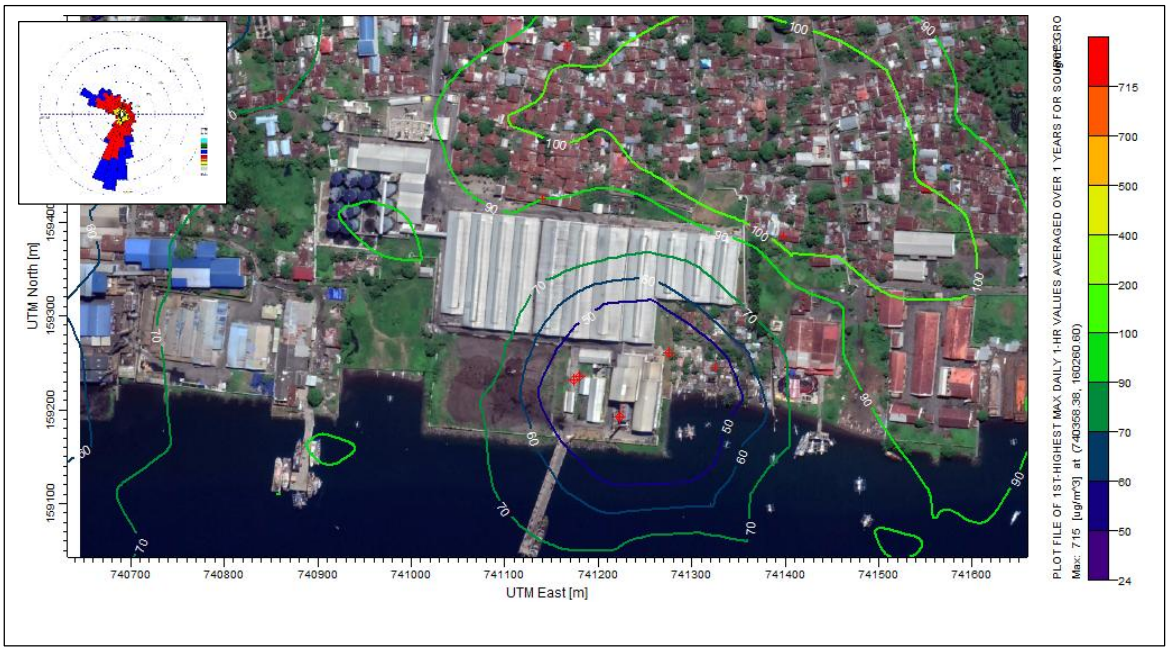
MODEL SEBARAN EMISI
PT AGRO MAKMUR RAYA

Laporan Akhir



Disiapkan Oleh:

Yeremiah R. Tjamin, Universitas Nasional, Jakarta

Zetly E. Tamod, Universitas Sam Ratulangi

Desember, 2020

Jakarta

Daftar Isi

Daftar Tabel

Daftar Gambar

1. PENDAHULUAN

1.1. Latar Belakang

PT Agro Makmur Raya adalah perusahaan pennaman modal asing ang memproduksi minyak makan. Dalam proses produksinya PT Agro Makmur Raya mengoperasikan 2 (dua) boiler kapasitas 10 ton dan 50 ton. Bahan bakar yang dipakai adalah batubara dan batok kelapa. Selain itu juga dioperasikan 2 unit genset kapasitas 1.000 kVA dan 2.000 kVA. Pengoperasian fasilitas-fasilitas produksi ini merupakan sumber emisi TSP, SO_2, dan NO_2.

1.2. Tujuan

Tujuan laporan ini adalah melakukan pemodelan sebaran emisi operasi normal PT Agro Makmur Raya. Pemodelan ini perlu dilakukan untuk melihat kontribusi emisi TSP, SO_2, dan NO_2 terhadap reseptor sensitif yang ada di sekitar PT Agro Makmur Raya. Laporan ini disusun sesuai dengan panduan *the British Columbia Air Quality Dispersion Modeling Guidance* (BC Ministry of Environment, 2015).

1.3. Lingkup Pekerjaan

Studi pemodelan sebaran emisi untuk PT Agro Makmur Raya ini dilakukan dengan model sebaran udara AERMOD View. Sebaran konsentrasi yang diperoleh disajikan dalam bentuk kontur konsentrasi. Untuk titik reseptor diskrit dilakukan penilaian dampak terhadap reseptor sensitif yang ada di sekitar lokasi, yaitu di permukiman sekitar. Secara ringkas, laporan ini memberikan informasi tentang:

- Identifikasi reseptor sensitif di sekitar yang kemungkinan akan terdampak oleh emisi kegiatan operasi PT Agro Makmur Raya;
- Uraian metodologi pemodelan termasuk parameter masukan meteorologi, topografi, dan udara emisi;
- Kajian kontribusi peningkatan konsentrasi komponen kualitas udara akibat pengoperasian PT Agro Makmur Raya berdasarkan kriteria kualitas udara ambien.

2. METODOLOGI

2.1. Model Dispersi

Kajian ini menggunakan prosesor meteorologi AERMET dan model dispersi AERMOD (BC Ministry Of Environment, 2015). Ringkasan data dan parameter yang digunakan disajikan pada Tabel 1.

AERMET adalah model meteorologi yang menghitung parameter angin dan suhu per jam pada grid tiga dimensi. Parameter dua dimensi terkait seperti *mixing height*, karakteristik permukaan, dan sifat dispersi juga ditampilkan AERMET. Produk AERMET adalah berkas meteorologi yang dipergunakan oleh AERMOD untuk memprediksi gerakan polutan udara.

AERMOD adalah model tiga dimensi kepulan Gauss kondisi non tunak yang dikembangkan oleh *US Environmental Protection Agency* (USEPA) untuk dipergunakan dalam kondisi model Gauss dasar tidak efektif. Kondisi ini termasuk kondisi stagnan, yang dicirikan dengan kondisi tanpa angin atau kecepatan angin sangat rendah dengan arah yang berubah-ubah. Sistem pemodelan AERMOD memiliki kemampuan pemodelan dengan perubahan angin dan turbulensi secara spasial. Hal ini penting untuk pemodelan di lokasi dengan topografi yang kompleks, transpor jarak jauh, dan kondisi mendekati tanpa angin atau tenang. Dengan demikian AERMOD dipakai untuk pemodelan dalam kajian ini.

2.2. Penentuan Masukan Model

2.2.1. Sumber Emisi

Dalam kajian ini terdapat 4 sumber titik yaitu 2 boiler dan 2 genset. Parameter cerobong yang digunakan sebagai masukan pemodelan disajikan pada Tabel 2. Laju emisi ditentukan berdasarkan hasil pengukuran kualitas emisi (Lampiran 1).

Tabel 1. Parameter Masukan Model

Parameter	Masukan
AERMET	
Grid meteorologi	12 km x 12 km
Koordinat acuan pusat grid	741193, 159629(Zona: 51 N)
Tinggi sel grid vertikal	0, 20, 40, 80, 160, 300, 600, 1000, 1500, 2200 and 3000 m
Lama simulasi	1 tahun (2018)
Stasiun meteorologi Permukaan	Luaran model prediksi numerik AERMET
Stasiun meteorologi udara atas	Menggunakan data prognostik grid 3-dimensi sebagai pendugaan awal medan angin AERMET
Data Topografi	Ketinggian tempat diambil dari SRTM3, resolusi 90 meter
Data tata guna lahan	Data tata guna lahan berdasarkan data generik Departemen Kehutanan Republik Indonesia
AERMOD	
Domain Pemodelan	Grid Komputasi: 2,0 km x 2,0 km
Resolusi grid pemodelan untuk pemetaan	Resolusi Grid: 50 m
Jumlah reseptor diskrit	Total 7 (tujuh) reseptor diskrit ditambahkan di sekitar PT Agro Makmur Raya
Algoritma Dispersi	Koefisien berbasis turbulensi
Jumlah jam pemodelan	8,760 jam
Periode pemodelan meteorologi	1 Januari 2018-31 Desember 2018

Tabel 2. Parameter Sumber Emisi

Sumber Emisi	X	Y	Tinggi (m)	Diameter (m)	Kecepatan (m/s)	SO2 (g/s)	NO2 (g/s)	TSP (g/s)
Boiler 10 ton	741276	159260	24.00	1.11	12.00	4.1616	0.5865	0.4742
Boiler 50 ton	741223	159192	33.44	2.00	15.18	18.0924	3.3869	3.1485
Genset 1000 kVA	741180	159235	5.77	0.35	11.19	0.0282	0.3786	0.0479
Genset 2000 kVA	741174	159232	5.50	0.43	11.54	0.1231	0.8109	0.0886

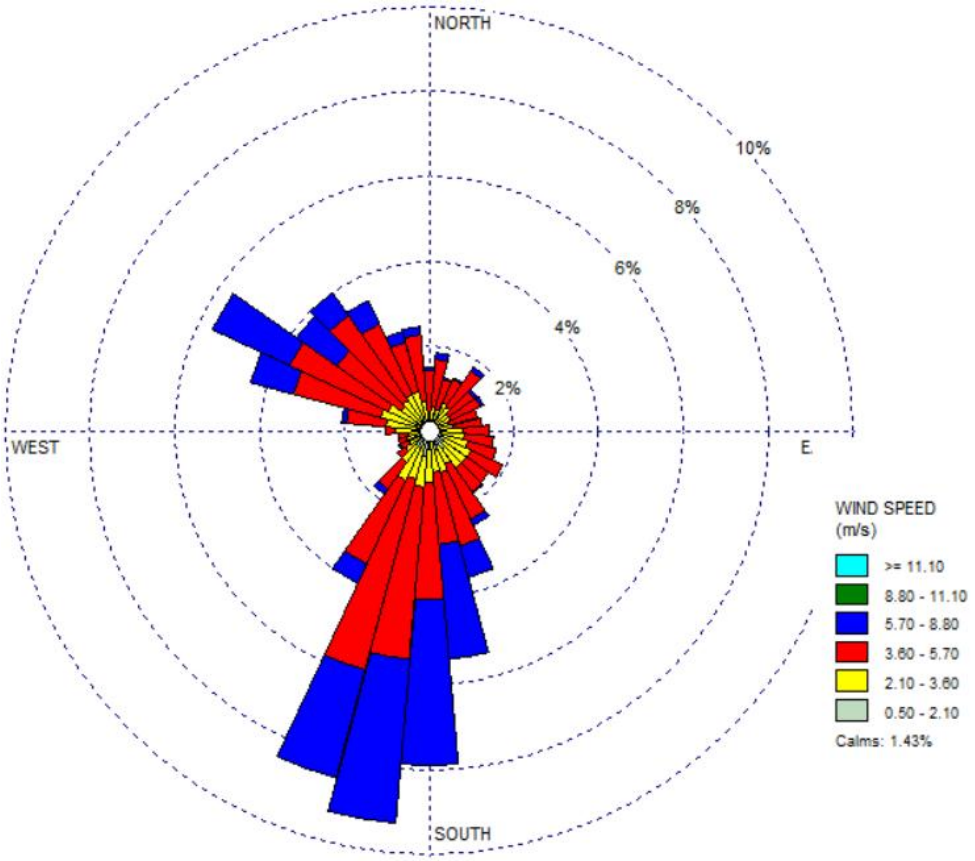
2.2.2. Kondisi Meteorologi

Kondisi meteorologi menentukan arah gerakan dan sebaran emisi yang terbawa angin. Parameter kunci meteorologi mencakup suhu udara, arah dan kecepatan angin, dan *mixing height*. Untuk keperluan pemodelan, diperlukan data per jam dalam periode pemodelan untuk setiap parameter kunci. Untuk itu dipakai data prognostik model MM5 (*Mesoscale Model*) NCAR (*National Center for Atmospheric Research*) yang diperoleh dari Lakes Environmental, untuk periode 1 Januari 2018 sampai 31 Desember 2018 (1 tahun). Data ini kemudian diolah dengan AERMET, yang merupakan pengolah data meteorologi untuk AERMOD.

Berdasarkan data Lakes, arah angin dominan di lokasi kajian adalah Selatan, Barat Laut, dan Barat Daya. Angin Selatan mendominasi dengan frekuensi sebesar 23%, angin Barat Laut 19%, dan angin Barat Daya sebesar 14%. Persentase kondisi tenang adalah 1,43%. Kecepatan angin rata-rata 4,01 m/s. Wind rose untuk daerah kajian disajikan pada Gambar 1.

2.2.3. Daerah Pemodelan Dan Jaringan Reseptor Representatif

Untuk kajian ini, sebaran emisi dimodelkan dalam daerah 2,0 km x 2.0 km dengan Boiler PT Agro Makmur Raya sebagai pusatnya. Lingkup daerah ini sudah mencakup semua permukiman terdekat yang ada di daerah kajian.



Gambar 1. Wind Rose Berdasarkan Data Lakes (Periode 1 Januari 2018-31 Desember 2018)

Untuk keperluan masukan Aermod, titik-titik reseptor dimodelkan dalam bentuk jaringan reseptor representatif (grid). Distribusi konsentrasi polutan dihitung berdasarkan jaringan reseptor ini. Dalam model ini, jaringan reseptor dimodelkan sebagai jaringan kartesian dengan Boiler PT Agro Makmur Raya sebagai titik pusat, dan titik reseptor ditempatkan dalam grid 50 m x 50 m. Dengan demikian ada 1.600 titik reseptor representatif.

2.2.4. Reseptor Sensitif

Dampak emisi terhadap reseptor sensitif mendapat perhatian utama. Reseptor-reseptor ini adalah permukiman yang ada di sekitar tapak kegiatan. Selain 1.600 titik reseptor dalam grid, ditambahkan juga 7 (tujuh) titik reseptor diskrit ke dalam pemodelan (Gambar 2). Reseptor diskrit ini mewakili permukiman dalam radius 300 m.

2.2.5. Topografi

Topografi mempengaruhi sebaran konsentrasi polutan pada titik-titik tertentu. Untuk itu data topografi dibutuhkan untuk masukan model AERMOD. Untuk kajian ini data topografi diambil dari SRTM3.

2.3. Baku Mutu Ambien

Konsentrasi SO_2, NO_2, dan TSP udara ambien hasil prediksi AERMOD View dibandingkan dengan baku mutu kualitas udara ambien. Kriteria kajian ini dimaksudkan untuk meminimalkan dampak negatif polutan udara terhadap reseptor sensitif.

Baku mutu udara ambien mengacu Peraturan Pemerintah No 41 tahun 1999 tentang Pengendalian Pencemaran Udara (Pemerintah Republik Indonesia, 1999). Berdasarkan peraturan ini, nilai rataan 1 jam untuk SO_2 adalah 900 µg/m^3, NO_2 400 ug/m^3; dan rataan 24 jam untuk TSP 230 ug/m^3.

Gambar 2. Lokasi Reseptor Diskrit

3. HASIL PEMODELAN

Hasil pemodelan sebaran TSP, SO_2, dan NO_2 disajikan berturut-turut pada Gambar 3, Gambar 4, dan Gambar 5. Konsentrasi maksimum, baik untuk reseptor dalam grid maupun reseptor diskrit disajikan pada Tabel 3.

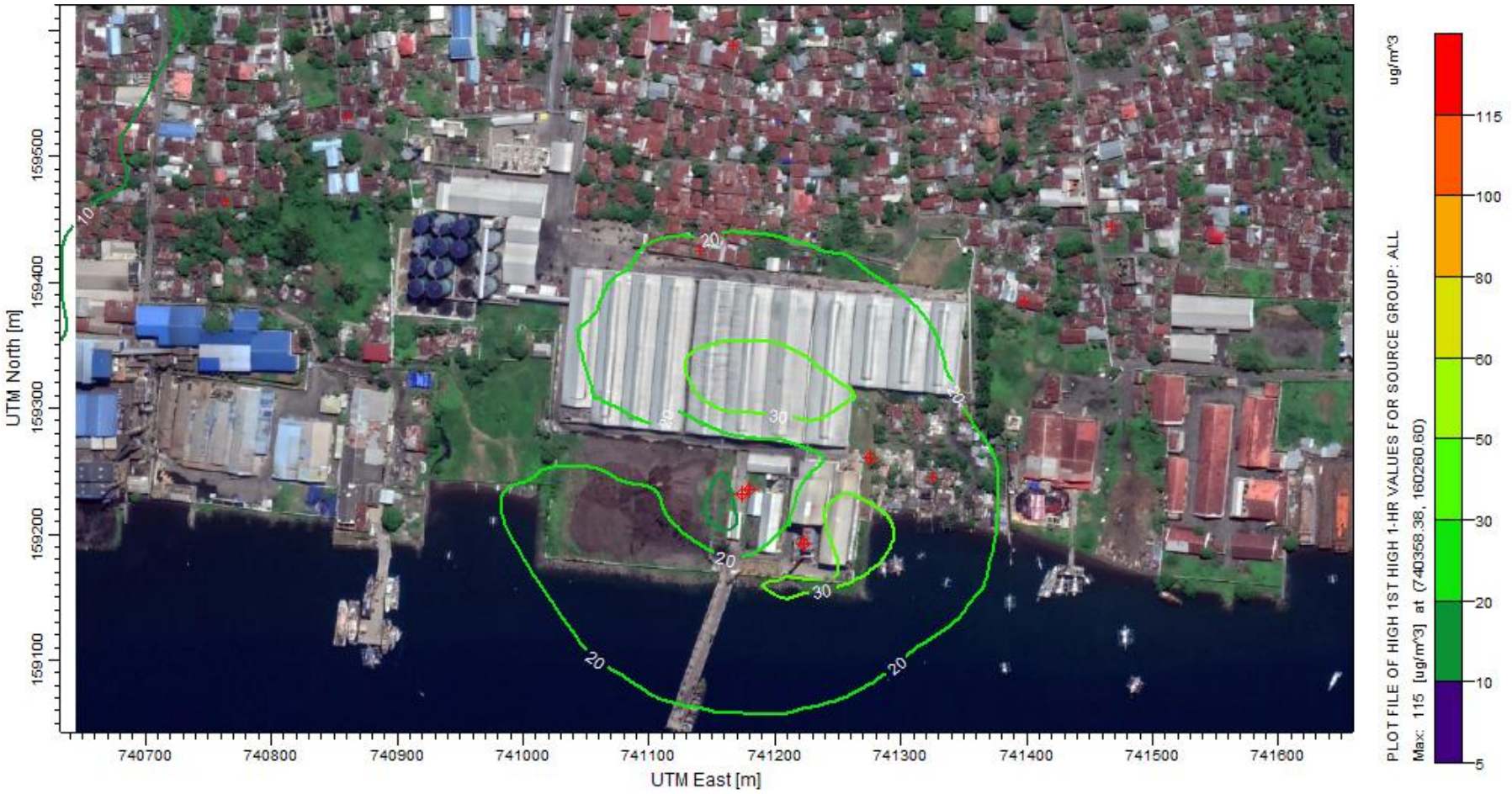
Tabel 3. Konsentrasi maksimum pada reseptor dalam grid dan reseptor diskrit

No.	Lokasi Reseptor	X	Y	TSP (ug/m^3)	SO_2 (ug/m^3)	NO_2 (ug/m^3)
1	Dalam grid	740358	160260	114,65	714,58	455,06
2	R-1 Permukiman	741140	159424	11,60	89,88	178,75
3	R-2 Permukiman	741397	159385	3,56	104,78	129,94
4	R-3 Permukiman	741325	159244	4,59	42,19	214,50
5	R-4 Permukiman	741167	159587	8,88	96,27	113,71
6	R-5 Permukiman	741467	159444	3,95	108,00	104,85
7	R-6 Permukiman	740859	159531	4,28	69,27	101,09
8	R-7 Permukiman	740764	159464	4,12	66,21	90,85

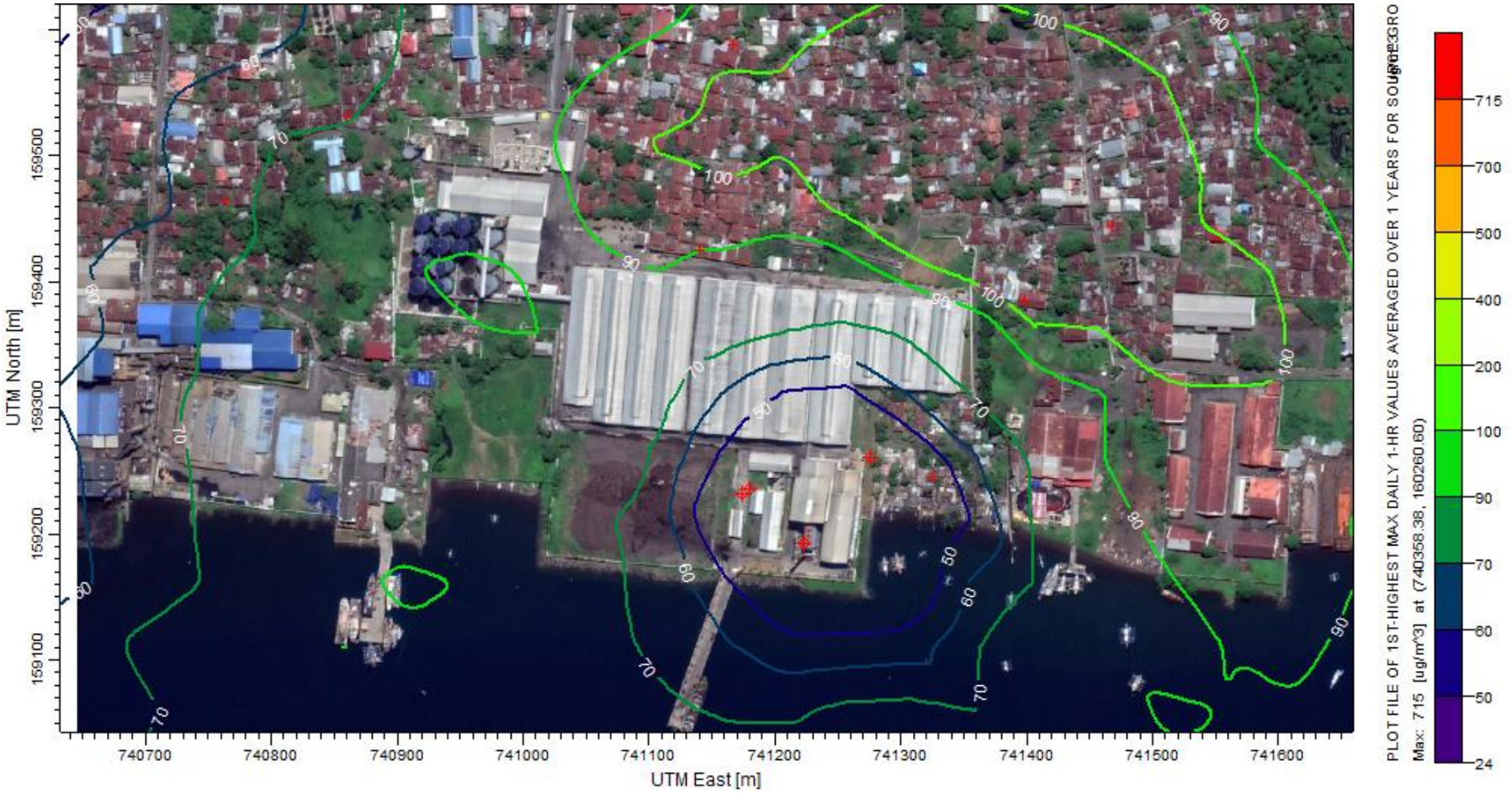
Konsentrasi maksimum TSP, SO_2, dan NO_2 berturut-turut adalah 114,65 ug/m^3; 715 ug/m^3; dan 455 ug/m^3. Titik konsentrasi maksimum dijumpai pada titik X: 740358; Y: 160260; pada jarak ± 1,4 km di Barat Laut.

Pada Tabel 1 terlihat semua titik reseptor diskrit mempunyai konsentrasi maksimum yang sangat rendah dibanding konsentrasi maksimum dalam reseptor dalam grid. Konsentrasi maksimum reseptor diskrit untuk TSP adalah 8,88 ug/m^3, SO_2 0,25 ug/m^3, dan NO_2 0,84 ug/m^3.

Pada Gambar 3 sampai dengan Gambar 5, terlihat di sekitar titik sumber, sampai jarak sekitar 800 m, konsentrasi relatif sangat rendah; pada jarak yang lebih jauh akumulasi konsentrasi dijumpai di arah Barat Laut. Hal ini dipengaruhi oleh topografi setempat dengan perbukitan di Utara dan Barat Laut (Gambar 6).

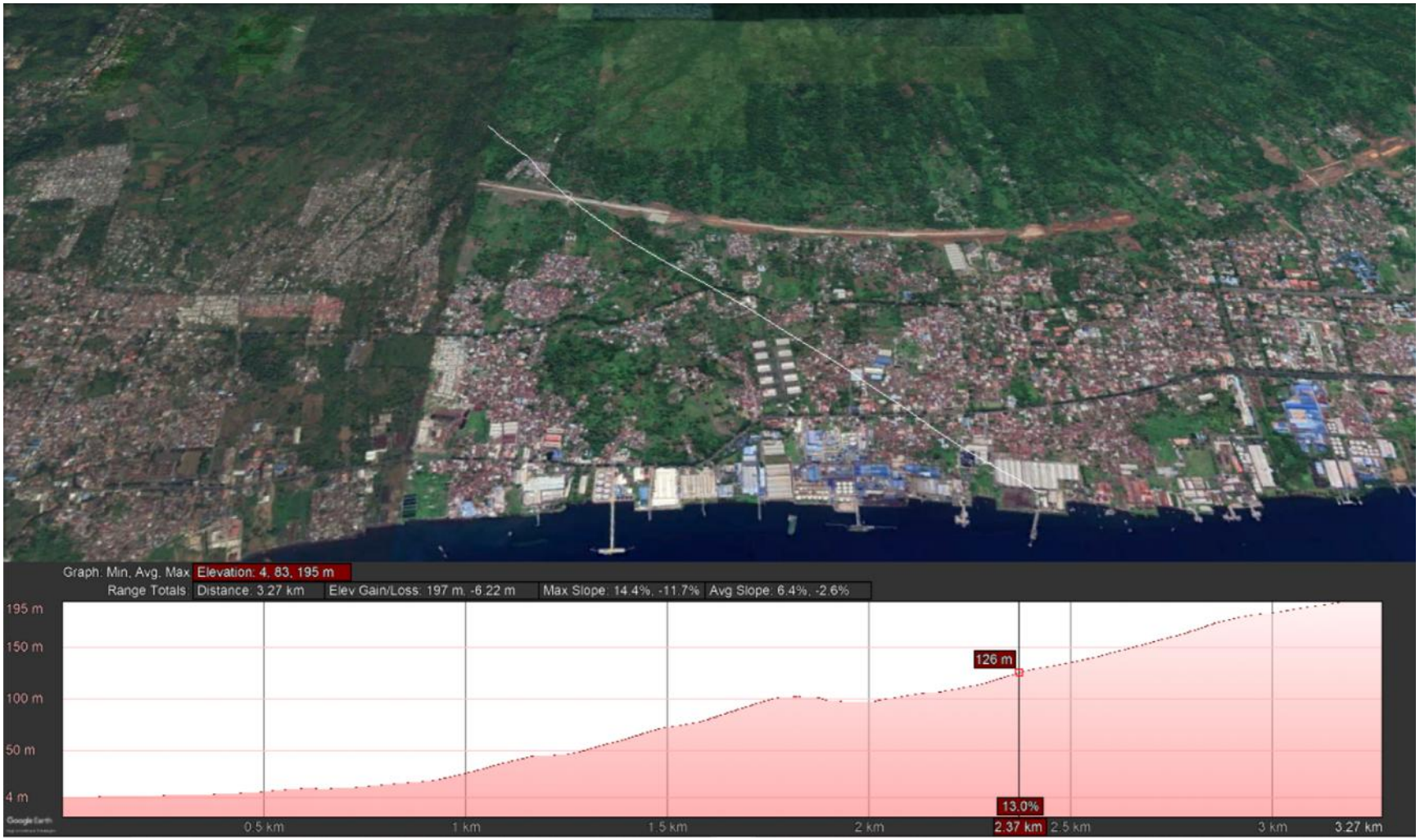


Gambar 3. Isopleth TSP



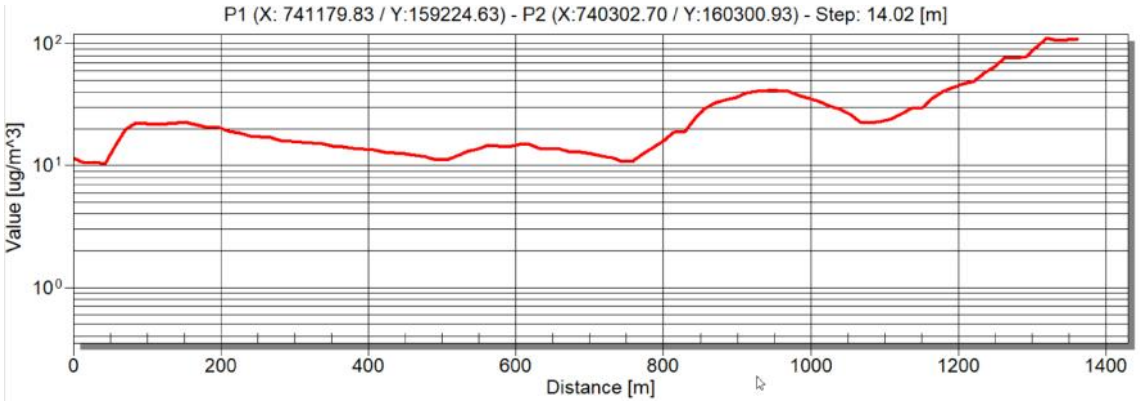
Gambar 4. Isopleth SO_2

Gambar 5. Isopleth NO_2

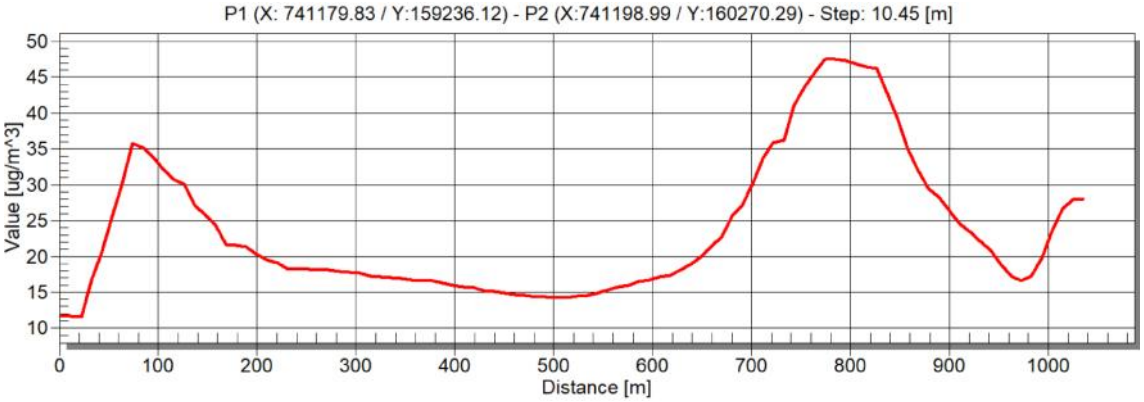


Gambar 6. Profil Topografi Ke Barat Laut

Analisis *cross section* isopleth ke arah Barat Laut (Gambar 7) menunjukkan konsentrasi maksimum dijumpai pada jarak ± 1.400 m; sedangkan ke arah Utara (Gambar 8) menunjukkan konsentrasi maksimum berada pada jarak ± 800 m.



Gambar 7. Profil Konsentrasi TSP Dari Sumber Ke Barat Laut



Gambar 8. Profil Konsentrasi TSP Dari Sumber Ke Utara

4. KESIMPULAN

4.1. Kesimpulan

Laporan ini menyajikan hasil pemodelan menggunakan model dispersi udara Aermod View dan penilaian dampak kualitas udara pada titik-titik reseptor sensitif di sekitar PT Agro Makmur Raya. Emisi utama dari PT Agro Makmur Raya adalah TSP, SO_2, dan NO_2.

Dalam jarak 300 m di sekitar tapak, kontribusi PT Agro Makmur Raya terhadap konsentrasi polutan sangat rendah dibandingkan konsentrasi maksimum.

Konsentrasi maksimum dijumpai pada lokasi ± 1,4 km ke arah Utara.

DAFTAR PUSTAKA

BC Ministry Of Environment. (2015). *British Columbia Air Quality Dispersion Modelling Guide.* Environmental Protection Division, Victoria, British Columbia, Canada.

Menteri Negara Lingkungan Hidup. (2007). *Peraturan Menteri Negara Lingkungan Hidup No. 07 Tahun 2007 Tentang Baku Mutu Emisi Sumber Tidak Bergerak Bagi ketel Uap.*

Pemerintah Republik Indonesia. (1999). *Peraturan Pemerintah No 41 Tahun 1999 Tentang Pengendalian Pencemaran Udara.*

LAMPIRAN A: Sertifikat Hasil Pengukuran Kualitas Emisi

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LAPORAN HASIL PENGUJIAN

No. Lab : A3L-LHP-19.11-0948A-7
Nama Pelanggan : PT **AGRO MAKMUR RAYA - MADIDIR**
Uraian Sampel : Emisi Sumber Tidak Bergerak
Titik Koordinat : N 01°26'23.4" E 125°10'06.4"
Identitas Sampel : Boiler 10 Ton
Tanggal Sampling : 5 November 2019

NO	PARAMETER	HASIL UJI	BAKU MUTU**	SATUAN	SPESIFIKASI METODE
KUALITAS UDARA EMISI					
1	Ammonia (NH_3)	0,052	1	mg/m^3	SNI 06-7117.6.2005
2	Gas klorin (Cl_2)	0,125	5	mg/m^3	IKM-5.4.14-A3L
3	Hidrogen Fluorida (HF)	0,225	8	mg/m^3	SNI 06-7117.9.2005
4	Hidrogen Klorida (HCl)	0,420	5	mg/m^3	SNI 06-7117.8.2005
5	Karbon Monoksida (CO)*	288,07	-	mg/m^3	SNI 19-7117.10.2005
6	Nitrogen Oksida (NO_2)*	50,51	800	mg/m^3	IKM-5.4.25-A3L
7	Opasitas	<20	30	%	SNI 19-7117.11.2005
8	Partikulat*	40,04	300	mg/m^3	SNI 7117.17.2009
9	Sulfur Dioksida (SO_2)*	358,38	600	mg/m^3	IKM-5.4.25-A3L
10	Oksigen (O_2)*	14,8	-	%	SNI 19-7117.10.2005
11	Karbon Dioksida (CO_2)*	4,4	-	%	SNI 19-7117.10.2005
12	Kecepatan Gas Buang*	12,0	-	m/s	SNI 7117.14.2009
13	Persentase Isokinetik*	96,17	90-110[2)]	%	SNI 7117.17.2009

Keterangan :

1. < Kurang dari MDL (Limit Deteksi Metode)
   * Parameter Terakreditasi
2. ** Keputusan Menteri Lingkungan Hidup No 7 Tahun 2007 Lampiran I Tentang Baku Mutu Emisi Sumber Tidak bergerak Bagi Ketel Uap yang menggunakan Bahan Bakar Biomassa Berupa Serabut dan/atau Cangkang Gas Terukur dikoreksi Oksigen 6%

[2)] SNI 7117.17.2009

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LAPORAN HASIL PENGUJIAN

No. Lab : A3L-LHP-19.11-0948A-8
Nama Pelanggan : **PT AGRO MAKMUR RAYA - MADIDIR**
Uraian Sampel : Emisi Sumber Tidak Bergerak
Titik Koordinat : N 01°26'21.2" E 125°10'04.7"
Identitas Sampel : Boiler 50 Ton
Tanggal Sampling : 5 November 2019

NO	PARAMETER	HASIL UJI	BAKU MUTU**	SATUAN	SPESIFIKASI METODE
KUALITAS UDARA EMISI					
1	Ammonia (NH_3)	0,042	1	mg/m^3	SNI 06-7117.6.2005
2	Gas klorin (Cl_2)	0,175	5	mg/m^3	IKM-5.4.14-A3L
3	Hidrogen Fluorida (HF)	0,180	8	mg/m^3	SNI 06-7117.9.2005
4	Hidrogen Klorida (HCl)	0,280	5	mg/m^3	SNI 06-7117.8.2005
5	Karbon Monoksida (CO)*	475,77	-	mg/m^3	SNI 19-7117.10.2005
6	Nitrogen Oksida (NO_2)*	71,02	800	mg/m^3	IKM-5.4.25-A3L
7	Opasitas	<20	30	%	SNI 19-7117.11.2005
8	Partikulat*	66,02	300	mg/m^3	SNI 7117.17.2009
9	Sulfur Dioksida (SO_2)*	379,38	600	mg/m^3	IKM-5.4.25-A3L
10	Oksigen (O_2)*	13,80	-	%	SNI 19-7117.10.2005
11	Karbon Dioksida (CO_2)*	38,19	-	%	SNI 19-7117.10.2005
12	Kecepatan Gas Buang*	15,18	-	m/s	SNI 7117.14.2009
13	Persentase Isokinetik*	93,31	90-110[2)]	%	SNI 7117.17.2009

Keterangan :

1. < Kurang dari MDL (Limit Deteksi Metode)
   * Parameter Terakreditasi
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   Gas Terukur dikoreksi Oksigen 6%

[2)] SNI 7117.17.2009

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LAPORAN HASIL PENGUJIAN

No. Lab : A3L-LHP-19.11-0948A-9
Nama Pelanggan : PT **AGRO MAKMUR RAYA - MADIDIR**
Uraian Sampel : Emisi Sumber Tidak Bergerak
Titik Koordinat : N 01°26'22.6" E 125°10'03.3"
Identitas Sampel : Genset 1000 KVA
Tanggal Sampling : 5 November 2019

NO	PARAMETER	HASIL UJI	BAKU MUTU**	SATUAN	SPESIFIKASI METODE
KUALITAS UDARA EMISI					
1	Karbon Monoksida (CO)*	348,3	600	mg/m^3	SNI 19-7117.10.2005
2	Nitrogen Oksida (NO_2)*	351,67	1000	mg/m^3	IKM-5.4.25-A3L
3	Partikulat*	44,47	150	mg/m^3	SNI 7117.17.2009
4	Sulfur Dioksida (SO_2)*	26,17	800	mg/m^3	IKM-5.4.25-A3L
5	Oksigen (O_2)*	12,20	-	%	SNI 19-7117.10.2005
6	Karbon Dioksida (CO_2)*	5,81	-	%	SNI 19-7117.10.2005
7	Kecepatan Gas Buang*	11,19	-	m/s	SNI 7117.14.2009
8	Persentase Isokinetik*	96,90	90-110[2)]	%	SNI 7117.17.2009

Keterangan :

1. < Kurang dari MDL (Limit Deteksi Metode)
   * Parameter Terakreditasi
2. ** Peraturan Menteri Lingkungan Hidup No 13 Tahun 2009 Lampiran Ia no 2 (Bahan Bakar Minyak)
   Gas Terukur dikoreksi Oksigen 13%
   [2)] SNI 7117.17.2009

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No. Lab : A3L-LHP-19.11-0948A-10
Nama Pelanggan : **PT AGRO MAKMUR RAYA - MADIDIR**
Uraian Sampel : Emisi Sumber Tidak Bergerak
Titik Koordinat : N 01°26'22.5" E 125°10'03.1"
Identitas Sampel : Genset 2000 KVA
Tanggal Sampling : 4 November 2019

NO	PARAMETER	HASIL UJI	BAKU MUTU**	SATUAN	SPESIFIKASI METODE
KUALITAS UDARA EMISI					
1	Karbon Monoksida (CO)*	341,39	600	mg/m^3	SNI 19-7117.10.2005
2	Nitrogen Oksida (NO_2)*	483,89	1000	mg/m^3	IKM-5.4.25-A3L
3	Partikulat*	52,88	150	mg/m^3	SNI 7117.17.2009
4	Sulfur Dioksida (SO_2)*	73,44	800	mg/m^3	IKM-5.4.25-A3L
5	Oksigen (O_2)*	17,80	-	%	SNI 19-7117.10.2005
6	Karbon Dioksida (CO_2)*	5,86	-	%	SNI 19-7117.10.2005
7	Kecepatan Gas Buang*	11,54	-	m/s	SNI 7117.14.2009
8	Persentase Isokinetik*	96,85	90-110[2)]	%	SNI 7117.17.2009

Keterangan :

1. < Kurang dari MDL (Limit Deteksi Metode)
   * Parameter Terakreditasi
2. ** Peraturan Menteri Lingkungan Hidup No 13 Tahun 2009 Lampiran Ia no 2 (Bahan Bakar Minyak)
   Gas Terukur dikoreksi Oksigen 13%
   [2)] SNI 7117.17.2009

PT Advanced Analytics Asia Laboratories

Drs. M. Haiyum
Kepala Laboratorium

Catatan :
1.LHP ini hanya berlaku hanya untuk sampel yang diuji
2.LHP ini tidak boleh digandakan, tanpa seizin dari Kepala Laboratorium PT A3L
3.Keluhan atas LHP maks 30 hari setelah pengiriman
F-5.10.4-A3L; Rev 0; 21 April 2017

LAMPIRAN B: Hasil TSP

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.2.0
** Lakes Environmental Software Inc.
** Date: 12/16/2020
** File: D:\Amdal\Lainnya\Zetly\PT Agro\TSP Agro\TSP Agro.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE D:\Amdal\Lainnya\Zetly\PT Agro\TSP Agro\TSP Agro.isc
   MODELOPT DFAULT CONC VECTORWS
   AVERTIME 1 24 PERIOD
   POLLUTID TSP
   RUNORNOT RUN
   ERRORFIL "TSP Agro.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION G1000         POINT      741180.000   159235.000        2.270
   LOCATION G2000         POINT      741174.000   159232.000        2.040
   LOCATION B10           POINT      741276.000   159260.000        4.790
   LOCATION B50           POINT      741223.000   159192.000        0.850
** Source Parameters **
   SRCPARAM G1000           0.0479     5.770   398.150  11.19000     0.350
   SRCPARAM G2000           0.0886     5.500   398.150  11.54000     0.430
   SRCPARAM B10             0.4742    24.000   423.150  12.00000     1.110
   SRCPARAM B50             3.1485    33.440   423.150  15.18000     2.000
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "TSP Agro.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE "..\..\Data Iklim\Sulut.SFC"
   PROFFILE "..\..\Data Iklim\Sulut.PFL"
   SURFDATA 66666 2018
   UAIRDATA 66666 2018
   PROFBASE 14.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   RECTABLE 24 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "TSP AGRO.AD\01H1GALL.PLT" 31
   PLOTFILE 24 ALL 1ST "TSP AGRO.AD\24H1GALL.PLT" 32
   PLOTFILE PERIOD ALL "TSP AGRO.AD\PE00GALL.PLT" 33
   SUMMFILE "TSP Agro.sum"
OU FINISHED


  *** Message Summary For AERMOD 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   ********
CO W116      20       MODOPT: Vector Wind Speeds specified on MODELOPT Keyword       VECTORWS

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

```
 *** AERMOD - VERSION  15181 ***   *** D:\Amdal\Lainnya\Zetly\PT Agro\TSP Agro\TSP Agro.isc                 ***
12/16/20
 *** AERMET - VERSION  15181 ***   ***                                                                     ***
18:42:32

PAGE   1
 **MODELOPTs:   RegDFAULT CONC      ELEV      RURAL     VectorWS

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

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

   --  DEPOSITION LOGIC  --
 **NO GAS DEPOSITION Data Provided.
 **NO PARTICLE DEPOSITION Data Provided.
 **Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
 **Model Uses NO WET DEPLETION.  WETDPLT  =  F

 **Model Uses RURAL Dispersion Only.

 **Model Uses Regulatory DEFAULT Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.

 **Other Options Specified:
        VECTORWS - User specifies that input wind speeds are VECTOR means
        CCVR_Sub - Meteorological data includes CCVR substitutions
        TEMP_Sub - Meteorological data includes TEMP substitutions

 **Model Assumes No FLAGPOLE Receptor Heights.

 **The User Specified a Pollutant Type of:  TSP

 **Model Calculates  2 Short Term Average(s) of:   1-HR  24-HR
    and Calculates PERIOD Averages

 **This Run Includes:      4 Source(s);       1 Source Group(s); and    1607 Receptor(s)

               with:      4 POINT(s), including
                          0 POINTCAP(s) and      0 POINTHOR(s)
                and:      0 VOLUME source(s)
                and:      0 AREA type source(s)
                and:      0 LINE source(s)
                and:      0 OPENPIT source(s)


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

 **The AERMET Input Meteorological Data Version Date:  15181

 **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 External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE 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:  Base Elev. for Pot. Temp. Profile (m MSL) =    14.00 ;  Decay Coef. =    0.000     ;  Rot. Angle =
0.0
                  Emission Units = GRAMS/SEC                              ;  Emission Rate Unit Factor =
0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      3.7 MB of RAM.

 **Detailed Error/Message File:   TSP Agro.err
 **File for Summary of Results:   TSP Agro.sum
```

**MODELOPTs: RegDFAULT CONC ELEV RURAL VectorWS

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/HOR EMIS RATE SCALAR VARY BY
G1000	0	0.47900E-01	741180.0	159235.0	2.3	5.77	398.15	11.19	0.35	NO	NO	NO
G2000	0	0.88600E-01	741174.0	159232.0	2.0	5.50	398.15	11.54	0.43	NO	NO	NO
B10	0	0.47420E+00	741276.0	159260.0	4.8	24.00	423.15	12.00	1.11	NO	NO	NO
B50	0	0.31485E+01	741223.0	159192.0	0.9	33.44	423.15	15.18	2.00	NO	NO	NO

 **MODELOPTs: RegDFAULT CONC   ELEV   RURAL   VectorWS

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	G1000 , G2000 , B10 , B50 ,

**MODELOPTs: RegDFAULT CONC ELEV RURAL VectorWS

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

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

740208.4, 740258.4, 740308.4, 740358.4, 740408.4, 740458.4, 740508.4, 740558.4, 740608.4, 740658.4,
740708.4, 740758.4, 740808.4, 740858.4, 740908.4, 740958.4, 741008.4, 741058.4, 741108.4, 741158.4,
741208.4, 741258.4, 741308.4, 741358.4, 741408.4, 741458.4, 741508.4, 741558.4, 741608.4, 741658.4,
741708.4, 741758.4, 741808.4, 741858.4, 741908.4, 741958.4, 742008.4, 742058.4, 742108.4, 742158.4,

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

158310.6, 158360.6, 158410.6, 158460.6, 158510.6, 158560.6, 158610.6, 158660.6, 158710.6, 158760.6,
158810.6, 158860.6, 158910.6, 158960.6, 159010.6, 159060.6, 159110.6, 159160.6, 159210.6, 159260.6,
159310.6, 159360.6, 159410.6, 159460.6, 159510.6, 159560.6, 159610.6, 159660.6, 159710.6, 159760.6,
159810.6, 159860.6, 159910.6, 159960.6, 160010.6, 160060.6, 160110.6, 160160.6, 160210.6, 160260.6,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)							
	740208.38	740258.38	740308.38	740358.38	740408.38	740458.38	740508.38	740558.38	740608.38
160260.60	66.70	66.40	66.60	65.90	64.30	62.90	61.60	60.30	59.10
160210.60	61.30	60.20	59.80	59.30	58.50	57.80	57.10	55.80	54.20
160160.60	55.80	54.40	54.30	54.20	54.10	53.70	53.20	51.60	49.80
160110.60	50.20	48.60	49.10	49.60	50.10	49.90	49.40	47.60	45.50
160060.60	44.60	43.80	46.20	46.70	45.10	43.60	42.20	40.90	39.60
160010.60	39.00	38.90	43.00	43.50	39.90	37.10	34.90	34.10	33.60
159960.60	34.00	33.30	35.00	35.10	33.30	30.80	28.00	28.10	29.20
159910.60	28.90	27.80	27.80	27.60	27.00	25.10	22.20	23.00	25.00
159860.60	23.80	22.90	22.90	22.70	22.10	21.10	19.60	20.40	21.80
159810.60	19.60	19.10	19.10	18.80	18.20	17.70	17.20	17.70	18.40
159760.60	16.90	17.00	17.00	16.50	15.60	15.10	15.00	14.80	14.70
159710.60	13.80	14.00	14.30	14.20	13.40	13.10	13.10	12.80	12.40
159660.60	10.40	10.40	11.30	11.70	11.50	11.50	11.50	11.40	11.30
159610.60	8.50	8.40	9.10	9.50	9.80	9.70	9.50	9.60	9.80
159560.60	7.20	7.20	7.20	7.50	8.00	7.90	7.40	7.70	8.20
159510.60	6.10	6.00	5.70	5.50	5.30	5.60	6.30	6.70	7.00
159460.60	5.00	4.80	4.30	3.50	2.50	3.30	5.40	6.00	6.00
159410.60	5.00	4.80	4.30	3.80	3.30	3.70	4.60	5.30	5.90
159360.60	5.10	4.90	4.40	4.10	4.00	4.10	4.20	5.00	6.00
159310.60	5.60	5.50	4.90	4.50	4.10	4.40	5.10	5.80	6.60
159260.60	5.20	5.10	4.70	4.20	3.50	3.80	4.70	5.40	6.00
159210.60	2.80	3.10	2.90	2.40	1.50	1.30	1.60	2.30	3.30
159160.60	1.20	1.50	1.50	1.10	0.30	0.00	0.00	0.60	1.40
159110.60	0.30	0.40	0.40	0.30	0.10	0.00	0.00	0.10	0.40
159060.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159010.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158960.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158910.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158860.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158810.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158760.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158710.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158660.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158610.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158560.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158510.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158460.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158410.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158360.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158310.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)							
	740658.38	740708.38	740758.38	740808.38	740858.38	740908.38	740958.38	741008.38	741058.38
160260.60	57.50	55.80	53.90	52.20	51.60	50.70	49.10	47.50	45.80
160210.60	51.80	49.40	49.50	49.30	47.90	46.40	44.80	42.70	40.20
160160.60	47.20	44.60	44.20	43.80	43.30	42.70	41.80	40.20	38.00
160110.60	42.80	40.20	38.70	37.60	38.60	39.20	39.20	38.30	36.70
160060.60	38.00	36.40	35.00	34.10	34.90	35.30	35.10	34.40	33.30
160010.60	33.10	32.50	31.50	30.70	31.20	31.40	30.80	30.30	29.70
159960.60	28.50	27.60	27.20	26.90	27.10	27.00	26.10	25.40	24.80
159910.60	24.10	22.90	23.00	23.10	23.20	22.90	21.80	20.90	20.40
159860.60	20.30	18.60	19.00	19.40	20.10	20.10	18.70	17.70	17.10
159810.60	16.90	15.40	16.10	16.90	17.80	17.80	16.20	15.10	14.70
159760.60	14.20	13.80	15.10	16.30	16.50	16.20	14.60	13.60	13.50
159710.60	12.50	12.80	14.20	15.40	15.20	14.70	13.40	12.70	12.70
159660.60	11.70	12.20	13.40	14.20	13.80	13.20	12.50	12.10	12.10
159610.60	10.30	10.80	11.30	11.60	11.30	10.90	10.60	10.50	10.70
159560.60	8.70	9.20	8.80	8.40	8.40	8.30	8.30	8.50	9.00
159510.60	7.30	7.60	7.30	7.00	7.00	7.00	7.00	7.30	7.80
159460.60	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.20	6.70
159410.60	6.00	6.00	5.70	5.50	5.80	5.90	5.60	5.40	5.30
159360.60	6.00	5.90	5.40	5.10	5.60	5.70	5.10	4.60	4.30
159310.60	6.00	5.30	5.20	5.00	5.20	5.10	4.20	4.10	5.00
159260.60	5.40	4.60	4.60	4.70	4.90	4.60	3.20	3.00	4.40
159210.60	3.40	3.50	3.50	3.70	4.50	4.30	2.00	1.00	1.40
159160.60	1.80	2.20	2.20	2.30	3.10	3.00	1.00	0.00	0.00
159110.60	0.50	0.60	0.60	0.60	0.80	0.80	0.30	0.00	0.00
159060.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159010.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158960.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158910.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158860.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158810.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158760.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158710.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158660.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158610.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158560.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158510.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158460.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158410.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158360.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158310.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**MODELOPTs: RegDFAULT CONC ELEV RURAL VectorWS

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)						
	741108.38	741158.38	741208.38	741258.38	741308.38	741358.38	741408.38
160260.60	46.40	48.10	47.90	47.00	47.90	48.80	47.40
160210.60	40.00	41.20	41.70	42.00	43.00	43.90	42.80
160160.60	37.70	38.50	38.80	38.80	39.20	39.50	37.90
160110.60	36.40	37.00	36.70	36.20	35.70	35.10	33.00
160060.60	32.60	32.00	31.90	31.90	31.60	31.30	29.10
160010.60	28.50	27.00	27.10	27.70	27.70	27.50	25.40
159960.60	24.00	23.00	24.00	25.50	24.70	23.70	22.50
159910.60	19.90	19.40	20.80	22.80	21.80	20.50	20.10
159860.60	16.80	16.60	17.70	19.10	19.10	18.90	18.80
159810.60	14.60	14.60	15.10	15.80	16.50	17.10	17.20
159760.60	13.50	13.50	13.30	13.20	14.00	14.90	15.40
159710.60	12.70	12.70	12.40	12.00	12.40	12.80	13.30
159660.60	12.10	12.10	12.10	12.00	11.30	10.60	11.10
159610.60	10.90	11.20	11.20	11.20	10.40	9.60	9.90
159560.60	9.50	10.00	10.10	10.10	9.60	9.10	9.10
159510.60	8.20	8.50	8.80	9.00	8.80	8.50	8.00
159460.60	6.90	7.00	7.40	7.90	7.90	7.90	6.90
159410.60	5.50	5.80	6.00	6.30	6.60	6.90	6.70
159360.60	4.40	4.80	5.00	5.10	5.40	5.70	6.20
159310.60	5.00	4.50	4.90	5.60	4.90	4.10	4.60
159260.60	4.30	3.50	4.00	4.90	4.20	3.40	3.50
159210.60	1.40	1.10	1.60	2.30	3.40	4.40	3.40
159160.60	0.00	0.00	0.30	0.70	2.10	3.60	2.40
159110.60	0.00	0.00	0.10	0.20	0.50	0.90	0.60
159060.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159010.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158960.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158910.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158860.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158810.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158760.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158710.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158660.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158610.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158560.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158510.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158460.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158410.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158360.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158310.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**MODELOPTs: RegDFAULT CONC ELEV RURAL VectorWS

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)							
	741558.38	741608.38	741658.38	741708.38	741758.38	741808.38	741858.38	741908.38	741958.38
160260.60	35.40	36.60	37.70	38.70	39.60	40.30	37.90	34.60	32.50
160210.60	31.60	31.30	31.30	31.50	31.60	31.70	29.90	27.50	27.10
160160.60	29.50	27.80	26.90	26.60	26.40	26.10	24.00	21.40	21.40
160110.60	27.90	24.80	22.90	22.40	21.90	21.30	18.70	15.50	15.70
160060.60	24.40	21.80	19.90	18.80	17.80	17.00	14.70	12.10	12.60
160010.60	21.00	18.90	17.00	15.50	14.20	13.10	11.20	9.10	9.90
159960.60	18.90	17.10	15.60	14.30	13.10	12.00	10.40	8.50	9.40
159910.60	17.10	15.60	14.30	13.10	12.00	10.90	9.60	8.20	8.90
159860.60	15.60	14.80	13.60	12.20	10.90	9.90	9.20	8.70	8.70
159810.60	14.30	13.50	12.50	11.20	10.00	8.80	8.40	8.30	8.00
159760.60	13.00	11.60	10.70	10.40	9.30	7.80	7.10	6.70	6.90
159710.60	11.20	9.60	8.70	8.70	7.90	6.70	6.10	5.70	6.20
159660.60	9.00	7.40	6.60	6.60	6.10	5.40	5.20	5.10	5.60
159610.60	7.30	5.90	5.10	4.90	4.70	4.60	4.60	4.60	4.70
159560.60	5.80	4.70	3.90	3.40	3.50	3.90	4.10	4.10	3.60
159510.60	5.60	4.60	3.90	3.60	3.70	3.90	4.20	4.50	3.80
159460.60	5.60	4.60	4.10	4.00	4.00	4.00	4.40	4.90	4.00
159410.60	5.60	6.00	5.80	4.90	4.20	3.60	3.80	4.40	3.70
159360.60	5.50	6.90	7.00	5.50	4.30	3.30	3.50	4.10	3.60
159310.60	5.20	5.70	5.60	4.70	4.10	3.70	4.10	4.60	3.80
159260.60	4.20	4.20	4.10	3.70	3.60	3.60	4.00	4.60	3.60
159210.60	2.00	2.00	2.20	2.40	2.50	2.50	2.90	3.50	2.50
159160.60	0.70	0.70	0.90	1.30	1.40	1.40	1.70	2.10	1.40
159110.60	0.20	0.20	0.20	0.30	0.30	0.30	0.40	0.50	0.30
159060.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159010.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158960.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158910.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158860.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158810.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158760.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158710.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158660.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158610.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158560.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158510.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158460.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158410.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158360.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158310.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**MODELOPTs: RegDFAULT CONC ELEV RURAL VectorWS

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 742008.38	742058.38	742108.38	742158.38
160260.60	30.40	28.20	26.40	25.90
160210.60	26.60	24.40	22.60	22.10
160160.60	21.60	21.10	20.50	19.50
160110.60	16.30	17.80	18.70	17.10
160060.60	13.50	14.50	15.10	14.10
160010.60	11.00	11.50	11.80	11.30
159960.60	10.40	10.60	10.80	10.90
159910.60	9.70	9.50	9.50	10.10
159860.60	8.60	7.80	7.30	7.90
159810.60	7.70	6.60	5.90	6.60
159760.60	7.20	6.10	5.40	6.40
159710.60	6.60	5.70	5.20	6.10
159660.60	6.10	5.50	5.10	5.70
159610.60	4.80	4.90	5.10	5.70
159560.60	3.20	4.20	5.10	5.60
159510.60	3.00	3.90	4.70	5.50
159460.60	3.00	3.60	4.20	5.30
159410.60	3.00	3.20	3.70	5.10
159360.60	3.00	2.90	3.20	4.90
159310.60	3.00	2.60	2.70	4.70
159260.60	2.60	2.00	1.90	3.70
159210.60	1.50	0.90	0.60	1.20
159160.60	0.70	0.30	0.00	0.00
159110.60	0.20	0.10	0.00	0.00
159060.60	0.00	0.00	0.00	0.00
159010.60	0.00	0.00	0.00	0.00
158960.60	0.00	0.00	0.00	0.00
158910.60	0.00	0.00	0.00	0.00
158860.60	0.00	0.00	0.00	0.00
158810.60	0.00	0.00	0.00	0.00
158760.60	0.00	0.00	0.00	0.00
158710.60	0.00	0.00	0.00	0.00
158660.60	0.00	0.00	0.00	0.00
158610.60	0.00	0.00	0.00	0.00
158560.60	0.00	0.00	0.00	0.00
158510.60	0.00	0.00	0.00	0.00
158460.60	0.00	0.00	0.00	0.00
158410.60	0.00	0.00	0.00	0.00
158360.60	0.00	0.00	0.00	0.00
158310.60	0.00	0.00	0.00	0.00

**MODELOPTs: RegDFAULT CONC ELEV RURAL VectorWS

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS)									
	740208.38	740258.38	740308.38	740358.38	740408.38	740458.38	740508.38	740558.38	740608.38	
160260.60	180.00	180.00	180.00	180.00	180.00	180.00	180.00	180.00	180.00	
160210.60	180.00	180.00	180.00	180.00	180.00	180.00	180.00	180.00	180.00	
160160.60	180.00	180.00	180.00	180.00	180.00	180.00	180.00	180.00	180.00	
160110.60	180.00	180.00	180.00	180.00	180.00	180.00	180.00	180.00	180.00	
160060.60	180.00	180.00	180.00	180.00	180.00	180.00	180.00	180.00	180.00	
160010.60	180.00	180.00	180.00	180.00	180.00	180.00	180.00	180.00	180.00	
159960.60	180.00	180.00	180.00	180.00	180.00	180.00	180.00	180.00	180.00	
159910.60	180.00	180.00	180.00	180.00	180.00	180.00	180.00	180.00	180.00	
159860.60	180.00	180.00	180.00	180.00	180.00	180.00	180.00	180.00	180.00	
159810.60	180.00	180.00	180.00	180.00	180.00	180.00	180.00	180.00	180.00	
159760.60	180.00	180.00	180.00	180.00	180.00	180.00	180.00	180.00	180.00	
159710.60	180.00	180.00	180.00	180.00	180.00	180.00	180.00	180.00	180.00	
159660.60	180.00	180.00	180.00	180.00	180.00	180.00	180.00	180.00	180.00	
159610.60	180.00	180.00	180.00	180.00	180.00	180.00	180.00	180.00	180.00	
159560.60	180.00	180.00	180.00	180.00	180.00	180.00	180.00	180.00	180.00	
159510.60	180.00	180.00	180.00	180.00	180.00	180.00	180.00	180.00	180.00	
159460.60	180.00	180.00	180.00	180.00	180.00	180.00	180.00	164.00	164.00	
159410.60	180.00	180.00	180.00	180.00	180.00	180.00	4.60	5.30	5.90	
159360.60	180.00	180.00	180.00	4.10	4.00	4.10	4.20	5.00	6.00	
159310.60	5.60	5.50	4.90	4.50	4.10	4.40	5.10	5.80	6.60	
159260.60	5.20	5.10	4.70	4.20	3.50	3.80	4.70	5.40	6.00	
159210.60	2.80	3.10	2.90	2.40	1.50	1.30	1.60	2.30	3.30	
159160.60	1.20	1.50	1.50	1.10	0.30	0.00	0.00	0.60	1.40	
159110.60	0.30	0.40	0.40	0.30	0.10	0.00	0.00	0.10	0.40	
159060.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
159010.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
158960.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
158910.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
158860.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
158810.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
158760.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
158710.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
158660.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
158610.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
158560.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
158510.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
158460.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
158410.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
158360.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
158310.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS)									
	740658.38	740708.38	740758.38	740808.38	740858.38	740908.38	740958.38	741008.38	741058.38
160260.60	180.00	180.00	180.00	175.00	164.00	164.00	164.00	164.00	164.00
160210.60	180.00	180.00	180.00	175.00	164.00	164.00	164.00	164.00	164.00
160160.60	180.00	180.00	180.00	180.00	175.00	164.00	164.00	164.00	164.00
160110.60	180.00	180.00	180.00	180.00	175.00	164.00	164.00	164.00	164.00
160060.60	180.00	180.00	180.00	180.00	180.00	164.00	164.00	164.00	164.00
160010.60	180.00	180.00	180.00	180.00	180.00	164.00	164.00	164.00	164.00
159960.60	180.00	180.00	180.00	180.00	180.00	164.00	164.00	164.00	164.00
159910.60	180.00	180.00	180.00	180.00	180.00	164.00	164.00	164.00	164.00
159860.60	180.00	180.00	180.00	180.00	180.00	164.00	164.00	164.00	164.00
159810.60	180.00	180.00	180.00	180.00	175.00	164.00	164.00	164.00	164.00
159760.60	180.00	180.00	180.00	180.00	164.00	164.00	164.00	164.00	164.00
159710.60	180.00	180.00	180.00	164.00	164.00	164.00	164.00	164.00	164.00
159660.60	180.00	180.00	164.00	164.00	164.00	164.00	164.00	164.00	164.00
159610.60	180.00	164.00	164.00	164.00	164.00	164.00	164.00	164.00	164.00
159560.60	180.00	164.00	164.00	164.00	164.00	164.00	164.00	164.00	164.00
159510.60	164.00	164.00	164.00	164.00	164.00	164.00	164.00	163.00	7.80
159460.60	164.00	164.00	164.00	6.00	6.00	6.00	6.00	6.20	6.70
159410.60	6.00	6.00	5.70	5.50	5.80	5.90	5.60	5.40	5.30
159360.60	6.00	5.90	5.40	5.10	5.60	5.70	5.10	4.60	4.30
159310.60	6.00	5.30	5.20	5.00	5.20	5.10	4.20	4.10	5.00
159260.60	5.40	4.60	4.60	4.70	4.90	4.60	3.20	3.00	4.40
159210.60	3.40	3.50	3.50	3.70	4.50	4.30	2.00	1.00	1.40
159160.60	1.80	2.20	2.20	2.30	3.10	3.00	1.00	0.00	0.00
159110.60	0.50	0.60	0.60	0.60	0.80	0.80	0.30	0.00	0.00
159060.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159010.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158960.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158910.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158860.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158810.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158760.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158710.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158660.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158610.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158560.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158510.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158460.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158410.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158360.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158310.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**MODELOPTs: RegDFAULT CONC ELEV RURAL VectorWS

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS)									
	741108.38	741158.38	741208.38	741258.38	741308.38	741358.38	741408.38	741458.38	741508.38
160260.60	164.00	164.00	164.00	164.00	164.00	164.00	164.00	164.00	164.00
160210.60	164.00	164.00	164.00	164.00	164.00	164.00	164.00	164.00	164.00
160160.60	164.00	164.00	164.00	164.00	164.00	164.00	164.00	164.00	164.00
160110.60	164.00	164.00	164.00	164.00	164.00	164.00	164.00	164.00	164.00
160060.60	164.00	164.00	164.00	164.00	164.00	164.00	164.00	164.00	164.00
160010.60	164.00	164.00	164.00	164.00	164.00	164.00	164.00	164.00	164.00
159960.60	164.00	164.00	164.00	164.00	164.00	164.00	164.00	164.00	164.00
159910.60	164.00	164.00	164.00	164.00	164.00	164.00	164.00	164.00	164.00
159860.60	164.00	164.00	164.00	164.00	164.00	164.00	164.00	164.00	163.00
159810.60	164.00	164.00	164.00	164.00	164.00	164.00	164.00	163.00	163.00
159760.60	164.00	164.00	164.00	164.00	164.00	164.00	163.00	163.00	159.00
159710.60	164.00	164.00	164.00	164.00	164.00	163.00	163.00	159.00	159.00
159660.60	164.00	164.00	164.00	164.00	163.00	163.00	159.00	159.00	159.00
159610.60	164.00	164.00	163.00	11.20	159.00	159.00	159.00	159.00	159.00
159560.60	163.00	10.00	10.10	10.10	9.60	9.10	9.10	159.00	159.00
159510.60	8.20	8.50	8.80	9.00	8.80	8.50	8.00	7.40	6.50
159460.60	6.90	7.00	7.40	7.90	7.90	7.90	6.90	6.00	6.00
159410.60	5.50	5.80	6.00	6.30	6.60	6.90	6.70	6.40	5.80
159360.60	4.40	4.80	5.00	5.10	5.40	5.70	6.20	6.50	5.60
159310.60	5.00	4.50	4.90	5.60	4.90	4.10	4.60	5.00	5.00
159260.60	4.30	3.50	4.00	4.90	4.20	3.40	3.50	3.70	4.00
159210.60	1.40	1.10	1.60	2.30	3.40	4.40	3.40	2.50	2.20
159160.60	0.00	0.00	0.30	0.70	2.10	3.60	2.40	1.40	1.00
159110.60	0.00	0.00	0.10	0.20	0.50	0.90	0.60	0.30	0.20
159060.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159010.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158960.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158910.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158860.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158810.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158760.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158710.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158660.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158610.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158560.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158510.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158460.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158410.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158360.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158310.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	741558.38	741608.38	741658.38	741708.38	741758.38	741808.38	741858.38	741908.38	741958.38
160260.60	164.00	164.00	163.00	159.00	159.00	159.00	159.00	159.00	159.00
160210.60	164.00	164.00	163.00	163.00	159.00	159.00	159.00	159.00	159.00
160160.60	164.00	164.00	164.00	163.00	163.00	159.00	159.00	159.00	159.00
160110.60	164.00	164.00	164.00	163.00	163.00	159.00	159.00	159.00	159.00
160060.60	164.00	164.00	164.00	163.00	163.00	159.00	159.00	159.00	159.00
160010.60	164.00	164.00	164.00	163.00	163.00	159.00	159.00	159.00	159.00
159960.60	164.00	164.00	163.00	163.00	159.00	159.00	159.00	159.00	159.00
159910.60	164.00	163.00	163.00	159.00	159.00	159.00	159.00	159.00	159.00
159860.60	163.00	163.00	159.00	159.00	159.00	159.00	159.00	159.00	159.00
159810.60	163.00	159.00	159.00	159.00	159.00	159.00	159.00	159.00	159.00
159760.60	159.00	159.00	159.00	159.00	159.00	159.00	159.00	159.00	159.00
159710.60	159.00	159.00	159.00	159.00	159.00	159.00	159.00	159.00	159.00
159660.60	159.00	159.00	159.00	159.00	159.00	159.00	159.00	159.00	159.00
159610.60	159.00	159.00	159.00	159.00	159.00	159.00	159.00	159.00	159.00
159560.60	159.00	159.00	159.00	159.00	159.00	159.00	159.00	159.00	159.00
159510.60	159.00	159.00	159.00	159.00	159.00	159.00	159.00	159.00	159.00
159460.60	5.60	4.60	4.10	4.00	4.00	4.00	4.40	4.90	4.00
159410.60	5.60	6.00	5.80	4.90	4.20	3.60	3.80	4.40	3.70
159360.60	5.50	6.90	7.00	5.50	4.30	3.30	3.50	4.10	3.60
159310.60	5.20	5.70	5.60	4.70	4.10	3.70	4.10	4.60	3.80
159260.60	4.20	4.20	4.10	3.70	3.60	3.60	4.00	4.60	3.60
159210.60	2.00	2.00	2.20	2.40	2.50	2.50	2.90	3.50	2.50
159160.60	0.70	0.70	0.90	1.30	1.40	1.40	1.70	2.10	1.40
159110.60	0.20	0.20	0.20	0.30	0.30	0.30	0.40	0.50	0.30
159060.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159010.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158960.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158910.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158860.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158810.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158760.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158710.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158660.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158610.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158560.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158510.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158460.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158410.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158360.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158310.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**MODELOPTs: RegDFAULT CONC ELEV RURAL VectorWS

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 742008.38	742058.38	742108.38	742158.38
160260.60	159.00	159.00	159.00	159.00
160210.60	159.00	159.00	159.00	159.00
160160.60	159.00	159.00	159.00	159.00
160110.60	159.00	159.00	159.00	159.00
160060.60	159.00	159.00	159.00	159.00
160010.60	159.00	159.00	159.00	159.00
159960.60	159.00	159.00	159.00	159.00
159910.60	159.00	159.00	159.00	159.00
159860.60	159.00	159.00	159.00	159.00
159810.60	159.00	159.00	159.00	159.00
159760.60	159.00	159.00	159.00	159.00
159710.60	159.00	159.00	159.00	159.00
159660.60	159.00	159.00	159.00	159.00
159610.60	159.00	159.00	159.00	159.00
159560.60	159.00	159.00	159.00	159.00
159510.60	159.00	3.90	4.70	5.50
159460.60	3.00	3.60	4.20	5.30
159410.60	3.00	3.20	3.70	5.10
159360.60	3.00	2.90	3.20	4.90
159310.60	3.00	2.60	2.70	4.70
159260.60	2.60	2.00	1.90	3.70
159210.60	1.50	0.90	0.60	1.20
159160.60	0.70	0.30	0.00	0.00
159110.60	0.20	0.10	0.00	0.00
159060.60	0.00	0.00	0.00	0.00
159010.60	0.00	0.00	0.00	0.00
158960.60	0.00	0.00	0.00	0.00
158910.60	0.00	0.00	0.00	0.00
158860.60	0.00	0.00	0.00	0.00
158810.60	0.00	0.00	0.00	0.00
158760.60	0.00	0.00	0.00	0.00
158710.60	0.00	0.00	0.00	0.00
158660.60	0.00	0.00	0.00	0.00
158610.60	0.00	0.00	0.00	0.00
158560.60	0.00	0.00	0.00	0.00
158510.60	0.00	0.00	0.00	0.00
158460.60	0.00	0.00	0.00	0.00
158410.60	0.00	0.00	0.00	0.00
158360.60	0.00	0.00	0.00	0.00
158310.60	0.00	0.00	0.00	0.00

**MODELOPTs: RegDFAULT CONC ELEV RURAL VectorWS

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(741140.3, 159424.3, 6.0, 6.0, 0.0); (741397.8, 159385.8, 6.6, 6.6, 0.0);
(741325.2, 159244.9, 3.9, 3.9, 0.0); (741167.2, 159587.6, 10.7, 163.0, 0.0);
(741467.8, 159444.1, 6.1, 6.1, 0.0); (740859.5, 159531.1, 7.5, 164.0, 0.0);
(740764.4, 159464.7, 6.1, 164.0, 0.0);

**MODELOPTs: RegDFAULT CONC   ELEV   RURAL   VectorWS

*** 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
```

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,

**MODELOPTs: RegDFAULT CONC ELEV RURAL VectorWS

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

Surface file: ..\..\Data Iklim\Sulut.SFC Met Version:
15181
Profile file: ..\..\Data Iklim\Sulut.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 66666 Upper air station no.: 66666
Name: UNKNOWN Name: UNKNOWN
Year: 2018 Year: 2018

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
18	01	01	1	01	-28.2	0.295	-9.000	-9.000	-999.	385.	80.2	0.07	0.75	1.00	4.10	301.	10.0	298.4	2.0
18	01	01	1	02	-32.5	0.341	-9.000	-9.000	-999.	478.	106.8	0.07	0.75	1.00	4.60	298.	10.0	298.2	2.0
18	01	01	1	03	-36.8	0.385	-9.000	-9.000	-999.	574.	136.3	0.07	0.75	1.00	5.10	294.	10.0	298.0	2.0
18	01	01	1	04	-36.8	0.385	-9.000	-9.000	-999.	574.	136.2	0.07	0.75	1.00	5.10	293.	10.0	297.9	2.0
18	01	01	1	05	7.4	0.418	-9.000	-9.000	-999.	648.	-860.1	0.07	0.75	0.48	5.10	293.	10.0	297.8	2.0
18	01	01	1	06	64.5	0.483	-9.000	-9.000	-999.	804.	-152.6	0.07	0.75	0.33	5.70	292.	10.0	297.8	2.0
18	01	01	1	07	115.6	0.448	-9.000	-9.000	-999.	721.	-68.1	0.07	0.75	0.29	5.10	295.	10.0	298.6	2.0
18	01	01	1	08	154.4	0.454	-9.000	-9.000	-999.	735.	-53.2	0.07	0.75	0.28	5.10	293.	10.0	299.0	2.0
18	01	01	1	09	179.7	0.384	-9.000	-9.000	-999.	575.	-27.6	0.07	0.75	0.28	4.10	297.	10.0	300.0	2.0
18	01	01	1	10	184.7	0.310	-9.000	-9.000	-999.	417.	-14.1	0.07	0.75	0.28	3.10	311.	10.0	301.5	2.0
18	01	01	1	11	170.3	0.308	-9.000	-9.000	-999.	411.	-15.0	0.07	0.75	0.28	3.10	334.	10.0	301.8	2.0
18	01	01	1	12	44.5	0.280	-9.000	-9.000	-999.	356.	-43.2	0.07	0.75	0.28	3.10	326.	10.0	301.9	2.0
18	01	01	1	13	36.1	0.239	-9.000	-9.000	-999.	282.	-33.3	0.07	0.75	0.29	2.60	333.	10.0	302.0	2.0
18	01	01	1	14	24.1	0.197	-9.000	-9.000	-999.	210.	-27.6	0.07	0.75	0.31	2.10	329.	10.0	301.8	2.0
18	01	01	1	15	30.2	0.155	-9.000	-9.000	-999.	147.	-10.7	0.07	0.75	0.39	1.50	282.	10.0	300.9	2.0
18	01	01	1	16	-3.1	0.061	-9.000	-9.000	-999.	42.	6.4	0.07	0.75	0.71	1.50	284.	10.0	300.8	2.0
18	01	01	1	17	-11.9	0.132	-9.000	-9.000	-999.	115.	16.9	0.07	0.75	1.00	2.60	271.	10.0	300.1	2.0
18	01	01	1	18	-11.9	0.131	-9.000	-9.000	-999.	114.	16.7	0.07	0.75	1.00	2.60	237.	10.0	299.2	2.0
18	01	01	1	19	-6.6	0.085	-9.000	-9.000	-999.	60.	8.2	0.07	0.75	1.00	2.10	234.	10.0	299.0	2.0
18	01	01	1	20	-11.1	0.116	-9.000	-9.000	-999.	95.	12.5	0.07	0.75	1.00	2.60	247.	10.0	299.0	2.0
18	01	01	1	21	-10.3	0.106	-9.000	-9.000	-999.	82.	10.0	0.07	0.75	1.00	2.60	280.	10.0	299.2	2.0
18	01	01	1	22	-11.1	0.117	-9.000	-9.000	-999.	96.	12.6	0.07	0.75	1.00	2.60	292.	10.0	299.2	2.0
18	01	01	1	23	-11.1	0.117	-9.000	-9.000	-999.	96.	12.6	0.07	0.75	1.00	2.60	290.	10.0	299.2	2.0
18	01	01	1	24	-18.6	0.195	-9.000	-9.000	-999.	207.	35.1	0.07	0.75	1.00	3.10	290.	10.0	299.1	2.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
18	01	01	01	10.0	1	301.	4.10	298.4	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

**MODELOPTs: RegDFAULT CONC ELEV RURAL VectorWS

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): G1000 , G2000 , B10 , B50 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)							
	740208.38	740258.38	740308.38	740358.38	740408.38	740458.38	740508.38	740558.38	740608.38
160260.60	0.42928	0.43979	0.45415	0.45383	0.44150	0.43716	0.44125	0.44854	0.46040
160210.60	0.35137	0.35062	0.35875	0.36333	0.36299	0.36573	0.37313	0.37683	0.38003
160160.60	0.27383	0.26773	0.28001	0.29248	0.30550	0.31462	0.32340	0.32140	0.32354
160110.60	0.20786	0.20332	0.21972	0.23755	0.25751	0.27142	0.28306	0.28298	0.29074
160060.60	0.16973	0.17594	0.19993	0.21512	0.21885	0.22611	0.23915	0.25865	0.28242
160010.60	0.16401	0.17352	0.18744	0.20186	0.20972	0.23314	0.26411	0.29211	0.32104
159960.60	0.18416	0.19761	0.20158	0.21368	0.23868	0.27136	0.30305	0.32802	0.35401
159910.60	0.20633	0.22047	0.23463	0.24998	0.26669	0.28153	0.28684	0.31747	0.35797
159860.60	0.20332	0.21256	0.22683	0.24173	0.25545	0.26691	0.27603	0.30556	0.34530
159810.60	0.19061	0.20065	0.21348	0.22632	0.23949	0.25473	0.27103	0.29535	0.32686
159760.60	0.18625	0.19882	0.21207	0.22435	0.23655	0.25226	0.27149	0.29220	0.31601
159710.60	0.18497	0.19749	0.21155	0.22614	0.24040	0.25717	0.27676	0.29843	0.32238
159660.60	0.18630	0.19932	0.21413	0.23002	0.24687	0.26552	0.28596	0.30867	0.33448
159610.60	0.18910	0.20320	0.21869	0.23560	0.25408	0.27415	0.29617	0.32054	0.34763
159560.60	0.19173	0.20647	0.22284	0.24085	0.26071	0.28261	0.30678	0.33310	0.36206
159510.60	0.19444	0.20960	0.22671	0.24570	0.26695	0.29018	0.31571	0.34421	0.37566
159460.60	0.19687	0.21244	0.23004	0.25013	0.27303	0.29659	0.32211	0.35216	0.38624
159410.60	0.19768	0.21350	0.23144	0.25168	0.27451	0.29914	0.32646	0.35750	0.39231
159360.60	0.19769	0.21359	0.23164	0.25186	0.27447	0.29977	0.32830	0.35982	0.39495
159310.60	0.19600	0.21183	0.22989	0.25009	0.27288	0.29797	0.32599	0.35748	0.39309
159260.60	0.19304	0.20852	0.22611	0.24599	0.26864	0.29311	0.32023	0.35105	0.38580
159210.60	0.19039	0.20502	0.22194	0.24115	0.26192	0.28542	0.31213	0.34242	0.37441
159160.60	0.18492	0.19935	0.21525	0.23273	0.25144	0.27300	0.29763	0.32669	0.35914
159110.60	0.17885	0.19260	0.20779	0.22466	0.24337	0.26444	0.28814	0.31487	0.34528
159060.60	0.17454	0.18772	0.20237	0.21873	0.23703	0.25751	0.28043	0.30614	0.33492
159010.60	0.17071	0.18336	0.19743	0.21320	0.23095	0.25093	0.27342	0.29868	0.32693
158960.60	0.16642	0.17872	0.19251	0.20806	0.22558	0.24528	0.26730	0.29174	0.31861
158910.60	0.16257	0.17481	0.18853	0.20389	0.22102	0.23998	0.26080	0.28346	0.30805
158860.60	0.15967	0.17180	0.18522	0.19997	0.21609	0.23360	0.25259	0.27324	0.29607
158810.60	0.15728	0.16891	0.18153	0.19513	0.20979	0.22567	0.24315	0.26272	0.28493
158760.60	0.15452	0.16522	0.17669	0.18902	0.20241	0.21731	0.23420	0.25349	0.27523
158710.60	0.15078	0.16044	0.17088	0.18236	0.19524	0.20992	0.22668	0.24549	0.26593
158660.60	0.14620	0.15511	0.16504	0.17632	0.18924	0.20388	0.22014	0.23768	0.25594
158610.60	0.14145	0.15013	0.16007	0.17147	0.18437	0.19856	0.21364	0.22922	0.24472
158560.60	0.13730	0.14613	0.15623	0.16758	0.17999	0.19312	0.20652	0.21973	0.23236
158510.60	0.13413	0.14313	0.15316	0.16402	0.17543	0.18703	0.19844	0.20931	0.21929
158460.60	0.13183	0.14074	0.15029	0.16023	0.17027	0.18012	0.18953	0.19826	0.20596
158410.60	0.12999	0.13843	0.14715	0.15587	0.16438	0.17249	0.18009	0.18694	0.19271

```
   158360.60 |       0.12816      0.13583      0.14346      0.15084      0.15785      0.16443      0.17044
0.17566      0.17988
   158310.60 |       0.12601      0.13271      0.13915      0.14523      0.15093      0.15619      0.16084
0.16471      0.16779
```

**MODELOPTs: RegDFAULT CONC ELEV RURAL VectorWS

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): G1000 , G2000 , B10 , B50 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)								
	740658.38	740708.38	740758.38	740808.38	740858.38	740908.38	740958.38	741008.38	741058.38
160260.60	0.47087	0.48489	0.49702	0.50961	0.53886	0.56285	0.58974	0.63478	0.68684
160210.60	0.37682	0.38024	0.42486	0.47034	0.49660	0.52279	0.55878	0.60749	0.66715
160160.60	0.32545	0.34051	0.37548	0.41683	0.46239	0.51013	0.56064	0.62311	0.69643
160110.60	0.30381	0.33312	0.37110	0.41806	0.46302	0.51814	0.57948	0.65008	0.73477
160060.60	0.31426	0.35274	0.39832	0.44977	0.49459	0.54971	0.61746	0.69887	0.79405
160010.60	0.35355	0.39045	0.43546	0.48892	0.54169	0.60079	0.67581	0.76448	0.86770
159960.60	0.38777	0.42498	0.46524	0.51655	0.58155	0.64843	0.72250	0.81733	0.92926
159910.60	0.38352	0.41162	0.45725	0.51134	0.58321	0.65894	0.73059	0.83154	0.95496
159860.60	0.36202	0.38222	0.43079	0.48940	0.56753	0.65648	0.73440	0.84486	0.98344
159810.60	0.34713	0.37223	0.41885	0.48001	0.55782	0.65129	0.74233	0.86356	1.02214
159760.60	0.34362	0.37742	0.42519	0.48712	0.55955	0.65040	0.75543	0.88910	1.06863
159710.60	0.35080	0.38623	0.43458	0.49367	0.56187	0.65064	0.76591	0.91374	1.11228
159660.60	0.36443	0.39910	0.44492	0.50152	0.56485	0.65167	0.77162	0.93238	1.14703
159610.60	0.37852	0.41388	0.45478	0.50504	0.56705	0.64972	0.76796	0.93455	1.16292
159560.60	0.39421	0.43039	0.47116	0.51800	0.57554	0.65118	0.76020	0.92295	1.15910
159510.60	0.41024	0.44832	0.49074	0.53849	0.59271	0.65941	0.75247	0.89998	1.13454
159460.60	0.42388	0.46511	0.51002	0.55872	0.61241	0.67335	0.74935	0.86774	1.08635
159410.60	0.43192	0.47596	0.52435	0.57592	0.63035	0.68890	0.75457	0.84172	1.01828
159360.60	0.43556	0.48091	0.53110	0.58505	0.64185	0.70133	0.76305	0.83387	0.95279
159310.60	0.43429	0.48049	0.53021	0.58408	0.64107	0.70100	0.76350	0.83572	0.93383
159260.60	0.42603	0.47069	0.51849	0.56984	0.62371	0.67934	0.73836	0.81100	0.90937
159210.60	0.41118	0.45155	0.49510	0.54076	0.58745	0.63480	0.68225	0.72451	0.80584
159160.60	0.39397	0.43233	0.47302	0.51629	0.56024	0.60579	0.64044	0.67566	0.74653
159110.60	0.37845	0.41491	0.45381	0.49499	0.53926	0.58215	0.61861	0.66234	0.71524
159060.60	0.36688	0.40202	0.43990	0.47972	0.51992	0.55942	0.59909	0.63862	0.65636
159010.60	0.35811	0.39194	0.42782	0.46509	0.50357	0.54356	0.58242	0.60798	0.61458
158960.60	0.34774	0.37890	0.41233	0.44840	0.48738	0.52672	0.55879	0.57466	0.58387
158910.60	0.33482	0.36421	0.39686	0.43270	0.46990	0.50351	0.52642	0.53795	0.55326
158860.60	0.32172	0.35062	0.38246	0.41586	0.44761	0.47279	0.48839	0.49956	0.52046
158810.60	0.31010	0.33783	0.36704	0.39551	0.41995	0.43738	0.44876	0.46192	0.48613
158760.60	0.29908	0.32421	0.34903	0.37136	0.38881	0.40081	0.41093	0.42652	0.45155
158710.60	0.28735	0.30867	0.32841	0.34475	0.35671	0.36583	0.37647	0.39385	0.41781
158660.60	0.27413	0.29125	0.30606	0.31749	0.32596	0.33404	0.34575	0.36376	0.38564
158610.60	0.25947	0.27260	0.28321	0.29117	0.29787	0.30606	0.31861	0.33613	0.35555
158560.60	0.24386	0.25354	0.26099	0.26686	0.27300	0.28170	0.29461	0.31090	0.32775
158510.60	0.22794	0.23483	0.24018	0.24510	0.25132	0.26050	0.27322	0.28794	0.30245
158460.60	0.21225	0.21714	0.22130	0.22597	0.23253	0.24198	0.25405	0.26708	0.27952
158410.60	0.19724	0.20090	0.20454	0.20933	0.21622	0.22564	0.23677	0.24819	0.25886

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   158360.60 |       0.18324      0.18626      0.18984      0.19490      0.20201      0.21110      0.22114
0.23110      0.24024
   158310.60 |       0.17042      0.17324      0.17699      0.18230      0.18946      0.19802      0.20699
0.21566      0.22353
```

**MODELOPTs: RegDFAULT CONC ELEV RURAL VectorWS

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): G1000 , G2000 , B10 , B50 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)							
	741108.38	741158.38	741208.38	741258.38	741308.38	741358.38	741408.38	741458.38	741508.38
160260.60	0.77393	0.89014	0.96127	1.01308	1.12064	1.22323	1.19741	1.09890	0.94420
160210.60	0.74036	0.82311	0.89911	0.97097	1.05673	1.13245	1.11859	1.05185	0.95044
160160.60	0.77627	0.85444	0.93012	0.99865	1.06401	1.10949	1.09633	1.04726	0.97078
160110.60	0.82146	0.90648	0.98675	1.05750	1.11406	1.14267	1.13069	1.08052	0.98784
160060.60	0.89322	0.98929	1.07556	1.14835	1.19919	1.21429	1.18912	1.10729	0.98191
160010.60	0.98147	1.08703	1.18185	1.25762	1.29569	1.28969	1.22802	1.09965	0.95071
159960.60	1.04703	1.14865	1.26233	1.35383	1.37475	1.33775	1.24638	1.09389	0.92938
159910.60	1.08476	1.19779	1.32951	1.44102	1.43820	1.37280	1.25894	1.08668	0.90601
159860.60	1.13119	1.26427	1.40179	1.50607	1.50269	1.43358	1.28260	1.08593	0.87961
159810.60	1.19384	1.35394	1.49931	1.58726	1.58053	1.49066	1.29613	1.07522	0.83830
159760.60	1.27018	1.46409	1.62909	1.70818	1.67993	1.54010	1.30154	1.04339	0.78283
159710.60	1.34891	1.58704	1.78840	1.87005	1.80460	1.58811	1.29107	0.98509	0.71354
159660.60	1.42319	1.71828	1.97336	2.06228	1.93372	1.62097	1.24974	0.90370	0.63753
159610.60	1.47847	1.84795	2.17377	2.26342	2.04221	1.61523	1.16861	0.80665	0.56346
159560.60	1.50805	1.96633	2.39010	2.46440	2.09228	1.53424	1.03960	0.69835	0.49429
159510.60	1.50743	2.07040	2.62489	2.62428	2.01972	1.34920	0.87107	0.58949	0.42970
159460.60	1.47966	2.17959	2.90352	2.64918	1.73043	1.05908	0.68578	0.48718	0.37455
159410.60	1.43779	2.36435	3.33211	2.37802	1.21009	0.73134	0.51553	0.40331	0.33988
159360.60	1.35181	2.68572	3.95403	1.62630	0.68476	0.47628	0.39783	0.35943	0.33094
159310.60	1.14392	2.64729	3.49726	0.68895	0.41047	0.36060	0.35628	0.35636	0.34753
159260.60	0.95406	0.34248	0.31419	0.42737	0.39019	0.38303	0.39986	0.41774	0.41794
159210.60	0.73667	0.12898	0.42924	1.69891	1.04655	0.73038	0.65251	0.62780	0.59172
159160.60	0.80828	0.68964	1.20883	1.98027	1.94206	1.42333	1.13330	0.95723	0.84755
159110.60	0.72300	0.81682	1.06974	1.40368	1.49031	1.45166	1.32861	1.19586	1.07472
159060.60	0.67072	0.75820	0.88838	1.06041	1.19697	1.22568	1.23837	1.22212	1.16414
159010.60	0.64296	0.70278	0.78827	0.89430	1.02350	1.09214	1.11455	1.12490	1.11522
158960.60	0.61615	0.66093	0.72622	0.80184	0.90056	0.98176	1.01438	1.02064	1.01536
158910.60	0.58678	0.62524	0.67830	0.73654	0.80664	0.88016	0.92070	0.92979	0.92092
158860.60	0.55359	0.58811	0.63214	0.67843	0.72839	0.78668	0.82800	0.84226	0.83724
158810.60	0.51727	0.54804	0.58475	0.62221	0.65891	0.70217	0.73971	0.75780	0.75860
158760.60	0.47951	0.50638	0.53699	0.56772	0.59608	0.62762	0.65921	0.67905	0.68472
158710.60	0.44222	0.46533	0.49091	0.51642	0.53941	0.56287	0.58818	0.60781	0.61686
158660.60	0.40667	0.42646	0.44792	0.46929	0.48866	0.50677	0.52650	0.54473	0.55565
158610.60	0.37349	0.39041	0.40856	0.42670	0.44350	0.45825	0.47359	0.48933	0.50109
158560.60	0.34296	0.35741	0.37289	0.38846	0.40332	0.41595	0.42816	0.44125	0.45296
158510.60	0.31536	0.32774	0.34104	0.35456	0.36788	0.37916	0.38922	0.39988	0.41069
158460.60	0.29050	0.30118	0.31275	0.32463	0.33666	0.34701	0.35558	0.36431	0.37381
158410.60	0.26824	0.27754	0.28771	0.29824	0.30914	0.31881	0.32643	0.33371	0.34177

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   158360.60 |       0.24830      0.25646      0.26550      0.27491      0.28482      0.29393      0.30090
0.30707      0.31380
   158310.60 |       0.23049      0.23771      0.24580      0.25427      0.26330      0.27191      0.27850
0.28387      0.28948
```

**MODELOPTs: RegDFAULT CONC ELEV RURAL VectorWS

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): G1000 , G2000 , B10 , B50 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)							
	741558.38	741608.38	741658.38	741708.38	741758.38	741808.38	741858.38	741908.38	741958.38
160260.60	0.85945	0.78170	0.68853	0.58916	0.49959	0.42129	0.34076	0.28510	0.24865
160210.60	0.86389	0.76631	0.66290	0.56035	0.46711	0.38915	0.33310	0.29032	0.25326
160160.60	0.86772	0.75398	0.64300	0.53876	0.44891	0.37746	0.31515	0.25693	0.22311
160110.60	0.86585	0.72925	0.60212	0.49537	0.40741	0.33714	0.26755	0.21068	0.18092
160060.60	0.83969	0.69112	0.55613	0.44585	0.35840	0.29060	0.23176	0.18872	0.16194
160010.60	0.79934	0.64548	0.50838	0.40043	0.31778	0.25587	0.20879	0.17458	0.14981
159960.60	0.76581	0.60452	0.47116	0.36870	0.29198	0.23610	0.19462	0.16425	0.14205
159910.60	0.72671	0.56230	0.43367	0.33756	0.26836	0.21860	0.18211	0.15551	0.13561
159860.60	0.68164	0.52111	0.39796	0.30929	0.24738	0.20351	0.17183	0.14826	0.13013
159810.60	0.63133	0.47473	0.36206	0.28377	0.22945	0.19110	0.16318	0.14197	0.12566
159760.60	0.57543	0.42725	0.32829	0.26166	0.21458	0.18083	0.15598	0.13734	0.12321
159710.60	0.51662	0.38566	0.30036	0.24266	0.20192	0.17258	0.15111	0.13536	0.12296
159660.60	0.46199	0.35113	0.27807	0.22757	0.19234	0.16759	0.14934	0.13531	0.12340
159610.60	0.41439	0.32122	0.25923	0.21649	0.18699	0.16579	0.14929	0.13550	0.12347
159560.60	0.37235	0.29511	0.24442	0.21042	0.18550	0.16571	0.14950	0.13588	0.12464
159510.60	0.33434	0.27508	0.23588	0.20770	0.18527	0.16670	0.15114	0.13802	0.12729
159460.60	0.30819	0.26547	0.23410	0.20924	0.18869	0.17125	0.15603	0.14284	0.13207
159410.60	0.29782	0.26515	0.23857	0.21647	0.19690	0.17995	0.16458	0.15102	0.14015
159360.60	0.30402	0.27616	0.25114	0.23003	0.21123	0.19483	0.17914	0.16503	0.15375
159310.60	0.32917	0.30537	0.28171	0.26001	0.23948	0.22098	0.20342	0.18788	0.17517
159260.60	0.40086	0.37363	0.34353	0.31464	0.28761	0.26321	0.24073	0.22082	0.20471
159210.60	0.54496	0.49387	0.44435	0.39877	0.35820	0.32302	0.29178	0.26399	0.24279
159160.60	0.74933	0.66072	0.58158	0.51280	0.45263	0.40173	0.35897	0.32281	0.29028
159110.60	0.95786	0.84320	0.73678	0.64389	0.56353	0.49591	0.43893	0.39090	0.34886
159060.60	1.07624	0.97155	0.86426	0.76302	0.67230	0.59292	0.52425	0.46565	0.41514
159010.60	1.07378	1.00535	0.92281	0.83594	0.75145	0.67170	0.59985	0.53600	0.47971
158960.60	0.99582	0.95905	0.90772	0.84708	0.78141	0.71433	0.64972	0.58846	0.53242
158910.60	0.90358	0.87956	0.84835	0.81048	0.76576	0.71716	0.66646	0.61524	0.56566
158860.60	0.82114	0.80040	0.77732	0.75121	0.72196	0.68967	0.65378	0.61573	0.57655
158810.60	0.74816	0.73099	0.71104	0.69004	0.66855	0.64600	0.62194	0.59575	0.56760
158760.60	0.68033	0.66900	0.65283	0.63505	0.61696	0.59916	0.58167	0.56369	0.54469
158710.60	0.61699	0.61114	0.60068	0.58650	0.57104	0.55590	0.54124	0.52754	0.51421
158660.60	0.55900	0.55713	0.55168	0.54260	0.53062	0.51740	0.50463	0.49287	0.48178
158610.60	0.50666	0.50764	0.50568	0.50133	0.49369	0.48342	0.47232	0.46143	0.45145
158560.60	0.46006	0.46303	0.46349	0.46216	0.45875	0.45232	0.44333	0.43358	0.42444
158510.60	0.41881	0.42324	0.42534	0.42596	0.42519	0.42229	0.41660	0.40888	0.40068
158460.60	0.38235	0.38792	0.39107	0.39283	0.39359	0.39323	0.39093	0.38614	0.37957
158410.60	0.35000	0.35634	0.36027	0.36285	0.36467	0.36582	0.36594	0.36415	0.35992

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   158360.60 |       0.32131      0.32806      0.33277      0.33597      0.33853      0.34060      0.34206
0.34233      0.34059
   158310.60 |       0.29602      0.30278      0.30818      0.31197      0.31499      0.31759      0.31964
0.32109      0.32143
```

**MODELOPTs: RegDFAULT CONC ELEV RURAL VectorWS

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
***

INCLUDING SOURCE(S): G1000 , G2000 , B10 , B50 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS) 742008.38	742058.38	742108.38	742158.38
160260.60	0.22380	0.20462	0.18393	0.16289
160210.60	0.22352	0.19427	0.16449	0.14247
160160.60	0.19668	0.16960	0.14548	0.12419
160110.60	0.15876	0.14420	0.12994	0.11087
160060.60	0.14191	0.12658	0.11382	0.10083
160010.60	0.13137	0.11682	0.10503	0.09475
159960.60	0.12538	0.11185	0.10093	0.09214
159910.60	0.12023	0.10766	0.09780	0.09042
159860.60	0.11591	0.10484	0.09639	0.08965
159810.60	0.11326	0.10397	0.09679	0.09025
159760.60	0.11251	0.10434	0.09744	0.09025
159710.60	0.11292	0.10468	0.09714	0.08938
159660.60	0.11287	0.10408	0.09623	0.08881
159610.60	0.11304	0.10408	0.09638	0.08953
159560.60	0.11503	0.10588	0.09823	0.09159
159510.60	0.11813	0.10908	0.10135	0.09451
159460.60	0.12298	0.11395	0.10613	0.09913
159410.60	0.13090	0.12204	0.11400	0.10653
159360.60	0.14405	0.13499	0.12650	0.11798
159310.60	0.16415	0.15392	0.14427	0.13386
159260.60	0.19092	0.17731	0.16518	0.15331
159210.60	0.22184	0.20343	0.18762	0.17509
159160.60	0.26187	0.23792	0.21755	0.20032
159110.60	0.31346	0.28335	0.25761	0.23547
159060.60	0.37210	0.33540	0.30400	0.27663
159010.60	0.43092	0.38876	0.35226	0.32016
158960.60	0.48213	0.43749	0.39785	0.36252
158910.60	0.51897	0.47585	0.43605	0.39987
158860.60	0.53758	0.49960	0.46294	0.42863
158810.60	0.53810	0.50742	0.47663	0.44658
158760.60	0.52389	0.50114	0.47737	0.45305
158710.60	0.49986	0.48430	0.46738	0.44909
158660.60	0.47129	0.46082	0.44953	0.43685
158610.60	0.44265	0.43477	0.42701	0.41869
158560.60	0.41638	0.40939	0.40322	0.39731
158510.60	0.39306	0.38635	0.38053	0.37560
158460.60	0.37248	0.36579	0.36006	0.35540
158410.60	0.35396	0.34768	0.34202	0.33733
158360.60	0.33674	0.33158	0.32621	0.32144
158310.60	0.31997	0.31663	0.31215	0.30748

**MODELOPTs: RegDFAULT CONC ELEV RURAL VectorWS

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): G1000 , G2000 , B10 , B50 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
741140.32	159424.33	1.92934	741397.82	159385.75	0.47042
741325.15	159244.89	0.45190	741167.24	159587.63	1.97748
741467.81	159444.07	0.43354	740859.49	159531.10	0.58639
740764.38	159464.71	0.51418			

**MODELOPTs: RegDFAULT CONC ELEV RURAL VectorWS

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): G1000 , G2000 , B10 , B50 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)				
	740208.38	740258.38	740308.38	740358.38	740408.38
160260.6	106.26193 (18040919)	99.18041 (18110521)	113.00206 (18120420)	114.64714 (18120420)	94.64626 (18120420)
160210.6	78.45313 (18040919)	77.73769 (18040919)	73.38692 (18110521)	70.26449 (18110521)	75.45594 (18120420)
160160.6	55.62058 (18052202)	49.03399 (18052202)	49.24234 (18040919)	49.76347 (18040919)	47.26905 (18110521)
160110.6	31.81122 (18110520)	24.23300 (18040920)	26.71772 (18052202)	27.73368 (18040919)	31.85053 (18040919)
160060.6	13.07851 (18040917)	11.37328 (18040917)	16.43469 (18040920)	18.58183 (18052202)	12.92327 (18040919)
160010.6	16.12440 (18042722)	17.23800 (18050422)	10.89113 (18040917)	11.34264 (18100819)	16.24077 (18110604)
159960.6	30.05543 (18042722)	31.49315 (18042722)	28.39811 (18050422)	29.15738 (18050422)	35.07566 (18110604)
159910.6	35.75111 (18110419)	37.13186 (18040721)	39.82773 (18040721)	39.10656 (18040721)	38.01388 (18050422)
159860.6	25.77485 (18101217)	22.66507 (18101217)	25.05263 (18040721)	26.84696 (18040721)	24.64969 (18040721)
159810.6	13.95094 (18110320)	11.92608 (18110320)	11.94307 (18040720)	11.74874 (18061318)	11.44252 (18100719)
159760.6	8.58827 (18100718)	10.01172 (18040719)	11.09385 (18010218)	10.00724 (18010219)	9.65917 (18061317)
159710.6	8.68590 (18100718)	9.27601 (18100718)	8.01866 (18100718)	9.84423 (18010218)	9.45563 (18010218)
159660.6	7.33453 (18010718)	7.15583 (18010718)	7.62084 (18100718)	8.19760 (18100718)	7.77977 (18050317)
159610.6	6.37741 (18040904)	6.84306 (18102017)	7.14498 (18102017)	7.19213 (18010718)	7.50207 (18050317)
159560.6	5.92373 (18110517)	6.09860 (18110317)	6.56389 (18102017)	7.42300 (18102017)	7.95146 (18102017)
159510.6	5.83167 (18052220)	6.03887 (18100716)	6.49869 (18100716)	6.89302 (18110317)	7.19156 (18110317)
159460.6	7.57227 (18040718)	7.54783 (18040718)	7.33141 (18040718)	6.95321 (18052220)	7.18631 (18042815)
159410.6	7.14857 (18010816)	7.15442 (18010816)	7.48240 (18040718)	7.96594 (18040718)	8.26919 (18040718)
159360.6	7.44002 (18111517)	7.77717 (18111517)	8.08757 (18111517)	8.41691 (18010816)	8.70572 (18010816)
159310.6	6.46198 (18041218)	6.59390 (18041218)	6.83748 (18111517)	7.41088 (18111517)	8.01061 (18111517)
159260.6	7.13611 (18101416)	7.21604 (18101416)	7.31796 (18101416)	7.42312 (18101416)	7.67944 (18052303)
159210.6	8.10260 (18051917)	8.21097 (18051917)	8.41799 (18051917)	8.64297 (18051917)	8.71201 (18010516)
159160.6	6.92688 (18052018)	6.96676 (18052018)	6.99630 (18010516)	7.18777 (18022115)	7.60978 (18022115)
159110.6	5.84569 (18041915)	6.22083 (18120315)	6.64360 (18120315)	7.08220 (18120315)	7.52809 (18120315)
159060.6	6.22877 (18120315)	6.58781 (18120315)	6.94890 (18120315)	7.30167 (18120315)	7.63090 (18120315)
159010.6	6.60808 (18021918)	6.36235 (18021918)	6.50927 (18120315)	6.77593 (18010607)	7.40124 (18010705)
158960.6	6.33193 (18030317)	6.93521 (18030317)	7.34418 (18030317)	7.71898 (18010705)	8.17739 (18010705)
158910.6	7.11339 (18030317)	7.01212 (18010705)	7.27651 (18010705)	7.40380 (18010705)	7.34265 (18010705)
158860.6	6.36486 (18010705)	6.37860 (18010705)	6.47672 (18121115)	7.11720 (18121115)	7.79098 (18010706)
158810.6	5.80040 (18121115)	6.31840 (18121115)	6.78844 (18121115)	7.17697 (18121115)	7.47339 (18010706)
158760.6	5.95671 (18121115)	6.27819 (18121115)	6.50119 (18121115)	6.72983 (18120215)	7.40784 (18030505)
158710.6	5.73399 (18120215)	5.97095 (18120215)	6.60283 (18030505)	7.06569 (18030505)	7.23047 (18030505)
158660.6	5.89458 (18030505)	6.33852 (18030505)	6.57750 (18030505)	6.53335 (18030505)	7.17310 (18031105)
158610.6	5.95642 (18030505)	6.02030 (18030505)	6.25451 (18031105)	6.77604 (18031105)	6.98777 (18031105)
158560.6	5.44662 (18030505)	5.98593 (18031105)	6.33839 (18031105)	6.40673 (18031105)	6.12889 (18112815)
158510.6	5.67165 (18031105)	5.89007 (18031105)	5.85483 (18031105)	5.73880 (18112815)	6.04971 (18112815)
158460.6	5.77460 (18120520)	5.65896 (18041102)	5.46686 (18030119)	5.71411 (18030405)	6.08514 (18121205)
158410.6	5.80723 (18041102)	5.58331 (18030119)	5.63048 (18113018)	5.66355 (18121205)	6.22882 (18121205)

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  158360.6 |      5.65527 (18030119)      5.82811 (18113018)      5.60243 (18041401)      5.76744 (18121205)
6.51264 (18041917)
  158310.6 |      5.99152 (18113018)      5.75751 (18041401)      5.73620 (18041401)      6.17037 (18041917)
6.65561 (18120319)
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**MODELOPTs: RegDFAULT CONC ELEV RURAL VectorWS

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): G1000 , G2000 , B10 , B50 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)				
	740458.38	740508.38	740558.38	740608.38	740658.38
160260.6	88.19303 (18062819)	90.53428 (18062819)	80.93122 (18062821)	76.37896 (18052123)	67.16236 (18050119)
160210.6	70.68778 (18120420)	58.35660 (18062819)	61.34653 (18062819)	51.80279 (18062819)	40.08850 (18052123)
160160.6	51.05801 (18120420)	49.89823 (18120420)	34.41602 (18120420)	32.00304 (18062819)	20.95756 (18062821)
160110.6	29.57755 (18110521)	30.63616 (18120420)	24.07036 (18120420)	16.25019 (18052117)	12.54151 (18010922)
160060.6	17.28012 (18111302)	22.28398 (18111302)	25.01969 (18111302)	24.14847 (18111302)	23.32785 (18010922)
160010.6	23.88568 (18050421)	31.42318 (18111520)	34.63838 (18110601)	35.26319 (18110601)	39.13574 (18052901)
159960.6	40.40557 (18052824)	40.97904 (18050421)	42.00392 (18111520)	45.77538 (18041301)	46.03925 (18100721)
159910.6	33.13842 (18110604)	24.23413 (18110521)	27.07794 (18050421)	35.92248 (18110603)	37.45098 (18041301)
159860.6	18.87779 (18050422)	14.67950 (18041224)	18.89611 (18110521)	24.20749 (18100720)	18.69562 (18041301)
159810.6	11.95277 (18040917)	11.82865 (18102018)	11.03010 (18052202)	13.11274 (18040919)	12.93707 (18050220)
159760.6	9.56588 (18011316)	11.75892 (18040917)	9.76208 (18010917)	9.61727 (18111216)	8.77221 (18011317)
159710.6	8.01163 (18061316)	8.53919 (18011316)	10.20238 (18040917)	8.55876 (18111216)	9.73262 (18111216)
159660.6	8.52115 (18010218)	8.07136 (18061316)	8.66737 (18061316)	9.04868 (18050418)	9.14110 (18050418)
159610.6	8.40269 (18050317)	8.29206 (18050317)	7.94444 (18020917)	9.08552 (18061316)	8.78628 (18062817)
159560.6	7.93084 (18102017)	8.18654 (18050317)	9.10290 (18050317)	8.67686 (18050317)	9.25128 (18020917)
159510.6	7.98307 (18102017)	8.80836 (18102017)	8.97270 (18102017)	8.78993 (18050317)	9.73097 (18050317)
159460.6	7.76124 (18100716)	8.27809 (18110317)	8.55096 (18110317)	9.51643 (18102017)	10.01722 (18102017)
159410.6	8.02838 (18040718)	8.43377 (18052220)	8.81402 (18041217)	9.45690 (18052308)	10.47310 (18052308)
159360.6	8.83648 (18010816)	8.76271 (18010816)	9.05378 (18041317)	9.51045 (18041317)	10.27309 (18052309)
159310.6	8.53045 (18111517)	9.04174 (18042716)	9.58857 (18050917)	10.21844 (18052306)	11.13235 (18052306)
159260.6	8.15693 (18052303)	8.63642 (18052303)	9.11520 (18052303)	9.75338 (18052306)	10.79745 (18052306)
159210.6	9.00525 (18010516)	9.48170 (18010516)	10.08061 (18010516)	10.20928 (18010516)	10.54420 (18110208)
159160.6	8.05201 (18022115)	8.51181 (18022115)	9.00992 (18022115)	9.71836 (18030114)	10.43447 (18030114)
159110.6	7.98268 (18120315)	8.43253 (18120315)	9.33175 (18010607)	10.43971 (18010607)	11.65662 (18010607)
159060.6	8.08902 (18010607)	8.86844 (18010607)	9.69772 (18010607)	10.54981 (18010607)	11.37249 (18010607)
159010.6	8.16641 (18010705)	8.87666 (18010705)	9.44072 (18010705)	10.03070 (18010707)	11.29409 (18010707)
158960.6	8.48395 (18010705)	8.55509 (18010705)	9.46466 (18010706)	10.72156 (18010706)	11.83173 (18010706)
158910.6	8.21663 (18010706)	9.14013 (18010706)	9.95996 (18010706)	10.54034 (18010706)	10.70068 (18010706)
158860.6	8.39700 (18010706)	8.84580 (18010706)	9.03499 (18010706)	9.20995 (18030505)	9.98067 (18031107)
158810.6	7.64758 (18010706)	8.29604 (18030505)	8.64543 (18030505)	8.93019 (18031105)	9.86075 (18031106)
158760.6	7.85392 (18030505)	7.85720 (18030505)	8.62150 (18031105)	9.03922 (18031106)	9.88119 (18031106)
158710.6	7.48497 (18031105)	8.14181 (18031105)	8.25476 (18031105)	8.81704 (18031106)	8.94573 (18030406)
158660.6	7.57794 (18031105)	7.50027 (18031105)	7.86726 (18031106)	8.13580 (18121205)	9.40654 (18121205)
158610.6	6.78328 (18031105)	7.03234 (18031106)	7.57497 (18121205)	8.64505 (18121205)	8.97450 (18121205)
158560.6	6.52437 (18112815)	7.04204 (18121205)	7.94569 (18121205)	8.25510 (18121205)	7.95585 (18031206)
158510.6	6.54465 (18121205)	7.31291 (18121205)	7.59744 (18121205)	7.22933 (18121205)	7.64794 (18031205)
158460.6	6.74217 (18121205)	7.19926 (18041917)	7.15011 (18041917)	7.14236 (18031205)	7.13639 (18031205)
158410.6	6.85891 (18041917)	7.04015 (18041917)	6.64677 (18031205)	6.80422 (18031205)	6.71947 (18121015)

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  158360.6 |      6.86314 (18041917)      6.17475 (18031205)      6.74708 (18113020)      6.14617 (18121015)
6.58101 (18113023)
  158310.6 |      6.11534 (18041917)      6.56121 (18113020)      6.45150 (18113020)      6.14694 (18113023)
6.62271 (18113023)
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**MODELOPTs: RegDFAULT CONC ELEV RURAL VectorWS

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): G1000 , G2000 , B10 , B50 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)				
	740708.38	740758.38	740808.38	740858.38	740908.38
160260.6	61.86214 (18052124)	57.35443 (18062820)	46.70182 (18110104)	43.58643 (18043017)	40.51619 (18022521)
160210.6	28.44772 (18050119)	31.70010 (18052124)	33.30861 (18100821)	27.18757 (18110104)	21.22806 (18022521)
160160.6	13.18667 (18050717)	11.97827 (18050119)	13.41397 (18120620)	13.17125 (18051621)	12.01571 (18120621)
160110.6	17.93384 (18010922)	22.70546 (18011419)	24.76275 (18011419)	20.17558 (18052823)	19.91447 (18052822)
160060.6	30.18774 (18010922)	33.55172 (18011419)	37.74886 (18011419)	32.70491 (18120422)	33.96885 (18052823)
160010.6	41.14302 (18110523)	44.33503 (18110919)	46.44092 (18101102)	46.17323 (18120422)	47.45643 (18041304)
159960.6	46.77024 (18100721)	47.92403 (18110919)	45.96559 (18110919)	46.66509 (18052024)	50.68139 (18120422)
159910.6	32.38239 (18100721)	33.68015 (18110524)	35.47290 (18110919)	32.30174 (18022522)	35.76303 (18120422)
159860.6	15.05056 (18052117)	15.70794 (18062821)	17.66697 (18110524)	20.53651 (18110919)	21.50592 (18100823)
159810.6	10.77813 (18052117)	14.16578 (18052117)	14.73945 (18052718)	15.70782 (18051118)	17.75232 (18051621)
159760.6	11.32514 (18052717)	13.21172 (18052117)	16.29388 (18052118)	15.42814 (18052119)	17.45935 (18120620)
159710.6	8.85067 (18020414)	12.75297 (18052322)	16.60731 (18052117)	17.33472 (18052118)	13.43877 (18052119)
159660.6	10.22108 (18111216)	9.78858 (18052717)	14.03988 (18052322)	15.49403 (18052117)	12.97362 (18052119)
159610.6	9.76507 (18050418)	10.34910 (18111216)	10.28288 (18102417)	11.06943 (18100511)	12.89417 (18111306)
159560.6	10.01156 (18111307)	10.39834 (18111307)	10.80264 (18063010)	11.63448 (18100510)	12.63648 (18100511)
159510.6	10.43635 (18111307)	11.62761 (18111307)	12.33718 (18111307)	12.54922 (18063010)	13.51334 (18100510)
159460.6	10.14569 (18052307)	11.56445 (18111307)	13.32204 (18111307)	14.53028 (18111307)	14.52224 (18111307)
159410.6	11.40224 (18052308)	12.07555 (18052308)	12.95299 (18052307)	14.76785 (18111307)	16.73811 (18111307)
159360.6	11.45782 (18052308)	12.84568 (18052308)	14.00014 (18052308)	14.72674 (18052307)	16.26497 (18052307)
159310.6	12.06812 (18052306)	12.96893 (18052306)	13.73035 (18052306)	14.37008 (18052308)	15.50131 (18052308)
159260.6	11.95273 (18052306)	13.21870 (18052306)	14.56499 (18052306)	15.92338 (18052306)	17.13434 (18052306)
159210.6	11.63638 (18110208)	12.76019 (18110208)	13.85725 (18030508)	15.08450 (18030508)	15.91358 (18030508)
159160.6	11.34902 (18110209)	12.72960 (18010607)	14.35471 (18010607)	16.03575 (18010607)	17.40615 (18010607)
159110.6	12.96534 (18010607)	14.26448 (18010607)	15.39346 (18010607)	16.06369 (18010607)	16.09001 (18010707)
159060.6	12.07273 (18010607)	13.27573 (18010707)	14.82515 (18010707)	15.73778 (18010707)	15.68841 (18010706)
159010.6	12.48237 (18010707)	13.88148 (18010706)	14.64086 (18010706)	14.02875 (18010706)	14.81729 (18031107)
158960.6	12.55010 (18010706)	12.53883 (18010706)	13.36551 (18031107)	14.30222 (18031107)	15.38781 (18031106)
158910.6	10.92363 (18031107)	12.26506 (18031107)	13.27635 (18031106)	14.34960 (18031106)	14.80753 (18030406)
158860.6	10.87715 (18031107)	12.22096 (18031106)	12.93378 (18031106)	13.69163 (18121206)	14.80753 (18121206)
158810.6	11.03786 (18031106)	11.47559 (18031106)	12.37901 (18121206)	13.51623 (18121206)	13.35465 (18031206)
158760.6	10.12932 (18031106)	11.08037 (18121206)	12.12743 (18121206)	12.24748 (18031206)	12.54689 (18041406)
158710.6	10.21716 (18121205)	10.81028 (18121206)	11.05338 (18031206)	10.87200 (18041406)	12.05477 (18041406)
158660.6	9.74390 (18121205)	9.91252 (18031206)	9.78594 (18031206)	10.74316 (18041406)	10.84582 (18041406)
158610.6	8.87572 (18031206)	8.95177 (18031206)	9.45292 (18041406)	9.99395 (18041406)	9.80736 (18022307)
158560.6	8.14405 (18031206)	8.28430 (18041406)	9.03510 (18041406)	8.90751 (18041406)	9.39380 (18022307)
158510.6	7.47678 (18121015)	8.08754 (18041406)	8.28870 (18041406)	8.08235 (18022307)	8.72849 (18022307)
158460.6	7.29882 (18121015)	7.59583 (18041406)	7.37674 (18041406)	7.72702 (18022307)	7.93925 (18022307)
158410.6	6.90020 (18041406)	6.92659 (18041406)	6.71764 (18022307)	7.22122 (18022307)	7.48938 (18121315)

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  158360.6 |      6.42234 (18041406)      6.28954 (18010415)      6.42735 (18022307)      7.32416 (18040617)
7.05267 (18121315)
  158310.6 |      5.92256 (18010415)      6.65229 (18113024)      6.17594 (18121315)      7.41144 (18040617)
6.89051 (18120816)
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**MODELOPTs: RegDFAULT CONC ELEV RURAL VectorWS

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): G1000 , G2000 , B10 , B50 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)				
	740958.38	741008.38	741058.38	741108.38	741158.38
160260.6	28.84381 (18100822)	24.72806 (18100704)	18.75143 (18061321)	20.73805 (18051704)	30.91753 (18100522)
160210.6	15.39481 (18120916)	11.67858 (18051603)	15.31030 (18022321)	17.31031 (18050320)	15.46572 (18111018)
160160.6	13.03133 (18110423)	17.27940 (18052903)	21.03133 (18052903)	24.12205 (18050320)	22.39711 (18111018)
160110.6	19.94759 (18110423)	22.61866 (18052903)	26.52360 (18052903)	29.56011 (18050320)	27.91107 (18111018)
160060.6	33.77464 (18110423)	36.99437 (18110423)	40.66114 (18022321)	43.98637 (18050320)	45.53809 (18050321)
160010.6	49.46436 (18062822)	49.41455 (18110423)	52.08758 (18100824)	52.73676 (18100722)	50.39088 (18101724)
159960.6	48.82709 (18062822)	47.07273 (18042020)	44.84887 (18100824)	41.33300 (18100722)	36.05735 (18101724)
159910.6	29.67817 (18041304)	26.06203 (18042020)	22.94226 (18100824)	20.75950 (18100722)	18.57504 (18101721)
159860.6	17.79544 (18052121)	17.09419 (18051603)	17.91714 (18051702)	17.94357 (18051602)	17.67581 (18110221)
159810.6	17.56842 (18120621)	13.04742 (18051817)	15.66428 (18051702)	15.90816 (18120622)	15.94673 (18110221)
159760.6	15.65122 (18051619)	11.48988 (18112116)	14.38276 (18101718)	14.60098 (18120622)	14.71421 (18110221)
159710.6	14.39705 (18051621)	12.33901 (18052406)	13.48967 (18051603)	13.41613 (18061908)	14.13313 (18062006)
159660.6	12.39087 (18120620)	13.09213 (18052108)	13.56293 (18062008)	14.69327 (18061908)	15.18934 (18062006)
159610.6	13.43586 (18111306)	14.07934 (18052108)	14.79868 (18052406)	15.63061 (18061908)	16.00948 (18062307)
159560.6	14.56286 (18111306)	15.30597 (18082809)	16.05809 (18052108)	16.44283 (18062008)	17.13016 (18093007)
159510.6	14.17416 (18061110)	16.21628 (18093010)	16.77502 (18093009)	17.78735 (18100408)	18.37910 (18093007)
159460.6	15.35206 (18100510)	15.80590 (18061110)	17.75020 (18082809)	18.87096 (18093008)	18.51365 (18093007)
159410.6	17.00409 (18111307)	17.29360 (18063009)	18.64121 (18051716)	21.08759 (18061217)	22.18831 (18091618)
159360.6	18.13819 (18111307)	18.92028 (18111307)	20.52235 (18101816)	26.28640 (18100516)	28.78405 (18092717)
159310.6	17.13988 (18052307)	18.46385 (18052307)	20.07684 (18111307)	21.67084 (18022516)	37.03886 (18082616)
159260.6	17.99754 (18052306)	18.90730 (18052306)	19.08451 (18052306)	18.82434 (18051409)	10.30442 (18100706)
159210.6	17.98978 (18041117)	22.11304 (18041116)	26.44038 (18041116)	21.33633 (18010704)	6.44017 (18041307)
159160.6	17.61049 (18010607)	19.62529 (18021916)	23.97344 (18010703)	28.95592 (18031216)	28.23731 (18121017)
159110.6	16.05257 (18010707)	17.54720 (18031104)	20.72481 (18112916)	23.79436 (18031203)	25.97491 (18022302)
159060.6	15.05988 (18030408)	15.84776 (18041107)	17.37398 (18011117)	19.38176 (18032416)	20.23189 (18112824)
159010.6	15.35454 (18031106)	16.00416 (18030407)	15.53066 (18052608)	15.69828 (18030216)	16.20809 (18112824)
158960.6	15.59997 (18030407)	15.31484 (18041408)	16.57860 (18041407)	15.32126 (18010408)	14.84728 (18120708)
158910.6	15.40597 (18121206)	15.58490 (18041407)	16.28823 (18041407)	15.03723 (18022307)	14.42190 (18121506)
158860.6	14.05497 (18031206)	15.60184 (18041407)	15.87196 (18022307)	14.74698 (18121506)	14.56618 (18112907)
158810.6	14.21807 (18041406)	14.10565 (18041407)	15.04407 (18022307)	15.24720 (18031406)	14.56103 (18022306)
158760.6	13.16084 (18041406)	13.92918 (18022307)	13.31673 (18022307)	14.83031 (18031406)	13.98237 (18121507)
158710.6	11.90236 (18022307)	12.90891 (18022307)	12.74280 (18031406)	14.15327 (18022306)	13.20290 (18121507)
158660.6	11.49501 (18022307)	11.46793 (18022307)	12.55088 (18031406)	13.20807 (18022306)	12.25935 (18121507)
158610.6	10.63220 (18022307)	10.03165 (18031406)	11.94154 (18031406)	12.09079 (18022306)	11.38422 (18112906)
158560.6	9.55762 (18022307)	10.03223 (18031406)	11.10618 (18031406)	10.93975 (18022306)	10.55485 (18112906)
158510.6	8.43104 (18022307)	9.74232 (18031406)	10.38583 (18022306)	9.99694 (18121505)	9.75816 (18112906)
158460.6	7.93412 (18031406)	9.27005 (18031406)	9.63642 (18022306)	9.41712 (18121505)	9.01156 (18112906)
158410.6	7.83510 (18031406)	8.69557 (18031406)	8.93518 (18022305)	8.81152 (18121505)	8.32218 (18112906)

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  158360.6 |      7.59451 (18031406)      8.07650 (18031406)      8.55632 (18022305)      8.20911 (18121505)
7.69126 (18112906)
  158310.6 |      7.26079 (18031406)      7.55314 (18022306)      8.11125 (18022305)      7.62754 (18121505)
7.32671 (18031405)
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**MODELOPTs: RegDFAULT CONC ELEV RURAL VectorWS

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): G1000 , G2000 , B10 , B50 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)				
	741208.38	741258.38	741308.38	741358.38	741408.38
160260.6	28.47835 (18100703)	25.32576 (18101720)	29.43790 (18102404)	34.62874 (18102421)	27.81429 (18111003)
160210.6	15.83346 (18111018)	13.45505 (18111018)	13.86787 (18052422)	16.51293 (18120624)	13.93369 (18103122)
160160.6	22.84606 (18111018)	19.71655 (18110923)	19.81816 (18110421)	18.79513 (18110924)	23.02981 (18052820)
160110.6	30.40796 (18111018)	29.27461 (18110923)	32.25229 (18110503)	33.24408 (18011420)	39.95496 (18052820)
160060.6	46.05420 (18111001)	44.82497 (18110923)	46.23549 (18110503)	46.16679 (18010819)	48.65662 (18100603)
160010.6	47.27518 (18111001)	51.17172 (18101723)	50.10263 (18100602)	48.27205 (18100603)	42.54996 (18100603)
159960.6	38.23642 (18100601)	48.04226 (18101723)	43.96993 (18100602)	38.38426 (18100603)	31.68065 (18101722)
159910.6	24.85256 (18100523)	36.82272 (18101723)	30.66766 (18100602)	23.30001 (18100603)	21.24113 (18101722)
159860.6	17.67769 (18052423)	19.02072 (18082520)	18.90161 (18100624)	18.58466 (18020319)	17.31460 (18102321)
159810.6	16.22756 (18061803)	17.97153 (18103122)	18.51389 (18111420)	18.96936 (18060324)	15.96817 (18062204)
159760.6	13.95795 (18061803)	13.44558 (18092606)	15.54095 (18103123)	17.36759 (18011718)	15.50103 (18051120)
159710.6	14.45399 (18062406)	14.55425 (18092606)	14.54861 (18071506)	14.52832 (18072506)	14.34538 (18052723)
159660.6	15.49501 (18062007)	15.76487 (18061907)	15.68038 (18072507)	15.69896 (18100306)	15.41041 (18092006)
159610.6	16.69157 (18062007)	16.78472 (18080507)	16.80843 (18100107)	16.93339 (18072607)	16.45906 (18072707)
159560.6	17.47044 (18062007)	17.68561 (18082707)	17.91331 (18072107)	18.06200 (18072807)	17.51484 (18081107)
159510.6	17.83877 (18091808)	18.23860 (18091807)	19.03736 (18100407)	18.55397 (18062207)	18.02137 (18090707)
159460.6	18.09600 (18091808)	18.03055 (18091807)	18.37585 (18100407)	18.76797 (18101907)	18.45320 (18082407)
159410.6	21.99857 (18090820)	20.58235 (18090621)	18.28819 (18070423)	17.81485 (18082907)	18.18610 (18052807)
159360.6	28.75814 (18080216)	25.38598 (18090604)	21.78857 (18070501)	17.46467 (18070603)	17.02491 (18062107)
159310.6	37.02121 (18080201)	30.64097 (18072224)	24.51428 (18070504)	18.38905 (18070502)	14.81264 (18060201)
159260.6	13.04691 (18042821)	22.29923 (18070503)	24.01120 (18112003)	21.63980 (18112003)	17.25089 (18020616)
159210.6	19.09679 (18021205)	37.47075 (18021405)	28.23510 (18021316)	21.59103 (18011621)	17.36088 (18040418)
159160.6	31.43983 (18032116)	30.03881 (18013005)	25.45648 (18032920)	20.70426 (18111916)	16.72337 (18041619)
159110.6	26.30179 (18021016)	23.34972 (18032019)	20.28841 (18112223)	17.28307 (18122119)	14.62049 (18121520)
159060.6	20.28132 (18031416)	18.94896 (18022705)	16.76696 (18021424)	14.77821 (18032218)	14.76277 (18030607)
159010.6	16.31971 (18021617)	15.52170 (18012616)	15.04414 (18050707)	14.05068 (18011807)	14.97431 (18021608)
158960.6	15.19386 (18021007)	14.74716 (18011907)	14.52699 (18050707)	14.90080 (18021609)	15.70771 (18021608)
158910.6	15.97250 (18021007)	15.34560 (18011907)	14.64245 (18112708)	15.07112 (18032407)	15.97724 (18112407)
158860.6	15.91834 (18021007)	15.59241 (18031407)	15.21111 (18112506)	15.18275 (18021807)	15.58227 (18020807)
158810.6	15.21208 (18021007)	15.52126 (18031407)	14.64962 (18112506)	14.74137 (18112507)	14.49132 (18020808)
158760.6	14.39364 (18110706)	14.83080 (18031407)	13.94246 (18123107)	14.35550 (18112506)	13.65663 (18032407)
158710.6	13.48923 (18110706)	13.84739 (18031407)	13.37462 (18123107)	13.70977 (18112506)	12.56668 (18112507)
158660.6	12.51382 (18110706)	12.82786 (18123106)	12.70562 (18123106)	12.68114 (18112506)	11.74585 (18112506)
158610.6	11.57961 (18022206)	11.80883 (18123106)	12.05133 (18123106)	11.50642 (18112506)	11.35716 (18112506)
158560.6	10.78707 (18022206)	10.82918 (18123106)	11.30075 (18123106)	10.69508 (18123105)	10.70958 (18112506)
158510.6	10.07840 (18031405)	9.91681 (18123106)	10.52387 (18123106)	10.06298 (18123105)	9.93465 (18112506)
158460.6	9.59767 (18031405)	9.15742 (18112905)	9.76166 (18123106)	9.34750 (18123105)	9.30026 (18123105)
158410.6	9.11302 (18031405)	8.69477 (18112905)	9.03655 (18123106)	8.61020 (18123105)	8.98671 (18123105)

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  158360.6 |      8.63745 (18031405)      8.24309 (18112905)      8.35947 (18123106)      7.88891 (18123105)
8.56250 (18123105)
  158310.6 |      8.17886 (18031405)      7.80897 (18112905)      7.73447 (18123106)      7.39821 (18123106)
8.07566 (18123105)
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**MODELOPTs: RegDFAULT CONC ELEV RURAL VectorWS

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): G1000 , G2000 , B10 , B50 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)				
	741458.38	741508.38	741558.38	741608.38	741658.38
160260.6	18.51130 (18052720)	18.73113 (18110501)	28.57015 (18110502)	23.41419 (18050322)	20.86822 (18050323)
160210.6	15.75112 (18052904)	30.46894 (18110501)	38.82742 (18101804)	38.93712 (18101803)	38.07158 (18050323)
160160.6	28.75941 (18052904)	39.28820 (18110502)	42.02121 (18101804)	41.41834 (18101803)	37.10079 (18110422)
160110.6	43.43973 (18101722)	45.34143 (18101804)	44.25898 (18101803)	33.61549 (18101803)	27.56471 (18022322)
160060.6	46.75285 (18101722)	42.81279 (18101804)	36.29231 (18101803)	22.74032 (18022322)	16.64992 (18022322)
160010.6	35.10611 (18101722)	29.57071 (18101803)	21.01972 (18101803)	13.56146 (18022322)	11.41559 (18080922)
159960.6	26.08375 (18101804)	20.38478 (18101803)	14.48041 (18060323)	12.33065 (18040321)	10.21557 (18042103)
159910.6	17.52274 (18101803)	15.67368 (18052723)	14.42228 (18080921)	10.93088 (18042103)	10.45207 (18102023)
159860.6	16.24690 (18052721)	15.80966 (18092221)	11.83353 (18040321)	11.54784 (18102023)	10.30482 (18083024)
159810.6	17.90245 (18052723)	14.70572 (18080921)	10.98517 (18060406)	10.99488 (18070304)	10.23740 (18090605)
159760.6	16.83749 (18092221)	12.44817 (18053106)	11.82923 (18080306)	11.40775 (18053105)	10.80768 (18070805)
159710.6	13.93796 (18060606)	13.31884 (18092706)	12.76512 (18090706)	11.90548 (18102706)	11.45031 (18070706)
159660.6	15.03316 (18053106)	14.23544 (18080306)	13.46546 (18090706)	12.77714 (18070706)	12.40386 (18060106)
159610.6	16.06790 (18090606)	15.45374 (18090706)	14.47040 (18102706)	14.03638 (18060106)	12.34162 (18060105)
159560.6	17.02347 (18090706)	16.34920 (18102706)	15.74371 (18060106)	13.64848 (18083006)	12.31191 (18083006)
159510.6	17.68617 (18102706)	17.21384 (18060106)	15.41051 (18083006)	13.94604 (18070506)	14.32056 (18070506)
159460.6	18.21697 (18091906)	17.15567 (18083007)	16.12050 (18070506)	15.91044 (18070506)	13.98309 (18102206)
159410.6	18.59184 (18083007)	17.58988 (18102206)	16.89075 (18102206)	16.29390 (18070507)	14.86184 (18070507)
159360.6	16.99914 (18102206)	17.78822 (18070507)	17.43660 (18050307)	16.55297 (18111906)	15.42701 (18050306)
159310.6	16.32588 (18050307)	17.07516 (18050306)	16.78078 (18050806)	16.64922 (18050806)	15.70454 (18050806)
159260.6	15.89048 (18011307)	16.57393 (18061407)	16.72685 (18061407)	16.10255 (18111907)	15.15369 (18111907)
159210.6	15.84652 (18061007)	16.69074 (18042907)	16.78002 (18111907)	16.20983 (18111907)	15.24812 (18122506)
159160.6	15.04112 (18101407)	16.10528 (18062907)	16.70817 (18050807)	16.26101 (18050807)	15.41926 (18111707)
159110.6	15.27665 (18020908)	15.57268 (18082507)	16.23427 (18042607)	16.02667 (18042607)	15.01083 (18042606)
159060.6	15.51188 (18112007)	16.30092 (18112007)	15.98430 (18020607)	15.44114 (18032707)	14.79050 (18012207)
159010.6	15.57810 (18042608)	15.59647 (18123007)	15.53550 (18033007)	14.89436 (18042507)	14.38203 (18041606)
158960.6	15.63780 (18021608)	15.06300 (18033008)	15.38167 (18123007)	14.72663 (18033007)	13.98289 (18040506)
158910.6	15.59206 (18021608)	14.81943 (18111806)	14.64815 (18112706)	14.10692 (18123006)	13.46321 (18042506)
158860.6	15.43528 (18112407)	14.58235 (18013007)	14.12819 (18111806)	13.56016 (18112706)	12.91802 (18021205)
158810.6	14.41712 (18020807)	14.08189 (18021607)	13.14856 (18012107)	13.01250 (18021106)	12.26365 (18112706)
158760.6	13.68474 (18030706)	13.29063 (18012707)	12.69112 (18012906)	12.04474 (18021606)	11.81547 (18021106)
158710.6	12.24294 (18020808)	12.59705 (18030706)	12.14632 (18012506)	11.41345 (18012906)	10.94367 (18021606)
158660.6	11.82021 (18013106)	11.70137 (18030706)	11.25588 (18112406)	11.05767 (18012506)	10.21501 (18012106)
158610.6	10.94415 (18013106)	10.46663 (18020806)	10.68517 (18030706)	10.18808 (18021506)	9.92367 (18012906)
158560.6	9.74888 (18013106)	10.12561 (18013106)	9.92258 (18020806)	9.52678 (18021806)	9.43807 (18112505)
158510.6	10.06946 (18013105)	9.45578 (18013106)	9.01319 (18020806)	9.20951 (18112405)	8.75053 (18030705)
158460.6	10.35321 (18013105)	9.41394 (18013105)	8.55492 (18013106)	8.53050 (18032405)	8.40679 (18112405)
158410.6	10.35053 (18013105)	9.99333 (18013105)	8.08032 (18013105)	7.78129 (18032405)	8.05324 (18112405)

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  158360.6 |     10.11822 (18013105)     10.28826 (18013105)      8.84847 (18013105)      7.22696 (18013106)
7.56497 (18032405)
  158310.6 |      9.71931 (18013105)     10.32931 (18013105)      9.38054 (18013105)      7.40759 (18013105)
6.92445 (18032405)
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**MODELOPTs: RegDFAULT CONC ELEV RURAL VectorWS

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): G1000 , G2000 , B10 , B50 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)				
	741708.38	741758.38	741808.38	741858.38	741908.38
160260.6	18.43273 (18110422)	16.18433 (18042803)	14.46096 (18042803)	19.47557 (18042804)	26.75795 (18042804)
160210.6	36.08828 (18022322)	36.16563 (18022322)	35.16698 (18042021)	35.88930 (18042804)	29.65108 (18042804)
160160.6	38.75170 (18022322)	37.89569 (18042021)	33.56227 (18042021)	24.11399 (18042804)	17.19875 (18102401)
160110.6	25.72062 (18042021)	22.60780 (18042021)	17.12620 (18050401)	10.66497 (18102519)	9.47041 (18061002)
160060.6	12.64776 (18042021)	10.58847 (18033116)	9.65333 (18070304)	9.41291 (18061002)	7.91580 (18050818)
160010.6	9.96585 (18102023)	9.33628 (18070304)	8.57404 (18061002)	7.50545 (18050818)	7.51639 (18042821)
159960.6	9.92361 (18102101)	8.89110 (18083024)	8.00121 (18050818)	7.65139 (18101622)	7.11679 (18042821)
159910.6	9.52561 (18083024)	8.56166 (18070805)	8.14038 (18070805)	7.53788 (18102705)	7.60750 (18060105)
159860.6	9.24236 (18090605)	8.99053 (18070805)	8.20684 (18102705)	8.31102 (18060105)	7.92333 (18060105)
159810.6	9.89111 (18070805)	9.13694 (18070706)	9.10119 (18060105)	8.66342 (18060105)	7.47700 (18060105)
159760.6	10.22499 (18070706)	9.96558 (18060105)	9.48644 (18060105)	8.06556 (18060105)	7.19560 (18083006)
159710.6	10.94895 (18102705)	10.37353 (18060105)	8.84870 (18083006)	8.00367 (18070506)	8.22873 (18070506)
159660.6	11.34236 (18060105)	9.89276 (18083006)	9.28669 (18070506)	9.37485 (18070506)	9.28956 (18050805)
159610.6	11.06638 (18083006)	10.79579 (18070506)	10.64330 (18070506)	10.14877 (18050805)	9.13263 (18050805)
159560.6	12.49865 (18070506)	11.95167 (18070506)	10.75698 (18050805)	9.27365 (18070507)	9.05484 (18102205)
159510.6	13.13957 (18070506)	11.38777 (18070507)	10.74486 (18070507)	9.87658 (18102205)	9.47818 (18111906)
159460.6	13.33210 (18070507)	12.09720 (18070507)	11.53183 (18111906)	10.74894 (18111906)	9.82314 (18050306)
159410.6	14.04972 (18111906)	12.85975 (18111906)	11.90352 (18050306)	10.88461 (18050306)	10.04224 (18050806)
159360.6	14.08561 (18050306)	13.28198 (18050806)	12.43602 (18050806)	11.47347 (18050806)	10.48090 (18050806)
159310.6	14.37694 (18050806)	12.93242 (18050806)	11.63992 (18061407)	10.97785 (18111905)	10.44637 (18111905)
159260.6	14.00862 (18111907)	12.84642 (18111907)	11.73352 (18111907)	10.71040 (18111907)	9.78150 (18111907)
159210.6	14.46488 (18122506)	13.53377 (18122506)	12.56873 (18122506)	11.63329 (18122506)	10.75391 (18122506)
159160.6	14.48936 (18122806)	13.58259 (18122806)	12.59627 (18122806)	11.66321 (18111706)	10.77313 (18111706)
159110.6	14.28124 (18042606)	13.38296 (18060206)	12.45064 (18060206)	11.46150 (18060206)	10.67234 (18111705)
159060.6	14.03527 (18012207)	13.09625 (18031506)	12.20481 (18121606)	11.29116 (18121606)	10.47825 (18042606)
159010.6	13.55297 (18032206)	12.81370 (18032706)	11.81618 (18032706)	11.15381 (18020606)	10.35757 (18031506)
158960.6	12.99498 (18020506)	12.33690 (18041606)	11.63268 (18012206)	10.87893 (18012206)	10.11014 (18121905)
158910.6	12.75259 (18122206)	11.98151 (18040506)	11.17990 (18020506)	10.47409 (18020506)	9.82959 (18111205)
158860.6	12.35754 (18021205)	11.51067 (18122206)	10.72606 (18122206)	10.04822 (18112605)	9.97766 (18021223)
158810.6	13.45787 (18021205)	12.93915 (18021205)	11.18476 (18021205)	9.84528 (18021221)	10.03980 (18032603)
158760.6	12.10422 (18021205)	13.34042 (18021205)	12.94573 (18021205)	11.45056 (18021205)	10.08892 (18032602)
158710.6	10.64353 (18021106)	11.72947 (18021205)	12.81642 (18021205)	12.56094 (18021205)	11.34775 (18021205)
158660.6	9.88309 (18021606)	9.85029 (18021219)	11.11562 (18021205)	12.07723 (18021205)	11.94554 (18021205)
158610.6	9.45153 (18021201)	9.99291 (18021201)	10.03686 (18021219)	10.39441 (18021205)	11.24876 (18021205)
158560.6	8.92368 (18012906)	9.80166 (18021201)	10.01261 (18021201)	10.03563 (18021219)	10.00425 (18032902)
158510.6	8.63889 (18112505)	8.86174 (18021124)	9.90772 (18021201)	9.87201 (18021201)	9.89963 (18021219)
158460.6	8.22744 (18030705)	8.95242 (18021124)	9.10971 (18021201)	9.83590 (18021201)	9.62417 (18021201)
158410.6	7.61976 (18030705)	8.51519 (18021124)	9.01457 (18021124)	9.17456 (18021201)	9.64113 (18021201)

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  158360.6 |      7.40908 (18112405)      7.73584 (18021116)      8.74835 (18021124)      8.90220 (18021124)
9.10098 (18021201)
  158310.6 |      7.08831 (18032405)      6.94344 (18021116)      8.10236 (18021124)      8.78373 (18021124)
8.67035 (18021124)
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**MODELOPTs: RegDFAULT CONC ELEV RURAL VectorWS

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): G1000 , G2000 , B10 , B50 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)				
	741958.38	742008.38	742058.38	742108.38	742158.38
160260.6	26.31033 (18042804)	31.66773 (18102401)	33.77825 (18102401)	30.26863 (18102401)	25.76825 (18102401)
160210.6	31.74822 (18102401)	33.25939 (18102401)	27.08034 (18102401)	19.49184 (18102323)	17.11904 (18102323)
160160.6	18.90833 (18102401)	19.21013 (18102401)	16.28607 (18102323)	13.75719 (18102323)	11.75572 (18102303)
160110.6	9.35958 (18050818)	8.33992 (18101618)	9.11222 (18072122)	10.12843 (18102303)	8.91508 (18083101)
160060.6	7.82799 (18101618)	7.40439 (18102220)	7.91835 (18083101)	8.68380 (18083101)	8.23436 (18042704)
160010.6	7.05476 (18042821)	7.21596 (18042005)	7.46132 (18042703)	7.55189 (18042704)	7.16169 (18061023)
159960.6	7.08377 (18042005)	7.17664 (18042703)	7.10930 (18042704)	7.18027 (18061023)	7.08336 (18050404)
159910.6	7.26051 (18060105)	6.91188 (18050303)	7.07674 (18111404)	7.07875 (18101620)	6.43878 (18101620)
159860.6	6.93227 (18060105)	7.16052 (18111404)	6.83515 (18101620)	7.01811 (18010118)	7.05575 (18010118)
159810.6	7.07040 (18111404)	6.80853 (18010118)	7.44648 (18010118)	7.03885 (18010118)	6.71616 (18033119)
159760.6	7.49214 (18010118)	7.52702 (18010118)	7.41310 (18050805)	7.42109 (18033119)	7.15093 (18033119)
159710.6	8.35211 (18050805)	8.08888 (18050805)	7.55861 (18033119)	6.79798 (18033119)	6.51190 (18122704)
159660.6	8.70033 (18050805)	7.72359 (18050805)	7.03366 (18102205)	6.89815 (18102205)	6.88368 (18010120)
159610.6	8.01850 (18102205)	7.88478 (18102205)	7.51592 (18102205)	6.99635 (18102205)	6.61709 (18083105)
159560.6	8.60477 (18102205)	7.94551 (18102205)	7.51240 (18111906)	7.14612 (18083105)	6.68709 (18083105)
159510.6	8.94987 (18111906)	8.29408 (18111906)	7.68405 (18050306)	7.20416 (18050306)	6.69092 (18050306)
159460.6	9.16787 (18050306)	8.44557 (18050306)	7.71501 (18050306)	7.34553 (18050806)	6.95281 (18050806)
159410.6	9.49616 (18050806)	8.88046 (18050806)	8.24470 (18050806)	7.61600 (18050806)	7.24570 (18040105)
159360.6	9.51103 (18050806)	8.63394 (18111905)	8.35288 (18111905)	8.02132 (18111905)	7.65775 (18111905)
159310.6	9.87455 (18111905)	9.29163 (18111905)	8.71344 (18111905)	8.30084 (18122419)	7.76537 (18122418)
159260.6	8.97944 (18011306)	8.60873 (18020619)	8.42350 (18020619)	8.22416 (18020619)	7.93412 (18122417)
159210.6	9.93363 (18122506)	9.19027 (18122506)	8.58142 (18122505)	8.12563 (18122505)	7.83470 (18010117)
159160.6	9.93605 (18111706)	9.14978 (18111706)	8.42650 (18111706)	7.77657 (18111706)	7.22188 (18040106)
159110.6	9.92673 (18111705)	9.19757 (18111705)	8.70476 (18020305)	8.28379 (18020305)	7.86132 (18020305)
159060.6	9.66691 (18042606)	9.18316 (18042605)	8.71503 (18042605)	8.23547 (18111705)	7.75260 (18111705)
159010.6	9.72613 (18121605)	9.18303 (18021405)	8.65704 (18021405)	8.03789 (18021405)	7.43669 (18042605)
158960.6	9.93159 (18021405)	10.18164 (18021405)	10.09643 (18021405)	9.76685 (18021405)	9.27589 (18021405)
158910.6	9.40168 (18111205)	9.38783 (18021405)	9.92672 (18021405)	10.12963 (18021405)	10.05841 (18021405)
158860.6	10.11114 (18032604)	9.83449 (18032604)	9.25314 (18021305)	9.02624 (18021405)	9.47029 (18021405)
158810.6	10.12109 (18021223)	10.07063 (18021223)	10.07328 (18032604)	9.71039 (18032604)	9.23601 (18021305)
158760.6	10.13683 (18021221)	10.10249 (18032603)	10.04231 (18021223)	9.85091 (18032604)	9.74821 (18032604)
158710.6	10.07282 (18021222)	10.06111 (18021221)	9.89497 (18032603)	9.79318 (18032603)	9.68192 (18021223)
158660.6	10.99375 (18021205)	10.00158 (18021222)	9.87527 (18032602)	9.74731 (18021221)	9.55198 (18032603)
158610.6	11.21574 (18021205)	10.48756 (18021205)	9.74992 (18021222)	9.55073 (18021222)	9.43792 (18032602)
158560.6	10.40685 (18021205)	10.44745 (18021205)	9.90205 (18021205)	9.37897 (18021222)	9.32021 (18021222)
158510.6	9.81134 (18032902)	9.69672 (18021218)	9.68681 (18021205)	9.32937 (18032901)	8.93715 (18021222)
158460.6	9.67149 (18021219)	9.54650 (18032902)	9.40726 (18021218)	9.22745 (18021220)	9.03599 (18032901)
158410.6	9.30886 (18021201)	9.38364 (18021219)	9.23628 (18032902)	9.07860 (18021218)	8.87330 (18021220)

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  158360.6 |      9.36566 (18021201)      8.95471 (18021201)      9.05993 (18021219)      8.90017 (18032902)
8.72877 (18021218)
  158310.6 |      8.92976 (18021201)      9.04069 (18021201)      8.60283 (18020105)      8.71743 (18021219)
8.55213 (18032902)
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**MODELOPTs: RegDFAULT CONC ELEV RURAL VectorWS

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

INCLUDING SOURCE(S): G1000 , G2000 , B10 , B50 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
741140.32	159424.33	20.58912	(18100618)	741397.82	159385.75	18.30941	(18062107)
741325.15	159244.89	24.69543	(18111903)	741167.24	159587.63	16.65107	(18062307)
741467.81	159444.07	17.51309	(18102106)	740859.49	159531.10	12.12802	(18100510)
740764.38	159464.71	11.84564	(18111307)				

**MODELOPTs: RegDFAULT CONC ELEV RURAL VectorWS

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): G1000 , G2000 , B10 , B50 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)				
	740208.38	740258.38	740308.38	740358.38	740408.38
160260.6	10.38752 (18041224)	9.90227 (18041224)	9.66691c(18010924)	9.09572c(18010924)	9.23562c(18062824)
160210.6	9.15080 (18040924)	8.30908 (18040924)	7.46221 (18041224)	6.91483c(18010924)	6.23279c(18010924)
160160.6	6.67496 (18040924)	6.08246 (18040924)	5.90517 (18040924)	5.31584 (18040924)	4.68718c(18010924)
160110.6	4.23384 (18040924)	3.66452 (18040924)	3.84493 (18040924)	3.95871 (18040924)	3.87916 (18040924)
160060.6	2.68135c(18050424)	2.55738c(18050424)	3.05671 (18040924)	3.16028 (18040924)	2.53602 (18040924)
160010.6	2.59295c(18050424)	2.74151c(18050424)	2.61116c(18050424)	2.59767c(18050424)	2.44201c(18050424)
159960.6	3.34008c(18050424)	3.89952c(18050424)	3.72150c(18050424)	3.80389c(18050424)	4.21646c(18050424)
159910.6	3.67226c(18050424)	4.36771c(18050424)	5.05293c(18050424)	5.50087c(18050424)	5.51125c(18050424)
159860.6	2.74964c(18050424)	3.07258c(18050424)	3.70612c(18050424)	4.28352c(18050424)	4.43280c(18050424)
159810.6	2.32136 (18010224)	2.27092 (18010224)	2.34055c(18050424)	2.72322c(18050424)	2.99010c(18050424)
159760.6	2.25376 (18010224)	2.43184 (18010224)	2.51584 (18010224)	2.37262 (18010224)	2.40403 (18040924)
159710.6	1.94692 (18010224)	2.14793 (18010224)	2.38355 (18010224)	2.56152 (18010224)	2.53158 (18010224)
159660.6	1.78779c(18100724)	1.87700c(18100724)	2.02517 (18010224)	2.28403 (18010224)	2.50918 (18010224)
159610.6	1.91391 (18052324)	1.99955 (18052324)	2.07826 (18052324)	2.17017c(18100724)	2.23445 (18010224)
159560.6	2.07166 (18052324)	2.18620 (18052324)	2.30031 (18052324)	2.40963 (18052324)	2.51283 (18052324)
159510.6	2.25682 (18052224)	2.35458 (18052224)	2.47993 (18052324)	2.63976 (18052324)	2.79873 (18052324)
159460.6	2.39887 (18052224)	2.54436 (18052224)	2.69601 (18052224)	2.85610 (18052224)	3.02479 (18052224)
159410.6	2.39288 (18052224)	2.57778 (18052224)	2.77783 (18052224)	2.99431 (18052224)	3.22619 (18052224)
159360.6	2.19145 (18052224)	2.39158 (18052224)	2.61603 (18052224)	2.86716 (18052224)	3.14681 (18052224)
159310.6	2.24013 (18040824)	2.37489 (18040824)	2.52606 (18040824)	2.69176 (18040824)	2.87389 (18040824)
159260.6	2.47484 (18110124)	2.63988 (18110124)	2.82545 (18110124)	3.03224 (18110124)	3.26582 (18110124)
159210.6	2.52190 (18040824)	2.65477 (18040824)	2.83221 (18110124)	3.04209 (18110124)	3.24279 (18110124)
159160.6	2.30122 (18040824)	2.40668 (18040824)	2.50332 (18040824)	2.61172 (18110124)	2.72616 (18110124)
159110.6	2.02509 (18040824)	2.09321 (18040824)	2.15085 (18040824)	2.20398 (18040824)	2.31042 (18010724)
159060.6	1.87908 (18041124)	2.01084 (18041124)	2.17518 (18010724)	2.39990 (18010724)	2.65298 (18010724)
159010.6	1.99684 (18010724)	2.18581 (18010724)	2.39539 (18010724)	2.62683 (18010724)	2.88061 (18010724)
158960.6	2.13099 (18010724)	2.31313 (18010724)	2.50913 (18010724)	2.71734 (18010724)	2.93442 (18010724)
158910.6	2.17573 (18010724)	2.33151 (18010724)	2.49120 (18010724)	2.65020 (18010724)	2.80175 (18010724)
158860.6	2.12413 (18010724)	2.23977 (18010724)	2.34895 (18010724)	2.44523 (18010724)	2.52009 (18010724)
158810.6	1.99012 (18010724)	2.06018 (18010724)	2.11525 (18010724)	2.15971c(18110724)	2.50194 (18031124)
158760.6	1.79923 (18010724)	1.88220c(18110724)	2.10812 (18031124)	2.43756 (18031124)	2.80920 (18031124)
158710.6	1.79304 (18031124)	2.05606 (18031124)	2.35285 (18031124)	2.68056 (18031124)	3.02991 (18031124)
158660.6	1.99359 (18031124)	2.25857 (18031124)	2.54465 (18031124)	2.84339 (18031124)	3.14080 (18031124)
158610.6	2.16199 (18031124)	2.41122 (18031124)	2.66573 (18031124)	2.91367 (18031124)	3.13916 (18031124)
158560.6	2.28445 (18031124)	2.50207 (18031124)	2.70998 (18031124)	2.89579 (18031124)	3.04488 (18031124)
158510.6	2.35352 (18031124)	2.52946 (18031124)	2.68472 (18031124)	2.80839 (18031124)	2.88796 (18031124)
158460.6	2.37050 (18031124)	2.50211 (18031124)	2.60689 (18031124)	2.67550 (18031124)	2.76516 (18030424)
158410.6	2.34446 (18031124)	2.43502 (18031124)	2.49581 (18031124)	2.55477 (18030424)	2.69416 (18030424)

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  158360.6 |      2.28844 (18031124)      2.34353 (18031124)      2.37219 (18030424)      2.50060 (18030424)
2.55024 (18030424)
  158310.6 |      2.21385 (18031124)      2.23904 (18031124)      2.33125 (18030424)      2.38628 (18030424)
2.32871 (18030424)
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**MODELOPTs: RegDFAULT CONC ELEV RURAL VectorWS

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

INCLUDING SOURCE(S): G1000 , G2000 , B10 , B50 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS) 740458.38	740508.38	740558.38	740608.38	740658.38
160260.6	9.68008c(18062824)	9.39744c(18062824)	9.05421 (18052124)	9.53814 (18052124)	9.44251 (18052124)
160210.6	6.21806c(18062824)	6.96190c(18062824)	6.86473c(18062824)	6.63877 (18052124)	6.20012 (18052124)
160160.6	4.23190c(18010924)	4.47361c(18062824)	4.64649c(18062824)	4.31832 (18052124)	4.02137 (18052124)
160110.6	3.27087 (18040924)	2.66516c(18010924)	2.72247c(18062824)	2.52504c(18062824)	2.96290 (18100424)
160060.6	2.03734 (18040924)	2.00873c(18110624)	2.30906c(18110624)	2.64996 (18110524)	3.31247 (18110524)
160010.6	3.68095c(18110624)	5.12557c(18110624)	5.45787c(18110624)	4.96784c(18110624)	5.32589 (18110524)
159960.6	5.33047c(18110624)	6.23997c(18110624)	6.84017c(18110624)	6.80973c(18110624)	5.69493 (18110524)
159910.6	4.75578c(18050424)	3.24333c(18050424)	4.22269c(18110624)	5.89146c(18110624)	5.00052c(18110624)
159860.6	3.95292c(18050424)	3.01391 (18040924)	3.06886 (18040924)	3.73812c(18110624)	2.94540c(18110624)
159810.6	3.10925 (18040924)	3.05023 (18040924)	3.09125 (18040924)	3.16914 (18040924)	2.75830c(18022524)
159760.6	2.77203 (18040924)	3.05539 (18040924)	3.06632 (18040924)	2.97681 (18040924)	2.83555 (18040924)
159710.6	2.40181 (18040924)	2.79899 (18040924)	3.10871 (18040924)	3.14329 (18040924)	3.05157 (18040924)
159660.6	2.67183 (18010224)	2.64705 (18010224)	2.92016 (18040924)	3.29411 (18040924)	3.48817 (18040924)
159610.6	2.50566 (18010224)	2.74358 (18010224)	2.87434 (18010224)	3.12131 (18040924)	3.57077 (18040924)
159560.6	2.61466 (18052324)	2.71045 (18052324)	2.82122 (18010224)	3.09681 (18010224)	3.40141 (18040924)
159510.6	2.94716 (18052324)	3.08075 (18052324)	3.20254 (18052324)	3.30603 (18052324)	3.38844 (18052324)
159460.6	3.21260 (18052324)	3.40773 (18052324)	3.60669 (18052324)	3.79144 (18052324)	3.94502 (18052324)
159410.6	3.46141 (18052224)	3.68640 (18052224)	3.89509 (18052224)	4.15169 (18052324)	4.43066 (18052324)
159360.6	3.45509 (18052224)	3.79113 (18052224)	4.14026 (18052224)	4.48973 (18052224)	4.84673 (18052224)
159310.6	3.08742 (18052324)	3.37434 (18052324)	3.70055 (18052224)	4.13677 (18052224)	4.65248 (18052224)
159260.6	3.51059 (18110124)	3.76477 (18110124)	4.04014 (18110124)	4.33653 (18110124)	4.68449 (18110124)
159210.6	3.48035 (18110124)	3.77144 (18110124)	4.11204 (18110124)	4.41369 (18110124)	4.75424 (18110124)
159160.6	2.86221 (18110124)	3.01346 (18110124)	3.20151 (18110124)	3.39819 (18110124)	3.54440 (18110124)
159110.6	2.55864 (18010724)	2.84249 (18010724)	3.16834 (18010724)	3.54264 (18010724)	3.95183 (18010724)
159060.6	2.93476 (18010724)	3.24820 (18010724)	3.59552 (18010724)	3.97346 (18010724)	4.35774 (18010724)
159010.6	3.15369 (18010724)	3.44030 (18010724)	3.73673 (18010724)	4.02779 (18010724)	4.27692 (18010724)
158960.6	3.15412 (18010724)	3.35945 (18010724)	3.54191 (18010724)	3.67828 (18010724)	3.73091 (18010724)
158910.6	2.93595 (18010724)	3.03488 (18010724)	3.08178 (18010724)	3.62524 (18031124)	4.34150 (18031124)
158860.6	2.56270 (18010724)	2.99905 (18031124)	3.54222 (18031124)	4.15677 (18031124)	4.81476 (18031124)
158810.6	2.92138 (18031124)	3.39580 (18031124)	3.91184 (18031124)	4.43943 (18031124)	4.92146 (18031124)
158760.6	3.21808 (18031124)	3.64926 (18031124)	4.07165 (18031124)	4.43911 (18031124)	4.68532 (18031124)
158710.6	3.38671 (18031124)	3.72740 (18031124)	4.01673 (18031124)	4.20070 (18031124)	4.43277 (18030424)
158660.6	3.41519 (18031124)	3.64188 (18031124)	3.78700 (18031124)	3.98811 (18030424)	4.16722 (18030424)
158610.6	3.32127 (18031124)	3.43513 (18031124)	3.60829 (18030424)	3.78418 (18030424)	3.70416c(18031224)
158560.6	3.13987 (18031124)	3.28370 (18030424)	3.45213 (18030424)	3.41575 (18030424)	3.60740c(18031224)
158510.6	3.00581 (18030424)	3.16474 (18030424)	3.16366 (18030424)	3.25601c(18031224)	3.39875c(18031224)
158460.6	2.91590 (18030424)	2.93830 (18030424)	2.95201c(18031224)	3.10213c(18031224)	3.11839c(18031224)
158410.6	2.73445 (18030424)	2.68795c(18031224)	2.83925c(18031224)	2.88595c(18031224)	2.96908c(18041424)

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  158360.6 |      2.46374 (18030424)      2.60539c(18031224)      2.67036c(18031224)      2.65563c(18041424)
2.82411c(18041424)
  158310.6 |      2.39990c(18031224)      2.47473c(18031224)      2.46702c(18031224)      2.55283c(18041424)
2.63914c(18041424)
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**MODELOPTs: RegDFAULT CONC ELEV RURAL VectorWS

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): G1000 , G2000 , B10 , B50 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS) 740708.38	740758.38	740808.38	740858.38	740908.38
160260.6	8.85902 (18052124)	7.85373 (18052124)	6.52996 (18052124)	5.45233 (18052124)	3.95397 (18052124)
160210.6	5.29022 (18052124)	5.54818 (18052124)	5.45314 (18052124)	4.49005 (18052124)	3.60145 (18061824)
160160.6	3.66029 (18100424)	3.58056 (18100424)	3.44399 (18061824)	3.80849 (18061824)	3.69299 (18061824)
160110.6	3.36106 (18100424)	3.45041 (18100424)	3.17401 (18100424)	3.60698 (18061824)	3.73794 (18061824)
160060.6	3.68881 (18110524)	3.37574 (18100424)	3.30992 (18100424)	3.48739 (18061824)	3.72667 (18061824)
160010.6	5.72403 (18110524)	5.21520 (18110524)	3.83466 (18110524)	3.50932c(18052824)	4.44619c(18052824)
159960.6	6.37649 (18110524)	6.09492 (18110524)	4.76392 (18110524)	3.43112 (18061824)	4.26838c(18052824)
159910.6	4.28172 (18110524)	4.67159 (18110524)	4.23758 (18110524)	4.35958 (18052124)	4.28067 (18052124)
159860.6	3.01026c(18062824)	3.47779 (18052124)	4.11858 (18052124)	4.65829 (18052124)	4.95563 (18052124)
159810.6	2.74985c(18022524)	2.87570 (18052424)	3.81689 (18052124)	4.47021 (18052124)	4.97329 (18052124)
159760.6	2.96148c(18022524)	3.02061c(18022524)	3.51223 (18052124)	4.35883 (18100424)	4.83748 (18100424)
159710.6	2.97139 (18040924)	3.30942c(18022524)	3.35802c(18022524)	4.19085 (18061124)	5.19467 (18100424)
159660.6	3.43770 (18040924)	3.45365 (18040924)	3.68471c(18022524)	3.80746 (18061124)	5.13645 (18100424)
159610.6	3.86587 (18040924)	3.82357 (18040924)	3.62224 (18040924)	3.84028c(18022524)	4.72643 (18061124)
159560.6	3.89410 (18040924)	4.20439 (18040924)	4.11128 (18040924)	3.78893 (18040924)	4.35505 (18051724)
159510.6	3.72062 (18040924)	4.24855 (18040924)	4.65710 (18040924)	4.65048 (18040924)	4.22725 (18040924)
159460.6	4.06031 (18052324)	4.14168 (18052324)	4.64976 (18040924)	5.19329 (18040924)	5.26711 (18040924)
159410.6	4.66814 (18052324)	4.84248 (18052324)	4.93507 (18052324)	4.98298 (18040924)	5.70422 (18040924)
159360.6	5.16349 (18052224)	5.39970 (18052224)	5.64768 (18052324)	5.77981 (18052324)	5.77011 (18052324)
159310.6	5.22163 (18052224)	5.80155 (18052224)	6.35462 (18052224)	6.75313 (18052224)	6.83560 (18052224)
159260.6	5.05541 (18110124)	5.38469 (18110124)	5.73300 (18040824)	6.04952 (18040824)	6.26562 (18040824)
159210.6	5.10288 (18110124)	5.44275 (18110124)	5.71603 (18110124)	5.82586 (18110124)	5.99794 (18040824)
159160.6	3.78679 (18010624)	4.13056 (18010624)	4.50623 (18010724)	5.07927 (18010724)	5.72537 (18010724)
159110.6	4.41155 (18010724)	4.90776 (18010724)	5.41429 (18010724)	5.88104 (18010724)	6.12621 (18010724)
159060.6	4.74164 (18010724)	5.08635 (18010724)	5.31096 (18010724)	5.28567 (18010724)	6.39622 (18031124)
159010.6	4.44886 (18010724)	4.49036 (18010724)	5.29079 (18031124)	6.60350 (18031124)	8.04033 (18031124)
158960.6	4.38835 (18031124)	5.33528 (18031124)	6.39685 (18031124)	7.38985 (18031124)	7.81320 (18031124)
158910.6	5.14414 (18031124)	5.96270 (18031124)	6.64485 (18031124)	6.89555 (18030424)	6.68599 (18030424)
158860.6	5.45062 (18031124)	5.92463 (18031124)	6.17136 (18030424)	6.16070 (18030424)	6.52152c(18031224)
158810.6	5.26368 (18031124)	5.51379 (18030424)	5.60299 (18030424)	5.85054c(18031224)	5.97972c(18031224)
158760.6	4.94456 (18030424)	5.07922 (18030424)	5.22201c(18031224)	5.46677c(18031224)	5.82729c(18041424)
158710.6	4.60379 (18030424)	4.65342c(18031224)	4.95448c(18031224)	5.19536c(18041424)	5.36497c(18041424)
158660.6	4.14352c(18031224)	4.45579c(18031224)	4.56851c(18041424)	4.91232c(18041424)	4.68487c(18041424)
158610.6	4.00722c(18031224)	4.08421c(18031224)	4.40354c(18041424)	4.43823c(18041424)	3.95613c(18041424)
158560.6	3.73035c(18031224)	3.90854c(18041424)	4.08536c(18041424)	3.87728c(18041424)	3.27960c(18041424)
158510.6	3.45847c(18041424)	3.69801c(18041424)	3.67328c(18041424)	3.30993c(18041424)	2.80297 (18121524)
158460.6	3.31906c(18041424)	3.40440c(18041424)	3.22586c(18041424)	2.78860c(18041424)	2.62473 (18121524)
158410.6	3.11261c(18041424)	3.06462c(18041424)	2.78769c(18041424)	2.33692c(18041424)	2.45983 (18121524)

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  158360.6 |      2.86055c(18041424)      2.71228c(18041424)      2.38660c(18041424)      2.18832 (18121524)
2.30953 (18121524)
  158310.6 |      2.58556c(18041424)      2.37283c(18041424)      2.03588c(18041424)      2.06744 (18121524)
2.21802c(18121424)
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**MODELOPTs: RegDFAULT CONC ELEV RURAL VectorWS

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): G1000 , G2000 , B10 , B50 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)				
	740958.38	741008.38	741058.38	741108.38	741158.38
160260.6	3.06037 (18062324)	3.37134 (18062324)	3.58776 (18062324)	3.77377 (18062324)	5.10396 (18100524)
160210.6	3.00188 (18062324)	3.30095 (18062324)	3.49376 (18062324)	3.63604 (18062324)	3.79082 (18060724)
160160.6	3.14349 (18061824)	3.34066 (18062324)	3.56730 (18062324)	3.72129 (18062324)	3.86360 (18060724)
160110.6	3.38076 (18061824)	3.41195 (18062324)	3.69537 (18062324)	3.87522 (18062324)	3.99355 (18060724)
160060.6	3.50756 (18061824)	3.46089 (18062324)	3.78837 (18062324)	3.96791 (18062324)	4.56090 (18101724)
160010.6	4.49780c(18052824)	4.01177c(18052924)	4.29905c(18052924)	4.91948 (18101724)	6.04513 (18101724)
159960.6	4.38989c(18052824)	3.76610c(18052924)	4.13956 (18062324)	4.84257 (18101724)	5.29556 (18101724)
159910.6	4.07429 (18061824)	3.86766 (18062324)	4.42516 (18062324)	4.71654 (18062324)	4.61850 (18062324)
159860.6	4.45273 (18061824)	4.09863 (18061824)	4.75325 (18062324)	5.14101 (18062324)	5.03592 (18062324)
159810.6	4.86446 (18061824)	4.64053 (18061824)	5.09256 (18062324)	5.62826 (18062324)	5.53830 (18062324)
159760.6	5.23225 (18061824)	5.29076 (18061824)	5.40272 (18062324)	6.16306 (18062324)	6.13315 (18062324)
159710.6	5.44633 (18061824)	5.99843 (18061824)	5.65210 (18062324)	6.74106 (18062324)	6.83597 (18062324)
159660.6	5.94839 (18100424)	6.63361 (18061824)	6.22927 (18061824)	7.32753 (18062324)	7.64832 (18062324)
159610.6	6.31976 (18100424)	6.95512 (18061824)	7.36047 (18061824)	7.87191 (18062324)	8.57193 (18062324)
159560.6	5.82058 (18100424)	7.29819 (18100424)	8.42157 (18061824)	8.24769 (18062324)	9.57843 (18062324)
159510.6	5.01385 (18051724)	7.42554 (18100424)	8.92730 (18061824)	8.35750 (18061824)	10.62483 (18062324)
159460.6	4.69968 (18040924)	5.91780 (18061124)	8.72010 (18100424)	10.14134 (18061824)	11.76080 (18062324)
159410.6	5.89554 (18040924)	5.09809c(18100924)	7.91362 (18100424)	11.76036 (18061824)	13.30002 (18062324)
159360.6	5.90939 (18040924)	6.29701 (18040924)	5.54679 (18051724)	10.37452 (18061824)	15.31673 (18062324)
159310.6	6.39484 (18052324)	6.36412 (18052324)	6.48874 (18040924)	6.75806 (18051724)	13.55378 (18062324)
159260.6	6.55111 (18052224)	6.63228 (18052224)	6.36226 (18052324)	6.60123 (18052324)	1.69075 (18041324)
159210.6	6.11814 (18010624)	6.43039 (18010624)	7.09019 (18010724)	7.82904 (18010724)	0.97785 (18051424)
159160.6	6.38221 (18010724)	6.84639 (18010724)	9.26021 (18031124)	14.84764 (18031124)	7.60842c(18123124)
159110.6	5.89405c(18110724)	9.04137 (18031124)	12.64494 (18031124)	9.10785c(18031224)	9.27808c(18123124)
159060.6	8.53479 (18031124)	10.28930 (18031124)	8.63406c(18031224)	6.78219c(18123124)	7.09985c(18123124)
159010.6	8.87721 (18031124)	7.71053c(18031224)	7.51457c(18031224)	6.20375c(18123124)	5.56109 (18030624)
158960.6	7.07093c(18031224)	7.55335c(18031224)	6.74930c(18041424)	5.70279 (18121524)	5.08718 (18030624)
158910.6	7.14588c(18031224)	6.99854c(18041424)	6.00630c(18041424)	5.41393 (18121524)	4.99664c(18041524)
158860.6	6.57790c(18041424)	6.49697c(18041424)	5.22031 (18121524)	5.27572c(18121424)	5.03199c(18021824)
158810.6	6.34208c(18041424)	5.50978c(18041424)	4.97179 (18121524)	5.10313c(18121424)	4.99751c(18021824)
158760.6	5.61627c(18041424)	4.45321c(18041424)	4.62453 (18121524)	4.83587c(18121424)	4.82271c(18021824)
158710.6	4.72001c(18041424)	4.16788 (18121524)	4.42947c(18121424)	4.50966c(18121424)	4.56224c(18021824)
158660.6	3.85270c(18041424)	3.87506 (18121524)	4.29259c(18121424)	4.16473c(18121424)	4.25318c(18021824)
158610.6	3.41774 (18121524)	3.57434 (18121524)	4.09184c(18121424)	3.82528c(18121424)	3.93309c(18021824)
158560.6	3.18323 (18121524)	3.47662c(18121424)	3.85342c(18121424)	3.49725c(18121424)	3.62270c(18021824)
158510.6	2.95882 (18121524)	3.38547c(18121424)	3.60223c(18121424)	3.19318c(18121424)	3.33155c(18021824)
158460.6	2.76369c(18121424)	3.26118c(18121424)	3.35177c(18121424)	2.91561c(18121424)	3.06428c(18021824)
158410.6	2.73501c(18121424)	3.11656c(18121424)	3.11009c(18121424)	2.66452c(18121424)	2.82214c(18021824)

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  158360.6 |      2.68112c(18121424)      2.96148c(18121424)      2.88192c(18121424)      2.43873c(18121424)
2.60460c(18021824)
  158310.6 |      2.60913c(18121424)      2.80300c(18121424)      2.66961c(18121424)      2.25532c(18021824)
2.41011c(18021824)
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**MODELOPTs: RegDFAULT CONC ELEV RURAL VectorWS

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): G1000 , G2000 , B10 , B50 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)				
	741208.38	741258.38	741308.38	741358.38	741408.38
160260.6	4.64370 (18071724)	5.05389 (18091424)	5.94895 (18071624)	6.62813 (18071624)	6.22354 (18071624)
160210.6	4.43429 (18071724)	5.18116 (18091424)	5.99775 (18071624)	6.58562 (18071624)	6.07010 (18071624)
160160.6	4.57839 (18091424)	5.34111 (18091424)	6.08745 (18071624)	6.52768 (18071624)	5.84604 (18071624)
160110.6	4.74620 (18091424)	5.51344 (18091424)	6.18129 (18071624)	6.43326 (18071624)	5.75727 (18091324)
160060.6	4.81443 (18111024)	5.57714 (18091424)	6.29421c(18110924)	6.36742 (18071624)	5.76807 (18091324)
160010.6	5.48162 (18111024)	5.94866c(18110924)	6.56260c(18110924)	6.27814 (18071624)	5.73686 (18091324)
159960.6	4.98197 (18091424)	5.78550 (18091424)	6.39321 (18071624)	6.18323 (18071624)	5.69723 (18091324)
159910.6	5.12018 (18091424)	5.91299 (18091424)	6.52941 (18071624)	6.11894 (18071624)	6.02770 (18081324)
159860.6	5.27316 (18091424)	6.04912 (18080624)	6.68329 (18071624)	6.10332 (18071624)	6.39245 (18081324)
159810.6	5.65921 (18060824)	6.49530 (18080624)	6.84105 (18071624)	6.39842 (18081324)	6.67153 (18081324)
159760.6	6.23418 (18060824)	7.00581 (18080624)	6.98908 (18071624)	6.84837 (18081324)	6.77114 (18081324)
159710.6	6.87785 (18060824)	7.56828 (18080624)	7.17999 (18080824)	7.22116 (18081324)	6.62260 (18081324)
159660.6	7.59438 (18060824)	8.13178 (18080624)	7.50898 (18060524)	7.40696 (18081324)	6.12459 (18081324)
159610.6	8.40737 (18082024)	8.81950 (18080824)	7.68615 (18060524)	7.24641 (18081324)	5.82182 (18060124)
159560.6	9.32201 (18082024)	9.40892 (18080824)	7.93443 (18081324)	6.88554 (18053124)	5.88567 (18060124)
159510.6	10.30030 (18082024)	9.63237 (18080824)	8.07972 (18071324)	6.78618 (18060124)	5.39170 (18060124)
159460.6	11.63769 (18072524)	9.82418 (18090924)	7.92211 (18090624)	6.05254 (18060124)	5.29721 (18053024)
159410.6	13.76011 (18072524)	10.36414 (18081024)	7.51847 (18060124)	5.10092 (18053024)	4.24532 (18053024)
159360.6	16.50859 (18080124)	11.95293 (18060124)	6.15423 (18070424)	3.89340 (18070524)	4.07741 (18070524)
159310.6	21.67712 (18091124)	7.66195 (18070424)	5.57374 (18070524)	4.21724 (18070524)	3.30064 (18033124)
159260.6	2.33183 (18060124)	3.81595 (18070524)	3.36947 (18033124)	3.54544 (18033124)	4.18999 (18043024)
159210.6	9.18891 (18021224)	20.80815 (18021324)	10.82934 (18021324)	7.32531 (18011624)	5.99833 (18011624)
159160.6	15.20028 (18013124)	17.07175 (18112624)	16.10796 (18020524)	10.48786 (18121824)	8.78076 (18122524)
159110.6	10.77808 (18012524)	12.79911 (18021124)	10.23628 (18042524)	9.92375 (18041824)	9.85908 (18041824)
159060.6	7.80179c(18123024)	10.09737 (18012524)	9.33226 (18021624)	7.21373 (18042524)	7.84770 (18042524)
159010.6	6.67280c(18021824)	8.16643 (18012524)	8.24537 (18112424)	7.89635 (18021624)	6.24913 (18042524)
158960.6	6.39677c(18021824)	6.53976 (18012524)	7.34350 (18112424)	7.51645 (18021624)	6.81258 (18021624)
158910.6	6.19562c(18021824)	5.53313c(18021824)	6.65983 (18012524)	6.75328 (18112424)	6.77062 (18021624)
158860.6	5.97336c(18021824)	5.40216c(18021824)	5.96118 (18012524)	6.10516 (18013124)	6.32038 (18013024)
158810.6	5.66336c(18021824)	5.16113c(18021824)	5.31759 (18012524)	5.86694 (18013124)	5.84260 (18013124)
158760.6	5.28227c(18021824)	4.84278c(18021824)	4.75111 (18012524)	5.45398 (18013124)	5.73116 (18013124)
158710.6	4.87738c(18021824)	4.49952c(18021824)	4.25255 (18012524)	4.96440 (18013124)	5.44695 (18013124)
158660.6	4.46890c(18021824)	4.14953c(18021824)	3.81309 (18012524)	4.46792 (18013124)	5.06417 (18013124)
158610.6	4.08257c(18021824)	3.81646c(18021824)	3.42093 (18012524)	3.99954 (18013124)	4.65427 (18013124)
158560.6	3.72887c(18021824)	3.50947c(18021824)	3.08948c(18021824)	3.57593 (18013124)	4.24846 (18013124)
158510.6	3.40991c(18021824)	3.23089c(18021824)	2.88432c(18021824)	3.20123 (18013124)	3.86502 (18013124)
158460.6	3.12522c(18021824)	2.98070c(18021824)	2.69544c(18021824)	2.86744 (18013124)	3.49874 (18013124)
158410.6	2.87247c(18021824)	2.75722c(18021824)	2.52298c(18021824)	2.56948 (18013124)	3.16321 (18013124)

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  158360.6 |      2.64879c(18021824)      2.55825c(18021824)      2.36646c(18021824)      2.31041 (18013124)
2.86191 (18013124)
  158310.6 |      2.45103c(18021824)      2.38128c(18021824)      2.22477c(18021824)      2.08563 (18013124)
2.59358 (18013124)
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**MODELOPTs: RegDFAULT CONC ELEV RURAL VectorWS

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): G1000 , G2000 , B10 , B50 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS) 741458.38	741508.38	741558.38	741608.38	741658.38
160260.6	5.52242 (18091324)	4.96323 (18091324)	5.09223 (18091124)	5.02471 (18091124)	4.58122 (18081324)
160210.6	5.58388 (18091324)	5.06131 (18091124)	5.09590 (18091124)	4.81401 (18081324)	4.36073 (18081324)
160160.6	5.54207 (18091324)	5.24145 (18091124)	5.11702 (18091124)	4.76533 (18081324)	4.10109 (18081324)
160110.6	5.40355 (18091324)	5.37366 (18091124)	5.21461 (18081324)	4.63100 (18081324)	3.75640 (18081324)
160060.6	5.38443 (18081324)	5.49257 (18081324)	5.16992 (18081324)	4.38215 (18081324)	3.34507 (18081324)
160010.6	5.62612 (18081324)	5.56827 (18081324)	5.01126 (18081324)	4.01309 (18081324)	3.21408 (18060124)
159960.6	5.87902 (18081324)	5.59186 (18081324)	4.75453 (18081324)	3.54427 (18081324)	3.32221 (18060124)
159910.6	6.06944 (18081324)	5.48189 (18081324)	4.34192 (18081324)	3.57137 (18060124)	3.36744 (18060124)
159860.6	6.16798 (18081324)	5.20532 (18081324)	3.84332 (18060124)	3.68127 (18060124)	3.34378 (18060124)
159810.6	6.08459 (18081324)	4.70071 (18081324)	4.02406 (18060124)	3.69698 (18060124)	3.25803 (18060124)
159760.6	5.70388 (18081324)	4.42615 (18060124)	4.10047 (18060124)	3.63269 (18060124)	3.15143 (18060124)
159710.6	5.00255 (18081324)	4.57863 (18060124)	4.06411 (18060124)	3.54126 (18060124)	3.06213 (18060124)
159660.6	5.14686 (18060124)	4.55027 (18060124)	3.95186 (18060124)	3.44926 (18060124)	3.08890 (18083024)
159610.6	5.13766 (18060124)	4.39104 (18060124)	3.83981 (18060124)	3.45015 (18083024)	3.04016 (18083024)
159560.6	4.86159 (18060124)	4.23156 (18060124)	3.82765 (18083024)	3.28192 (18083024)	2.53702 (18083024)
159510.6	4.82148 (18053024)	4.18356 (18083024)	3.44098 (18083024)	2.58422 (18070524)	2.66670 (18070524)
159460.6	4.39992 (18083024)	3.46997 (18083024)	3.12749 (18070524)	3.10454 (18070524)	2.81741 (18070524)
159410.6	3.45455 (18070524)	3.70102 (18070524)	3.43402 (18070524)	2.89786 (18070524)	2.33378 (18070524)
159360.6	3.91689 (18070524)	3.31450 (18070524)	2.76077 (18020724)	2.59899 (18020724)	2.41030 (18020724)
159310.6	3.25930 (18033124)	3.18080 (18020724)	2.99862 (18020724)	3.07605 (18043024)	3.07992 (18043024)
159260.6	4.93395 (18043024)	5.16971 (18043024)	5.07870 (18043024)	4.81098 (18043024)	4.47865 (18043024)
159210.6	5.26974 (18011624)	5.22871 (18122524)	5.27483 (18122524)	5.16027 (18122524)	4.92469 (18122524)
159160.6	7.57938 (18122524)	6.98661 (18122524)	6.57651 (18122524)	6.19319 (18122524)	5.77881 (18122524)
159110.6	7.94258 (18041824)	7.24920 (18122524)	7.28157 (18021324)	7.04297 (18021324)	6.56815 (18021324)
159060.6	8.21527 (18041824)	7.83612 (18041824)	7.37923 (18122024)	7.13492 (18122024)	7.00784 (18021324)
159010.6	7.24762 (18042524)	7.18183 (18020524)	7.46322 (18122224)	7.37938 (18122224)	6.98016 (18032624)
158960.6	6.02789 (18020824)	6.70483 (18042524)	7.01446 (18021224)	7.37776 (18021224)	7.04627 (18032924)
158910.6	6.50900 (18021124)	5.81825 (18021124)	6.09823 (18042524)	7.21767 (18021224)	7.53933 (18021224)
158860.6	6.39665 (18021124)	6.42412 (18021124)	5.72321 (18021124)	6.20591 (18021224)	7.27333 (18021224)
158810.6	6.09538 (18013024)	6.29101 (18021124)	6.18773 (18021124)	5.45874 (18021124)	6.31376 (18021224)
158760.6	5.65656 (18013024)	5.73532 (18021124)	6.07586 (18021124)	5.86298 (18021124)	5.12805 (18021124)
158710.6	5.19576 (18013124)	5.34676 (18013024)	5.61945 (18021124)	5.81358 (18021124)	5.51286 (18021124)
158660.6	5.05546 (18013124)	4.89694 (18013024)	4.98680 (18021124)	5.46555 (18021124)	5.54469 (18021124)
158610.6	4.82408 (18013124)	4.52184 (18013124)	4.58401 (18013024)	4.94808 (18021124)	5.31151 (18021124)
158560.6	4.54243 (18013124)	4.40844 (18013124)	4.17998 (18013024)	4.36162 (18021124)	4.90415 (18021124)
158510.6	4.24128 (18013124)	4.24172 (18013124)	3.93619 (18013124)	3.92136 (18013024)	4.40475 (18021124)
158460.6	3.92401 (18013124)	4.03554 (18013124)	3.85079 (18013124)	3.59156 (18013024)	3.87980 (18021124)
158410.6	3.61486 (18013124)	3.81180 (18013124)	3.73319 (18013124)	3.45484 (18013124)	3.38471 (18013024)

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  158360.6 |      3.32093 (18013124)      3.58005 (18013124)      3.59198 (18013124)      3.39887 (18013124)
3.12319 (18013024)
  158310.6 |      3.04628 (18013124)      3.34742 (18013124)      3.43492 (18013124)      3.32126 (18013124)
3.07535 (18013124)
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**MODELOPTs: RegDFAULT CONC ELEV RURAL VectorWS

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): G1000 , G2000 , B10 , B50 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS) 741708.38	741758.38	741808.38	741858.38	741908.38
160260.6	3.99357 (18081324)	3.16401 (18081324)	3.22055 (18060124)	3.10649 (18060124)	2.95082c(18042824)
160210.6	3.60951 (18081324)	3.97430c(18042824)	3.97314c(18042824)	3.71027c(18042824)	3.13888 (18042024)
160160.6	3.78297c(18042824)	3.92065c(18042824)	3.61532c(18042824)	2.79037 (18042024)	2.30718 (18060124)
160110.6	3.00799 (18060124)	2.96559 (18060124)	2.77691 (18060124)	2.46014 (18060124)	2.13065 (18060124)
160060.6	3.07261 (18060124)	2.91654 (18060124)	2.64788 (18060124)	2.31561 (18060124)	1.99958 (18060124)
160010.6	3.09212 (18060124)	2.84129 (18060124)	2.52001 (18060124)	2.18951 (18060124)	1.89442 (18060124)
159960.6	3.09006 (18060124)	2.75944 (18060124)	2.40161 (18060124)	2.07034 (18060124)	1.78678 (18060124)
159910.6	3.03205 (18060124)	2.64880 (18060124)	2.28204 (18060124)	1.96051 (18060124)	1.85857 (18083024)
159860.6	2.93189 (18060124)	2.53164 (18060124)	2.17260 (18060124)	2.03513 (18083024)	1.95172 (18083024)
159810.6	2.81761 (18060124)	2.42189 (18060124)	2.24405 (18083024)	2.12499 (18083024)	1.85437 (18083024)
159760.6	2.70430 (18060124)	2.48109 (18083024)	2.32034 (18083024)	1.99030 (18083024)	1.61404 (18083024)
159710.6	2.76019 (18083024)	2.53181 (18083024)	2.12536 (18083024)	1.68807 (18083024)	1.48000 (18070524)
159660.6	2.77459 (18083024)	2.26445 (18083024)	1.75883 (18083024)	1.70552 (18070524)	1.73967 (18070524)
159610.6	2.41194 (18083024)	1.91058 (18070524)	1.97001 (18070524)	1.95387 (18070524)	1.86844 (18070524)
159560.6	2.26119 (18070524)	2.25904 (18070524)	2.15904 (18070524)	1.98395 (18070524)	1.76744 (18070524)
159510.6	2.56614 (18070524)	2.33525 (18070524)	2.04525 (18070524)	1.74658 (18070524)	1.51822 (18083124)
159460.6	2.42751 (18070524)	2.01836 (18070524)	1.79713 (18083124)	1.64766 (18083124)	1.49978 (18070424)
159410.6	2.14288 (18070424)	1.96738 (18070424)	1.78181 (18070424)	1.60807 (18020724)	1.47668 (18020724)
159360.6	2.21126 (18020724)	2.00925 (18020724)	1.81711 (18043024)	1.79415 (18043024)	1.75074 (18043024)
159310.6	3.03679 (18043024)	2.93897 (18043024)	2.81563 (18043024)	2.66658 (18043024)	2.51959 (18043024)
159260.6	4.13617 (18043024)	3.80491 (18043024)	3.50155 (18043024)	3.22101 (18043024)	2.97004 (18043024)
159210.6	4.62549 (18122524)	4.30163 (18122524)	3.97938 (18122524)	3.66109 (18122524)	3.36447 (18122524)
159160.6	5.34785 (18122524)	4.91520 (18122524)	4.50907 (18122524)	4.12334 (18122524)	3.77195 (18122524)
159110.6	6.00909 (18021324)	5.41348 (18021324)	4.84404 (18021324)	4.33659 (18122524)	3.97123 (18122524)
159060.6	6.72714 (18021324)	6.30404 (18021324)	5.81115 (18021324)	5.29633 (18021324)	4.79851 (18021324)
159010.6	6.50901 (18122024)	6.21591 (18021324)	6.01754 (18021324)	5.71774 (18021324)	5.35660 (18021324)
158960.6	6.96265 (18032624)	6.60308 (18032624)	5.99009 (18032624)	5.44129 (18021324)	5.33572 (18021324)
158910.6	7.09016 (18021224)	6.62611 (18032624)	6.49871 (18032624)	6.11145 (18032624)	5.56911 (18032624)
158860.6	7.54759 (18021224)	7.18267 (18021224)	6.44219 (18021224)	6.21193 (18032624)	6.02708 (18032624)
158810.6	7.25960 (18021224)	7.52029 (18021224)	7.22915 (18021224)	6.60246 (18021224)	5.80356 (18032624)
158760.6	6.37874 (18021224)	7.21962 (18021224)	7.47367 (18021224)	7.22550 (18021224)	6.59626 (18021224)
158710.6	5.17557 (18021224)	6.40726 (18021224)	7.15563 (18021224)	7.29312 (18021224)	7.01934 (18021224)
158660.6	5.18939 (18021124)	5.31385 (18021224)	6.31202 (18021224)	6.86848 (18021224)	6.99385 (18021224)
158610.6	5.29671 (18021124)	4.90549 (18021124)	5.22815 (18021224)	6.07797 (18021224)	6.55120 (18021224)
158560.6	5.16514 (18021124)	5.07455 (18021124)	4.66189 (18021124)	5.08866 (18021224)	5.80981 (18021224)
158510.6	4.85813 (18021124)	5.02846 (18021124)	4.87236 (18021124)	4.44375 (18021124)	4.91166 (18021224)
158460.6	4.44080 (18021124)	4.80098 (18021124)	4.88372 (18021124)	4.67764 (18021124)	4.24231 (18021124)
158410.6	3.96931 (18021124)	4.45117 (18021124)	4.72356 (18021124)	4.73559 (18021124)	4.49239 (18021124)

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  158360.6 |      3.48925 (18021124)      4.03269 (18021124)      4.44083 (18021124)      4.63375 (18021124)
4.58391 (18021124)
  158310.6 |      3.03594 (18021124)      3.59379 (18021124)      4.07828 (18021124)      4.40884 (18021124)
4.53158 (18021124)
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**MODELOPTs: RegDFAULT CONC ELEV RURAL VectorWS

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): G1000 , G2000 , B10 , B50 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)				
	741958.38	742008.38	742058.38	742108.38	742158.38
160260.6	2.71755c(18042824)	2.72601 (18042024)	3.00040 (18042024)	3.14179c(18051924)	2.99763c(18051924)
160210.6	3.29754 (18042024)	3.24114 (18042024)	3.05288c(18051924)	2.51003c(18051924)	2.18527c(18051924)
160160.6	2.30755 (18042024)	2.47414c(18051924)	2.21550c(18051924)	1.86044c(18051924)	1.44274c(18051924)
160110.6	1.83051 (18060124)	1.55719 (18060124)	1.32092 (18060124)	1.32317c(18051924)	1.32949 (18083024)
160060.6	1.70997 (18060124)	1.45524 (18060124)	1.42717 (18083024)	1.42370 (18083024)	1.33581 (18083024)
160010.6	1.61300 (18060124)	1.55696 (18083024)	1.53540 (18083024)	1.42201 (18083024)	1.25145 (18083024)
159960.6	1.69821 (18083024)	1.65801 (18083024)	1.51652 (18083024)	1.31334 (18083024)	1.09378 (18083024)
159910.6	1.79758 (18083024)	1.62002 (18083024)	1.38414 (18083024)	1.13805 (18083024)	1.19043 (18102624)
159860.6	1.73421 (18083024)	1.45719 (18083024)	1.18852 (18083024)	1.16026 (18102624)	1.16716 (18102624)
159810.6	1.53049 (18083024)	1.22243 (18083024)	1.19545 (18070524)	1.24589 (18070524)	1.26868 (18070524)
159760.6	1.28637 (18070524)	1.34883 (18070524)	1.39240 (18070524)	1.40027 (18070524)	1.37577 (18070524)
159710.6	1.53795 (18070524)	1.55380 (18070524)	1.53016 (18070524)	1.46810 (18070524)	1.38047 (18070524)
159660.6	1.72043 (18070524)	1.65131 (18070524)	1.54016 (18070524)	1.40638 (18070524)	1.26409 (18070524)
159610.6	1.73379 (18070524)	1.57034 (18070524)	1.39495 (18070524)	1.21976 (18070524)	1.05534 (18070524)
159560.6	1.53771 (18070524)	1.32321 (18070524)	1.22161 (18083124)	1.14081 (18083124)	1.05808 (18083124)
159510.6	1.42059 (18083124)	1.30828 (18083124)	1.19069 (18083124)	1.07848 (18070424)	0.98713 (18070424)
159460.6	1.36855 (18070424)	1.24444 (18070424)	1.13268 (18020724)	1.05355 (18020724)	0.98112 (18020724)
159410.6	1.35706 (18020724)	1.24667 (18020724)	1.14477 (18020724)	1.10195 (18043024)	1.07091 (18043024)
159360.6	1.72336 (18043024)	1.68839 (18043024)	1.63823 (18043024)	1.58080 (18043024)	1.51348 (18043024)
159310.6	2.38684 (18043024)	2.25509 (18043024)	2.12741 (18043024)	2.00767 (18043024)	1.90304 (18043024)
159260.6	2.74473 (18043024)	2.53898 (18043024)	2.35594 (18043024)	2.19270 (18043024)	2.05831 (18043024)
159210.6	3.10215 (18122524)	2.85866 (18122524)	2.63797 (18122524)	2.43814 (18122524)	2.26622 (18122524)
159160.6	3.44877 (18122524)	3.15648 (18122524)	2.89515 (18122524)	2.66425 (18122524)	2.46234 (18122524)
159110.6	3.63274 (18122524)	3.33103 (18122524)	3.06031 (18122524)	2.81813 (18122524)	2.60140 (18122524)
159060.6	4.32688 (18021324)	3.89888 (18021324)	3.51507 (18021324)	3.17155 (18021324)	2.86045 (18021324)
159010.6	4.96513 (18021324)	4.57371 (18021324)	4.19351 (18021324)	3.83088 (18021324)	3.48764 (18021324)
158960.6	5.14378 (18021324)	4.89743 (18021324)	4.61141 (18021324)	4.30278 (18021324)	3.98697 (18021324)
158910.6	4.94706 (18032624)	4.78517 (18021324)	4.66283 (18021324)	4.47518 (18021324)	4.25150 (18021324)
158860.6	5.63055 (18032624)	5.13345 (18032624)	4.59426 (18032624)	4.32248 (18021324)	4.22855 (18021324)
158810.6	5.75414 (18032624)	5.52316 (18032624)	5.15030 (18032624)	4.70470 (18032624)	4.23426 (18032624)
158760.6	5.82670 (18021224)	5.39484 (18032624)	5.28180 (18032624)	5.03544 (18032624)	4.70036 (18032624)
158710.6	6.47849 (18021224)	5.79441 (18021224)	5.07120 (18021224)	4.97569 (18032624)	4.84127 (18032624)
158660.6	6.76230 (18021224)	6.29561 (18021224)	5.69874 (18021224)	5.05044 (18021224)	4.64062 (18032624)
158610.6	6.65980 (18021224)	6.47302 (18021224)	6.07399 (18021224)	5.55308 (18021224)	4.97869 (18021224)
158560.6	6.21773 (18021224)	6.31536 (18021224)	6.16132 (18021224)	5.82540 (18021224)	5.37601 (18021224)
158510.6	5.52611 (18021224)	5.87531 (18021224)	5.96845 (18021224)	5.84671 (18021224)	5.56520 (18021224)
158460.6	4.70663 (18021224)	5.23681 (18021224)	5.54246 (18021224)	5.63174 (18021224)	5.53704 (18021224)
158410.6	4.05553 (18021124)	4.49453 (18021224)	4.95457 (18021224)	5.22399 (18021224)	5.30971 (18021224)

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  158360.6 |      4.31571 (18021124)      3.88750 (18021124)      4.28209 (18021224)      4.68357 (18021224)
4.92252 (18021224)
  158310.6 |      4.43621 (18021124)      4.15347 (18021124)      3.73887 (18021124)      4.07379 (18021224)
4.42615 (18021224)
```

**MODELOPTs: RegDFAULT CONC ELEV RURAL VectorWS

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

INCLUDING SOURCE(S): G1000 , G2000 , B10 , B50 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
741140.32	159424.33	11.60258	(18062324)	741397.82	159385.75	3.55899	(18083024)
741325.15	159244.89	4.58899	(18111924)	741167.24	159587.63	8.88246	(18062324)
741467.81	159444.07	3.94604	(18083024)	740859.49	159531.10	4.28169	(18040924)
740764.38	159464.71	4.12330	(18040924)				

**MODELOPTs: RegDFAULT CONC ELEV RURAL VectorWS

*** THE SUMMARY OF MAXIMUM PERIOD (8760 HRS) RESULTS ***

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

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	3.95403 AT (741208.38, 159360.60, 5.00, 5.00, 0.00)	GC	UCART1
	2ND HIGHEST VALUE IS	3.49726 AT (741208.38, 159310.60, 4.90, 4.90, 0.00)	GC	UCART1
	3RD HIGHEST VALUE IS	3.33211 AT (741208.38, 159410.60, 6.00, 6.00, 0.00)	GC	UCART1
	4TH HIGHEST VALUE IS	2.90352 AT (741208.38, 159460.60, 7.40, 7.40, 0.00)	GC	UCART1
	5TH HIGHEST VALUE IS	2.68572 AT (741158.38, 159360.60, 4.80, 4.80, 0.00)	GC	UCART1
	6TH HIGHEST VALUE IS	2.64918 AT (741258.38, 159460.60, 7.90, 7.90, 0.00)	GC	UCART1
	7TH HIGHEST VALUE IS	2.64729 AT (741158.38, 159310.60, 4.50, 4.50, 0.00)	GC	UCART1
	8TH HIGHEST VALUE IS	2.62489 AT (741208.38, 159510.60, 8.80, 8.80, 0.00)	GC	UCART1
	9TH HIGHEST VALUE IS	2.62428 AT (741258.38, 159510.60, 9.00, 9.00, 0.00)	GC	UCART1
	10TH HIGHEST VALUE IS	2.46440 AT (741258.38, 159560.60, 10.10, 10.10, 0.00)	GC	UCART1

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

```
 *** AERMOD - VERSION  15181 ***   *** D:\Amdal\Lainnya\Zetly\PT Agro\TSP Agro\TSP Agro.isc                 ***
12/16/20
 *** AERMET - VERSION  15181 ***   ***                                                                      ***
18:42:32

PAGE  43
 **MODELOPTs:   RegDFAULT CONC      ELEV      RURAL     VectorWS
                                                *** THE SUMMARY OF HIGHEST  1-HR RESULTS ***


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

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

ALL      HIGH   1ST HIGH VALUE IS     114.64714  ON 18120420: AT (  740358.38,   160260.60,    65.90,   180.00,
0.00)  GC  UCART1


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

**MODELOPTs: RegDFAULT CONC ELEV RURAL VectorWS

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

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

NETWORK GROUP ID OF TYPE GRID-ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)
ALL HIGH 1ST HIGH VALUE IS	21.67712	ON 18091124:	AT (741208.38, 159310.60, 4.90, 4.90, 0.00) GC UCART1

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

```
 *** AERMOD - VERSION  15181 ***   *** D:\Amdal\Lainnya\Zetly\PT Agro\TSP Agro\TSP Agro.isc                *** 
12/16/20
 *** AERMET - VERSION  15181 ***   ***                                                                    *** 
18:42:32

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 **MODELOPTs:   RegDFAULT CONC      ELEV      RURAL     VectorWS

 *** Message Summary : AERMOD Model Execution ***

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

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of          136 Informational Message(s)

 A Total of         8760 Hours Were Processed

 A Total of          125 Calm Hours Identified

 A Total of           11 Missing Hours Identified (  0.13 Percent)


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


    ********   WARNING MESSAGES   ********
 CO W116      20       MODOPT: Vector Wind Speeds specified on MODELOPT Keyword       VECTORWS

    ***********************************
    *** AERMOD Finishes Successfully ***
    ***********************************
```

LAMPIRAN C: Konsentrasi Maksimum SO_2

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF SO2 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
741140.32	159424.33	89.88152	741397.82	159385.75	104.78118
741325.15	159244.89	42.19271	741167.24	159587.63	96.27161
741467.81	159444.07	107.99664	740859.49	159531.10	69.27418
740764.38	159464.71	66.21048			

**MODELOPTs: RegDFAULT CONC ELEV RURAL VectorWS

*** THE SUMMARY OF MAXIMUM PERIOD (8760 HRS) RESULTS ***

** CONC OF SO2 IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	NETWORK RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE	GRID-ID
ALL	1ST HIGHEST VALUE IS	9.61007 AT (741258.38, 159560.60, 10.10, 10.10, 0.00) GC	UCART1
	2ND HIGHEST VALUE IS	9.38629 AT (741258.38, 159610.60, 11.20, 11.20, 0.00) GC	UCART1
	3RD HIGHEST VALUE IS	9.32606 AT (741258.38, 159510.60, 9.00, 9.00, 0.00) GC	UCART1
	4TH HIGHEST VALUE IS	9.32392 AT (741208.38, 159560.60, 10.10, 10.10, 0.00) GC	UCART1
	5TH HIGHEST VALUE IS	9.11946 AT (741208.38, 159610.60, 11.20, 163.00, 0.00) GC	UCART1
	6TH HIGHEST VALUE IS	9.06022 AT (741208.38, 159510.60, 8.80, 8.80, 0.00) GC	UCART1
	7TH HIGHEST VALUE IS	8.91790 AT (741258.38, 159660.60, 12.00, 164.00, 0.00) GC	UCART1
	8TH HIGHEST VALUE IS	8.72764 AT (741308.38, 159610.60, 10.40, 159.00, 0.00) GC	UCART1
	9TH HIGHEST VALUE IS	8.70673 AT (741308.38, 159560.60, 9.60, 9.60, 0.00) GC	UCART1
	10TH HIGHEST VALUE IS	8.67083 AT (741208.38, 159660.60, 12.10, 164.00, 0.00) GC	UCART1

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

LAMPIRAN D: Konsentrasi Maksimum NO_2

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
741140.32	159424.33	178.75057	741397.82	159385.75	129.94081
741325.15	159244.89	214.49831	741167.24	159587.63	113.71402
741467.81	159444.07	104.84716	740859.49	159531.10	101.08875
740764.38	159464.71	90.84966			

*** AERMOD - VERSION 15181 *** *** D:\Amdal\Lainnya\Zetly\PT Agro\NO2 Agro\NO2 Agro.isc *** 12/16/20
*** AERMET - VERSION 15181 *** *** *** 16:51:44

**MODELOPTs: RegDFAULT CONC ELEV RURAL VectorWS

*** THE SUMMARY OF MAXIMUM PERIOD (8760 HRS) RESULTS ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	NETWORK RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
ALL	1ST HIGHEST VALUE IS	31.85626 AT (741208.38, 159360.60, 5.00, 5.00, 0.00)	GC	UCART1
	2ND HIGHEST VALUE IS	29.09816 AT (741208.38, 159310.60, 4.90, 4.90, 0.00)	GC	UCART1
	3RD HIGHEST VALUE IS	24.37414 AT (741208.38, 159410.60, 6.00, 6.00, 0.00)	GC	UCART1
	4TH HIGHEST VALUE IS	21.55154 AT (741158.38, 159310.60, 4.50, 4.50, 0.00)	GC	UCART1
	5TH HIGHEST VALUE IS	20.71983 AT (741158.38, 159360.60, 4.80, 4.80, 0.00)	GC	UCART1
	6TH HIGHEST VALUE IS	18.35541 AT (741208.38, 159460.60, 7.40, 7.40, 0.00)	GC	UCART1
	7TH HIGHEST VALUE IS	16.89155 AT (741258.38, 159160.60, 0.70, 0.70, 0.00)	GC	UCART1
	8TH HIGHEST VALUE IS	16.26226 AT (741158.38, 159410.60, 5.80, 5.80, 0.00)	GC	UCART1
	9TH HIGHEST VALUE IS	16.13826 AT (741308.38, 159160.60, 2.10, 2.10, 0.00)	GC	UCART1
	10TH HIGHEST VALUE IS	15.93707 AT (741258.38, 159410.60, 6.30, 6.30, 0.00)	GC	UCART1

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