST OUTPUT FILE GE, S DEPOSITION, HOOVER
3GEM5BS.LST	CALPOST OUTPUT FILE GE, S DEPOSITION, EMIGRANT
3GDL5BS.LST	CALPOST OUTPUT FILE GE, S DEPOSITION, DOME LAND
3GPI5ES.LST	CALPOST OUTPUT FILE GE, S DEPOSITION, PINNACLES
3GVE5ES.LST	CALPOST OUTPUT FILE GE, S DEPOSITION, VENTANA

FILE NAME	DESCRIPTION
3SKC35BN.LST	CALPOST OUTPUT FILE SIEMENS, N DEPOSITION, KINGS CANYON, 3 RINGS
3SSEM5BN.LST	CALPOST OUTPUT FILE SIEMENS, N DEPOSITION, SEQUOIA MEDIAN RING
3SSEF5BN.LST	CALPOST OUTPUT FILE SIEMENS, N DEPOSITION, SEQUOIA FAR RING
3SJM25BN.LST	CALPOST OUTPUT FILE SIEMENS, N DEPOSITION, JOHN MUIR, MEDIAN + FAR RING
3SKA35BN.LST	CALPOST OUTPUT FILE SIEMENS, N DEPOSITION, KAISER, 3 RING
3GKC25BN.LST	CALPOST OUTPUT FILE GE, N DEPOSITION, KINGS CANYON, MEDIAN + FAR RING
3GSE25BN.LST	CALPOST OUTPUT FILE GE, N DEPOSITION, SEQUOIA MEDIAN + FAR RING
3GJM25BN.LST	CALPOST OUTPUT FILE GE, N DEPOSITION, JOHN MUIR, MEDIAN + FAR RING
3S14AADP.LST	CALPOST OUTPUT SIEMENS, 24-HR PM10, GROUP 1 CLASS I AREAS
3S24AADP.LST	CALPOST OUTPUT SIEMENS, 24-HR PM10, GROUP 2 CLASS I AREAS
3S34AADP.LST	CALPOST OUTPUT SIEMENS, 24-HR PM10, GROUP 3 CLASS I AREAS
3S44AAEP.LST	CALPOST OUTPUT SIEMENS, 24-HR PM10, GROUP 4 CLASS I AREAS
3S14CP.LST	CALPOST OUTPUT SIEMENS, 24-HR PM10,PARTIAL LOAD GROUP 1 CLASS I AREAS
3AUX1SP.LST	CALPOST OUTPUT AUX BOILER, 24-HR PM10,GROUP 1 CLASS I AREAS
3G14AADP.LST	CALPOST OUTPUT GE, 24-HR PM10, GROUP 1 CLASS I AREAS
3G24AADP.LST	CALPOST OUTPUT GE, 24-HR PM10, GROUP 2 CLASS I AREAS
3G34AADP.LST	CALPOST OUTPUT GE, 24-HR PM10, GROUP 3 CLASS I AREAS
3G44AAEP.LST	CALPOST OUTPUT GE, 24-HR PM10, GROUP 4 CLASS I AREAS
3S15ANP.LST	CALPOST OUTPUT SIEMENS, ANNUAL PM10, GROUP 1 CLASS I AREAS
3S25ANP.LST	CALPOST OUTPUT SIEMENS, ANNUAL PM10, GROUP 2 CLASS I AREAS
3S35ANP.LST	CALPOST OUTPUT SIEMENS, ANNUAL PM10, GROUP 3 CLASS I AREAS
3S45ANEP.LST	CALPOST OUTPUT SIEMENS, ANNUAL PM10, GROUP 4 CLASS I AREAS
3G15ANP.LST	CALPOST OUTPUT GE, ANNUAL PM10, GROUP 1 CLASS I AREAS
3G25ANP.LST	CALPOST OUTPUT GE, ANNUAL PM10, GROUP 2 CLASS I AREAS
3G35ANP.LST	CALPOST OUTPUT GE, ANNUAL PM10, GROUP 3 CLASS I AREAS
3G45ANEP.LST	CALPOST OUTPUT GE, ANNUAL PM10, GROUP 4 CLASS I AREAS
3S15ANP.LST	CALPOST OUTPUT SIEMENS, ANNUAL PM10, GROUP 1 CLASS I AREAS
3S25ANP.LST	CALPOST OUTPUT SIEMENS, ANNUAL PM10, GROUP 2 CLASS I AREAS
3S35ANP.LST	CALPOST OUTPUT SIEMENS, ANNUAL PM10, GROUP 3 CLASS I AREAS
3S45ANEP.LST	CALPOST OUTPUT SIEMENS, ANNUAL PM10, GROUP 4 CLASS I AREAS
3G15ANP.LST	CALPOST OUTPUT GE, ANNUAL PM10, GROUP 1 CLASS I AREAS
3G25ANP.LST	CALPOST OUTPUT GE, ANNUAL PM10, GROUP 2 CLASS I AREAS
3G35ANP.LST	CALPOST OUTPUT GE, ANNUAL PM10, GROUP 3 CLASS I AREAS
3G45ANEP.LST	CALPOST OUTPUT GE, ANNUAL PM10, GROUP 4 CLASS I AREAS
3S15BANO.LST	CALPOST OUTPUT SIEMENS, ANNUAL NOX, GROUP 1 CLASS I AREAS
3S25BANO.LST	CALPOST OUTPUT SIEMENS, ANNUAL NOX, GROUP 2 CLASS I AREAS
3S35BANO.LST	CALPOST OUTPUT SIEMENS, ANNUAL NOX, GROUP 3 CLASS I AREAS
3S45EANO.LST	CALPOST OUTPUT SIEMENS, ANNUAL NOX, GROUP 4 CLASS I AREAS
3G15BANO.LST	CALPOST OUTPUT GE, ANNUAL NOX, GROUP 1 CLASS I AREAS
3G25BANO.LST	CALPOST OUTPUT GE, ANNUAL NOX, GROUP 2 CLASS I AREAS
3G35BANO.LST	CALPOST OUTPUT GE, ANNUAL NOX, GROUP 3 CLASS I AREAS
3G45EANO.LST	CALPOST OUTPUT GE, ANNUAL NOX, GROUP 4 CLASS I AREAS

Group 1: Kings Canyon, Sequoia, John Muir, Kaiser
Group 2: Ansel Adams, Yosemite, Hoover, Emigrant
Group 3: Dome Land
Group 4: Pinnacles, Ventana