

GENERADORES CATERPILLAR

CO STARTING
 TITLEONE MOTORES CATERPILLAR MODELO 3516B
 TITLETWO Numero de serie 7RN01007, con taza de 1825kwe, 2281 kva, 110 Hz, 1800 rpm y 41110 v-PS
 MODELOPT DFAULT RURAL CONC
 AVERTIME PERIOD 24 8 1
 POLLUTID SO2
 TERRHGT ELEV
 FLAGPOLE 90
 DCAYCOEF 0.00000
 RUNORNOT RUN
 CO FINISHED

SO STARTING
 EMISUNIT 0.100000E+07 (GRAMS/SEC) (MICROGRAMS/CUBIC-METER)
 LOCATION MOTOR1 POINT 0.0 0.0 0.0
 ** Point Source QS HS TS VS DS
 ** Parameters:
 SRCPARAM MOTOR1 0.0851 2.5 496.15 7.468 0.36
 BUILDHGT MOTOR1 36*2.5
 BUILDWID MOTOR1 18*12.192
 BUILDWID MOTOR1 18*1.7
 LOCATION MOTOR2 POINT 0.0 0.0 0.0
 ** Point Source QS HS TS VS DS
 ** Parameters:
 SRCPARAM MOTOR2 0.08102 2.5 475.15 9.296 0.36
 BUILDHGT MOTOR2 36*2.5
 BUILDWID MOTOR2 18*12.192
 BUILDWID MOTOR2 18*1.7
 LOCATION MOTOR3 POINT 0.0 0.0 0.0
 ** Point Source QS HS TS VS DS
 ** Parameters:
 SRCPARAM MOTOR3 0.0861 2.5 448.15 6.858 0.36
 BUILDHGT MOTOR3 36*2.5
 BUILDWID MOTOR3 18*12.192
 BUILDWID MOTOR3 18*1.7
 SRCGROUP ALL
 SO FINISHED

RE STARTING
 GRIDPOLR
 POL1 STA
 POL1 ORIG 0.0 0.0
 POL1 DIST 50. 100. 150. 200. 250. 300. 350. 400. 450. 500. 550. 600. 650. 700. 750. 800. 850. 900. 950. 1000.
 POL1 DDIR 45. 90. 135. 180. 225. 270. 315. 360.
 POL1 ELEV 45. 90. 90. 90. 90. 95. 95. 90. 90. 95. 90. 90. 90. 105. 65. 65. 65. 80. 100. 110. 100.
 POL1 ELEV 90. 90. 90. 90. 90. 90. 90. 90. 90. 95. 65. 80. 70. 70. 65. 65. 65. 105. 65. 65.
 POL1 ELEV 135. 90. 90. 90. 90. 90. 90. 90. 90. 90. 95. 105. 105. 65. 65. 65. 70. 90. 100. 100.
 POL1 ELEV 180. 90. 95. 95. 90. 95. 95. 95. 90. 90. 95. 95. 105. 105. 65. 70. 70. 80. 80. 70.
 POL1 ELEV 225. 90. 90. 90. 90. 90. 90. 90. 95. 105. 95. 105. 95. 90. 90. 90. 90. 95. 95. 90.
 POL1 ELEV 270. 90. 90. 90. 90. 95. 95. 90. 90. 90. 105. 105. 90. 90. 95. 95. 90. 95. 95. 90.
 POL1 ELEV 315. 90. 90. 90. 95. 95. 95. 95. 95. 95. 95. 95. 90. 90. 90. 90. 90. 90. 95. 95.
 POL1 ELEV 365. 90. 90. 90. 95. 95. 65. 70. 80. 90. 100. 110. 90. 80. 80. 65. 95. 90. 95. 105.
 POL1 FLAG 45. 90. 90. 90. 90. 95. 95. 90. 90. 90. 95. 90. 90. 105. 65. 65. 65. 80. 100. 110.
 POL1 FLAG 90. 90. 90. 90. 90. 90. 90. 90. 90. 95. 65. 80. 70. 70. 65. 65. 105. 65. 65. 65.
 POL1 FLAG 135. 90. 90. 90. 90. 90. 90. 90. 90. 90. 95. 105. 105. 65. 65. 65. 70. 90. 100.
 POL1 FLAG 180. 90. 95. 95. 90. 95. 95. 95. 90. 90. 95. 95. 105. 105. 65. 70. 70. 80. 80. 70.
 POL1 FLAG 225. 90. 90. 90. 90. 90. 90. 90. 95. 105. 95. 105. 95. 90. 90. 90. 90. 95. 95. 90.
 POL1 FLAG 270. 90. 90. 90. 90. 95. 95. 90. 90. 90. 90. 105. 105. 90. 90. 95. 95. 90. 95. 90.
 POL1 FLAG 315. 90. 90. 90. 95. 95. 95. 95. 95. 95. 95. 95. 95. 90. 90. 90. 90. 95. 95. 95.
 POL1 FLAG 360. 90. 90. 90. 95. 95. 65. 70. 80. 90. 100. 110. 90. 80. 80. 65. 95. 90. 95. 105.
 GRIDPOLR POL1 END

RE GRIDCART RECEPTORES STA
 XPNTS 2968. 5390. 7656. 10234.
 YPNTS -1328. 0. 468. 1250.
 ELEV 1 110. 110. 100. 110.
 ELEV 2 105. 105. 105. 105.
 ELEV 3 90. 90. 90. 90.

ELEV	4	70.	70.	70.	70.
FLAG	1	110.	110.	110.	110.
FLAG	2	105.	105.	105.	105.
FLAG	3	90.	90.	90.	90.
FLAG	4	70.	70.	70.	70.

RE GRIDCART RECEPTORES END

RE FINISHED

ME STARTING
 ME INPUTFIL C:\PETA\DATAMET\PM93-97.ASC
 ME ANEMHGHT 90.0 FEET
 ME SURFDATA 1 1993 COCO SOLO
 ME UAIRDATA 1 1993 COCO SOLO
 ME FINISHED

OU STARTING
 OU RECTABLE ALLAVE FIRST
 OU RECTABLE 24 SEVENTH
 OU FINISHED

 *** SETUP Finishes Successfully ***

B *** ISCST3 - VERSION 02035 *** *** MOTORES CATERPILLAR MODELO 3516B *** 03/02/08
 *** Numero de serie 7RN01007, con taza de 1825kwe, 2281 kva, 110 Hz, 18 *** 03:42:24
 **MODELOPTS: PAGE 1
 CONC RURAL ELEV FLGPOL DFAULT

*** 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 Regulatory DEFAULT Options:
 1. Final Plume Rise.
 2. Stack-tip Downwash.
 3. Buoyancy-induced Dispersion.
 4. Use Calms Processing Routine.
 5. Not Use Missing Data Processing Routine.
 6. Default Wind Profile Exponents.
 7. Default Vertical Potential Temperature Gradients.
 8. "Upper Bound" Values for Supersquat Buildings.
 9. No Exponential Decay for RURAL Mode

**Model Accepts Receptors on ELEV Terrain.

**Model Accepts FLAGPOLE Receptor Heights.

**Model Calculates 3 Short Term Average(s) of: 24-HR 8-HR 1-HR
 and Calculates PERIOD Averages

**This Run Includes: 3 Source(s); 1 Source Group(s); and 176 Receptor(s)

**The Model Assumes A Pollutant Type of: SO2

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

**Output Options Selected:

GENERADORES CATERPILLAR

Model Outputs Tables of PERIOD Averages by Receptor
Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE 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) = 27.43 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = (GRAMS/SEC) ; Emission Rate Unit Factor = 0.10000E+07
Output Units = (MICROGRAMS/CUBIC-METER)

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

**Input Runstream File: cat123-s.inp
**Output Print File: cat123-s.out

B *** ISCST3 - VERSION 02035 *** *** MOTORES CATERPILLAR MODELO 3516B *** 03/02/08
*** Numero de serie 7RN01007, con taza de 1825kwe, 2281 Kva, 110 Hz, 18 *** 03:42:24
**MODELOPTS: PAGE 2
CONC RURAL ELEV FLGPOL DFAULT

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (USER UNITS)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BUILDING EXISTS	EMISSION RATE SCALAR VARY BY
MOTOR1	0	0.85100E-01	0.0	0.0	0.0	2.50	496.15	7.47	0.36	YES	
MOTOR2	0	0.81020E-01	0.0	0.0	0.0	2.50	475.15	9.30	0.36	YES	
MOTOR3	0	0.86100E-01	0.0	0.0	0.0	2.50	448.15	6.86	0.36	YES	

B *** ISCST3 - VERSION 02035 *** *** MOTORES CATERPILLAR MODELO 3516B *** 03/02/08
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**MODELOPTS: PAGE 3
CONC RURAL ELEV FLGPOL DFAULT

*** SOURCE IDS DEFINING SOURCE GROUPS ***

GROUP ID SOURCE IDS

ALL MOTOR1 , MOTOR2 , MOTOR3 ,
B *** ISCST3 - VERSION 02035 *** *** MOTORES CATERPILLAR MODELO 3516B *** 03/02/08
*** Numero de serie 7RN01007, con taza de 1825kwe, 2281 Kva, 110 Hz, 18 *** 03:42:24
**MODELOPTS: PAGE 4
CONC RURAL ELEV FLGPOL DFAULT

*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: MOTOR1

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	2.5,	12.2,	0	2	2.5,	12.2,	0	3	2.5,	12.2,	0	4	2.5,	12.2,	0	5	2.5,	12.2,	0
7	2.5,	12.2,	0	8	2.5,	12.2,	0	9	2.5,	12.2,	0	10	2.5,	12.2,	0	11	2.5,	12.2,	0
13	2.5,	12.2,	0	14	2.5,	12.2,	0	15	2.5,	12.2,	0	16	2.5,	12.2,	0	17	2.5,	12.2,	0
19	2.5,	1.7,	0	20	2.5,	1.7,	0	21	2.5,	1.7,	0	22	2.5,	1.7,	0	23	2.5,	1.7,	0
25	2.5,	1.7,	0	26	2.5,	1.7,	0	27	2.5,	1.7,	0	28	2.5,	1.7,	0	29	2.5,	1.7,	0
31	2.5,	1.7,	0	32	2.5,	1.7,	0	33	2.5,	1.7,	0	34	2.5,	1.7,	0	35	2.5,	1.7,	0

SOURCE ID: MOTOR2

IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK	IFV	BH	BW	WAK
1	2.5,	12.2,	0	2	2.5,	12.2,	0	3	2.5,	12.2,	0	4	2.5,	12.2,	0	5	2.5,	12.2,	0
7	2.5,	12.2,	0	8	2.5,	12.2,	0	9	2.5,	12.2,	0	10	2.5,	12.2,	0	11	2.5,	12.2,	0
13	2.5,	12.2,	0	14	2.5,	12.2,	0	15	2.5,	12.2,	0	16	2.5,	12.2,	0	17	2.5,	12.2,	0

GENERADORES CATERPILLAR

DIRECTION (DEGREES)	DISTANCE (METERS)								
	500.00	550.00	600.00	650.00	700.00	750.00	800.00	850.00	900.00
45.00	90.00	90.00	90.00	105.00	65.00	65.00	65.00	80.00	100.00
90.00	65.00	80.00	70.00	70.00	65.00	65.00	65.00	105.00	65.00
135.00	95.00	105.00	105.00	65.00	65.00	65.00	70.00	90.00	100.00
180.00	95.00	95.00	95.00	105.00	105.00	65.00	70.00	70.00	80.00
225.00	95.00	105.00	95.00	90.00	90.00	90.00	90.00	90.00	95.00
270.00	90.00	105.00	105.00	90.00	90.00	95.00	95.00	90.00	95.00
315.00	95.00	95.00	95.00	90.00	90.00	90.00	90.00	90.00	90.00
360.00	100.00	110.00	90.00	80.00	80.00	65.00	95.00	90.00	95.00
B *** ISCST3 - VERSION 02035 ***	*** MOTORES CATERPILLAR MODELO 3516B ***								03/02/08
	*** Numero de serie 7RN01007, con taza de 1825kwe, 2281 kva, 110 Hz, 18 ***								03:42:24
**MODELOPTS:									PAGE 8
CONC	RURAL ELEV FLGPOL DFAULT								

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

* ELEVATION HEIGHTS IN METERS *

DIRECTION (DEGREES)	DISTANCE (METERS)								
	950.00	1000.00							
45.00	110.00	100.00							
90.00	65.00	65.00							
135.00	100.00	100.00							
180.00	80.00	70.00							
225.00	95.00	90.00							
270.00	95.00	90.00							
315.00	95.00	95.00							
360.00	95.00	105.00							
B *** ISCST3 - VERSION 02035 ***	*** MOTORES CATERPILLAR MODELO 3516B ***								03/02/08
	*** Numero de serie 7RN01007, con taza de 1825kwe, 2281 kva, 110 Hz, 18 ***								03:42:24
**MODELOPTS:									PAGE 9
CONC	RURAL ELEV FLGPOL DFAULT								

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

* RECEPTOR FLAGPOLE HEIGHTS IN METERS *

DIRECTION (DEGREES)	DISTANCE (METERS)								
	50.00	100.00	150.00	200.00	250.00	300.00	350.00	400.00	450.00
45.00	90.00	90.00	90.00	90.00	95.00	95.00	90.00	90.00	95.00
90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	95.00
135.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00
180.00	90.00	95.00	95.00	90.00	95.00	95.00	95.00	90.00	90.00
225.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	95.00	105.00
270.00	90.00	90.00	90.00	90.00	95.00	95.00	90.00	90.00	90.00
315.00	90.00	90.00	90.00	95.00	95.00	95.00	95.00	95.00	95.00
360.00	90.00	90.00	90.00	95.00	95.00	65.00	70.00	80.00	90.00
B *** ISCST3 - VERSION 02035 ***	*** MOTORES CATERPILLAR MODELO 3516B ***								03/02/08
	*** Numero de serie 7RN01007, con taza de 1825kwe, 2281 kva, 110 Hz, 18 ***								03:42:24
**MODELOPTS:									PAGE 10
CONC	RURAL ELEV FLGPOL DFAULT								

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

* RECEPTOR FLAGPOLE HEIGHTS IN METERS *

DIRECTION (DEGREES)	DISTANCE (METERS)								
	500.00	550.00	600.00	650.00	700.00	750.00	800.00	850.00	900.00

GENERADORES CATERPILLAR									
45.00	90.00	90.00	90.00	105.00	65.00	65.00	65.00	80.00	100.00
90.00	65.00	80.00	70.00	70.00	65.00	65.00	65.00	105.00	65.00
135.00	95.00	105.00	105.00	65.00	65.00	65.00	70.00	90.00	100.00
180.00	95.00	95.00	95.00	105.00	105.00	65.00	70.00	70.00	80.00
225.00	95.00	105.00	95.00	90.00	90.00	90.00	90.00	90.00	95.00
270.00	90.00	105.00	105.00	90.00	90.00	95.00	95.00	90.00	95.00
315.00	95.00	95.00	95.00	90.00	90.00	90.00	90.00	90.00	90.00
360.00	100.00	110.00	90.00	80.00	80.00	65.00	95.00	90.00	95.00

B *** IS CST3 - VERSION 02035 *** *** MOTORES CATERPILLAR MODELO 3516B *** 03/02/08
 *** Numero de serie 7RN01007, con taza de 1825kwe, 2281 Kva, 110 Hz, 18 *** 03:42:24

**MODELOPTS: RURAL ELEV FLGPOL DFAULT PAGE 11
 CONC

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

* RECEPTOR FLAGPOLE HEIGHTS IN METERS *

DIRECTION (DEGREES)	DISTANCE (METERS)	
	950.00	1000.00
45.00	110.00	100.00
90.00	65.00	65.00
135.00	100.00	100.00
180.00	80.00	70.00
225.00	95.00	90.00
270.00	95.00	90.00
315.00	95.00	95.00
360.00	95.00	105.00

B *** IS CST3 - VERSION 02035 *** *** MOTORES CATERPILLAR MODELO 3516B *** 03/02/08
 *** Numero de serie 7RN01007, con taza de 1825kwe, 2281 Kva, 110 Hz, 18 *** 03:42:24

**MODELOPTS: RURAL ELEV FLGPOL DFAULT PAGE 12
 CONC

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: RECEPTOR ; NETWORK TYPE: GRIDCART ***

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

2968.0, 5390.0, 7656.0, 10234.0,

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

-1328.0, 0.0, 468.0, 1250.0,
 B *** IS CST3 - VERSION 02035 *** *** MOTORES CATERPILLAR MODELO 3516B *** 03/02/08
 *** Numero de serie 7RN01007, con taza de 1825kwe, 2281 Kva, 110 Hz, 18 *** 03:42:24

**MODELOPTS: RURAL ELEV FLGPOL DFAULT PAGE 13
 CONC

*** NETWORK ID: RECEPTOR ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)			
	2968.00	5390.00	7656.00	10234.00
1250.00	70.00	70.00	70.00	70.00
468.00	90.00	90.00	90.00	90.00
0.00	105.00	105.00	105.00	105.00
-1328.00	110.00	110.00	100.00	110.00

B *** IS CST3 - VERSION 02035 *** *** MOTORES CATERPILLAR MODELO 3516B *** 03/02/08
 *** Numero de serie 7RN01007, con taza de 1825kwe, 2281 Kva, 110 Hz, 18 *** 03:42:24

**MODELOPTS: RURAL ELEV FLGPOL DFAULT PAGE 14
 CONC

MODELO DE CALIDAD DE AIRE

GENERADORES CATERPILLAR

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

FILE: C:\PETA\DATAMET\PM93-97.ASC

FORMAT: (4I2,2F9.4,F6.1,I2,2F7.1,F9.4,f10.1,f8.4,i4,f7.2)

SURFACE STATION NO.: 1

UPPER AIR STATION NO.: 1

NAME: COCO

NAME: COCO

YEAR: 1993

YEAR: 1993

YR	MN	DY	HR	FLOW VECTOR	SPEED (M/S)	TEMP (K)	STAB CLASS	MIXING RURAL	HEIGHT (M) URBAN	USTAR (M/S)	M-O LENGTH (M)	Z-0 (M)	IPCODE	PRATE (mm/HR)
93	01	01	01	151.0	2.06	297.0	6	127.0	80.0	0.0000	0.0	0.0000	0	0.00
93	01	01	02	128.0	2.57	297.0	6	127.0	80.0	0.0000	0.0	0.0000	0	0.00
93	01	01	03	194.0	1.54	297.0	7	127.0	80.0	0.0000	0.0	0.0000	0	0.00
93	01	01	04	143.0	2.57	298.2	6	127.0	80.0	0.0000	0.0	0.0000	0	0.00
93	01	01	05	143.0	2.57	298.2	6	127.0	80.0	0.0000	0.0	0.0000	0	0.00
93	01	01	06	162.0	2.06	297.0	6	127.0	80.0	0.0000	0.0	0.0000	0	0.00
93	01	01	07	155.0	2.57	297.0	5	6.6	82.4	0.0000	0.0	0.0000	0	0.00
93	01	01	08	153.0	3.09	297.0	4	23.8	88.8	0.0000	0.0	0.0000	0	0.00
93	01	01	09	137.0	3.09	299.3	3	41.0	95.2	0.0000	0.0	0.0000	0	0.00
93	01	01	10	151.0	3.09	300.9	2	58.2	101.5	0.0000	0.0	0.0000	0	0.00
93	01	01	11	164.0	3.60	302.0	2	75.4	107.9	0.0000	0.0	0.0000	0	0.00
93	01	01	12	156.0	5.66	303.2	3	92.6	114.3	0.0000	0.0	0.0000	0	0.00
93	01	01	13	153.0	4.63	303.2	3	109.8	120.6	0.0000	0.0	0.0000	0	0.00
93	01	01	14	139.0	4.63	303.2	3	127.0	127.0	0.0000	0.0	0.0000	0	0.00
93	01	01	15	152.0	6.17	303.2	4	127.0	127.0	0.0000	0.0	0.0000	0	0.00
93	01	01	16	164.0	5.14	300.9	4	127.0	127.0	0.0000	0.0	0.0000	0	0.00
93	01	01	17	161.0	4.12	300.9	4	127.0	127.0	0.0000	0.0	0.0000	0	0.00
93	01	01	18	147.0	5.14	300.4	4	127.0	127.0	0.0000	0.0	0.0000	0	0.00
93	01	01	19	154.0	4.12	300.4	5	132.7	132.0	0.0000	0.0	0.0000	0	0.00
93	01	01	20	147.0	4.12	299.3	5	139.1	137.6	0.0000	0.0	0.0000	0	0.00
93	01	01	21	140.0	2.57	299.3	6	145.5	143.2	0.0000	0.0	0.0000	0	0.00
93	01	01	22	152.0	5.14	299.3	5	151.9	148.8	0.0000	0.0	0.0000	0	0.00
93	01	01	23	160.0	4.63	299.3	5	158.3	154.4	0.0000	0.0	0.0000	0	0.00
93	01	01	24	150.0	3.60	299.3	5	164.6	160.0	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.

B *** ISCST3 - VERSION 02035 *** *** MOTORES CATERPILLAR MODELO 3516B

*** Numero de serie 7RN01007, con taza de 1825kwe, 2281 Kva, 110 Hz, 18 ***

03/02/08

03:42:24

PAGE 17

**MODELOPTS:

CONC

RURAL ELEV FLGPOL DFAULT

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
INCLUDING SOURCE(S): MOTOR1 , MOTOR2 , MOTOR3 ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

** CONC OF SO2 IN (MICROGRAMS/CUBIC-METER) **

DIRECTION (DEGREES)	50.00	100.00	150.00	200.00	250.00	300.00	350.00	400.00	450.00
45.00	0.00000	0.00000	0.00007	0.00099	0.00237	0.00519	0.01026	0.01294	0.01281
90.00	0.00000	0.00000	0.00005	0.00062	0.00216	0.00453	0.00703	0.00915	0.00918
135.00	0.00000	0.00000	0.00007	0.00101	0.00369	0.00796	0.01268	0.01691	0.02094
180.00	0.00000	0.00000	0.00002	0.00058	0.00150	0.00370	0.00659	0.01272	0.01701
225.00	0.00000	0.00000	0.00004	0.00059	0.00204	0.00412	0.00620	0.00644	0.00558
270.00	0.00000	0.00000	0.00008	0.00096	0.00221	0.00468	0.00892	0.01099	0.01265
315.00	0.00000	0.00000	0.00010	0.00080	0.00311	0.00675	0.01055	0.01356	0.01614
360.00	0.00000	0.00000	0.00011	0.00100	0.00436	0.07291	0.06916	0.05085	0.03989

B *** ISCST3 - VERSION 02035 *** *** MOTORES CATERPILLAR MODELO 3516B

*** Numero de serie 7RN01007, con taza de 1825kwe, 2281 Kva, 110 Hz, 18 ***

03/02/08

03:42:24

PAGE 18

**MODELOPTS:

CONC

RURAL ELEV FLGPOL DFAULT

MODELO DE CALIDAD DE AIRE

GENERADORES CATERPILLAR

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): MOTOR1 , MOTOR2 , MOTOR3 ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

** CONC OF SO2 IN (MICROGRAMS/CUBIC-METER) **

DIRECTION (DEGREES)	DISTANCE (METERS)								
	500.00	550.00	600.00	650.00	700.00	750.00	800.00	850.00	900.00
45.00	0.01668	0.01748	0.01785	0.01243	0.03255	0.03127	0.03004	0.02043	0.01359
90.00	0.02896	0.01800	0.02405	0.02343	0.02575	0.02470	0.02367	0.01000	0.02175
135.00	0.02006	0.01614	0.01766	0.06058	0.05973	0.05876	0.04928	0.02885	0.02296
180.00	0.01672	0.01979	0.02248	0.01738	0.01911	0.08240	0.06806	0.06887	0.04888
225.00	0.00875	0.00707	0.00976	0.01135	0.01138	0.01132	0.01120	0.01104	0.00979
270.00	0.01364	0.00948	0.00983	0.01413	0.01392	0.01228	0.01204	0.01295	0.01146
315.00	0.01781	0.01872	0.01911	0.02152	0.02120	0.02075	0.02022	0.01965	0.01907
360.00	0.03223	0.02658	0.05148	0.06810	0.06717	0.09483	0.04653	0.05063	0.04499

B *** ISCST3 - VERSION 02035 *** *** MOTORES CATERPILLAR MODELO 3516B *** 03/02/08
*** Numero de serie 7RN01007, con taza de 1825kwe, 2281 kva, 110 Hz, 18 *** 03:42:24
**MODELOPTS: RURAL ELEV FLGPOL DFAULT PAGE 19
CONC

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): MOTOR1 , MOTOR2 , MOTOR3 ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

** CONC OF SO2 IN (MICROGRAMS/CUBIC-METER) **

DIRECTION (DEGREES)	DISTANCE (METERS)	
	950.00	1000.00
45.00	0.01117	0.01298
90.00	0.02089	0.02008
135.00	0.02280	0.02256
180.00	0.04938	0.07018
225.00	0.00964	0.01047
270.00	0.01115	0.01187
315.00	0.01692	0.01644
360.00	0.04399	0.03614

B *** ISCST3 - VERSION 02035 *** *** MOTORES CATERPILLAR MODELO 3516B *** 03/02/08
*** Numero de serie 7RN01007, con taza de 1825kwe, 2281 kva, 110 Hz, 18 *** 03:42:24
**MODELOPTS: RURAL ELEV FLGPOL DFAULT PAGE 20
CONC

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): MOTOR1 , MOTOR2 , MOTOR3 ,

*** NETWORK ID: RECEPTOR ; NETWORK TYPE: GRIDCART ***

** CONC OF SO2 IN (MICROGRAMS/CUBIC-METER) **

Y-COORD (METERS)	X-COORD (METERS)			
	2968.00	5390.00	7656.00	10234.00
1250.00	0.00711	0.00473	0.00351	0.00301
468.00	0.00449	0.00294	0.00220	0.00178
0.00	0.00365	0.00209	0.00160	0.00129
-1328.00	0.00540	0.00223	0.00168	0.00122

B *** ISCST3 - VERSION 02035 *** *** MOTORES CATERPILLAR MODELO 3516B *** 03/02/08
*** Numero de serie 7RN01007, con taza de 1825kwe, 2281 kva, 110 Hz, 18 *** 03:42:24
**MODELOPTS: RURAL ELEV FLGPOL DFAULT PAGE 21
CONC

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): MOTOR1 , MOTOR2 , MOTOR3 ,

MODELO DE CALIDAD DE AIRE

GENERADORES CATERPILLAR

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

** CONC OF SO2 IN (MICROGRAMS/CUBIC-METER) **

DIRECTION (DEGREES)	50.00	100.00	150.00	200.00	250.00
45.0	0.00000c(93042824)	0.00001c(93042824)	0.00640c(93042824)	0.07679 (96103024)	0.17900 (96103024)
90.0	0.00000 (94080724)	0.00001c(93011024)	0.00876 (96020124)	0.09797 (96020124)	0.27688 (96020124)
135.0	0.00000 (93082724)	0.00001 (93082724)	0.01000 (96071524)	0.11846 (96071524)	0.34169 (96071524)
180.0	0.00000c(95051624)	0.00000c(95051624)	0.00300c(95051624)	0.08021c(95060824)	0.18454c(95060824)
225.0	0.00000 (95070524)	0.00001 (95070524)	0.00632 (95070524)	0.08535 (96061724)	0.26649 (96061724)
270.0	0.00000c(93070524)	0.00001c(94053124)	0.00919c(94053124)	0.10219c(94053124)	0.21254c(94053124)
315.0	0.00000 (94080724)	0.00001 (94080724)	0.00815 (96071024)	0.06884 (96071024)	0.25929 (96071024)
360.0	0.00000 (94080724)	0.00001 (94080724)	0.00904 (94080724)	0.06250 (94080724)	0.21355 (94080724)

B *** ISCST3 - VERSION 02035 *** *** MOTORES CATERPILLAR MODELO 3516B *** 03/02/08

*** Numero de serie 7RN01007, con taza de 1825kwe, 2281 Kva, 110 Hz, 18 ***

**MODELOPTS: 03:42:24

CONC RURAL ELEV FLGPOL DFAULT PAGE 22

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): MOTOR1 , MOTOR2 , MOTOR3 ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

** CONC OF SO2 IN (MICROGRAMS/CUBIC-METER) **

DIRECTION (DEGREES)	300.00	350.00	400.00	450.00	500.00
45.0	0.36713 (96103024)	0.64533 (96103024)	0.75041 (96103024)	0.71362 (96103024)	0.94294 (93121624)
90.0	0.46416 (96020124)	0.58179 (96020124)	0.60869 (96020124)	0.54588 (96020124)	0.80826 (96021724)
135.0	0.57814 (96071524)	0.72789 (96071524)	0.76302 (96071524)	0.73733 (96071524)	0.63213 (96071524)
180.0	0.37034c(95060824)	0.52916c(95060824)	0.74101c(96050724)	0.80847c(96050724)	0.73626c(96050724)
225.0	0.47769 (96071424)	0.65554 (96071424)	0.65026 (96071424)	0.55725 (96071424)	0.73817 (96071424)
270.0	0.39107c(94053124)	0.58614c(94053124)	0.60135c(94053124)	0.56546c(94053124)	0.49790c(94053124)
315.0	0.52775 (96071024)	0.76756 (96071024)	0.91087 (96071024)	0.99763 (96071024)	1.01685 (96071024)
360.0	1.47921c(95061924)	1.30918c(95061924)	0.99746c(95061924)	0.79382c(95061924)	0.64294c(95061924)

B *** ISCST3 - VERSION 02035 *** *** MOTORES CATERPILLAR MODELO 3516B *** 03/02/08

*** Numero de serie 7RN01007, con taza de 1825kwe, 2281 Kva, 110 Hz, 18 ***

**MODELOPTS: 03:42:24

CONC RURAL ELEV FLGPOL DFAULT PAGE 23

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): MOTOR1 , MOTOR2 , MOTOR3 ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

** CONC OF SO2 IN (MICROGRAMS/CUBIC-METER) **

DIRECTION (DEGREES)	550.00	600.00	650.00	700.00	750.00
45.0	1.00863 (93121624)	1.03022 (93121624)	0.75280 (93121624)	1.39688 (93121624)	1.27507 (93121624)
90.0	0.53546 (96021724)	0.66498 (96021724)	0.63612 (97010124)	0.67152 (97010124)	0.63158 (97010124)
135.0	0.50710 (96071524)	0.47382 (93082724)	0.99017 (93112924)	0.94523 (93112924)	0.89924 (93112924)
180.0	0.72779c(96050724)	0.70001c(96050724)	0.57137c(96050724)	0.54872c(96050724)	1.24140c(95060824)
225.0	0.59260 (96071424)	0.71387 (96071424)	0.76461 (96071424)	0.73411 (96071424)	0.70373 (96071424)
270.0	0.38268c(94053124)	0.33096 (95070524)	0.40937 (95073124)	0.41725 (95073124)	0.37278 (95073124)
315.0	0.99064 (96071024)	0.94282 (96071024)	0.95794 (96071024)	0.89100 (96071024)	0.82731 (96071024)
360.0	0.57265 (94080724)	0.66178c(95061924)	0.69204c(95061924)	0.62730c(95061924)	0.80692 (95111924)

B *** ISCST3 - VERSION 02035 *** *** MOTORES CATERPILLAR MODELO 3516B *** 03/02/08

*** Numero de serie 7RN01007, con taza de 1825kwe, 2281 Kva, 110 Hz, 18 ***

**MODELOPTS: 03:42:24

CONC RURAL ELEV FLGPOL DFAULT PAGE 24

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

MODELO DE CALIDAD DE AIRE

GENERADORES CATERPILLAR

INCLUDING SOURCE(S): MOTOR1 , MOTOR2 , MOTOR3 ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

 ** CONC OF SO2 IN (MICROGRAMS/CUBIC-METER) **

DIRECTION (DEGREES)	800.00	850.00	DISTANCE (METERS)		950.00	1000.00
			900.00			
45.0	1.20084 (96103024)	0.93459 (93121624)	0.71928 (93121624)	0.61774 (93121624)	0.64200 (93121624)	
90.0	0.59198 (97010124)	0.30206 (96021724)	0.51756 (97010124)	0.48360 (97010124)	0.45199 (97010124)	
135.0	0.77805 (93112924)	0.50716 (93112924)	0.41795 (93112924)	0.40622 (93112924)	0.39322 (93112924)	
180.0	1.05219c(95060824)	1.00508c(95060824)	0.78220c(95060824)	0.75292c(95060824)	0.87928c(95060824)	
225.0	0.67402 (96071424)	0.64528 (96071424)	0.56881 (96071424)	0.54619 (96071424)	0.56619 (96071424)	
270.0	0.37270 (95073124)	0.40577 (95073124)	0.36183 (95073124)	0.35294 (95073124)	0.36947 (95073124)	
315.0	0.76794 (96071024)	0.71325 (96071024)	0.66319 (96071024)	0.58718 (96071024)	0.54905 (96071024)	
360.0	0.50124 (94080724)	0.48204 (94080724)	0.44680 (94080724)	0.42235 (94080724)	0.38918 (94080724)	

B *** ISCST3 - VERSION 02035 *** *** MOTORES CATERPILLAR MODELO 3516B *** 03/02/08

*** Numero de serie 7RN01007, con taza de 1825kwe, 2281 kva, 110 Hz, 18 *** 03:42:24

**MODELOPTS: PAGE 25

CONC RURAL ELEV FLGPOL DFAULT

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

 INCLUDING SOURCE(S): MOTOR1 , MOTOR2 , MOTOR3 ,

 *** NETWORK ID: RECEPTOR ; NETWORK TYPE: GRIDCART ***

 ** CONC OF SO2 IN (MICROGRAMS/CUBIC-METER) **

Y-COORD (METERS)	2968.00	5390.00	X-COORD (METERS)		10234.00
			7656.00		
1250.0	0.16431 (96112324)	0.14193 (97061024)	0.07856 (96112324)	0.05598 (95111524)	
468.0	0.10784 (97061024)	0.05728 (97110924)	0.04219 (97061024)	0.03683c(95060124)	
0.0	0.09026 (94070324)	0.05235 (97110924)	0.03848 (97110924)	0.02950 (97110924)	
-1328.0	0.10176 (95061124)	0.06861 (95061124)	0.05302 (95061124)	0.03449 (93102924)	

B *** ISCST3 - VERSION 02035 *** *** MOTORES CATERPILLAR MODELO 3516B *** 03/02/08

*** Numero de serie 7RN01007, con taza de 1825kwe, 2281 kva, 110 Hz, 18 *** 03:42:24

**MODELOPTS: PAGE 26

CONC RURAL ELEV FLGPOL DFAULT

 *** THE 7TH HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

 INCLUDING SOURCE(S): MOTOR1 , MOTOR2 , MOTOR3 ,

 *** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

 ** CONC OF SO2 IN (MICROGRAMS/CUBIC-METER) **

DIRECTION (DEGREES)	50.00	100.00	DISTANCE (METERS)		200.00	250.00
			150.00			
45.0	0.00000 (96041224)	0.00001 (96041224)	0.00582 (96041224)	0.06060 (96013024)	0.12367 (96080524)	
90.0	0.00000 (94121424)	0.00001 (94121424)	0.00588 (94121424)	0.06081 (95051824)	0.16523 (95051824)	
135.0	0.00000 (94092024)	0.00000c(93070124)	0.00340c(94070424)	0.04971c(94070424)	0.15094c(94070424)	
180.0	0.00000c(95060824)	0.00000 (96080924)	0.00113 (96080924)	0.03658 (97031924)	0.08142 (97031924)	
225.0	0.00000 (96050624)	0.00000 (95101824)	0.00283c(94060824)	0.03806c(94060824)	0.11596 (96032824)	
270.0	0.00000 (94082324)	0.00001 (95062424)	0.00619 (94081524)	0.06311 (95070524)	0.12861c(94122924)	
315.0	0.00000 (93081224)	0.00001 (93081224)	0.00593 (93100924)	0.03845 (96040524)	0.12371 (94082424)	
360.0	0.00000c(94061124)	0.00001 (96073124)	0.00613c(94061124)	0.03922 (95101924)	0.12820c(94061124)	

B *** ISCST3 - VERSION 02035 *** *** MOTORES CATERPILLAR MODELO 3516B *** 03/02/08

*** Numero de serie 7RN01007, con taza de 1825kwe, 2281 kva, 110 Hz, 18 *** 03:42:24

**MODELOPTS: PAGE 27

CONC RURAL ELEV FLGPOL DFAULT

 *** THE 7TH HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

 INCLUDING SOURCE(S): MOTOR1 , MOTOR2 , MOTOR3 ,

 *** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

MODELO DE CALIDAD DE AIRE

GENERADORES CATERPILLAR

** CONC OF SO2 IN (MICROGRAMS/CUBIC-METER) **

DIRECTION (DEGREES)	300.00	350.00	400.00	450.00	500.00
45.0	0.22353 (96080524)	0.34692c(93042824)	0.35508c(93042824)	0.31428c(93042824)	0.33635 (93061824)
90.0	0.27035 (95051824)	0.33224 (95051824)	0.34021 (95051824)	0.30118 (95051824)	0.60175 (94121424)
135.0	0.26149 (94100324)	0.33202 (96060824)	0.34021 (94082624)	0.36330 (94100324)	0.31655 (94100324)
180.0	0.15705 (97031924)	0.21499 (97031924)	0.26622 (97031924)	0.31965 (94062624)	0.26991 (94062624)
225.0	0.22073 (95062024)	0.33224 (93072524)	0.31139 (93072524)	0.26480 (93072524)	0.28820 (96032824)
270.0	0.23295c(94122924)	0.34698c(94070424)	0.35510c(94070424)	0.34360 (93042924)	0.37185 (96042124)
315.0	0.22374 (94080724)	0.29285 (94080724)	0.31150 (94080724)	0.36632 (94072924)	0.32859 (94072924)
360.0	0.78340 (96062424)	0.69769 (95052924)	0.52610 (95052924)	0.41401 (95052924)	0.33766 (97060424)

B *** ISCST3 - VERSION 02035 *** MOTORES CATERPILLAR MODELO 3516B *** 03/02/08
 *** Numero de serie 7RN01007, con taza de 1825kwe, 2281 Kva, 110 Hz, 18 *** 03:42:24
 **MODELOPTS: PAGE 28
 CONC RURAL ELEV FLGPOL DFAULT

*** THE 7TH HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): MOTOR1 , MOTOR2 , MOTOR3 ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

** CONC OF SO2 IN (MICROGRAMS/CUBIC-METER) **

DIRECTION (DEGREES)	550.00	600.00	650.00	700.00	750.00
45.0	0.33665 (94072524)	0.35856 (94072524)	0.23581 (94070324)	0.58399 (95122524)	0.57607 (95122524)
90.0	0.41000 (94121424)	0.46162c(94122924)	0.43083 (96020124)	0.44484 (96082324)	0.42597 (97102924)
135.0	0.25413 (94100324)	0.23220 (93091124)	0.57037 (96071524)	0.58031 (96120924)	0.60924 (93082724)
180.0	0.24073 (94082324)	0.22533 (93121224)	0.18471 (93121224)	0.17175 (94082324)	0.46695 (97032924)
225.0	0.23322 (96032824)	0.25027 (96032824)	0.28763 (97092324)	0.30295 (97092324)	0.31214 (93090224)
270.0	0.25826 (96042124)	0.25741 (95050124)	0.30331c(94101724)	0.30835c(94101724)	0.27523c(94101724)
315.0	0.31343 (96062324)	0.32942 (96062324)	0.35133 (96062624)	0.32454 (93100924)	0.31874 (97112624)
360.0	0.27989 (97060424)	0.39289c(93010524)	0.52061 (95111924)	0.49360 (97060424)	0.64086 (95050724)

B *** ISCST3 - VERSION 02035 *** MOTORES CATERPILLAR MODELO 3516B *** 03/02/08
 *** Numero de serie 7RN01007, con taza de 1825kwe, 2281 Kva, 110 Hz, 18 *** 03:42:24
 **MODELOPTS: PAGE 29
 CONC RURAL ELEV FLGPOL DFAULT

*** THE 7TH HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): MOTOR1 , MOTOR2 , MOTOR3 ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

** CONC OF SO2 IN (MICROGRAMS/CUBIC-METER) **

DIRECTION (DEGREES)	800.00	850.00	900.00	950.00	1000.00
45.0	0.55784 (94072524)	0.37394 (95122524)	0.28771 (94053024)	0.24322 (94070324)	0.25680 (94053024)
90.0	0.39928 (93061224)	0.20073c(94122924)	0.34352c(93111324)	0.31448c(93111324)	0.28847c(93111324)
135.0	0.49841 (96120924)	0.29825c(97080324)	0.23571c(97080324)	0.23624c(97080324)	0.23091 (95121724)
180.0	0.39622 (97032924)	0.38787 (97032924)	0.30750c(95061224)	0.29576c(95061224)	0.37733 (96122324)
225.0	0.29544 (93090224)	0.30804 (97072824)	0.27238 (97072824)	0.28193 (97072824)	0.29102 (96061724)
270.0	0.26503 (95070524)	0.29856c(94101724)	0.26617c(94101724)	0.25944c(94101724)	0.27129c(94101724)
315.0	0.32459 (96062324)	0.32109 (96092424)	0.30369 (96020824)	0.27237 (96020824)	0.25576 (96020824)
360.0	0.35155 (97060424)	0.35715 (97060424)	0.31668 (97060424)	0.30323 (93060124)	0.25385 (97060424)

B *** ISCST3 - VERSION 02035 *** MOTORES CATERPILLAR MODELO 3516B *** 03/02/08
 *** Numero de serie 7RN01007, con taza de 1825kwe, 2281 Kva, 110 Hz, 18 *** 03:42:24
 **MODELOPTS: PAGE 30
 CONC RURAL ELEV FLGPOL DFAULT

*** THE 7TH HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): MOTOR1 , MOTOR2 , MOTOR3 ,

*** NETWORK ID: RECEPTOR : NETWORK TYPE: GRIDCART ***

1250.0	0.10075	(96092524)	0.06806	(97091224)	0.05345	(95112324)	0.04423	(96112324)
468.0	0.07300	(94070324)	0.04607c	(95060124)	0.03460	(97021224)	0.02609	(94101924)
0.0	0.05611	(93102924)	0.03160c	(96110324)	0.02538c	(95060124)	0.02075	(97061024)
-1328.0	0.06909	(97081524)	0.03267	(96110524)	0.02649	(96090224)	0.02108	(97080224)

03/02/08
03:42:24
PAGE 31

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*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):      MOTOR1 , MOTOR2 , MOTOR3 ,

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45.0	0.00000	(93042816)	0.00003	(93042816)	0.02005c	(93010316)	0.23037	(96103016)	0.53698	(96103016)
90.0	0.00000	(94080716)	0.00004c	(93011016)	0.02628	(96020116)	0.29391	(96020116)	0.83063	(96020116)
135.0	0.00000	(93082716)	0.00004	(93082716)	0.03000	(96071516)	0.35539	(96071516)	1.02508	(96071516)
180.0	0.00000	(95051616)	0.00001	(95051616)	0.00825	(95051616)	0.23059	(95060816)	0.53034	(95060816)
225.0	0.00000	(95070516)	0.00004	(95070516)	0.01895	(95070516)	0.25606	(96061716)	0.79941	(96061716)
270.0	0.00000	(93070516)	0.00004	(94053116)	0.02642	(94053116)	0.29378	(94053116)	0.61128	(94082316)
315.0	0.00000	(94080716)	0.00004	(94080716)	0.02440	(96071016)	0.20540	(96071016)	0.76358	(96071016)
360.0	0.00000	(94080716)	0.00004	(94080716)	0.02711	(94080716)	0.18749	(94080716)	0.64064	(94080716)

03/02/08
03:42:24
PAGE 32

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*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):      MOTOR1  , MOTOR2  , MOTOR3  ,

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45.0	1.10099	(96103016)	1.93060	(96103016)	2.23618	(96103016)	2.12231	(96103016)	2.82883	(93121616)
90.0	1.39248	(96020116)	1.74537	(96020116)	1.82608	(96020116)	1.63763	(96020116)	2.33757	(97010116)
135.0	1.73443	(96071516)	2.18368	(96071516)	2.28906	(96071516)	2.21200	(96071516)	1.89640	(96071516)
180.0	1.06213	(95060816)	1.50855	(95060816)	2.13042	(96050716)	2.32435	(96050716)	2.11675	(96050716)
225.0	1.42911	(96061716)	1.94213	(96071416)	1.91625	(96071416)	1.64579	(96071416)	2.09418	(96071416)
270.0	1.12432	(94053116)	1.68516	(94053116)	1.72889	(94082316)	1.62570	(94053116)	1.43146	(94082316)
315.0	1.52792	(96071016)	2.18176	(96071016)	2.53884	(96071016)	2.72371	(96071016)	2.72434	(96071016)
360.0	4.20003	(95061916)	3.70559	(95061916)	2.83088	(95061916)	2.25739	(95061916)	1.88468	(94080716)

03/02/08
03:42:24
PAGE 33

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*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):      MOTOR1  , MOTOR2  , MOTOR3  ,

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MODELO DE CALIDAD DE AIRE

DIRECCION (DEGREES)	DISTANCE (METERS)									
	550.00		600.00		650.00		700.00		750.00	
45.0	3.02590	(93121616)	3.09065	(93121616)	2.25841	(93121616)	4.19064	(93121616)	3.82520	(93121616)
90.0	1.56642	(96020116)	1.97074	(97010116)	1.90835	(97010116)	2.01457	(97010116)	1.89473	(97010116)
135.0	1.52130	(96071516)	1.42142	(93082716)	2.58818	(93112916)	2.42136	(93112916)	2.25553	(93112916)
180.0	2.09240	(96050716)	2.01254	(96050716)	1.64268	(96050716)	1.57758	(96050716)	2.37536	(96050716)
225.0	1.69264	(96071416)	1.90970	(96071416)	1.92616	(96071416)	1.84461	(95062016)	1.76530	(95062016)
270.0	1.10020	(94053116)	0.93028	(94053116)	1.21939	(95112516)	1.18270	(96042116)	1.05449	(96042116)
315.0	2.60944	(96071016)	2.44782	(96071016)	2.44961	(96071016)	2.26071	(96071016)	2.08697	(96071016)
360.0	1.71796	(94080716)	1.94814	(94080716)	1.96049	(94080716)	1.83098	(94080716)	2.00044	(97113016)
B *** ISCS T3 - VERSION 02035 *** MOTORES CATERPILLAR MODELO 3516B *** 03/02/08										
*** Numero de serie 7RN01007, con taza de 1825kwe, 2281 Kva, 110 Hz, 18 *** 03:42:24										
**MODELOPTS: PAGE 34										
CONC	RURAL ELEV	FLGPOL	DFAULT							

DIRECTION (DEGREES)	800.00	850.00	900.00	950.00	1000.00
45.0	3.48953 (93121616)	2.80378 (93121616)	2.15785 (93121616)	1.85321 (93121616)	1.92600 (93121616)
90.0	1.77593 (97010116)	0.86973 (94070316)	1.55267 (97010116)	1.45079 (97010116)	1.35598 (97010116)
135.0	1.95799 (93112916)	1.38803 (93112916)	1.15485 (93112916)	1.11395 (93112916)	1.07023 (93112916)
180.0	2.06224 (96050716)	1.90841 (96050716)	1.61710 (96050716)	1.51535 (96050716)	1.55252 (96050716)
225.0	1.68046 (95062016)	1.59427 (95062016)	1.42929 (95062016)	1.35667 (95062016)	1.35338 (95112616)
270.0	1.00926 (96042116)	1.06910 (95073116)	0.95377 (95073116)	0.92346 (95073116)	0.95343 (95073116)
315.0	1.92912 (96071016)	1.78647 (96071016)	1.65782 (96071016)	1.46415 (96071016)	1.36771 (96071016)
360.0	1.50371 (94080716)	1.44612 (94080716)	1.34041 (94080716)	1.26705 (94080716)	1.16754 (94080716)
B *** ISCS T3 - VERSION 02035 *** MOTORES CATERPILLAR MODELO 3516B *** 03/02/08					
*** Numero de serie 7RN01007, con taza de 1825kwe, 2281 Kva, 110 Hz, 18 *** 03:42:24					
**MODELOPTS: PAGE 35					
CONC	RURAL ELEV	FLGPOL	DFAULT		

Y-COORD (METERS)	2968.00	5390.00	X-COORD (METERS) 7656.00	10234.00	
1250.0	0.42883 (97061016)	0.27066 (97061708)	0.19380 (97082408)	0.15923 (97082408)	
468.0	0.24357 (97110908)	0.17185 (97110908)	0.12570 (97110908)	0.10732c(95060108)	
0.0	0.27077 (94070316)	0.15705 (97110908)	0.11545 (97110908)	0.08849 (97110908)	
-1328.0	0.21227 (95061116)	0.17558 (93102916)	0.10951 (93102916)	0.10348 (93102916)	
B *** ISCST3 - VERSION 02035 *** MOTORES CATERPILLAR MODELO 3516B ***					03/02/08
*** Numero de serie 7RN01007, con taza de 1825kwe, 2281 Kva, 110 Hz, 18 ***					03:42:24
**MODELOPTS: CONC RURAL ELEV FLGPOL DFAULT					PAGE 36

DIRECTION (DEGREES)	50.00	100.00	150.00	200.00	250.00
MODELO DE CALIDAD DE AIRE					

GENERADORES CATERPILLAR

45.0	0.00000	(93042814)	0.00028	(93042814)	0.14721	(93042814)	1.47773	(93042814)	2.97021	(93042814)
90.0	0.00000	(94080714)	0.00030	(94080714)	0.15004	(94080714)	1.48818	(94080714)	3.99676	(94110113)
135.0	0.00000	(93082712)	0.00029	(93082712)	0.14862	(93082712)	1.48370	(93082712)	3.98979	(93082712)
180.0	0.00000	(95051612)	0.00005	(95051612)	0.06595	(95051612)	1.48818	(95051612)	2.97976	(95051612)
225.0	0.00000	(95070512)	0.00031	(95070512)	0.15160	(95070512)	1.49392	(95070512)	4.00296	(95070512)
270.0	0.00000	(93070511)	0.00029	(93070511)	0.14862	(93070511)	1.48294	(93070511)	2.97498	(94081514)
315.0	0.00000	(94080715)	0.00029	(94080715)	0.14862	(94080715)	0.93174	(94080715)	3.04773	(93100913)
360.0	0.00000	(94080711)	0.00030	(94080711)	0.15004	(94080711)	0.93541	(94080711)	2.97866	(94080711)

B *** ISCST3 - VERSION 02035 *** ***/ MOTORES CATERPILLAR MODELO 3516B ***

*** Numero de serie 7RN01007, con taza de 1825kwe, 2281 kva, 110 Hz, 18 ***

03/02/08

03:42:24

PAGE 37

**MODELOPTS:

CONC

RURAL ELEV FLGPOL DFAULT

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): MOTOR1 , MOTOR2 , MOTOR3 ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

** CONC OF SO2 IN (MICROGRAMS/CUBIC-METER) **

DIRECTION (DEGREES)	DISTANCE (METERS)									
	300.00		350.00		400.00		450.00		500.00	
45.0	5.36632	(93042814)	7.97905	(93042814)	8.16684	(93042814)	7.22851	(93042814)	6.75352	(93060415)
90.0	6.50783	(94080714)	7.98205	(94080714)	8.16780	(94080714)	7.22883	(94080714)	9.15533	(94070315)
135.0	6.50430	(93082712)	7.98055	(93082712)	8.16730	(93082712)	7.67170	(93082712)	6.47817	(96060814)
180.0	5.37307	(95051612)	7.03140	(95051612)	8.18351	(95051612)	7.78639	(95051612)	6.88175	(95051612)
225.0	6.51169	(95070512)	7.98369	(95070512)	7.47721	(95070512)	6.35646	(95070512)	6.47799	(93072515)
270.0	5.36968	(93070511)	7.98055	(93070511)	8.16732	(95070516)	7.67170	(95070516)	6.75331	(97080415)
315.0	5.92701	(93100913)	8.62178	(93100913)	10.14617	(93100913)	10.86116	(93100913)	10.56043	(93100913)
360.0	14.51083	(94080711)	12.39034	(94080711)	9.69118	(94080711)	8.14158	(94080711)	7.37300	(94080711)

B *** ISCST3 - VERSION 02035 *** ***/ MOTORES CATERPILLAR MODELO 3516B ***

*** Numero de serie 7RN01007, con taza de 1825kwe, 2281 kva, 110 Hz, 18 ***

03/02/08

03:42:24

PAGE 38

**MODELOPTS:

CONC

RURAL ELEV FLGPOL DFAULT

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): MOTOR1 , MOTOR2 , MOTOR3 ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

** CONC OF SO2 IN (MICROGRAMS/CUBIC-METER) **

DIRECTION (DEGREES)	DISTANCE (METERS)									
	550.00		600.00		650.00		700.00		750.00	
45.0	6.05022	(93100912)	5.54929	(93100912)	3.66397	(93010314)	6.70605	(94042116)	6.12148	(94042116)
90.0	6.52529	(94070315)	7.65490	(94070315)	7.31981	(94070315)	7.27322	(94070315)	6.85095	(94070315)
135.0	5.19088	(96060814)	4.84637	(93070111)	7.32864	(93011216)	6.70589	(93011216)	6.12131	(93011216)
180.0	6.38211	(95051612)	5.90411	(95051612)	5.45670	(95051612)	5.08073	(95051612)	7.92842	(93100910)
225.0	5.19068	(93072515)	4.57678	(93072515)	4.89786	(93090716)	4.75224	(93090716)	4.54715	(93090716)
270.0	5.19149	(95062411)	4.40037	(95062411)	4.89764	(93081017)	4.75213	(93081017)	4.23572	(93081017)
315.0	9.86802	(93100913)	9.08397	(93100913)	8.38796	(93100913)	7.78890	(93100913)	7.26964	(93100913)
360.0	7.04159	(94080711)	6.72735	(94080711)	6.23389	(94080711)	5.78883	(94080711)	6.12148	(97091412)

B *** ISCST3 - VERSION 02035 *** ***/ MOTORES CATERPILLAR MODELO 3516B ***

*** Numero de serie 7RN01007, con taza de 1825kwe, 2281 kva, 110 Hz, 18 ***

03/02/08

03:42:24

PAGE 39

**MODELOPTS:

CONC

RURAL ELEV FLGPOL DFAULT

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): MOTOR1 , MOTOR2 , MOTOR3 ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

** CONC OF SO2 IN (MICROGRAMS/CUBIC-METER) **

DIRECTION | DISTANCE (METERS)
MODELO DE CALIDAD DE AIRE

(DEGREES)	800.00	850.00	GENERADORES CATERPILLAR		950.00	1000.00
			900.00			
45.0	5.61839 (93091910)	4.48650 (94042116)	3.78286 (94070316)	3.64855 (94070316)	3.54772 (94070316)	
90.0	6.46707 (94070315)	5.53057 (94070315)	5.80037 (94070315)	5.51031 (94070315)	5.24503 (94070315)	
135.0	5.33793 (96122713)	4.06060 (96122713)	3.45256 (94092015)	3.26677 (93011216)	3.08173 (93011216)	
180.0	5.99167 (94080709)	6.03648 (94080709)	5.59722 (94080709)	5.64547 (94080709)	5.91547 (94080709)	
225.0	4.31034 (93090716)	4.06059 (93041211)	3.63157 (93041211)	3.41709 (93041211)	3.33326 (96112711)	
270.0	4.05210 (93081017)	4.06061 (96042115)	3.63160 (96042115)	3.41716 (96042115)	3.33337 (96042115)	
315.0	6.81529 (93100913)	6.41439 (93100913)	6.05804 (93100913)	5.73919 (93100913)	5.45223 (93100913)	
360.0	5.06524 (94080711)	4.76729 (94080711)	4.50244 (94080711)	4.26547 (94080711)	4.05219 (94080711)	

B *** ISCST3 - VERSION 02035 *** *** MOTORES CATERPILLAR MODELO 3516B *** 03/02/08
 *** Numero de serie 7RN01007, con taza de 1825kwe, 2281 kva, 110 Hz, 18 *** 03:42:24
 **MODELOPTS: PAGE 40
 CONC RURAL ELEV FLGPOL DFAULT

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): MOTOR1 , MOTOR2 , MOTOR3 ,

*** NETWORK ID: RECEPTOR ; NETWORK TYPE: GRIDCART ***

** CONC OF SO2 IN (MICROGRAMS/CUBIC-METER) **

Y-COORD (METERS)	2968.00	5390.00	X-COORD (METERS)		10234.00	
			7656.00			
1250.0	1.62855 (95051409)	1.05815 (97110908)	0.75474 (97110908)	0.56787 (97110908)		
468.0	1.94854 (97110908)	1.08216 (97110908)	0.76331 (97110908)	0.57150 (97110908)		
0.0	1.97260 (97110908)	1.08624 (97110908)	0.76474 (97110908)	0.57209 (97110908)		
-1328.0	1.61908 (94070317)	0.74431 (97042007)	0.59238 (97042007)	0.51014 (94070315)		

B *** ISCST3 - VERSION 02035 *** *** MOTORES CATERPILLAR MODELO 3516B *** 03/02/08
 *** Numero de serie 7RN01007, con taza de 1825kwe, 2281 kva, 110 Hz, 18 *** 03:42:24
 **MODELOPTS: PAGE 41
 CONC RURAL ELEV FLGPOL DFAULT

*** THE SUMMARY OF MAXIMUM PERIOD (43824 HRS) RESULTS ***

** CONC OF SO2 IN (MICROGRAMS/CUBIC-METER) **

GROUP ID	AVERAGE CONC	RECEPTOR	(XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.09483 AT (	0.00, 750.00, 65.00, 65.00)	GP	POL1
	2ND HIGHEST VALUE IS	0.08240 AT (	0.00, -750.00, 65.00, 65.00)	GP	POL1
	3RD HIGHEST VALUE IS	0.07291 AT (	0.00, 300.00, 65.00, 65.00)	GP	POL1
	4TH HIGHEST VALUE IS	0.07018 AT (	0.00, -1000.00, 70.00, 70.00)	GP	POL1
	5TH HIGHEST VALUE IS	0.06916 AT (	0.00, 350.00, 70.00, 70.00)	GP	POL1
	6TH HIGHEST VALUE IS	0.06887 AT (	0.00, -850.00, 70.00, 70.00)	GP	POL1
	7TH HIGHEST VALUE IS	0.06810 AT (	0.00, 650.00, 80.00, 80.00)	GP	POL1
	8TH HIGHEST VALUE IS	0.06806 AT (	0.00, -800.00, 70.00, 70.00)	GP	POL1
	9TH HIGHEST VALUE IS	0.06717 AT (	0.00, 700.00, 80.00, 80.00)	GP	POL1
	10TH HIGHEST VALUE IS	0.06058 AT (	459.62, -459.62, 65.00, 65.00)	GP	POL1

*** RECEPTOR TYPES: GC = GRIDCART
 GP = GRIDPOLR
 DC = DISCCART
 DP = DISCPOLR
 BD = BOUNDARY

B *** ISCST3 - VERSION 02035 *** *** MOTORES CATERPILLAR MODELO 3516B *** 03/02/08
 *** Numero de serie 7RN01007, con taza de 1825kwe, 2281 kva, 110 Hz, 18 *** 03:42:24
 **MODELOPTS: PAGE 42
 CONC RURAL ELEV FLGPOL DFAULT

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

** CONC OF SO2 IN (MICROGRAMS/CUBIC-METER) **

MODELO DE CALIDAD DE AIRE

GENERADORES CATERPILLAR

GROUP ID		AVERAGE CONC		DATE (YYMMDDHH)		RECEPTOR		(XR, YR, ZELEV, ZFLAG)		OF TYPE		NETWORK GRID-ID				
ALL	HIGH	1ST	HIGH	VALUE	IS	1.47921c	ON	95061924:	AT	(	0.00,	300.00,	65.00,	65.00)	GP	POL1
	HIGH	7TH	HIGH	VALUE	IS	0.78340	ON	96062424:	AT	(	0.00,	300.00,	65.00,	65.00)	GP	POL1

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY

B *** ISCST3 - VERSION 02035 *** *** MOTORES CATERPILLAR MODELO 3516B *** 03/02/08
*** Numero de serie 7RN01007, con taza de 1825kwe, 2281 Kva, 110 Hz, 18 *** 03:42:24
**MODELOPTS: PAGE 43
CONC RURAL ELEV FLGPOL DFAULT

*** THE SUMMARY OF HIGHEST 8-HR RESULTS ***

** CONC OF SO2 IN (MICROGRAMS/CUBIC-METER) **

GROUP ID		AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR	(XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	4.20003	ON 95061916: AT (	0.00,	300.00,	65.00,	65.00) GP POL1

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY

B *** ISCST3 - VERSION 02035 *** *** MOTORES CATERPILLAR MODELO 3516B *** 03/02/08
*** Numero de serie 7RN01007, con taza de 1825kwe, 2281 Kva, 110 Hz, 18 *** 03:42:24
**MODELOPTS: PAGE 44
CONC RURAL ELEV FLGPOL DFAULT

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF SO2 IN (MICROGRAMS/CUBIC-METER) **

GROUP ID		AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR	(XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	14.51083	ON 94080711: AT (	0.00,	300.00,	65.00,	65.00) GP POL1

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY

B *** ISCST3 - VERSION 02035 *** *** MOTORES CATERPILLAR MODELO 3516B *** 03/02/08
*** Numero de serie 7RN01007, con taza de 1825kwe, 2281 Kva, 110 Hz, 18 *** 03:42:24
**MODELOPTS: PAGE 45
CONC RURAL ELEV FLGPOL DFAULT

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

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

A Total of 0 Fatal Error Message(s)
A Total of 0 Warning Message(s)
A Total of 334 Informational Message(s)

A Total of 274 Calm Hours Identified
A Total of 60 Cases Identified with HE > ZI

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

***** WARNING MESSAGES *****
*** NONE ***

*** ISCST3 Finishes Successfully ***
