ANEXO 4-4 Resultados de la simulación ISCST3 dispersión de la emisión de partículas inferiores a 10 micras; Terminal Portuario Refinería de Cartagena, ponderación 24 horas y 12 meses (anual)

Resultados de la simulación ISCST3 dispersión de la emisión de partículas inferiores a 10 micras; Puerto Refinería de Cartagena, ponderación 24 horas y 12 meses (anual)

```
CO STARTING
** CONTROL DE EJECUCION
  TITLEONE  SIMULACION EMISION DE PARTICULAS REFICAR 24 HRAS Y ANUAL
  TITLETWO  Terreno plano - PROYECTO PUERTO REFICAR
  MODELOPT  CONC   RURAL
  AVERTIME  24 PERIOD
  POLLUTID  PM
  DCAYCOEF .000000
  TERRHGTS  FLAT
  RUNORNOT  RUN
  ERRORFIL  DEPERR.OUT
CO FINISHED

SO STARTING
** INFORMACION DE LAS FUENTES DE EMISION
  ELEVUNIT  METERS
**
  LOCATION  COQUE1    VOLUME  842439.92 1632400.14   5.0
  LOCATION  COQUE2    VOLUME  843310.61 1632288.72   5.0
  LOCATION  COQUE3    VOLUME  842176.86 1632522.80   9.0
**
** Point Source           QS    HS   Sy   Sz
** Parameters:       ---------- ----  ----- ----
**
  SRCPARAM  COQUE1   0.01021500 20.0  9.3   1.20
  SRCPARAM  COQUE2   0.01021500 20.0  9.3   1.20
  SRCPARAM  COQUE3   0.01273722 20.0  9.3   1.20
**
  SRCGROUP  ALL
SO FINISHED

RE STARTING
RE ELEVUNIT METERS
RE GRIDCART CARD1 STA
RE GRIDCART CARD1 XYINC 841300. 45 95. 1631000. 40 95.
RE GRIDCART CARD1 END
RE FINISHED

ME STARTING
ME INPUTFIL  METCAR.MET (4I2,F9.4,F8.4,F6.1,I2,2(1X,F5.0))
```

```
ME ANEMHGHT    10.0 METERS
ME SURFDATA  11114  2006         SURFNAME
ME UAIRDATA  11114  2006         UAIRNAME
ME WINDCATS   1.54   3.09   5.14   8.23  10.80
ME WDROTATE  180
ME FINISHED

OU STARTING
  RECTABLE  ALLAVE FIRST
  MAXTABLE  ALLAVE 50
  PLOTFILE  24 ALL FIRST PM10_24H.TXT
  PLOTFILE  PERIOD ALL PM10_PER.TXT
OU FINISHED


 *** Message Summary For ISC3 Model Setup ***

 --------- Summary of Total Messages --------

A Total of         0 Fatal Error Message(s)
A Total of         1 Warning Message(s)
A Total of         0 Informational Message(s)


  ******** FATAL ERROR MESSAGES ********
         *** NONE ***


  ********   WARNING MESSAGES   ********
RE W282    37 CHK_EL:RecElev < SrcBase; See non-DFAULT HE>ZI option in  MCB#9

***************************************
*** SETUP Finishes Successfully ***
***************************************

 *** ISCST3 - VERSION 02035 ***     ***  SIMULACION EMISION DE PARTICULAS REFICAR 24 HRAS Y ANUAL
***       04/22/09
                    *** Terreno plano - PROYECTO PUERTO REFICAR                    ***       19:17:50
**MODELOPTs:                                                          PAGE   1
CONC              RURAL FLAT

                          ***    MODEL SETUP OPTIONS SUMMARY     ***
------------------------------------------------------------------------

**Intermediate Terrain Processing is Selected

**Model Is Setup For Calculation of Average CONCentration Values.

 --  SCAVENGING/DEPOSITION LOGIC --
```

```
**Model Uses NO DRY DEPLETION.  DDPLETE =  F
**Model Uses NO WET DEPLETION.  WDPLETE =  F
**NO WET SCAVENGING Data Provided.
**NO GAS DRY DEPOSITION Data Provided.
**Model Does NOT Use GRIDDED TERRAIN Data for Depletion Calculations

**Model Uses RURAL Dispersion.

**Model Uses User-Specified Options:
      1. Final Plume Rise.
      2. Stack-tip Downwash.
      3. Buoyancy-induced Dispersion.
      4. Calms Processing Routine.
      5. Not Use Missing Data Processing Routine.
      6. Default Wind Profile Exponents.
      7. Default Vertical Potential Temperature Gradients.

**Model Assumes Receptors on FLAT Terrain.

**Model Assumes No FLAGPOLE Receptor Heights.

**Model Calculates  1 Short Term Average(s) of:  24-HR
  and Calculates PERIOD Averages

**This Run Includes:    3 Source(s);    1 Source Group(s); and   1800 Receptor(s)

**The Model Assumes A Pollutant Type of:  PM

**Model Set To Continue RUNning After the Setup Testing.

**Output Options Selected:
     Model Outputs Tables of PERIOD Averages by Receptor
     Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
     Model Outputs Tables of Overall Maximum Short Term Values (MAXTABLE Keyword)
     Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)

**NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                  m for Missing Hours
                                  b for Both Calm and Missing Hours

**Misc. Inputs:  Anem. Hgt. (m) =   10.00 ;   Decay Coef. =   0.000   ;   Rot. Angle =   180.0
         Emission Units = GRAMS/SEC                    ; Emission Rate Unit Factor =   0.10000E+07
         Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =    1.3 MB of RAM.

**Input Runstream File:       PM10.INP
**Output Print File:         PM10.OUT
**Detailed Error/Message File:  DEPERR.OUT
```

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	EMISSION RATE SCALAR VARY BY
COQUE1	0	0.10215E-01	842439.9	1632400.1	5.0	20.00	9.30	1.20	
COQUE2	0	0.10215E-01	843310.6	1632288.8	5.0	20.00	9.30	1.20	
COQUE3	0	0.12737E-01	842176.9	1632522.8	9.0	20.00	9.30	1.20	

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	COQUE1 , COQUE2 , COQUE3 ,

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: CARD1 ; NETWORK TYPE: GRIDCART ***

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

841300.0, 841395.0, 841490.0, 841585.0, 841680.0, 841775.0, 841870.0, 841965.0, 842060.0, 842155.0,

842250.0, 842345.0, 842440.0, 842535.0, 842630.0, 842725.0, 842820.0, 842915.0, 843010.0, 843105.0,
843200.0, 843295.0, 843390.0, 843485.0, 843580.0, 843675.0, 843770.0, 843865.0, 843960.0, 844055.0,
844150.0, 844245.0, 844340.0, 844435.0, 844530.0, 844625.0, 844720.0, 844815.0, 844910.0, 845005.0,
845100.0, 845195.0, 845290.0, 845385.0, 845480.0,

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

1631000.0, 1631095.0, 1631190.0, 1631285.0, 1631380.0, 1631475.0, 1631570.0, 1631665.0, 1631760.0, 1631855.0,
1631950.0, 1632045.0, 1632140.0, 1632235.0, 1632330.0, 1632425.0, 1632520.0, 1632615.0, 1632710.0, 1632805.0,
1632900.0, 1632995.0, 1633090.0, 1633185.0, 1633280.0, 1633375.0, 1633470.0, 1633565.0, 1633660.0, 1633755.0,
1633850.0, 1633945.0, 1634040.0, 1634135.0, 1634230.0, 1634325.0, 1634420.0, 1634515.0, 1634610.0, 1634705.0,

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

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

1.54, 3.09, 5.14, 8.23, 10.80,

*** WIND PROFILE EXPONENTS ***

STABILITY CATEGORY	WIND SPEED CATEGORY 1	2	3	4	5	6
A	.70000E-01	.70000E-01	.70000E-01	.70000E-01	.70000E-01	.70000E-01
B	.70000E-01	.70000E-01	.70000E-01	.70000E-01	.70000E-01	.70000E-01
C	.10000E+00	.10000E+00	.10000E+00	.10000E+00	.10000E+00	.10000E+00
D	.15000E+00	.15000E+00	.15000E+00	.15000E+00	.15000E+00	.15000E+00
E	.35000E+00	.35000E+00	.35000E+00	.35000E+00	.35000E+00	.35000E+00
F	.55000E+00	.55000E+00	.55000E+00	.55000E+00	.55000E+00	.55000E+00

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

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

CONC RURAL FLAT

*** THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

FILE: METCAR.MET
FORMAT: (4I2,F9.4,F8.4,F6.1,I2,2(1X,F5.0))
SURFACE STATION NO.: 11114 UPPER AIR STATION NO.: 11114
NAME: SURFNAME NAME: UAIRNAME
YEAR: 2006 YEAR: 2006

YR	MN	DY	HR	FLOW VECTOR	SPEED (M/S)	TEMP (K)	STAB CLASS	MIXING HEIGHT (M) RURAL	MIXING HEIGHT (M) URBAN	USTAR (M/S)	M-O LENGTH (M)	Z-0 (M)	IPCODE	PRATE (mm/HR)
06	01	01	02	360.0	1.40	298.3	6	200.0	200.0	0.0000	0.0	0.0000	0	0.00
06	01	01	03	360.0	0.60	298.4	6	200.0	200.0	0.0000	0.0	0.0000	0	0.00
06	01	01	04	360.0	0.00	298.8	6	200.0	200.0	0.0000	0.0	0.0000	0	0.00
06	01	01	05	45.0	0.60	299.4	6	200.0	200.0	0.0000	0.0	0.0000	0	0.00

```
06 01 01 06   45.0  0.60  300.2  6    200.0   200.0   0.0000      0.0  0.0000  0   0.00
06 01 01 07   45.0  0.00  301.2  6    200.0   200.0   0.0000      0.0  0.0000  0   0.00
06 01 01 08   45.0  1.10  302.3  2   1200.0  1200.0   0.0000      0.0  0.0000  0   0.00
06 01 01 09   90.0  1.40  303.4  2   1200.0  1200.0   0.0000      0.0  0.0000  0   0.00
06 01 01 10   90.0  1.10  304.5  1   1600.0  1600.0   0.0000      0.0  0.0000  0   0.00
06 01 01 11  360.0  1.10  305.6  1   1600.0  1600.0   0.0000      0.0  0.0000  0   0.00
06 01 01 12  315.0  2.50  306.5  2   1200.0  1200.0   0.0000      0.0  0.0000  0   0.00
06 01 01 13  360.0  3.30  307.3  2   1200.0  1200.0   0.0000      0.0  0.0000  0   0.00
06 01 01 14  360.0  3.60  308.0  2   1200.0  1200.0   0.0000      0.0  0.0000  0   0.00
06 01 01 15  360.0  3.90  308.4  2   1200.0  1200.0   0.0000      0.0  0.0000  0   0.00
06 01 01 16  360.0  3.10  308.5  2   1200.0  1200.0   0.0000      0.0  0.0000  0   0.00
06 01 01 17  360.0  3.10  308.2  3    800.0   800.0   0.0000      0.0  0.0000  0   0.00
06 01 01 18  360.0  3.30  307.6  3    800.0   800.0   0.0000      0.0  0.0000  0   0.00
06 01 01 19  360.0  3.10  306.6  5    320.0   320.0   0.0000      0.0  0.0000  0   0.00
06 01 01 20   45.0  3.10  305.0  5    320.0   320.0   0.0000      0.0  0.0000  0   0.00
06 01 01 21   45.0  0.50  303.0  6    200.0   200.0   0.0000      0.0  0.0000  0   0.00
06 01 01 22   45.0  1.70  300.3  6    200.0   200.0   0.0000      0.0  0.0000  0   0.00
06 01 01 23   45.0  1.90  297.1  6    200.0   200.0   0.0000      0.0  0.0000  0   0.00
06 01 01 24   45.0  1.40  293.2  6    200.0   200.0   0.0000      0.0  0.0000  0   0.00
06 01 02 01  360.0  1.10  298.3  6    200.0   200.0   0.0000      0.0  0.0000  0   0.00



*** NOTES:  STABILITY CLASS 1=A, 2=B, 3=C, 4=D, 5=E AND 6=F.
        FLOW VECTOR IS DIRECTION TOWARD WHICH WIND IS BLOWING.
 *** ISCST3 - VERSION 02035 ***     ***  SIMULACION EMISION DE PARTICULAS REFICAR 24 HRAS Y ANUAL
***       04/22/09
                    ***  Terreno plano - PROYECTO PUERTO REFICAR                    ***       19:17:50
**MODELOPTs:                                                              PAGE   7
CONC              RURAL FLAT

                   *** THE PERIOD ( 17519 HRS) AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP: ALL
***
                      INCLUDING SOURCE(S):     COQUE1 , COQUE2 , COQUE3 ,

                      *** NETWORK ID: CARD1    ;  NETWORK TYPE: GRIDCART ***

                        ** CONC OF PM      IN MICROGRAMS/M**3                   **

  Y-COORD  |                              X-COORD (METERS)
  (METERS) |      841300.00     841395.00     841490.00     841585.00     841680.00     841775.00     841870.00
841965.00   842060.00
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 1634705.00 |       0.00035      0.00018      0.00017      0.00019      0.00025      0.00036      0.00053      0.00111
0.00625
 1634610.00 |       0.00103      0.00033      0.00020      0.00021      0.00027      0.00037      0.00055      0.00107
0.00608
 1634515.00 |       0.00299      0.00094      0.00032      0.00024      0.00028      0.00039      0.00057      0.00104
```

0.00587								
1634420.00	0.00655	0.00289	0.00087	0.00034	0.00031	0.00041	0.00060	0.00103
0.00564								
1634325.00	0.00962	0.00669	0.00277	0.00081	0.00039	0.00045	0.00063	0.00104
0.00539								
1634230.00	0.00882	0.01010	0.00682	0.00265	0.00079	0.00052	0.00068	0.00107
0.00512								
1634135.00	0.00486	0.00918	0.01064	0.00695	0.00255	0.00085	0.00075	0.00112
0.00483								
1634040.00	0.00176	0.00480	0.00956	0.01123	0.00708	0.00249	0.00104	0.00121
0.00454								
1633945.00	0.00079	0.00161	0.00470	0.00996	0.01190	0.00726	0.00255	0.00147
0.00427								
1633850.00	0.00084	0.00075	0.00146	0.00457	0.01040	0.01269	0.00754	0.00286
0.00413								
1633755.00	0.00192	0.00084	0.00072	0.00132	0.00443	0.01092	0.01370	0.00806
0.00503								
1633660.00	0.00752	0.00175	0.00084	0.00070	0.00119	0.00429	0.01161	0.01512
0.01007								
1633565.00	0.01886	0.00723	0.00161	0.00085	0.00069	0.00113	0.00429	0.01268
0.01793								
1633470.00	0.02766	0.01941	0.00684	0.00150	0.00086	0.00072	0.00124	0.00468
0.01494								
1633375.00	0.02635	0.02755	0.02008	0.00633	0.00143	0.00089	0.00091	0.00189
0.00627								
1633280.00	0.00653	0.02700	0.02688	0.02086	0.00571	0.00142	0.00103	0.00164
0.00400								
1633185.00	0.00146	0.00565	0.02735	0.02543	0.02171	0.00501	0.00151	0.00172
0.00415								
1633090.00	0.00083	0.00155	0.00485	0.02691	0.02310	0.02246	0.00434	0.00212
0.00467								
1632995.00	0.00047	0.00084	0.00167	0.00434	0.02540	0.02010	0.02261	0.00414
0.00555								
1632900.00	0.00049	0.00055	0.00087	0.00180	0.00434	0.02182	0.01730	0.02181
0.00734								
1632805.00	0.00131	0.00116	0.00103	0.00113	0.00198	0.00496	0.01765	0.01658
0.02104								
1632710.00	0.00371	0.00371	0.00359	0.00332	0.00295	0.00302	0.00607	0.01815
0.01830								
1632615.00	0.01220	0.01142	0.01136	0.01202	0.01326	0.01448	0.01439	0.01319
0.02539								
1632520.00	0.09917	0.09802	0.09464	0.08658	0.07420	0.06167	0.05765	0.07221
0.08302								
1632425.00	0.07789	0.07771	0.07744	0.07643	0.07435	0.07041	0.06257	0.05690
0.08403								
1632330.00	0.06612	0.06533	0.06419	0.06276	0.06155	0.06205	0.06942	0.10273
0.08598								
1632235.00	0.03861	0.03947	0.04043	0.04172	0.04421	0.05127	0.11347	0.06002
0.05526								

1632140.00 | 0.00763 0.00727 0.00734 0.00845 0.01611 0.11785 0.02758 0.01072
0.02702
1632045.00 | 0.00199 0.00261 0.00413 0.01721 0.14276 0.03875 0.00807 0.01166
0.09661
1631950.00 | 0.00201 0.00356 0.02352 0.15280 0.05362 0.00711 0.01218 0.10699
0.05054
1631855.00 | 0.00359 0.03071 0.15436 0.06647 0.00690 0.01604 0.11609 0.04960
0.02198
1631760.00 | 0.03752 0.15022 0.07577 0.00773 0.02112 0.11956 0.05815 0.00844
0.01917
1631665.00 | 0.14390 0.08165 0.00974 0.02633 0.11809 0.06573 0.00592 0.00646
0.01853
1631570.00 | 0.08490 0.01282 0.03110 0.11414 0.07048 0.00665 0.00302 0.00598
0.01935
1631475.00 | 0.01670 0.03518 0.10902 0.07294 0.00865 0.00203 0.00262 0.00586
0.02136
1631380.00 | 0.03851 0.10341 0.07364 0.01122 0.00180 0.00154 0.00259 0.00592
0.02437
1631285.00 | 0.09770 0.07309 0.01397 0.00188 0.00119 0.00144 0.00274 0.00618
0.02961
1631190.00 | 0.07170 0.01666 0.00217 0.00107 0.00103 0.00152 0.00315 0.00872
0.05337
1631095.00 | 0.01914 0.00262 0.00104 0.00088 0.00107 0.00199 0.00660 0.03031
0.11253
1631000.00 | 0.00323 0.00106 0.00083 0.00090 0.00162 0.00630 0.02928 0.07999
0.12315
*** ISCST3 - VERSION 02035 *** *** SIMULACION EMISION DE PARTICULAS REFICAR 24 HRS Y ANUAL
*** 04/22/09
*** Terreno plano - PROYECTO PUERTO REFICAR *** 19:17:50
**MODELOPTs: PAGE 8
CONC RURAL FLAT

*** THE PERIOD (17519 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
***

INCLUDING SOURCE(S): COQUE1 , COQUE2 , COQUE3 ,

*** NETWORK ID: CARD1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM IN MICROGRAMS/M**3 **

Y-COORD | X-COORD (METERS)
(METERS) | 842155.00 842250.00 842345.00 842440.00 842535.00 842630.00 842725.00
842820.00 842915.00

1634705.00 | 0.01757 0.01279 0.00912 0.01413 0.00728 0.00148 0.00056 0.00043
0.00039
1634610.00 | 0.01829 0.01285 0.00894 0.01471 0.00727 0.00139 0.00056 0.00043
0.00039

1634515.00	0.01905	0.01288	0.00875	0.01535	0.00722	0.00130	0.00056	0.00043
0.00039								
1634420.00	0.01987	0.01289	0.00854	0.01603	0.00714	0.00122	0.00056	0.00042
0.00038								
1634325.00	0.02074	0.01287	0.00831	0.01676	0.00704	0.00115	0.00055	0.00041
0.00038								
1634230.00	0.02165	0.01281	0.00806	0.01755	0.00689	0.00109	0.00055	0.00040
0.00038								
1634135.00	0.02260	0.01270	0.00780	0.01840	0.00670	0.00104	0.00055	0.00039
0.00037								
1634040.00	0.02359	0.01253	0.00753	0.01929	0.00646	0.00101	0.00055	0.00038
0.00037								
1633945.00	0.02460	0.01229	0.00726	0.02023	0.00618	0.00100	0.00055	0.00038
0.00038								
1633850.00	0.02563	0.01199	0.00698	0.02122	0.00585	0.00100	0.00055	0.00037
0.00040								
1633755.00	0.02670	0.01161	0.00672	0.02225	0.00549	0.00103	0.00056	0.00039
0.00044								
1633660.00	0.02853	0.01120	0.00649	0.02332	0.00512	0.00108	0.00059	0.00043
0.00053								
1633565.00	0.03451	0.01137	0.00634	0.02440	0.00476	0.00117	0.00065	0.00052
0.00067								
1633470.00	0.04409	0.01587	0.00672	0.02550	0.00448	0.00133	0.00078	0.00069
0.00098								
1633375.00	0.04053	0.02559	0.01145	0.02683	0.00435	0.00161	0.00104	0.00103
0.00342								
1633280.00	0.03054	0.02076	0.02313	0.03188	0.00466	0.00211	0.00154	0.00311
0.01200								
1633185.00	0.02726	0.01047	0.01793	0.04534	0.00880	0.00306	0.00337	0.01255
0.00660								
1633090.00	0.02483	0.00899	0.00757	0.03885	0.02440	0.00770	0.01346	0.00647
0.00218								
1632995.00	0.02259	0.00971	0.00653	0.02753	0.01875	0.03309	0.00891	0.00322
0.00297								
1632900.00	0.02266	0.01107	0.00714	0.02644	0.01684	0.01675	0.02276	0.00569
0.01068								
1632805.00	0.02869	0.01259	0.01022	0.03070	0.01112	0.00490	0.01323	0.02845
0.00800								
1632710.00	0.04718	0.01558	0.01925	0.02884	0.00908	0.00700	0.01266	0.01595
0.02210								
1632615.00	0.03494	0.03333	0.02203	0.04616	0.02441	0.02591	0.02004	0.01605
0.01909								
1632520.00	0.00653	0.07249	0.12399	0.10882	0.07492	0.06949	0.07286	0.07917
0.08212								
1632425.00	0.14303	0.16174	0.09806	0.02452	0.07242	0.08435	0.06473	0.05410
0.05195								
1632330.00	0.21858	0.11180	0.15961	0.14555	0.14120	0.07208	0.05807	0.04921
0.04418								
1632235.00	0.17913	0.11354	0.08117	0.23980	0.10850	0.09961	0.04430	0.02652

0.02470
1632140.00 | 0.18895 0.06502 0.03085 0.15378 0.08028 0.06876 0.05888 0.02478
0.01154
1632045.00 | 0.19369 0.04900 0.03066 0.14303 0.03989 0.07014 0.05744 0.05382
0.02221
1631950.00 | 0.21514 0.04683 0.03091 0.17084 0.03025 0.01927 0.07026 0.06005
0.09104
1631855.00 | 0.24270 0.05156 0.03036 0.20693 0.02557 0.01209 0.02147 0.12222
0.13117
1631760.00 | 0.25810 0.05980 0.03017 0.23548 0.02422 0.01315 0.07741 0.10966
0.06866
1631665.00 | 0.26647 0.06992 0.03112 0.24883 0.03015 0.08579 0.10612 0.01435
0.02047
1631570.00 | 0.26904 0.08049 0.03376 0.26158 0.10844 0.11124 0.01405 0.00564
0.00707
1631475.00 | 0.26647 0.09086 0.04878 0.33534 0.13242 0.02092 0.00431 0.00319
0.00404
1631380.00 | 0.26237 0.11416 0.12442 0.34606 0.05152 0.00766 0.00317 0.00200
0.00254
1631285.00 | 0.27302 0.18769 0.14220 0.25986 0.03906 0.00656 0.00273 0.00147
0.00177
1631190.00 | 0.32582 0.20367 0.07644 0.23016 0.04268 0.00615 0.00257 0.00128
0.00140
1631095.00 | 0.32541 0.14460 0.05791 0.21905 0.04711 0.00596 0.00254 0.00125
0.00127
1631000.00 | 0.26009 0.12207 0.06044 0.20933 0.05137 0.00594 0.00256 0.00131
0.00126

CONC RURAL FLAT

*** THE PERIOD (17519 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
***

INCLUDING SOURCE(S): COQUE1 , COQUE2 , COQUE3 ,

*** NETWORK ID: CARD1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM IN MICROGRAMS/M**3 **

Y-COORD | X-COORD (METERS)
(METERS) | 843010.00 843105.00 843200.00 843295.00 843390.00 843485.00 843580.00
843675.00 843770.00

1634705.00 | 0.00043 0.00105 0.00563 0.01276 0.00840 0.00186 0.00048 0.00034
0.00029
1634610.00 | 0.00043 0.00098 0.00556 0.01329 0.00851 0.00176 0.00050 0.00037

0.00032								
1634515.00	0.00043	0.00092	0.00547	0.01385	0.00862	0.00167	0.00053	0.00042
0.00039								
1634420.00	0.00044	0.00087	0.00536	0.01445	0.00871	0.00159	0.00058	0.00049
0.00065								
1634325.00	0.00044	0.00083	0.00524	0.01510	0.00879	0.00153	0.00065	0.00071
0.00171								
1634230.00	0.00046	0.00081	0.00509	0.01580	0.00886	0.00150	0.00085	0.00172
0.00439								
1634135.00	0.00047	0.00081	0.00493	0.01656	0.00891	0.00158	0.00179	0.00456
0.00706								
1634040.00	0.00050	0.00084	0.00475	0.01738	0.00899	0.00234	0.00478	0.00760
0.00599								
1633945.00	0.00054	0.00090	0.00458	0.01830	0.00961	0.00538	0.00825	0.00632
0.00318								
1633850.00	0.00060	0.00100	0.00443	0.01975	0.01261	0.00930	0.00674	0.00310
0.00382								
1633755.00	0.00070	0.00116	0.00465	0.02381	0.01690	0.00746	0.00312	0.00387
0.00667								
1633660.00	0.00085	0.00162	0.00753	0.02987	0.01439	0.00340	0.00402	0.00722
0.00544								
1633565.00	0.00121	0.00470	0.01319	0.02811	0.00952	0.00443	0.00794	0.00575
0.00181								
1633470.00	0.00400	0.01153	0.00978	0.02413	0.01012	0.00899	0.00620	0.00179
0.00055								
1633375.00	0.01167	0.00778	0.00453	0.02597	0.01477	0.00695	0.00194	0.00064
0.00037								
1633280.00	0.00710	0.00270	0.00543	0.03247	0.01171	0.00252	0.00096	0.00047
0.00031								
1633185.00	0.00212	0.00360	0.01189	0.02981	0.00653	0.00180	0.00079	0.00039
0.00034								
1633090.00	0.00279	0.01062	0.00834	0.02513	0.00554	0.00175	0.00071	0.00044
0.00055								
1632995.00	0.01008	0.00627	0.00411	0.02427	0.00534	0.00183	0.00080	0.00074
0.00107								
1632900.00	0.00549	0.00234	0.00432	0.02316	0.00581	0.00219	0.00127	0.00156
0.00219								
1632805.00	0.00356	0.00279	0.00542	0.02196	0.00735	0.00309	0.00253	0.00331
0.00752								
1632710.00	0.00760	0.00538	0.00788	0.02240	0.01032	0.00499	0.00542	0.00861
0.01089								
1632615.00	0.02542	0.01657	0.01766	0.03412	0.02332	0.01926	0.02310	0.02529
0.02130								
1632520.00	0.08625	0.08956	0.07978	0.09687	0.07630	0.07299	0.07014	0.06325
0.05977								
1632425.00	0.05433	0.06311	0.07341	0.09019	0.07082	0.07085	0.06484	0.06480
0.06482								
1632330.00	0.04551	0.05080	0.04314	0.01989	0.04128	0.06880	0.06214	0.05388
0.05050								

1632235.00 | 0.02797 0.03102 0.03191 0.02225 0.07831 0.04584 0.03803 0.03073 0.02584
1632140.00 | 0.00913 0.02372 0.03295 0.13859 0.05425 0.07231 0.02262 0.00955 0.00772
1632045.00 | 0.03067 0.03188 0.01458 0.12388 0.03232 0.03953 0.04713 0.01807 0.00687
1631950.00 | 0.06178 0.01400 0.01826 0.11935 0.03342 0.01206 0.02807 0.04334 0.01380
1631855.00 | 0.06005 0.01710 0.02316 0.14463 0.03316 0.00675 0.01075 0.02418 0.04595
1631760.00 | 0.06247 0.05633 0.03103 0.18061 0.03320 0.00743 0.00500 0.00927 0.02480
1631665.00 | 0.05996 0.06506 0.06846 0.21885 0.03570 0.00922 0.00405 0.00505 0.00797
1631570.00 | 0.02031 0.05934 0.07781 0.27131 0.04905 0.01138 0.00479 0.00378 0.00496
1631475.00 | 0.00699 0.02436 0.06846 0.28954 0.08756 0.02290 0.00674 0.00391 0.00382
1631380.00 | 0.00462 0.01028 0.03757 0.27990 0.10514 0.05378 0.01920 0.00576 0.00372
1631285.00 | 0.00353 0.00772 0.02455 0.24823 0.09966 0.06478 0.04789 0.01861 0.00575
1631190.00 | 0.00291 0.00657 0.02417 0.22768 0.07982 0.05215 0.05879 0.04495 0.01881
1631095.00 | 0.00257 0.00578 0.02618 0.21756 0.07093 0.02773 0.04660 0.05527 0.04298
1631000.00 | 0.00240 0.00526 0.02890 0.20889 0.07262 0.01305 0.02410 0.04360 0.05263

*** ISCST3 - VERSION 02035 *** *** SIMULACION EMISION DE PARTICULAS REFICAR 24 HRAS Y ANUAL *** 04/22/09

*** Terreno plano - PROYECTO PUERTO REFICAR *** 19:17:50

**MODELOPTs: PAGE 10

CONC RURAL FLAT

*** THE PERIOD (17519 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): COQUE1 , COQUE2 , COQUE3 ,

*** NETWORK ID: CARD1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM IN MICROGRAMS/M**3 **

Y-COORD | X-COORD (METERS)
(METERS) | 843865.00 843960.00 844055.00 844150.00 844245.00 844340.00 844435.00 844530.00 844625.00

1634705.00 | 0.00026 0.00031 0.00066 0.00185 0.00381 0.00510 0.00474 0.00389 0.00389

1634610.00	0.00034	0.00064	0.00181	0.00391	0.00533	0.00486	0.00385	0.00390
0.00427								
1634515.00	0.00063	0.00177	0.00402	0.00560	0.00500	0.00380	0.00390	0.00442
0.00376								
1634420.00	0.00173	0.00413	0.00590	0.00516	0.00374	0.00391	0.00460	0.00390
0.00224								
1634325.00	0.00425	0.00623	0.00533	0.00365	0.00390	0.00480	0.00405	0.00224
0.00093								
1634230.00	0.00662	0.00552	0.00355	0.00389	0.00502	0.00422	0.00223	0.00088
0.00039								
1634135.00	0.00574	0.00343	0.00387	0.00527	0.00439	0.00221	0.00083	0.00037
0.00028								
1634040.00	0.00330	0.00385	0.00555	0.00457	0.00217	0.00077	0.00036	0.00028
0.00027								
1633945.00	0.00383	0.00587	0.00477	0.00212	0.00071	0.00035	0.00028	0.00028
0.00031								
1633850.00	0.00623	0.00497	0.00206	0.00066	0.00034	0.00029	0.00029	0.00031
0.00061								
1633755.00	0.00519	0.00198	0.00060	0.00033	0.00029	0.00030	0.00032	0.00056
0.00219								
1633660.00	0.00189	0.00056	0.00033	0.00030	0.00030	0.00033	0.00052	0.00208
0.00557								
1633565.00	0.00053	0.00033	0.00030	0.00031	0.00035	0.00050	0.00195	0.00583
0.00627								
1633470.00	0.00034	0.00030	0.00031	0.00037	0.00049	0.00180	0.00609	0.00664
0.00264								
1633375.00	0.00030	0.00032	0.00039	0.00051	0.00164	0.00634	0.00703	0.00254
0.00063								
1633280.00	0.00032	0.00042	0.00056	0.00149	0.00658	0.00745	0.00242	0.00063
0.00039								
1633185.00	0.00046	0.00065	0.00140	0.00678	0.00788	0.00230	0.00070	0.00050
0.00042								
1633090.00	0.00080	0.00141	0.00694	0.00832	0.00222	0.00085	0.00067	0.00058
0.00053								
1632995.00	0.00163	0.00708	0.00879	0.00226	0.00113	0.00094	0.00083	0.00077
0.00074								
1632900.00	0.00720	0.00928	0.00253	0.00161	0.00137	0.00123	0.00114	0.00110
0.00107								
1632805.00	0.00983	0.00323	0.00239	0.00205	0.00185	0.00175	0.00170	0.00168
0.00169								
1632710.00	0.00504	0.00423	0.00394	0.00392	0.00404	0.00424	0.00449	0.00475
0.00503								
1632615.00	0.02077	0.02084	0.02113	0.02145	0.02173	0.02194	0.02208	0.02215
0.02218								
1632520.00	0.05773	0.05616	0.05473	0.05335	0.05201	0.05070	0.04943	0.04819
0.04700								
1632425.00	0.06397	0.06262	0.06105	0.05940	0.05779	0.05628	0.05489	0.05365
0.05256								
1632330.00	0.05123	0.05394	0.05648	0.05862	0.06014	0.06091	0.06115	0.06099

0.06052
1632235.00 | 0.02414 0.02481 0.02638 0.02830 0.03014 0.03163 0.03277 0.03361
0.03416
1632140.00 | 0.00739 0.00707 0.00665 0.00619 0.00576 0.00539 0.00511 0.00493
0.00487
1632045.00 | 0.00351 0.00275 0.00268 0.00275 0.00279 0.00280 0.00277 0.00271
0.00263
1631950.00 | 0.00611 0.00288 0.00169 0.00134 0.00128 0.00132 0.00138 0.00143
0.00147
1631855.00 | 0.01138 0.00537 0.00272 0.00148 0.00095 0.00076 0.00071 0.00073
0.00077
1631760.00 | 0.04705 0.01062 0.00468 0.00259 0.00145 0.00087 0.00059 0.00048
0.00044
1631665.00 | 0.02641 0.04666 0.01096 0.00413 0.00244 0.00144 0.00086 0.00055
0.00039
1631570.00 | 0.00711 0.02785 0.04513 0.01182 0.00374 0.00228 0.00142 0.00088
0.00056
1631475.00 | 0.00471 0.00673 0.02861 0.04302 0.01283 0.00354 0.00212 0.00138
0.00090
1631380.00 | 0.00379 0.00440 0.00679 0.02883 0.04072 0.01378 0.00352 0.00198
0.00134
1631285.00 | 0.00366 0.00368 0.00409 0.00714 0.02860 0.03838 0.01457 0.00366
0.00187
1631190.00 | 0.00604 0.00362 0.00352 0.00382 0.00767 0.02804 0.03610 0.01516
0.00391
1631095.00 | 0.01917 0.00642 0.00359 0.00334 0.00363 0.00827 0.02727 0.03393
0.01555
1631000.00 | 0.04138 0.01950 0.00684 0.00358 0.00317 0.00352 0.00886 0.02637
0.03189
*** ISCST3 - VERSION 02035 *** *** SIMULACION EMISION DE PARTICULAS REFICAR 24 HRS Y ANUAL
*** 04/22/09
*** Terreno plano - PROYECTO PUERTO REFICAR *** 19:17:50
**MODELOPTs: PAGE 11
CONC RURAL FLAT

*** THE PERIOD (17519 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
***

INCLUDING SOURCE(S): COQUE1 , COQUE2 , COQUE3 ,

*** NETWORK ID: CARD1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM IN MICROGRAMS/M**3 **

Y-COORD | X-COORD (METERS)
(METERS) | 844720.00 844815.00 844910.00 845005.00 845100.00 845195.00 845290.00
845385.00 845480.00

1634705.00 | 0.00413 0.00351 0.00222 0.00110 0.00050 0.00028 0.00026 0.00045

0.00112								
1634610.00	0.00363	0.00223	0.00106	0.00048	0.00028	0.00025	0.00042	0.00107
0.00236								
1634515.00	0.00224	0.00102	0.00045	0.00027	0.00025	0.00039	0.00103	0.00238
0.00370								
1634420.00	0.00098	0.00043	0.00027	0.00025	0.00037	0.00098	0.00240	0.00386
0.00393								
1634325.00	0.00041	0.00027	0.00025	0.00035	0.00092	0.00241	0.00403	0.00412
0.00269								
1634230.00	0.00027	0.00026	0.00033	0.00086	0.00241	0.00421	0.00432	0.00273
0.00117								
1634135.00	0.00026	0.00032	0.00080	0.00240	0.00441	0.00454	0.00277	0.00112
0.00037								
1634040.00	0.00031	0.00074	0.00238	0.00462	0.00477	0.00280	0.00106	0.00034
0.00016								
1633945.00	0.00067	0.00233	0.00484	0.00503	0.00281	0.00099	0.00031	0.00015
0.00011								
1633850.00	0.00227	0.00507	0.00530	0.00282	0.00092	0.00029	0.00016	0.00012
0.00010								
1633755.00	0.00531	0.00560	0.00281	0.00085	0.00028	0.00016	0.00013	0.00010
0.00009								
1633660.00	0.00592	0.00277	0.00078	0.00027	0.00017	0.00014	0.00012	0.00010
0.00009								
1633565.00	0.00272	0.00071	0.00027	0.00019	0.00016	0.00013	0.00011	0.00010
0.00010								
1633470.00	0.00066	0.00029	0.00022	0.00018	0.00016	0.00014	0.00013	0.00012
0.00012								
1633375.00	0.00033	0.00026	0.00022	0.00020	0.00018	0.00017	0.00017	0.00017
0.00017								
1633280.00	0.00032	0.00028	0.00026	0.00024	0.00023	0.00023	0.00024	0.00024
0.00025								
1633185.00	0.00038	0.00035	0.00034	0.00033	0.00033	0.00034	0.00034	0.00035
0.00036								
1633090.00	0.00050	0.00049	0.00048	0.00048	0.00049	0.00050	0.00050	0.00051
0.00052								
1632995.00	0.00072	0.00071	0.00071	0.00071	0.00072	0.00072	0.00072	0.00073
0.00073								
1632900.00	0.00106	0.00105	0.00105	0.00105	0.00105	0.00105	0.00105	0.00105
0.00105								
1632805.00	0.00170	0.00173	0.00176	0.00180	0.00185	0.00191	0.00197	0.00204
0.00212								
1632710.00	0.00531	0.00558	0.00585	0.00611	0.00636	0.00661	0.00684	0.00707
0.00728								
1632615.00	0.02217	0.02212	0.02205	0.02196	0.02186	0.02175	0.02164	0.02152
0.02140								
1632520.00	0.04584	0.04472	0.04364	0.04260	0.04160	0.04067	0.03978	0.03894
0.03815								
1632425.00	0.05159	0.05073	0.04995	0.04924	0.04857	0.04795	0.04735	0.04676
0.04621								

1632330.00 | 0.05980 0.05891 0.05790 0.05681 0.05567 0.05451 0.05334 0.05219
0.05108
1632235.00 | 0.03447 0.03459 0.03455 0.03439 0.03414 0.03381 0.03344 0.03305
0.03265
1632140.00 | 0.00491 0.00505 0.00527 0.00556 0.00590 0.00628 0.00668 0.00709
0.00751
1632045.00 | 0.00254 0.00245 0.00237 0.00228 0.00221 0.00215 0.00210 0.00206
0.00205
1631950.00 | 0.00149 0.00150 0.00150 0.00149 0.00147 0.00145 0.00142 0.00139
0.00136
1631855.00 | 0.00081 0.00085 0.00088 0.00091 0.00093 0.00094 0.00095 0.00095
0.00095
1631760.00 | 0.00044 0.00047 0.00049 0.00052 0.00055 0.00058 0.00060 0.00062
0.00063
1631665.00 | 0.00032 0.00029 0.00029 0.00030 0.00032 0.00034 0.00036 0.00038
0.00040
1631570.00 | 0.00038 0.00028 0.00023 0.00021 0.00020 0.00021 0.00022 0.00023
0.00025
1631475.00 | 0.00058 0.00039 0.00027 0.00020 0.00017 0.00015 0.00015 0.00015
0.00016
1631380.00 | 0.00090 0.00060 0.00041 0.00028 0.00020 0.00016 0.00013 0.00012
0.00011
1631285.00 | 0.00129 0.00090 0.00062 0.00043 0.00030 0.00021 0.00016 0.00012
0.00010
1631190.00 | 0.00180 0.00125 0.00090 0.00064 0.00045 0.00032 0.00023 0.00017
0.00013
1631095.00 | 0.00423 0.00177 0.00120 0.00088 0.00064 0.00047 0.00034 0.00024
0.00018
1631000.00 | 0.01576 0.00460 0.00177 0.00117 0.00087 0.00065 0.00048 0.00035
0.00026

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): COQUE1 , COQUE2 , COQUE3 ,

*** NETWORK ID: CARD1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)				
	841300.00	841395.00	841490.00	841585.00	841680.00
1634705.0	0.00425c(07100424)	0.00201 (06080324)	0.00155 (06080324)	0.00197c(07053124)	

0.00293 (07102824)
1634610.0 | 0.01688c(07100424) 0.00354c(07100424) 0.00205 (06080324) 0.00199c(07053124) 0.00283c(07053124)
1634515.0 | 0.05463c(07100424) 0.01487c(07100424) 0.00294c(07100424) 0.00209 (06080324) 0.00285c(07053124)
1634420.0 | 0.12400c(07100424) 0.05226c(07100424) 0.01290c(07100424) 0.00287 (06080324) 0.00290c(07053124)
1634325.0 | 0.18367c(07100424) 0.12631c(07100424) 0.04951c(07100424) 0.01098c(07100424) 0.00311c(07053124)
1634230.0 | 0.16744c(07100424) 0.19289c(07100424) 0.12834c(07100424) 0.04634c(07100424) 0.00916c(07100424)
1634135.0 | 0.08908c(07100424) 0.17417c(07100424) 0.20284c(07100424) 0.12997c(07100424) 0.04276c(07100424)
1634040.0 | 0.02755c(07100424) 0.08754c(07100424) 0.18115c(07100424) 0.21360c(07100424) 0.13109c(07100424)
1633945.0 | 0.00910 (06080324) 0.02457c(07100424) 0.08531c(07100424) 0.18836c(07100424) 0.22526c(07100424)
1633850.0 | 0.01127 (06080324) 0.00907 (06080324) 0.02148c(07100424) 0.08230c(07100424) 0.19572c(07100424)
1633755.0 | 0.02394c(07100424) 0.01147 (06080324) 0.00898 (06080324) 0.01835c(07100424) 0.07839c(07100424)
1633660.0 | 0.12815c(07100424) 0.01984c(07100424) 0.01160 (06080324) 0.00882 (06080324) 0.01527c(07100424)
1633565.0 | 0.34408c(07100424) 0.12060c(07100424) 0.01765 (06080324) 0.01159 (06080324) 0.00857 (06080324)
1633470.0 | 0.51031c(07100424) 0.35130c(07100424) 0.11088c(07100424) 0.01787 (06080324) 0.01177 (06070324)
1633375.0 | 0.48349c(07100424) 0.50245c(07100424) 0.35996c(07100424) 0.09864c(07100424) 0.01801 (06080324)
1633280.0 | 0.10019c(07100424) 0.48983c(07100424) 0.48160c(07100424) 0.36992c(07100424) 0.08390c(07100424)
1633185.0 | 0.01996 (06080324) 0.07881c(07100424) 0.48796c(07100424) 0.44293c(07100424) 0.37970c(07100424)
1633090.0 | 0.01218 (06070324) 0.02115 (06080324) 0.05803c(07100424) 0.46725c(07100424) 0.38340c(07100424)
1632995.0 | 0.00715 (06070324) 0.01300 (06070324) 0.02364 (06070324) 0.04888 (06080324) 0.42011c(07100424)
1632900.0 | 0.00484 (06070324) 0.00735 (06070324) 0.01365 (06070324) 0.02755 (06070324) 0.05522 (06080324)
1632805.0 | 0.00823 (06050124) 0.00814 (06070324) 0.00947 (06070324) 0.01497 (06070324) 0.03186 (06070324)
1632710.0 | 0.02060 (06050124) 0.02151 (06050124) 0.02193 (06050124) 0.02152 (06050124) 0.02411 (06070324)
1632615.0 | 0.06445 (07091324) 0.05275 (07102524) 0.05700 (07102524) 0.06342 (06050124) 0.07608 (06050124)
1632520.0 | 0.78274 (07091324) 0.76227 (07091324) 0.71923 (07091324) 0.63065 (07091324) 0.49570 (07091324)
1632425.0 | 0.60699 (07091324) 0.59727 (07091324) 0.58474 (07091324) 0.56321 (07091324) 0.52947 (07091324)

1632330.0 | 0.52261 (07091324) 0.51232 (07091324) 0.49877 (07091324) 0.48215 (07091324) 0.46545 (07091324)
1632235.0 | 0.30483 (07091324) 0.31081 (07091324) 0.31679 (07091324) 0.32308 (07091324) 0.33138 (07091324)
1632140.0 | 0.05152 (07091324) 0.04689 (07091324) 0.04328 (07091324) 0.04195 (07091324) 0.06573 (06030124)
1632045.0 | 0.00908 (06050124) 0.01234 (06020124) 0.02149 (06030124) 0.08230 (06022724) 0.63675 (07010324)
1631950.0 | 0.01090 (06030124) 0.01911 (06050424) 0.10353 (06123024) 0.69523 (07010324) 0.23713 (06030124)
1631855.0 | 0.02047 (06022724) 0.13342 (06123024) 0.70981 (07010324) 0.29479 (06030124) 0.04103 (06050424)
1631760.0 | 0.16424 (06030124) 0.69512 (07010324) 0.33916 (07010324) 0.04788 (06022724) 0.09633 (06030124)
1631665.0 | 0.66862 (07010324) 0.37062 (07010324) 0.05820 (06022724) 0.11824 (06030124) 0.54379 (07010324)
1631570.0 | 0.38875 (07010324) 0.06764 (06022724) 0.13887 (06030124) 0.52799 (07010324) 0.32086 (07010324)
1631475.0 | 0.07619 (06123024) 0.15672 (06030124) 0.50593 (07010324) 0.33454 (07010324) 0.04034 (06022724)
1631380.0 | 0.17190 (07010324) 0.48102 (07010324) 0.33944 (07010324) 0.04963 (06123024) 0.01057 (07013024)
1631285.0 | 0.45531 (07010324) 0.33813 (07010324) 0.06118 (06030124) 0.01122 (06022724) 0.00773 (07013024)
1631190.0 | 0.33259 (07010324) 0.07336 (06030124) 0.01337 (06022724) 0.00733 (07013024) 0.00637 (07013024)
1631095.0 | 0.08471 (06030124) 0.01551 (06022724) 0.00709 (07013024) 0.00603 (07013024) 0.00583 (07013024)
1631000.0 | 0.01756 (06022724) 0.00691 (07013024) 0.00583 (07013024) 0.00546 (07013024) 0.00822 (06022724)

CONC RURAL FLAT

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): COQUE1 , COQUE2 , COQUE3 ,

*** NETWORK ID: CARD1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)				
	841775.00	841870.00	841965.00	842060.00	842155.00
1634705.0	0.00483 (07102824)	0.00751 (07102824)	0.01371 (07102824)	0.11318 (06101024)	

0.35598 (06101024)
1634610.0 | 0.00478 (07102824) 0.00762 (07102824) 0.01349 (07102824) 0.10792 (06101024)
0.36971 (06101024)
1634515.0 | 0.00470 (07102824) 0.00773 (07102824) 0.01336 (07102824) 0.10188 (06101024)
0.38418 (06101024)
1634420.0 | 0.00460 (07102824) 0.00782 (07102824) 0.01336 (07102824) 0.09506 (06101024)
0.39951 (06101024)
1634325.0 | 0.00447 (07102824) 0.00788 (07102824) 0.01347 (07102824) 0.08742 (06101024)
0.41548 (06101024)
1634230.0 | 0.00454c(07053124) 0.00793 (07102824) 0.01370 (07102824) 0.07897 (06101024)
0.43186 (06101024)
1634135.0 | 0.00750c(07100424) 0.00799 (07102824) 0.01405 (07102824) 0.06981 (06101024)
0.44846 (06101024)
1634040.0 | 0.03878c(07100424) 0.00851 (07102824) 0.01454 (07102824) 0.06009 (06101024)
0.46498 (06101024)
1633945.0 | 0.13151c(07100424) 0.03445c(07100424) 0.01549 (07102824) 0.05004 (06101024)
0.48101 (06101024)
1633850.0 | 0.23788c(07100424) 0.13106c(07100424) 0.02986c(07100424) 0.04273 (07102824)
0.49590 (06101024)
1633755.0 | 0.20314c(07100424) 0.25156c(07100424) 0.12947c(07100424) 0.04421 (07102824)
0.50879 (06101024)
1633660.0 | 0.07351c(07100424) 0.21047c(07100424) 0.26640c(07100424) 0.12651c(07100424)
0.51842 (06101024)
1633565.0 | 0.01237c(07100424) 0.06763c(07100424) 0.21757c(07100424) 0.28238c(07100424)
0.52303 (06101024)
1633470.0 | 0.00856 (06070324) 0.00978c(07100424) 0.06074c(07100424) 0.22386c(07100424)
0.51995 (06101024)
1633375.0 | 0.01209 (06070324) 0.00875c(07053124) 0.01865 (07102824) 0.05693c(07102224)
0.50272 (06101024)
1633280.0 | 0.01860 (06070324) 0.01214 (06070324) 0.01893c(07053124) 0.05202 (07102824)
0.46874 (06101024)
1633185.0 | 0.06731c(07100424) 0.01973 (06070324) 0.02054c(07053124) 0.05832 (07102824)
0.41315 (06101024)
1633090.0 | 0.38567c(07100424) 0.05014c(07100424) 0.02350c(07053124) 0.06614 (07102824)
0.31910 (06101024)
1632995.0 | 0.30471c(07100424) 0.37724c(07100424) 0.03951 (06070324) 0.07382 (07102824)
0.27991 (07102824)
1632900.0 | 0.32239c(07100424) 0.22078c(07100424) 0.34475c(07100424) 0.09005c(07053124)
0.31836 (07102824)
1632805.0 | 0.07398 (06070324) 0.19532c(07100424) 0.17406 (06080324) 0.26304c(07100424)
0.42356 (07102824)
1632710.0 | 0.03918 (06070324) 0.10082 (06070324) 0.25478 (06070324) 0.26518 (06070324)
0.62037 (07102824)
1632615.0 | 0.09006 (06050124) 0.09786 (06050124) 0.14934 (06070324) 0.45703 (06070324)
0.58214c(07053124)
1632520.0 | 0.34321 (07091324) 0.29526 (07102524) 0.42750 (06050124) 0.58126 (06050124)
0.06302 (06070324)
1632425.0 | 0.47749 (07091324) 0.39143 (07091324) 0.29803 (07091324) 0.45144 (07042524)
0.53174c(07092724)

1632330.0 | 0.45441 (07091324) 0.46213 (07091324) 0.50190 (07091324) 0.48702 (07091324) 0.78414c(07092724)
1632235.0 | 0.34514 (07091324) 0.44963 (07010124) 0.35752 (07091324) 0.32350 (07091324) 0.54621c(07092724)
1632140.0 | 0.51017 (06030124) 0.12961 (06030124) 0.06336 (06030124) 0.08864 (07013024) 0.40166 (07031324)
1632045.0 | 0.17379 (06030124) 0.05466 (06030124) 0.05662 (06030124) 0.36956 (06123024) 0.45464 (07011524)
1631950.0 | 0.04536 (06030124) 0.06120 (06030124) 0.46629 (07010324) 0.17246 (06123024) 0.54610 (07011524)
1631855.0 | 0.07579 (06030124) 0.52375 (07010324) 0.20723 (06123024) 0.05831c(06122924) 0.65562c(06062124)
1631760.0 | 0.54671 (07010324) 0.25477 (07010324) 0.03056 (07013024) 0.05146c(06091224) 0.73406c(06062124)
1631665.0 | 0.29554 (07010324) 0.02931 (06022724) 0.02029c(06122924) 0.05051 (07031824) 0.78130c(06062124)
1631570.0 | 0.03506 (06022724) 0.01406 (07013024) 0.01834c(07092724) 0.05601 (06030624) 0.80425c(06062124)
1631475.0 | 0.01161 (07013024) 0.01042 (07013024) 0.01750c(06091224) 0.06130 (06030624) 0.80638c(06062124)
1631380.0 | 0.00853 (07013024) 0.00885 (07013024) 0.01719c(06091224) 0.06572 (06030624) 0.79763c(06062124)
1631285.0 | 0.00710 (07013024) 0.00874c(06122924) 0.01683c(06091224) 0.07079 (07011524) 0.78163c(06062124)
1631190.0 | 0.00665 (07013024) 0.00925c(06122924) 0.02472 (07031924) 0.12923 (07011624) 0.76096c(06062124)
1631095.0 | 0.00793 (07011124) 0.02320 (06123024) 0.12337 (07010324) 0.38440 (07010324) 0.73744c(06062124)
1631000.0 | 0.02522 (06123024) 0.12796 (07010324) 0.35930 (07010324) 0.41593 (07010324) 0.71237c(06062124)

CONC RURAL FLAT

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): COQUE1 , COQUE2 , COQUE3 ,

*** NETWORK ID: CARD1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM IN MICROGRAMS/M**3 **

Y-COORD | X-COORD (METERS)
(METERS) | 842250.00 842345.00 842440.00 842535.00 842630.00

1634705.0 | 0.24902 (06101024) 0.16972 (06101024) 0.28300 (06101024) 0.13763 (06101024)

0.01702 (07102824)
1634610.0 | 0.24813 (06101024) 0.16403 (06101024) 0.29432 (06101024) 0.13616 (06101024) 0.01634 (07102824)
1634515.0 | 0.24655 (06101024) 0.15773 (06101024) 0.30644 (06101024) 0.13402 (06101024) 0.01572 (07102824)
1634420.0 | 0.24419 (06101024) 0.15080 (06101024) 0.31941 (06101024) 0.13112 (06101024) 0.01516 (07102824)
1634325.0 | 0.24077 (06101024) 0.14325 (06101024) 0.33331 (06101024) 0.12738 (06101024) 0.01469 (07102824)
1634230.0 | 0.23597 (06101024) 0.13503 (06101024) 0.34814 (06101024) 0.12268 (06101024) 0.01434 (07102824)
1634135.0 | 0.22951 (06101024) 0.12608 (06101024) 0.36372 (06101024) 0.11685 (06101024) 0.01412 (07102824)
1634040.0 | 0.22105 (06101024) 0.11637 (06101024) 0.37995 (06101024) 0.10979 (06101024) 0.01404 (07102824)
1633945.0 | 0.21022 (06101024) 0.10588 (06101024) 0.39671 (06101024) 0.10144 (06101024) 0.01413 (07102824)
1633850.0 | 0.19667 (06101024) 0.09461 (06101024) 0.41380 (06101024) 0.09179 (06101024) 0.01439 (07102824)
1633755.0 | 0.18008 (06101024) 0.08261 (06101024) 0.43087 (06101024) 0.08092 (06101024) 0.01480 (07102824)
1633660.0 | 0.16024 (06101024) 0.07173 (07102824) 0.44742 (06101024) 0.06900 (06101024) 0.01533 (07102824)
1633565.0 | 0.13726 (06101024) 0.07143 (07102824) 0.46266 (06101024) 0.05638 (06101024) 0.01596 (07102824)
1633470.0 | 0.12269 (07102824) 0.07295 (07102824) 0.47542 (06101024) 0.04905 (07102824) 0.01666 (07102824)
1633375.0 | 0.31637c(07100424) 0.10509c(07100424) 0.48397 (06101024) 0.04789 (07102824) 0.01736 (07102824)
1633280.0 | 0.23120c(07100424) 0.33341c(07100424) 0.48322 (06101024) 0.04858 (07102824) 0.01801 (07102824)
1633185.0 | 0.11909 (07102824) 0.23021c(07100424) 0.46969 (06101024) 0.07792c(07100424) 0.02507 (06101724)
1633090.0 | 0.12887 (07102824) 0.08981 (07102824) 0.43840 (06101024) 0.36179c(07100424) 0.07124 (06082524)
1632995.0 | 0.15244 (07102824) 0.09447 (07102824) 0.37353 (06101024) 0.21107c(07100424) 0.37126 (07052524)
1632900.0 | 0.18297 (07102824) 0.10080 (07102824) 0.27183 (06101024) 0.24419c(06110824) 0.18856c(07100424)
1632805.0 | 0.20557 (07102824) 0.11260 (06060524) 0.28245 (07102824) 0.11046 (06101724) 0.06864 (06070224)
1632710.0 | 0.20071c(07053124) 0.29472c(06071424) 0.33728 (07102824) 0.09472 (07102824) 0.09500c(06071424)
1632615.0 | 0.54869 (06070224) 0.24221c(06071424) 0.49677 (07102824) 0.16407c(07091624) 0.24628c(06071424)
1632520.0 | 0.63438c(07111024) 0.87944c(07111024) 0.67440 (07102824) 0.58878c(06071424) 0.64824c(06081824)
1632425.0 | 0.70022 (06082624) 0.39053c(07090824) 0.13555c(07111024) 0.63821c(07111024) 0.66811c(07111024)

1632330.0 | 0.45479 (07091324) 0.60370 (07062024) 0.53471c(07092724) 0.63395c(07082324) 0.30691 (07091324)
1632235.0 | 0.42476 (07010124) 0.34277 (07091324) 0.66981c(07092724) 0.48582 (06082624) 0.45703 (06082624)
1632140.0 | 0.18407 (07013024) 0.10509c(07092724) 0.38737c(06091224) 0.49913 (07041124) 0.41840 (06082624)
1632045.0 | 0.13129c(06091224) 0.11177c(07092724) 0.37344 (06030624) 0.11747c(07080124) 0.62076 (07041124)
1631950.0 | 0.12131c(06091224) 0.10332c(06091224) 0.43331 (07011524) 0.08371c(07080124) 0.10252 (06082624)
1631855.0 | 0.13465 (06030624) 0.09719c(06091224) 0.53383 (07011524) 0.07072c(06091224) 0.04147 (06082624)
1631760.0 | 0.15513 (07011524) 0.08972c(06091224) 0.64520c(06062124) 0.06270c(06091224) 0.03807 (07011124)
1631665.0 | 0.18082 (07011524) 0.08372c(06091224) 0.71033c(06062124) 0.06898 (07031324) 0.37069 (07010324)
1631570.0 | 0.20764 (07011524) 0.08613 (07031824) 0.74126c(06062124) 0.41570 (07010324) 0.49582 (07010324)
1631475.0 | 0.23281 (07011524) 0.11397 (07011624) 0.75769 (07011524) 0.51278 (07010324) 0.07663 (06123024)
1631380.0 | 0.27155 (07011524) 0.43367 (07010324) 0.76443 (07011524) 0.11821 (07011624) 0.02071c(06122924)
1631285.0 | 0.46866 (07011624) 0.49393 (07010324) 0.72397c(06062124) 0.09593 (07011524) 0.01779c(06091224)
1631190.0 | 0.51546 (07011624) 0.17707 (07011624) 0.70147c(06062124) 0.10836 (07011524) 0.01725c(06091224)
1631095.0 | 0.33375 (07011524) 0.14299 (07011524) 0.67631c(06062124) 0.12112 (07011524) 0.01675c(06091224)
1631000.0 | 0.34118c(06062124) 0.15416 (07011524) 0.64993c(06062124) 0.13631c(06062124) 0.01641 (07031824)

*** ISCST3 - VERSION 02035 *** *** SIMULACION EMISION DE PARTICULAS REFICAR 24 HRAS Y ANUAL *** 04/22/09

*** Terreno plano - PROYECTO PUERTO REFICAR *** 19:17:50

**MODELOPTs: PAGE 15

CONC RURAL FLAT

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): COQUE1 , COQUE2 , COQUE3 ,

*** NETWORK ID: CARD1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM IN MICROGRAMS/M**3 **

Y-COORD | X-COORD (METERS)
(METERS) | 842725.00 842820.00 842915.00 843010.00 843105.00

1634705.0 | 0.00841 (07102824) 0.00669 (07102824) 0.00607 (07102824) 0.00640 (07102824)

0.01204 (06101024)
1634610.0 | 0.00841 (07102824) 0.00663 (07102824) 0.00601 (07102824) 0.00642 (07102824) 0.01129 (07102824)
1634515.0 | 0.00841 (07102824) 0.00654 (07102824) 0.00593 (07102824) 0.00644 (07102824) 0.01084 (07102824)
1634420.0 | 0.00840 (07102824) 0.00641 (07102824) 0.00583 (07102824) 0.00647 (07102824) 0.01047 (07102824)
1634325.0 | 0.00837 (07102824) 0.00625 (07102824) 0.00569 (07102824) 0.00649 (07102824) 0.01019 (07102824)
1634230.0 | 0.00833 (07102824) 0.00606 (07102824) 0.00553 (07102824) 0.00651 (07102824) 0.01003 (07102824)
1634135.0 | 0.00827 (07102824) 0.00583 (07102824) 0.00533 (07102824) 0.00653 (07102824) 0.00998 (07102824)
1634040.0 | 0.00820 (07102824) 0.00556 (07102824) 0.00510 (07102824) 0.00653 (07102824) 0.01006 (07102824)
1633945.0 | 0.00812 (07102824) 0.00527 (07102824) 0.00485 (07102824) 0.00653 (07102824) 0.01028 (07102824)
1633850.0 | 0.00801 (07102824) 0.00494 (07102824) 0.00456 (07102824) 0.00652 (07102824) 0.01063 (07102824)
1633755.0 | 0.00788 (07102824) 0.00458 (07102824) 0.00470 (06060524) 0.00761 (06101724) 0.01304 (06101724)
1633660.0 | 0.00770 (07102824) 0.00461 (06060524) 0.00630 (06101724) 0.01046 (06101724) 0.01809c(06110824)
1633565.0 | 0.00746 (07102824) 0.00598 (06101724) 0.00943 (06101724) 0.01453 (06101724) 0.10838 (06091824)
1633470.0 | 0.00766 (06060524) 0.00952 (06101724) 0.01429 (06101724) 0.09483 (06091824) 0.32509 (06091824)
1633375.0 | 0.01101 (06101724) 0.01554 (06101724) 0.07883 (06091824) 0.33901 (06091824) 0.19624 (06091824)
1633280.0 | 0.01863 (06070224) 0.06170 (06091824) 0.34995 (06091824) 0.18428 (06091824) 0.03129 (06101724)
1633185.0 | 0.04648c(06051724) 0.35408 (06091824) 0.16627 (06091824) 0.03091 (06101724) 0.05221 (06091824)
1633090.0 | 0.34282 (06091824) 0.14033 (06091824) 0.03551 (06070224) 0.03944c(06051724) 0.27868 (06091824)
1632995.0 | 0.10970 (07052524) 0.04763 (06070224) 0.04189 (06070224) 0.26825 (06091824) 0.13751 (06091824)
1632900.0 | 0.36056c(07100424) 0.05945 (06070224) 0.24339 (06091824) 0.10851 (06091824) 0.02371 (06101724)
1632805.0 | 0.15532c(07100424) 0.33296c(07100424) 0.07896c(06051724) 0.03125 (06070224) 0.01661c(07053124)
1632710.0 | 0.13093c(06071424) 0.12322c(07100424) 0.27645c(07100424) 0.04831 (06080324) 0.03238c(06081824)
1632615.0 | 0.15548c(06071424) 0.10455c(06081824) 0.10849c(07100424) 0.20258c(07100424) 0.12319c(06081824)
1632520.0 | 0.80240c(06081824) 0.92781c(06081824) 0.97984c(06081824) 0.99334c(06081824) 0.98564 (07082024)
1632425.0 | 0.47184c(06081824) 0.42019c(06081824) 0.46240c(06081824) 0.54504c(06081824) 0.62708c(06081824)

1632330.0 | 0.27592 (06111024) 0.20773 (06111024) 0.16651c(07090224) 0.17406 (07102524) 0.22134 (07102524)
1632235.0 | 0.15849 (07091324) 0.09661 (07091324) 0.10383 (07102524) 0.13622 (06050124) 0.17201 (06050124)
1632140.0 | 0.35151 (06082624) 0.12279 (07052224) 0.04517 (07052224) 0.05007 (06030124) 0.16622 (06030124)
1632045.0 | 0.39951 (06082624) 0.39796 (07041124) 0.09937 (06082624) 0.13970 (06030124) 0.17069 (06030124)
1631950.0 | 0.66910 (07041124) 0.47437 (07041124) 0.49399 (07041124) 0.23685 (06030124) 0.06462 (06030124)
1631855.0 | 0.11081 (06082624) 0.67888 (07041124) 0.56204 (07041124) 0.54177 (07041124) 0.09465 (07060224)
1631760.0 | 0.32117 (06030124) 0.42677 (06030124) 0.66439 (07041124) 0.62987 (07041124) 0.56653 (07041124)
1631665.0 | 0.46591 (07010324) 0.04781 (06030124) 0.15123 (07041124) 0.64153 (07041124) 0.67678 (07041124)
1631570.0 | 0.05527 (06022724) 0.02116 (07052224) 0.03575 (07060224) 0.17470 (07041124) 0.61931 (07041124)
1631475.0 | 0.01523 (07013024) 0.01185 (07052224) 0.02098 (07052224) 0.03657 (07060224) 0.19655 (07041124)
1631380.0 | 0.01030 (07013024) 0.00656 (07052224) 0.01255 (07052224) 0.02041 (07052224) 0.03859 (07060224)
1631285.0 | 0.00846c(07092724) 0.00432c(07080124) 0.00740 (07052224) 0.01302 (07052224) 0.02273c(07080124)
1631190.0 | 0.00816c(07092724) 0.00401c(06091124) 0.00477c(07080124) 0.00942c(07080124) 0.01839c(07080124)
1631095.0 | 0.00819c(06091224) 0.00436c(07092724) 0.00422c(06091124) 0.00784c(07080124) 0.01520c(07080124)
1631000.0 | 0.00844c(06091224) 0.00474c(07092724) 0.00444c(06091124) 0.00721c(06091124) 0.01383c(06091224)

CONC RURAL FLAT

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): COQUE1 , COQUE2 , COQUE3 ,

*** NETWORK ID: CARD1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)				
	843200.00	843295.00	843390.00	843485.00	843580.00
1634705.0	0.10955 (06101024)	0.26455 (06101024)	0.16950 (06101024)	0.02881 (06101024)	

0.00561 (07102824)
1634610.0 | 0.10719 (06101024) 0.27484 (06101024) 0.17084 (06101024) 0.02574 (06101024)
0.00567 (07102824)
1634515.0 | 0.10426 (06101024) 0.28574 (06101024) 0.17174 (06101024) 0.02264 (06101024)
0.00578 (07102824)
1634420.0 | 0.10071 (06101024) 0.29726 (06101024) 0.17210 (06101024) 0.01954 (06101024)
0.00634 (06101724)
1634325.0 | 0.09648 (06101024) 0.30944 (06101024) 0.17179 (06101024) 0.01651 (06101024)
0.00738 (06101724)
1634230.0 | 0.09153 (06101024) 0.32233 (06101024) 0.17070 (06101024) 0.01429 (07102824)
0.00933c(06110824)
1634135.0 | 0.08585 (06101024) 0.33600 (06101024) 0.16870 (06101024) 0.01532 (06101724)
0.03568 (06091824)
1634040.0 | 0.07935 (06101024) 0.35021 (06101024) 0.16548 (06101024) 0.03473c(06110824)
0.13080 (06091824)
1633945.0 | 0.07206 (06101024) 0.36485 (06101024) 0.16085 (06101024) 0.13121 (06091824)
0.24219 (06091824)
1633850.0 | 0.06403 (06101024) 0.37978 (06101024) 0.16504c(07080524) 0.25838 (06091824)
0.19009 (06091824)
1633755.0 | 0.05539 (06101024) 0.39474 (06101024) 0.29105 (06091824) 0.19612 (06091824)
0.06915 (06091824)
1633660.0 | 0.12396c(06110824) 0.40939 (06101024) 0.21577 (06091824) 0.06094 (06091824)
0.09798 (06091824)
1633565.0 | 0.31339 (06091824) 0.42315 (06101024) 0.12389 (06101024) 0.09287 (06091824)
0.22635 (06091824)
1633470.0 | 0.20555 (06091824) 0.43525 (06101024) 0.11568c(07080524) 0.24100 (06091824)
0.17047 (06091824)
1633375.0 | 0.04543c(06110824) 0.44449 (06101024) 0.26633 (06091824) 0.17382 (06091824)
0.03385 (06091824)
1633280.0 | 0.07482c(06110824) 0.44923 (06101024) 0.18917c(06110824) 0.03527c(06110824)
0.01098 (06101724)
1633185.0 | 0.27889 (06091824) 0.44536 (06101024) 0.06465 (07102824) 0.02037 (07102824)
0.00809 (06060524)
1633090.0 | 0.16496c(06110824) 0.42903 (06101024) 0.06338 (07102824) 0.02162 (07102824)
0.00704 (06060524)
1632995.0 | 0.04638 (07102824) 0.39662 (06101024) 0.06713 (07102824) 0.02261 (07102824)
0.00627 (06060524)
1632900.0 | 0.05294 (07102824) 0.33782 (06101024) 0.07570 (07102824) 0.02296 (07102824)
0.00882c(06071424)
1632805.0 | 0.06119 (07102824) 0.24803 (06101024) 0.09070 (07102824) 0.02264c(07053124)
0.02047c(06071424)
1632710.0 | 0.06820 (07102824) 0.24935 (07102824) 0.11181 (07102824) 0.03130c(06081824)
0.05099c(06071424)
1632615.0 | 0.14039c(06081824) 0.33856 (07102824) 0.17928c(06081824) 0.20197c(06081824)
0.22023c(06081824)
1632520.0 | 0.95890c(06081824) 0.92721c(06081824) 0.90018c(06081824) 0.87775c(06081824)
0.84311c(06081824)
1632425.0 | 0.73878 (07082024) 0.78235 (07102824) 0.78538c(06081824) 0.79832c(06081824)
0.80638c(06081824)

1632330.0 | 0.24487 (06070324) 0.19082c(06081824) 0.38857c(06071424) 0.61451c(06081824) 0.57333c(06081824)
1632235.0 | 0.21047 (06120324) 0.11348c(07010624) 0.45537 (06082624) 0.34579c(07111024) 0.30660c(07111024)
1632140.0 | 0.24477 (06030124) 0.48446c(07092724) 0.28572 (06082624) 0.42240 (06082624) 0.11782 (06082624)
1632045.0 | 0.05759 (07013024) 0.37189c(06091224) 0.11398c(07092724) 0.23244 (06082624) 0.29395 (06082624)
1631950.0 | 0.06147c(07092724) 0.32876 (06030624) 0.11118c(07092724) 0.06621 (06082624) 0.16874 (06082624)
1631855.0 | 0.06923c(07080124) 0.36238 (07011524) 0.10067c(06091224) 0.02389 (06082624) 0.06240 (06082624)
1631760.0 | 0.11257 (07041124) 0.45134 (07011524) 0.08819c(06091224) 0.02409c(07080124) 0.02760 (07052224)
1631665.0 | 0.57858 (07041124) 0.55949c(06062124) 0.08337 (06030624) 0.02896c(07080124) 0.01969 (07052224)
1631570.0 | 0.70545 (07041124) 0.76824 (07060224) 0.16044 (07041124) 0.03301c(07080124) 0.02131 (07052224)
1631475.0 | 0.60130 (07041124) 0.90207 (07060224) 0.57934 (07041124) 0.16370 (07041124) 0.03358 (07060224)
1631380.0 | 0.21796 (07041124) 0.80185 (07060224) 0.72777 (07041124) 0.54814 (07041124) 0.17675 (07041124)
1631285.0 | 0.05429 (06030624) 0.70033c(06062124) 0.58755 (07041124) 0.68931 (07041124) 0.53255 (07041124)
1631190.0 | 0.05794 (06030624) 0.68799c(06062124) 0.27070 (07041124) 0.53779 (07041124) 0.66923 (07041124)
1631095.0 | 0.06175 (07011524) 0.67007c(06062124) 0.18061c(06062124) 0.23871 (07041124) 0.51949 (07041124)
1631000.0 | 0.07059 (07011524) 0.64895c(06062124) 0.19977c(06062124) 0.06134 (07041124) 0.24164 (07041124)

CONC RURAL FLAT

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): COQUE1 , COQUE2 , COQUE3 ,

*** NETWORK ID: CARD1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)				
	843675.00	843770.00	843865.00	843960.00	844055.00
1634705.0	0.00367 (07102824)	0.00328 (06101724)	0.00352 (06101724)	0.00391c(06071424)	

0.01475 (06091824)
1634610.0 | 0.00396 (06101724) 0.00399 (06101724) 0.00430 (06101724) 0.01299 (06091824) 0.05114 (06091824)
1634515.0 | 0.00473 (06101724) 0.00486 (06101724) 0.01132 (06091824) 0.04870 (06091824) 0.12242 (06091824)
1634420.0 | 0.00571 (06101724) 0.00982 (06091824) 0.04591 (06091824) 0.12486 (06091824) 0.18314 (06091824)
1634325.0 | 0.00893c(06110824) 0.04277 (06091824) 0.12704 (06091824) 0.19279 (06091824) 0.16327 (06091824)
1634230.0 | 0.03933 (06091824) 0.12884 (06091824) 0.20340 (06091824) 0.16809 (06091824) 0.10410 (06091824)
1634135.0 | 0.13015 (06091824) 0.21508 (06091824) 0.17321 (06091824) 0.09869 (06091824) 0.11450 (06091824)
1634040.0 | 0.22797 (06091824) 0.17862 (06091824) 0.09238 (06091824) 0.11230 (06091824) 0.16993 (06091824)
1633945.0 | 0.18427 (06091824) 0.08524 (06091824) 0.10957 (06091824) 0.17903 (06091824) 0.14489 (06091824)
1633850.0 | 0.07741 (06091824) 0.10628 (06091824) 0.18913 (06091824) 0.15039 (06091824) 0.05688 (06091824)
1633755.0 | 0.10246 (06091824) 0.20038 (06091824) 0.15586 (06091824) 0.05333 (06091824) 0.01076c(06051724)
1633660.0 | 0.21280 (06091824) 0.16124 (06091824) 0.04910 (06091824) 0.00925c(06051724) 0.00576c(06071424)
1633565.0 | 0.16618 (06091824) 0.04425 (06091824) 0.00792c(06051724) 0.00580 (06070224) 0.00560 (06070224)
1633470.0 | 0.03898 (06091824) 0.00760 (06101724) 0.00584 (06070224) 0.00558 (06070224) 0.00594 (06070224)
1633375.0 | 0.00864 (06101724) 0.00586 (06070224) 0.00545 (06070224) 0.00596 (06070224) 0.00699 (06070224)
1633280.0 | 0.00628 (06101724) 0.00521 (06070224) 0.00585 (06070224) 0.00737 (06070224) 0.00918 (06101724)
1633185.0 | 0.00485 (06070224) 0.00552 (06070224) 0.00766 (06070224) 0.01013 (06070224) 0.02367 (06091824)
1633090.0 | 0.00525c(06071424) 0.00797c(06071424) 0.01168c(06071424) 0.01882c(06051724) 0.19380 (06091824)
1632995.0 | 0.00838c(06071424) 0.01387c(06071424) 0.02052c(06071424) 0.18416 (06091824) 0.24210 (06091824)
1632900.0 | 0.01682c(06071424) 0.02598c(06071424) 0.16417 (06091824) 0.23551 (06091824) 0.02717 (07052524)
1632805.0 | 0.03502c(06071424) 0.13474 (07052524) 0.21630 (07052524) 0.02819c(06071424) 0.01715c(06071424)
1632710.0 | 0.09721 (07052524) 0.18253 (07052524) 0.04140c(06071424) 0.03228c(06081824) 0.03394c(06081824)
1632615.0 | 0.23275c(06081824) 0.24285c(06081824) 0.25219c(06081824) 0.26077c(06081824) 0.26831c(06081824)
1632520.0 | 0.81021c(06081824) 0.78455c(06081824) 0.76375c(06081824) 0.74515c(06081824) 0.72734c(06081824)
1632425.0 | 0.82261c(06081824) 0.82741c(06081824) 0.82102c(06081824) 0.80825c(06081824) 0.79224c(06081824)

1632330.0 | 0.52523c(06081824) 0.53041c(06081824) 0.57819c(06081824) 0.64258c(06081824) 0.69738c(06081824)
1632235.0 | 0.24173c(06081824) 0.21302c(06081824) 0.21898c(06081824) 0.24987c(06081824) 0.28771c(06081824)
1632140.0 | 0.05501c(07111024) 0.05932c(07111024) 0.05931c(06081824) 0.05764c(06081824) 0.05410c(06081824)
1632045.0 | 0.10056 (06082624) 0.03320 (07052224) 0.01743c(07111024) 0.01910c(07111024) 0.02129c(06081824)
1631950.0 | 0.33905 (07041124) 0.07755 (06082624) 0.03385 (07052224) 0.01386 (07052224) 0.00779c(07111024)
1631855.0 | 0.16402 (06082624) 0.44040 (07041124) 0.06811 (07060224) 0.03086 (07052224) 0.01512 (07052224)
1631760.0 | 0.05452 (07052224) 0.20566 (07041124) 0.49331 (07041124) 0.07204 (07060224) 0.02703 (07052224)
1631665.0 | 0.03051 (07052224) 0.04602 (07052224) 0.25115 (07041124) 0.51250 (07041124) 0.08395 (07041124)
1631570.0 | 0.02217 (07052224) 0.03021 (07052224) 0.04207 (07060224) 0.28601 (07041124) 0.50900 (07041124)
1631475.0 | 0.02138 (07052224) 0.02315 (07052224) 0.02848 (07052224) 0.04284 (07060224) 0.30717 (07041124)
1631380.0 | 0.03640 (07060224) 0.02131 (07052224) 0.02299 (07052224) 0.02628 (07052224) 0.04684 (07060224)
1631285.0 | 0.18903 (07041124) 0.04036 (07060224) 0.02100 (07060224) 0.02213 (07052224) 0.02404 (07052224)
1631190.0 | 0.51735 (07041124) 0.19964 (07041124) 0.04502 (07060224) 0.02134 (07060224) 0.02094 (07052224)
1631095.0 | 0.64734 (07041124) 0.50235 (07041124) 0.20834 (07041124) 0.05153 (07041124) 0.02180 (07060224)
1631000.0 | 0.50318 (07041124) 0.62443 (07041124) 0.48749 (07041124) 0.21540 (07041124) 0.05846 (07041124)

*** ISCST3 - VERSION 02035 *** *** SIMULACION EMISION DE PARTICULAS REFICAR 24 HRAS Y ANUAL *** 04/22/09

*** Terreno plano - PROYECTO PUERTO REFICAR *** 19:17:50

**MODELOPTs: PAGE 18

CONC RURAL FLAT

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): COQUE1 , COQUE2 , COQUE3 ,

*** NETWORK ID: CARD1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)				
	844150.00	844245.00	844340.00	844435.00	844530.00
1634705.0	0.05320 (06091824)	0.11712 (06091824)	0.15931 (06091824)	0.14715 (06091824)	

0.11932 (06091824)
1634610.0 | 0.11979 (06091824) 0.16637 (06091824) 0.15064 (06091824) 0.11754 (06091824) 0.11928 (06091824)
1634515.0 | 0.17437 (06091824) 0.15452 (06091824) 0.11521 (06091824) 0.11892 (06091824) 0.13659 (06091824)
1634420.0 | 0.15875 (06091824) 0.11231 (06091824) 0.11838 (06091824) 0.14187 (06091824) 0.11970 (06091824)
1634325.0 | 0.10863 (06091824) 0.11749 (06091824) 0.14779 (06091824) 0.12426 (06091824) 0.06559 (06091824)
1634230.0 | 0.11621 (06091824) 0.15439 (06091824) 0.12909 (06091824) 0.06483 (06091824) 0.02134 (06091824)
1634135.0 | 0.16175 (06091824) 0.13417 (06091824) 0.06366 (06091824) 0.01928 (06091824) 0.00565c(06051724)
1634040.0 | 0.13945 (06091824) 0.06199 (06091824) 0.01712 (06091824) 0.00563c(06071424) 0.00502 (06070224)
1633945.0 | 0.05975 (06091824) 0.01492 (06091824) 0.00569c(06071424) 0.00519 (06070224) 0.00512 (06070224)
1633850.0 | 0.01273 (06091824) 0.00573c(06071424) 0.00534 (06070224) 0.00531 (06070224) 0.00549 (06101724)
1633755.0 | 0.00576c(06071424) 0.00546 (06070224) 0.00550 (06070224) 0.00574 (06101724) 0.01007c(06051724)
1633660.0 | 0.00556 (06070224) 0.00568 (06070224) 0.00599 (06101724) 0.00853c(06051724) 0.05784 (06091824)
1633565.0 | 0.00583 (06070224) 0.00627c(07090124) 0.00736c(06071424) 0.05240 (06091824) 0.17941 (06091824)
1633470.0 | 0.00662c(07090124) 0.00778 (06101724) 0.04599 (06091824) 0.18615 (06091824) 0.20491 (06091824)
1633375.0 | 0.00845 (06101724) 0.03877 (06091824) 0.19190 (06091824) 0.21536 (06091824) 0.06989 (06091824)
1633280.0 | 0.03113 (06091824) 0.19590 (06091824) 0.22534 (06091824) 0.06295 (06091824) 0.00850c(06051724)
1633185.0 | 0.19704 (06091824) 0.23408 (06091824) 0.05456 (06091824) 0.00810c(06071424) 0.00548c(07090124)
1633090.0 | 0.24032 (06091824) 0.04502 (06091824) 0.00923c(06071424) 0.00626c(07090124) 0.00455c(06071424)
1632995.0 | 0.03536 (07052524) 0.01090c(06071424) 0.00746c(06071424) 0.00557c(06081824) 0.00561c(06081824)
1632900.0 | 0.01339c(06071424) 0.00914c(06071424) 0.00876c(06081824) 0.00865c(06081824) 0.00856c(06081824)
1632805.0 | 0.01418c(06081824) 0.01379c(06081824) 0.01356c(06081824) 0.01349c(06081824) 0.01358c(06081824)
1632710.0 | 0.03643c(06081824) 0.03959c(06081824) 0.04324c(06081824) 0.04722c(06081824) 0.05138c(06081824)
1632615.0 | 0.27461c(06081824) 0.27974c(06081824) 0.28368c(06081824) 0.28656c(06081824) 0.28855c(06081824)
1632520.0 | 0.70992c(06081824) 0.69314c(06081824) 0.67675c(06081824) 0.66079c(06081824) 0.64530c(06081824)
1632425.0 | 0.77489c(06081824) 0.75752c(06081824) 0.74085c(06081824) 0.72550c(06081824) 0.71183c(06081824)

1632330.0 | 0.74175c(06081824) 0.77417c(06081824) 0.79386c(06081824) 0.80433c(06081824) 0.80788c(06081824)
1632235.0 | 0.32653c(06081824) 0.36165c(06081824) 0.38991c(06081824) 0.41202c(06081824) 0.42868c(06081824)
1632140.0 | 0.05006c(06081824) 0.04630c(06081824) 0.04333c(06081824) 0.04146c(06081824) 0.04091c(06081824)
1632045.0 | 0.02275c(06081824) 0.02338c(06081824) 0.02339c(06081824) 0.02299c(06081824) 0.02232c(06081824)
1631950.0 | 0.00857c(07111024) 0.00979c(06081824) 0.01083c(06081824) 0.01161c(06081824) 0.01214c(06081824)
1631855.0 | 0.00715 (07052224) 0.00419c(07111024) 0.00460c(07111024) 0.00520c(06081824) 0.00584c(06081824)
1631760.0 | 0.01510 (07052224) 0.00804 (07052224) 0.00421 (07052224) 0.00251c(07111024) 0.00275c(07111024)
1631665.0 | 0.02347 (07052224) 0.01441 (07052224) 0.00843 (07052224) 0.00480 (07052224) 0.00272 (07052224)
1631570.0 | 0.10404 (07041124) 0.02216 (07060224) 0.01345 (07052224) 0.00848 (07052224) 0.00518 (07052224)
1631475.0 | 0.49336 (07041124) 0.12370 (07041124) 0.02217 (07060224) 0.01244 (07052224) 0.00831 (07052224)
1631380.0 | 0.31828 (07041124) 0.47219 (07041124) 0.14095 (07041124) 0.02354 (07060224) 0.01148 (07052224)
1631285.0 | 0.05318 (07060224) 0.32169 (07041124) 0.44855 (07041124) 0.15494 (07041124) 0.02614 (07060224)
1631190.0 | 0.02234 (07060224) 0.06293 (07041124) 0.31961 (07041124) 0.42428 (07041124) 0.16558 (07041124)
1631095.0 | 0.01960 (07052224) 0.02178 (07060224) 0.07382 (07041124) 0.31378 (07041124) 0.40044 (07041124)
1631000.0 | 0.02248 (07060224) 0.01844 (07060224) 0.02185 (07060224) 0.08413 (07041124) 0.30553 (07041124)

CONC RURAL FLAT

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): COQUE1 , COQUE2 , COQUE3 ,

*** NETWORK ID: CARD1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)				
	844625.00	844720.00	844815.00	844910.00	845005.00
1634705.0	0.11942 (06091824)	0.12792 (06091824)	0.10816 (06091824)	0.06607 (06091824)	

0.02969 (06091824)
1634610.0 | 0.13202 (06091824) 0.11171 (06091824) 0.06625 (06091824) 0.02831 (06091824)
0.00958 (06091824)
1634515.0 | 0.11553 (06091824) 0.06624 (06091824) 0.02678 (06091824) 0.00859 (06091824)
0.00451c(06071424)
1634420.0 | 0.06601 (06091824) 0.02510 (06091824) 0.00762 (06091824) 0.00460c(06071424)
0.00443c(06071424)
1634325.0 | 0.02328 (06091824) 0.00691c(06051724) 0.00469c(06071424) 0.00451c(06071424)
0.00573c(06051724)
1634230.0 | 0.00625c(06051724) 0.00479c(06071424) 0.00460c(06071424) 0.00509c(06051724)
0.02176 (06091824)
1634135.0 | 0.00489c(06071424) 0.00476 (06101724) 0.00509c(06071424) 0.01937 (06091824)
0.07180 (06091824)
1634040.0 | 0.00493 (06101724) 0.00519c(06071424) 0.01689 (06091824) 0.07047 (06091824)
0.14426 (06091824)
1633945.0 | 0.00530c(06071424) 0.01440 (06091824) 0.06850 (06091824) 0.15085 (06091824)
0.15763 (06091824)
1633850.0 | 0.01198 (06091824) 0.06580 (06091824) 0.15774 (06091824) 0.16595 (06091824)
0.08536 (06091824)
1633755.0 | 0.06227 (06091824) 0.16486 (06091824) 0.17485 (06091824) 0.08424 (06091824)
0.02137 (06091824)
1633660.0 | 0.17216 (06091824) 0.18434 (06091824) 0.08230 (06091824) 0.01837 (06091824)
0.00390c(06071424)
1633565.0 | 0.19447 (06091824) 0.07941 (06091824) 0.01537 (06091824) 0.00402c(06071424)
0.00291 (06101724)
1633470.0 | 0.07534 (06091824) 0.01248 (06091824) 0.00419c(06071424) 0.00304c(07090124)
0.00232c(06071424)
1633375.0 | 0.01024c(06051724) 0.00450 (06101724) 0.00330c(07090124) 0.00247c(06071424)
0.00193c(06071424)
1633280.0 | 0.00485c(07090124) 0.00361c(07090124) 0.00268c(06071424) 0.00208c(06071424)
0.00166c(06071424)
1633185.0 | 0.00397c(07090124) 0.00298c(06071424) 0.00239c(06081824) 0.00248c(06081824)
0.00257c(06081824)
1633090.0 | 0.00359c(06081824) 0.00368c(06081824) 0.00377c(06081824) 0.00385c(06081824)
0.00392c(06081824)
1632995.0 | 0.00565c(06081824) 0.00568c(06081824) 0.00572c(06081824) 0.00575c(06081824)
0.00577c(06081824)
1632900.0 | 0.00849c(06081824) 0.00844c(06081824) 0.00840c(06081824) 0.00838c(06081824)
0.00836c(06081824)
1632805.0 | 0.01380c(06081824) 0.01416c(06081824) 0.01463c(06081824) 0.01522c(06081824)
0.01592c(06081824)
1632710.0 | 0.05563c(06081824) 0.05989c(06081824) 0.06409c(06081824) 0.06821c(06081824)
0.07221c(06081824)
1632615.0 | 0.28979c(06081824) 0.29044c(06081824) 0.29061c(06081824) 0.29039c(06081824)
0.28987c(06081824)
1632520.0 | 0.63025c(06081824) 0.61564c(06081824) 0.60147c(06081824) 0.58775c(06081824)
0.57450c(06081824)
1632425.0 | 0.69971c(06081824) 0.68900c(06081824) 0.67945c(06081824) 0.67083c(06081824)
0.66287c(06081824)

1632330.0 | 0.80601c(06081824) 0.80003c(06081824) 0.79103c(06081824) 0.77985c(06081824) 0.76713c(06081824)
1632235.0 | 0.44057c(06081824) 0.44846c(06081824) 0.45309c(06081824) 0.45512c(06081824) 0.45511c(06081824)
1632140.0 | 0.04175c(06081824) 0.04393c(06081824) 0.04734c(06081824) 0.05179c(06081824) 0.05706c(06081824)
1632045.0 | 0.02150c(06081824) 0.02061c(06081824) 0.01972c(06081824) 0.01888c(06081824) 0.01812c(06081824)
1631950.0 | 0.01245c(06081824) 0.01259c(06081824) 0.01258c(06081824) 0.01247c(06081824) 0.01227c(06081824)
1631855.0 | 0.00640c(06081824) 0.00686c(06081824) 0.00722c(06081824) 0.00749c(06081824) 0.00769c(06081824)
1631760.0 | 0.00304c(07111024) 0.00342c(06081824) 0.00380c(06081824) 0.00413c(06081824) 0.00443c(06081824)
1631665.0 | 0.00161c(07111024) 0.00176c(07111024) 0.00195c(07111024) 0.00216c(07111024) 0.00239c(06081824)
1631570.0 | 0.00312 (07052224) 0.00187 (07052224) 0.00114 (07052224) 0.00120c(07111024) 0.00133c(07111024)
1631475.0 | 0.00539 (07052224) 0.00342 (07052224) 0.00216 (07052224) 0.00136 (07052224) 0.00086 (07052224)
1631380.0 | 0.00803 (07052224) 0.00546 (07052224) 0.00364 (07052224) 0.00239 (07052224) 0.00157 (07052224)
1631285.0 | 0.01093 (07060224) 0.00770 (07052224) 0.00545 (07052224) 0.00378 (07052224) 0.00258 (07052224)
1631190.0 | 0.02969 (07041124) 0.01073 (07060224) 0.00735 (07052224) 0.00538 (07052224) 0.00386 (07052224)
1631095.0 | 0.17311 (07041124) 0.03540 (07041124) 0.01085 (07060224) 0.00701 (07052224) 0.00527 (07052224)
1631000.0 | 0.37759 (07041124) 0.17795 (07041124) 0.04140 (07041124) 0.01130 (07060224) 0.00669 (07052224)

CONC RURAL FLAT

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): COQUE1 , COQUE2 , COQUE3 ,

*** NETWORK ID: CARD1 ; NETWORK TYPE: GRIDCART ***

** CONC OF PM IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)				
	845100.00	845195.00	845290.00	845385.00	845480.00
1634705.0	0.01059 (06091824)	0.00436c(06071424)	0.00423c(06071424)	0.00933 (06091824)	

0.03138 (06091824)
1634610.0 | 0.00443c(06071424) 0.00429c(06071424) 0.00821 (06091824) 0.02980 (06091824) 0.07225 (06091824)
1634515.0 | 0.00436c(06071424) 0.00721c(06051724) 0.02803 (06091824) 0.07269 (06091824) 0.11631 (06091824)
1634420.0 | 0.00644c(06051724) 0.02612 (06091824) 0.07293 (06091824) 0.12112 (06091824) 0.12397 (06091824)
1634325.0 | 0.02402 (06091824) 0.07295 (06091824) 0.12640 (06091824) 0.12967 (06091824) 0.08328 (06091824)
1634230.0 | 0.07260 (06091824) 0.13202 (06091824) 0.13593 (06091824) 0.08436 (06091824) 0.03371 (06091824)
1634135.0 | 0.13798 (06091824) 0.14265 (06091824) 0.08521 (06091824) 0.03172 (06091824) 0.00822 (06091824)
1634040.0 | 0.14988 (06091824) 0.08572 (06091824) 0.02947 (06091824) 0.00700 (06091824) 0.00258c(06071424)
1633945.0 | 0.08581 (06091824) 0.02698 (06091824) 0.00599c(06051724) 0.00261c(06071424) 0.00198c(06071424)
1633850.0 | 0.02426 (06091824) 0.00518c(06051724) 0.00264c(06071424) 0.00201c(06071424) 0.00162 (06070224)
1633755.0 | 0.00446c(06051724) 0.00270c(06071424) 0.00206c(06071424) 0.00164 (06070224) 0.00132c(06071424)
1633660.0 | 0.00277 (06101724) 0.00213c(06071424) 0.00168c(06071424) 0.00135c(06071424) 0.00108c(06071424)
1633565.0 | 0.00221c(06071424) 0.00174c(06071424) 0.00138c(06071424) 0.00111c(06071424) 0.00090c(06071424)
1633470.0 | 0.00182c(06071424) 0.00144c(06071424) 0.00116c(06071424) 0.00095c(06071424) 0.00090c(07111024)
1633375.0 | 0.00153c(06071424) 0.00124c(06071424) 0.00121c(06081824) 0.00128c(07111024) 0.00135c(07111024)
1633280.0 | 0.00171c(06081824) 0.00179c(06081824) 0.00187c(06081824) 0.00194c(06081824) 0.00201c(06081824)
1633185.0 | 0.00266c(06081824) 0.00273c(06081824) 0.00281c(06081824) 0.00288c(06081824) 0.00294c(06081824)
1633090.0 | 0.00399c(06081824) 0.00405c(06081824) 0.00410c(06081824) 0.00415c(06081824) 0.00419c(06081824)
1632995.0 | 0.00580c(06081824) 0.00581c(06081824) 0.00582c(06081824) 0.00582c(06081824) 0.00582c(06081824)
1632900.0 | 0.00836c(06081824) 0.00837c(06081824) 0.00839c(06081824) 0.00843c(06081824) 0.00849c(06081824)
1632805.0 | 0.01672c(06081824) 0.01764c(06081824) 0.01865c(06081824) 0.01975c(06081824) 0.02094c(06081824)
1632710.0 | 0.07608c(06081824) 0.07985c(06081824) 0.08350c(06081824) 0.08701c(06081824) 0.09037c(06081824)
1632615.0 | 0.28909c(06081824) 0.28828c(06081824) 0.28741c(06081824) 0.28638c(06081824) 0.28525c(06081824)
1632520.0 | 0.56173c(06081824) 0.54975c(06081824) 0.53842c(06081824) 0.52761c(06081824) 0.51745c(06081824)
1632425.0 | 0.65534c(06081824) 0.64824c(06081824) 0.64135c(06081824) 0.63450c(06081824) 0.62790c(06081824)

1632330.0 | 0.75338c(06081824) 0.73901c(06081824) 0.72437c(06081824) 0.70984c(06081824) 0.69564c(06081824)
1632235.0 | 0.45351c(06081824) 0.45069c(06081824) 0.44702c(06081824) 0.44290c(06081824) 0.43844c(06081824)
1632140.0 | 0.06295c(06081824) 0.06925c(06081824) 0.07579c(06081824) 0.08244c(06081824) 0.08908c(06081824)
1632045.0 | 0.01748c(06081824) 0.01700c(06081824) 0.01671c(06081824) 0.01663c(06081824) 0.01677c(06081824)
1631950.0 | 0.01203c(06081824) 0.01174c(06081824) 0.01143c(06081824) 0.01111c(06081824) 0.01078c(06081824)
1631855.0 | 0.00781c(06081824) 0.00787c(06081824) 0.00788c(06081824) 0.00785c(06081824) 0.00778c(06081824)
1631760.0 | 0.00468c(06081824) 0.00489c(06081824) 0.00506c(06081824) 0.00519c(06081824) 0.00528c(06081824)
1631665.0 | 0.00262c(06081824) 0.00284c(06081824) 0.00304c(06081824) 0.00322c(06081824) 0.00338c(06081824)
1631570.0 | 0.00147c(07111024) 0.00162c(07111024) 0.00178c(07111024) 0.00192c(07111024) 0.00206c(07111024)
1631475.0 | 0.00086c(07111024) 0.00095c(07111024) 0.00105c(07111024) 0.00116c(07111024) 0.00127c(07111024)
1631380.0 | 0.00102 (07052224) 0.00068 (07052224) 0.00063c(07111024) 0.00070c(07111024) 0.00077c(07111024)
1631285.0 | 0.00175 (07052224) 0.00118 (07052224) 0.00080 (07052224) 0.00054 (07052224) 0.00048c(07111024)
1631190.0 | 0.00272 (07052224) 0.00191 (07052224) 0.00132 (07052224) 0.00092 (07052224) 0.00064 (07052224)
1631095.0 | 0.00389 (07052224) 0.00283 (07052224) 0.00203 (07052224) 0.00145 (07052224) 0.00103 (07052224)
1631000.0 | 0.00513 (07052224) 0.00388 (07052224) 0.00289 (07052224) 0.00213 (07052224) 0.00156 (07052224)

CONC RURAL FLAT

*** THE MAXIMUM 50 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): COQUE1 , COQUE2 , COQUE3 ,

** CONC OF PM IN MICROGRAMS/M**3 **

RANK CONC (YYMMDDHH) AT RECEPTOR (XR,YR) OF TYPE RANK CONC (YYMMDDHH) AT RECEPTOR (XR,YR) OF TYPE
---
1. 0.99334c(06081824) AT (843010.00, 1632520.00) GC 26. 0.83393 (07082024) AT (842820.00, 1632520.00) GC
2. 0.98564 (07082024) AT (843105.00, 1632520.00) GC 27. 0.82741c(06081824) AT (843770.00, 1632425.00) GC

3. 0.98418c(06081824) AT (843105.00, 1632520.00) GC
4. 0.97984c(06081824) AT (842915.00, 1632520.00) GC
5. 0.95890c(06081824) AT (843200.00, 1632520.00) GC
6. 0.95701 (07082024) AT (843010.00, 1632520.00) GC
7. 0.92781c(06081824) AT (842820.00, 1632520.00) GC
8. 0.92721c(06081824) AT (843295.00, 1632520.00) GC
9. 0.92517 (07082024) AT (843200.00, 1632520.00) GC
10. 0.92375 (06060624) AT (843295.00, 1632520.00) GC
11. 0.90561 (06060624) AT (843200.00, 1632520.00) GC
12. 0.90551 (06060624) AT (843105.00, 1632520.00) GC
13. 0.90523 (07082024) AT (842915.00, 1632520.00) GC
14. 0.90335 (07082024) AT (843295.00, 1632520.00) GC
15. 0.90207 (07060224) AT (843295.00, 1631475.00) GC
16. 0.90018c(06081824) AT (843390.00, 1632520.00) GC
17. 0.89644 (06060624) AT (843010.00, 1632520.00) GC
18. 0.87944c(07111024) AT (842345.00, 1632520.00) GC
19. 0.87863 (07041124) AT (843295.00, 1631475.00) GC
20. 0.87775c(06081824) AT (843485.00, 1632520.00) GC
21. 0.87374 (06060624) AT (843390.00, 1632520.00) GC
22. 0.86152 (06060624) AT (842915.00, 1632520.00) GC
23. 0.86084 (07082024) AT (843390.00, 1632520.00) GC
24. 0.84311c(06081824) AT (843580.00, 1632520.00) GC
25. 0.83985 (07082024) AT (843485.00, 1632520.00) GC
28. 0.82665 (06060624) AT (843485.00, 1632520.00) GC
29. 0.82261c(06081824) AT (843675.00, 1632425.00) GC
30. 0.82102c(06081824) AT (843865.00, 1632425.00) GC
31. 0.81067c(06081824) AT (842345.00, 1632520.00) GC
32. 0.81021c(06081824) AT (843675.00, 1632520.00) GC
33. 0.80976 (07082024) AT (843580.00, 1632520.00) GC
34. 0.80825c(06081824) AT (843960.00, 1632425.00) GC
35. 0.80788c(06081824) AT (844530.00, 1632330.00) GC
36. 0.80638c(06062124) AT (842155.00, 1631475.00) GC
37. 0.80638c(06081824) AT (843580.00, 1632425.00) GC
38. 0.80601c(06081824) AT (844625.00, 1632330.00) GC
39. 0.80433c(06081824) AT (844435.00, 1632330.00) GC
40. 0.80425c(06062124) AT (842155.00, 1631570.00) GC
41. 0.80240c(06081824) AT (842725.00, 1632520.00) GC
42. 0.80185 (07060224) AT (843295.00, 1631380.00) GC
43. 0.80115 (06060624) AT (843580.00, 1632520.00) GC
44. 0.80063c(06060124) AT (843295.00, 1631475.00) GC
45. 0.80003c(06081824) AT (844720.00, 1632330.00) GC
46. 0.79832c(06081824) AT (843485.00, 1632425.00) GC
47. 0.79763c(06062124) AT (842155.00, 1631380.00) GC
48. 0.79461 (07110424) AT (843295.00, 1631475.00) GC
49. 0.79386c(06081824) AT (844340.00, 1632330.00) GC
50. 0.79224c(06081824) AT (844055.00, 1632425.00) GC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR

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            DC = DISCCART
            DP = DISCPOLR
            BD = BOUNDARY
 *** ISCST3 - VERSION 02035 ***    ***  SIMULACION EMISION DE PARTICULAS REFICAR 24 HRS Y ANUAL
***      04/22/09
                  *** Terreno plano - PROYECTO PUERTO REFICAR                  ***      19:17:50
**MODELOPTs:                                                      PAGE  22
CONC              RURAL FLAT

                       *** THE SUMMARY OF MAXIMUM PERIOD ( 17519 HRS) RESULTS ***


                     ** CONC OF PM      IN MICROGRAMS/M**3                **

                                                    NETWORK
GROUP ID              AVERAGE CONC          RECEPTOR  (XR, YR, ZELEV, ZFLAG)  OF TYPE  GRID-ID
-------------------------------------------------------------

ALL     1ST HIGHEST VALUE IS     0.34606 AT (  842440.00,  1631380.00,     0.00,     0.00) GC  CARD1
       2ND HIGHEST VALUE IS     0.33534 AT (  842440.00,  1631475.00,     0.00,     0.00) GC  CARD1
       3RD HIGHEST VALUE IS     0.32582 AT (  842155.00,  1631190.00,     0.00,     0.00) GC  CARD1
       4TH HIGHEST VALUE IS     0.32541 AT (  842155.00,  1631095.00,     0.00,     0.00) GC  CARD1
       5TH HIGHEST VALUE IS     0.28954 AT (  843295.00,  1631475.00,     0.00,     0.00) GC  CARD1
       6TH HIGHEST VALUE IS     0.27990 AT (  843295.00,  1631380.00,     0.00,     0.00) GC  CARD1
       7TH HIGHEST VALUE IS     0.27302 AT (  842155.00,  1631285.00,     0.00,     0.00) GC  CARD1
       8TH HIGHEST VALUE IS     0.27131 AT (  843295.00,  1631570.00,     0.00,     0.00) GC  CARD1
       9TH HIGHEST VALUE IS     0.26904 AT (  842155.00,  1631570.00,     0.00,     0.00) GC  CARD1
      10TH HIGHEST VALUE IS     0.26647 AT (  842155.00,  1631475.00,     0.00,     0.00) GC  CARD1


 *** RECEPTOR TYPES:  GC = GRIDCART
            GP = GRIDPOLR
            DC = DISCCART
            DP = DISCPOLR
            BD = BOUNDARY
 *** ISCST3 - VERSION 02035 ***    ***  SIMULACION EMISION DE PARTICULAS REFICAR 24 HRS Y ANUAL
***      04/22/09
                  *** Terreno plano - PROYECTO PUERTO REFICAR                  ***      19:17:50
**MODELOPTs:                                                      PAGE  23
CONC              RURAL FLAT

                       *** THE SUMMARY OF HIGHEST 24-HR RESULTS ***


                     ** CONC OF PM      IN MICROGRAMS/M**3                **

                          DATE                                NETWORK
GROUP ID              AVERAGE CONC    (YYMMDDHH)        RECEPTOR  (XR, YR, ZELEV, ZFLAG)    OF TYPE
GRID-ID
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ALL     HIGH  1ST HIGH VALUE IS      0.99334c ON 06081824: AT (  843010.00,  1632520.00,     0.00,     0.00)
GC   CARD1


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
                      BD = BOUNDARY
 *** ISCST3 - VERSION 02035 ***     ***  SIMULACION EMISION DE PARTICULAS REFICAR 24 HRAS Y ANUAL
***       04/22/09
                        *** Terreno plano - PROYECTO PUERTO REFICAR                    ***       19:17:50
**MODELOPTs:                                                                 PAGE  24
CONC                RURAL FLAT


*** Message Summary : ISCST3 Model Execution ***

 --------- Summary of Total Messages --------

A Total of         0 Fatal Error Message(s)
A Total of         1 Warning Message(s)
A Total of       281 Informational Message(s)

A Total of       281 Calm Hours Identified


  ******** FATAL ERROR MESSAGES ********
           *** NONE ***


  ********   WARNING MESSAGES   ********
RE W282    37 CHK_EL:RecElev < SrcBase; See non-DFAULT HE>ZI option in  MCB#9

  ************************************
  *** ISCST3 Finishes Successfully ***
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