DRY STACK TAILINGS FACILITY CONSTRUCTION AND OPERATION PLAN

PART III DSTF DUST MODELING

QML-0009

September 2010

BELLEKENO PROJECT

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1.0 INTRODUCTION

During the Yukon Environmental and Socioeconomic Assessment (YESAB file 2009-0030) of the Bellekeno Project, windblown dust was raised as a significant concern by members of the local community of Keno City. In particular, the Dry Stack Tailings Facility (DSTF) was identified as a specific concern with respect to windblown dust. As a result of this concern, number 71 of the terms and conditions of the recommendations of the YESAB Evaluation Report was written as follows:

> *"Potential dispersal of contaminants from Dry Stack Tailings Facility to Keno must be qualified based on wind dispersion models and local meteorological conditions and provided to (the) appropriate regulator"*

This recommendation was fully accepted by the Yukon Government Decision Body and became number 71 of the Decision Document. Subsequently to issuance of Quartz Mining Licence QML-0009, the requirement for dust modeling was incorporated into the requirements for the Dry Stack Tailings Facility Construction and Operation Plan as follows:

> *"An assessment of the potential dispersal of contaminant dust from the dry stack tailings facility to Keno, based on wind dispersion models and local meteorological conditions"*

Access Consulting Group was retained by Alexco to conduct work on dust modeling from the DSTF using local wind and meteorological data to in order to fulfill the requirements for the DSTF Construction and Operation Plan as detailed in the letter from EM&R to Alexco dated November 18, 2009 regarding Bellekeno Mine Project QML-0009 – Plan Requirements. This document is intended to fulfill item (e) from this letter, which reads the same as number 71 of the Decision Document (as above). Item (f) from this letter requiring "methods to reduce dust generated by wind or traffic on the dry stack tailings facility" is addressed in Section 8.3.4 of the Mill Development and Operations Plan.

The relationship between dust monitoring as described in the Monitoring and Surveillance Plan and dust control measures and dust abatement are described in Section 4.

1.1 Available Data

1.1.1 DSTF Information

Modeling inputs on the size of the DSTF and property of tailings with respect to dust potential was taken from a report by EBA Engineering Consultants Ltd. for Alexco entitled “Preliminary Engineering Design and Management Plan, Dry-Stacked Tailings Facility, Bellekeno Mine Mill Site, Yukon”.

1.1.2 Meteorological Information

The nearest publicly available current and recent historical weather data to the Flame and Moth mill site is at Mayo Airport. Alexco owns a remote Onset HOBO datalogging weather station on Galena Hill, approximately 3.5 km to the west of the mill site. This weather station sits above the historical Hector Calumet adit at approximately 1370 m elevation. Clause 41 of Type A Water Licence QZ09-092 requires that Alexco establish a meteorological monitoring station at the Flame and Moth Mill site, which must collect data on precipitation, temperature, wind speed and direction. However, this weather station has not yet been commissioned, so no climate data from the mill site itself was available for this modeling exercise.

Meteorological information was derived from weather data collected by a remote weather station at the top of Galena Hill commissioned by Alexco on June 15, 2007. This remote station has been set to collect a variety of information every 15 minutes including soil temperature, rainfall, atmospheric pressure, solar radiation, air temperature, relative humidity, dew point, wind speed, gust speed, and wind direction.

For the purposes of modeling, wind and weather information collected at the Galena Hill weather station is expected to be more representative of mill site weather conditions than Mayo. However, it is acknowledged that significant differences probably exist between climate conditions at Galena Hill (1370m elevation) compared with the mill site (~900 m elevation). In particular, precipitation (MAR) has been correlated strongly with elevation within the district (see Environmental Conditions Report, Access Consulting, 2009). Similarly, temperature atmospheric pressure, relative humidity and dew point are highly dependent on elevation and are expected to be skewed due to the elevation difference of about 470m.

For the purposes of dust modeling, wind direction and wind speed were the most important variables. With respect to local wind patterns, elevation differences and local topography may play a major role. Thus, Galena Hill wind pattern information may differ from wind patterns at the mill site and Keno City. However, the Galena Hill data are deemed sufficient for the conclusions reached in this investigation.

2.0 WIND ANALYSIS

An analysis of wind speed and direction was undertaken using WRPLOT software which developed by Lakes Environmental Software. Data from the Galena Hill station between June 15, 2007 and May 4, 2010 was processed to produce hourly wind speed and direction data which was inputted into WRPLOT. The data file from the HOBO Galena Hill weather station included continuous records for every 15 minutes. All records except for hourly were filtered in order to produce hourly records which WRPLOT required. Complete results of this wind analysis can be found as Appendix A.

2.1 Summary of Results of Wind Analysis

Predominant winds were from the southeast (see Figure 1 below) in approximately 33% of the records. Calms were reported for 39.41% of the records. Winds from the north were observed in approximately 5% of the records. Winds from a generally westerly (between 236.25 ^{o} -303.75^{o} direction were observed in approximately 5% of the records.

Wind speeds were also highest when from the southeast, often exceeding 5.5 m/s and occasionally exceeding 10 m/s, while winds from the east never exceeded 5.5 m/s. Winds from the north occasionally exceeded 5.5 m/s while winds from the northeast were also light, never exceeding 5.5 m/s

A discussion of this wind analysis and its incorporation into the dust modeling exercise is included in subsequent sections.

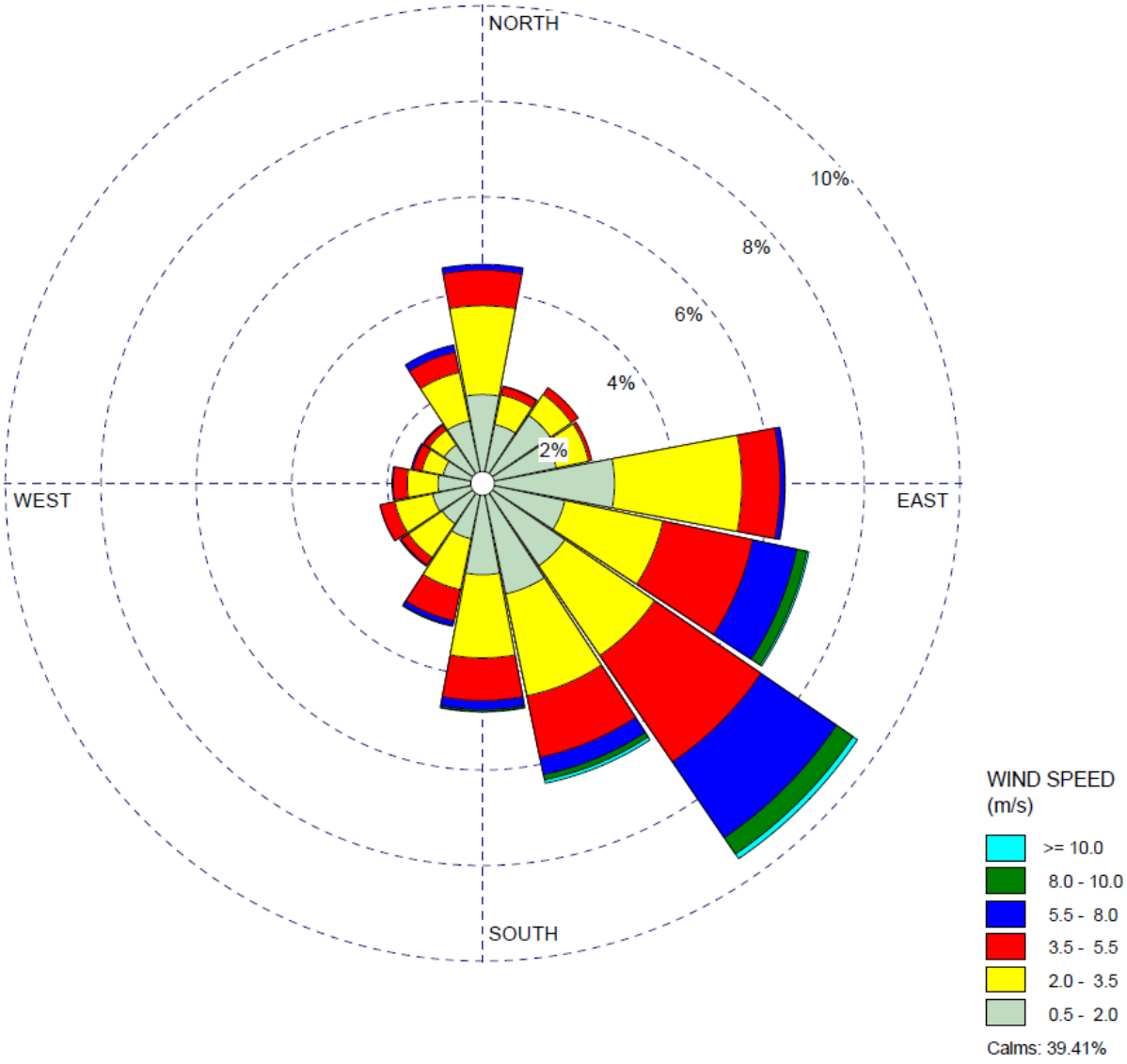

Figure 1 Galena Hill Wind Plot

3.0 DUST MODELING OF FLAME AND MOTH DRY STACK TAILINGS FACILITY

ISC3 (Industrial Source Complex) model is a popular steady-state Gaussian plume model which can be used to assess pollutant concentrations from a wide variety of sources associated with an industrial complex.

This model can account for the following:

- Point, area, line, and volume sources
- Settling and dry deposition of particles
- Downwash
- Separation of point sources
- Limited terrain adjustment

ISC3 operates in both long-term and short-term modes. The screening version of ISC3 is SCREEN3.

This model was created by EPA to predict pollutant dispersion from industrial facilities and is available as a computer program from the EPA website. Reed (2005) in a paper on significant dust dispersion models for mining operations states that “no other dust dispersion model has impacted the surface mining industry as much as the ISC3 model”[1]. Since this model is well established, easily available and includes the option of an area emission source, it was chosen for this study. The short-term mode was used in order to provide results comparable to the BC Air Quality Objectives and Standards Level A criteria, which are given for a 24-hr averaging period.

Very recently, the status of ISC3 as a Preferred/Recommended Model of the US Environmental Protection Agency has been withdrawn, but it can still be used as an alternative to the Preferred/Recommended models in regulatory applications with case-by-case justification to the reviewing authority.

[1] Reed, W.R. 2005. *Significant Dust Dispersion Models for Mining Operations*, p.13

3.1 **Input data**

ISC short term version required two sets of data: source data and hourly meteorological data:

3.1.1 Source data

- Dimensions of the source
- Emission discharge rate
- Release height of the emission source

3.1.2 Meteorological data

- Ambient temperature, K
- Wind direction, entered as wind vector, or direction toward which wind is blowing
- Wind speed, m/s
- Atmospheric stability classes (A through F, entered as 1 through 6)
- Urban and rural mixing height, m

Temperature, wind speed are direction could be obtained directly from Galena Hill weather station, but since this station collects only surface data, atmospheric stability classes and mixing heights had to be derived.

The stability classes were derived based on the wind speed, the daytime incoming solar radiation and the nighttime cloud cover. Table 1 below describes the 6 stability classes, while Table 2 shows the correspondence between the meteorological parameters listed above and the different classes.

Table 1 The Pasquill stability classes

Stability class	Definition	Stability class	Definition
A	very unstable	D	neutral
B	unstable	E	slightly stable
C	slightly unstable	F	stable

Table 2 Meteorological conditions that define the Pasquill stability classes

Surface windspeed		Daytime incoming solar radiation			Nighttime cloud cover	
m/s	mi/h	Strong	Moderate	Slight	> 50%	< 50%
< 2	< 5	A	A – B	B	E	F
2 – 3	5 – 7	A – B	B	C	E	F
3 – 5	7 – 11	B	B – C	C	D	E
5 – 6	11 – 13	C	C – D	D	D	D
> 6	> 13	C	D	D	D	D
Note: Class D applies to heavily overcast skies, at any windspeed day or night						

The mixing height was calculated with an online calculator provided by the Commonwealth Scientific and Industrial Research Organisation (CSIRO). The calculator takes into account the date, surface type (in this case coniferous forest), latitude, air temperature, temperature gradient (assumed to be normal or 0.006 ºC/m), cloud cover (some cloud cover was assumed) and wind speed. The calculator produced an hourly mixing height between 6:00AM and 6:00PM, nighttime mixing height was assumed to be 50m.

3.2 **Source Type**

ISCST3 has a number of options for modeling a number of source types including a point source, volume source, area source and line source. A simple area source of 50m*100m was chosen to represent the approximate maximum footprint of tailings which might be exposed during any phase of progressive annual construction, as described in the EBA Report.

For an area source, an emission rate per unit area has to be specified. In 1989, the US EPA published a report which provided a basis for calculating the short-term hourly TSP emission factor for windblown dust from active storage piles (in units lb/acre-hour). The emission factor is equal to the wind speed (in units of mph) multiplied by a factor of 0.72. For example, the average wind speed observed at Galena Hill station between 2007 and 2010 was 2.6 m/s, which would yield an emission factor of 0.00013 g/s·m^2, after unit conversion. For each run of

the model, the emission factor was calculated based on the average wind speed. The release height of the emission source was assumed to be 0, indicating that dust is emitted at ground level.

3.2.1 Model Options

The regulatory default options are identified in Appendix A of the Guideline on Air Quality Models (Revised) (EPA, 1987b), and include the following:

- Use stack-tip downwash (except for Schulman-Scire downwash);
- Use buoyancy-induced dispersion (except for Schulman-Scire downwash);
- Do not use gradual plume rise (except for building downwash);
- Use the calms processing routines;
- Use upper-bound concentration estimates for sources influenced by building downwash from super-squat buildings;
- Use default wind speed profile exponents; and
- Use default vertical potential temperature gradients.

Other model options, such as complex terrain, are not affected by the regulatory default options. The default wind profile exponents and vertical potential temperature gradients are provided below in Table 3.

Table 3 Default Wind Profile Exponents and vertical Potential Temperature Gradients

Pasquill Stability Category	Rural Wind Profile Exponent	Urban Wind Profile Exponent	Rural Temperature Gradient (K/m)	Urban Temperature Gradient (K/m)
A	0.07	0.15	0.0	0.0
B	0.07	0.15	0.0	0.0
C	0.10	0.20	0.0	0.0
D	0.15	0.25	0.0	0.0
E	0.35	0.30	0.020	0.020
F	0.55	0.30	0.035	0.035

The model includes the option to allow for dry or wet deposition, but this option requires the input of some parameters into the meteorological data file which were not available, namely the friction velocity and the Monin-Obukhov length. Alternatively, a paper by Pace (2003) produced for the USEPA, provides a method to account for near source particle removal in grid model

applications, based on surface types. Figure 2 illustrates this model. Removal mechanisms include gravitational settling, particle deposition to the ground and impaction and removal due to particle capture by the surrounding vegetation canopy and other physical structures.

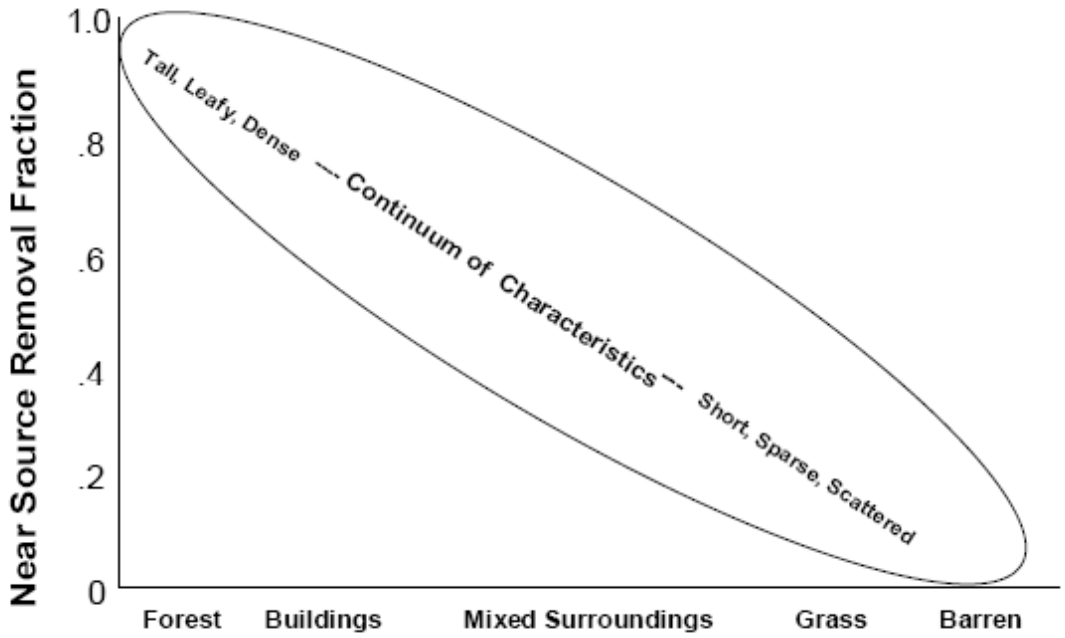

Figure 2 Conceptual model - Potential for Near Source Particle Emissions Removal vs type of Surroundings, from Pace (2003)

Most of the surroundings of the DSTF are forested, but to ensure a conservative estimate of TSP concentrations, a removal fraction of 0.5 was applied to the model results. A rural setting was selected in the model options.

3.2.2 Specifying Variables for Settling, Removal and Deposition Calculations

The ISC models include algorithms to handle the gravitational settling and removal by dry deposition of particulates. The input of source variables for settling and removal are controlled by three keywords on the SO pathway, PARTDIAM, MASSFRAX, and PARTDENS. Default values were used, which assumed no dry deposition. As described above, a near source particle removal factor of 0.5 was added to the model outputs.

3.3 *Receptors*

Keno City is located approximately 1000m east of the DSTF, so a corresponding receptor was input into the model. Concentrations at intermediate receptors every 100m between the DSTF and Keno City were also modeled. The approximate elevation of each receptor was also included in the model, to provide a more realistic terrain representation.

3.4 *Results*

To provide a good overview of potential TSP concentration at Keno City originating from the DSTF, the model was run using historical meteorological data for days with a high percentage of westerly winds (therefore more likely to transport dust towards Keno City), for all seasons. Table 4 below presents maximum concentrations obtained for the Keno City receptor, with and without near source removal, for the various runs. Complete output files are presented in Appendix B.

When comparing the 24-hour concentrations with the BC Air Quality Objectives and Standards Level A criteria of 150 µg/m^3, it is evident that expected concentrations at Keno City are well below that level. It is however interesting to note that higher concentrations are expected to occur on days with a greater proportion of westerly winds but lower average wind speed.

Because historical meteorological data in only available for a 3-year period at Galena Hill weather station (2007 to now), the model was also run with hypothetical weather conditions, for each month of the year. This allows a better overview of potential conditions to be expected in the future and of the associated range of TSP concentration at Keno City. Table 5 below presents the results. Again, 24-hr concentrations at Keno City are expected to be well below BC air quality criteria.

Based on a total of 21 model runs, it was observed that the BC Air Quality Objectives and Standards Level A criteria of 150 µg/m^3 was never reached or exceeded more than 300m away from the DSTF, when taking into account near source particle removal. Only 2 runs showed exceedances between 200m and 300m away from the DSTF, namely December 15, 2008 and hypothetical March 16.

Finally, a worst case scenario run was produced, starting from the run that had produced the highest results (hypothetical April 2nd) and introducing an unrealistic steady westerly 4 m/s wind

vector for 100% of the day. The maximum 24-hr concentration obtained at Keno City was 110 µg/m^3 without near source removal, or 55 µg/m^3 when accounting for near source particle removal. Because it was previously observed that modeled TSP concentrations at Keno City seemed higher when wind speed was lower, another similar run was produced with a steady 1.5 m/s westerly wind. This run yielded slightly higher TSP concentrations at Keno City: 60 µg/m^3 with near source removal (120 µg/m^3 without) (see Table 5). Even this worst case scenario produces results that are well below the BC objective of 150 µg/m^3.

Table 4 Model Outputs Summary for Historical Weather Conditions

Date	% of the day with westerly winds*	Average wind speed (m/s)	Emission factor ($g/s \cdot m^2$)	Maximum Concentration ($\mu g/m^3$) (1-hr average) without near source removal	Maximum Concentration ($\mu g/m^3$) (1-hr average) with near source removal	Maximum Concentration ($\mu g/m^3$) (24-hr average) without near source removal	Maximum Concentration ($\mu g/m^3$)(24-hr average) with near source removal
24-Jul-07	45.8%	2.40	0.00012	60	30	10	5
14-Aug-07	58.3%	2.68	0.00013	140	70	10	5
28-Sep-08	45.8%	1.60	0.00008	130	65	10	5
10-Dec-08	62.5%	3.80	0.00019	160	80	20	10
7-May-09	54.2%	1.79	0.00009	200	100	30	15
30-May-09	50.0%	3.33	0.00017	120	60	10	5
7-Jul-09	41.7%	2.71	0.00014	160	80	10	5

*Westerly winds are defined here as between 255º and 285º

Table 5 Model Outputs Summary for Hypothetical Weather Conditions

Date	% of the day with westerly winds*	Average wind speed (m/s)	Emission factor (g/s·m^2)	Maximum Concentration (µg/m^3) (1-hr average) without near source removal	Maximum Concentration (µg/m^3) (1-hr average) with near source removal	Maximum Concentration (24-hr average) (µg/m^3) without near source removal	Maximum Concentration (µg/m^3) (24-hr average) with near source removal
27-Jan	91.7%	3.27	0.00016	140	70	30	15
16-Feb	54.2%	4.31	0.00022	190	95	20	10
11-Mar	37.5%	6.05	0.00030	110	55	10	5
16-Mar	87.5%	2.42	0.00012	120	60	30	15
23-Mar	62.5%	3.35	0.00017	60	30	10	5
2-Apr	83.3%	4.05	0.00020	220	110	40	20
20-May	62.5%	2.25	0.00011	130	65	20	10
21-Jun	33.3%	1.52	0.00008	150	75	10	5
2-Jul	37.5%	2.88	0.00014	60	30	0	0
12-Aug	58.3%	2.36	0.00012	100	50	10	5
15-Sep	54.2%	2.40	0.00012	210	105	20	10
2-Oct	70.8%	2.64	0.00013	140	70	30	15
3-Nov	66.7%	2.07	0.00010	220	110	30	15
9-Dec	58.3%	2.34	0.00012	180	90	20	10
2-Apr	100%	4.00	0.00020	130	65	110	55
2-Apr	100%	1.50	0.00008	140	70	120	60

*Westerly winds are defined here as between 255º and 285º

3.5 *Discussion*

The National Ambient Air Quality Objectives and Guidelines (NAAQOs) in Canada provide a more stringent value for TSP concentration of 120 µg/m^3. Even considering this more stringent standard, model results remain well below benchmark levels of protection for people and the environment.

PM_{10} (particles of 10 micrometers or less), also known as “respirable particles”, can cause effects on breathing and respiratory systems, damage to lung tissue, cancer, and premature death. $PM_{2.5}$ (particles of 2.5 microns or less) pose an even greater concern to human health due to their ability to travel farther than PM_{10} into the human body. BC Air Quality Objective for PM_{10} is 50 µg/m^3 (24-hr average) while the $PM_{2.5}$ objective is 25 µg/m^3 (24-hr average). The Canada-Wide Standard (CWS) for $PM_{2.5}$ is 30 µg/m^3 (24-hr average).

Based on the PM_{10}/TSP ratio of 0.5 for wind blown dust from active storage piles published in Section 13.2.5 of AP-42 and a $PM_{2.5}/PM_{10}$ ratio of 0.15 for wind blown dust (EPA, 1995c), modeled 24-hr maximum PM_{10} and $PM_{2.5}$ concentrations at Keno City (including with near source removal) could reach 10 µg/m^3 and 1.5 µg/m^3 respectively. Again, these values are well below both the CWS and BC Air Quality Objectives and therefore will ensure protection of human health and of the environment.

4.0 CONCLUSIONS

An analysis of near local meteorological conditions using wind and climate data collected by Alexco’s Onset HOBO datalogging weather station on Galena Hill, approximately 3.5 km to the west of the mill site showed that the dominant wind direction is from the southeast, and that winds blowing from the east occur in less than 5% of the records, and when they do occur, are light (less than 5.5 m/s). This leads to the conclusion that any dust that was to escape from the DSTF will likely only very infrequently be transported towards Keno City.

Although it is acknowledged that meteorological conditions as represented by the data from the Galena Hill weather station may not be representative of that at the mill site/Keno City, it is expected that it is a useful first approximation. A weather station will be set up at the mill site

shortly, which, after a period of time (at least 1 year), could enable the modeling exercise to be repeated with local data. However, at that point, actual results from the dust monitoring as required and described in the Monitoring and Surveillance Plan will be available, eliminating the relevancy of additional modeling.

In the meantime, the simple air dispersion modeling presented here demonstrates that TSP originating from the DSTF is unlikely to reach concentrations approaching the BC Air Quality Objectives and Standards Level A criteria of 150 µg/m^3 (24-hr average) in Keno City. Depending on meteorological conditions, this level could be reached or exceeded at a distance of up to 300m from the DSTF. On site dust monitoring during mine operation will complement this model.

During operations of the mill site and DSTF, a responsive approach to dust abatement will be taken. Section 8 of the Monitoring and Surveillance Plan describes a two-phase monitoring approach in which initial dustfall monitoring will be undertaken at a location at the edge of the mill site between the DSTF and the receptor (Keno City) and at a reference site near Elsa. Should the Control Objectives for the Mining, Smelting and Related Industries of BC (1979) recommended limits for dustfall be exceeded at the edge of the mill site, a second more rigorous phase of TSP monitoring would be triggered.

The results of dust monitoring will be used to determine the effectiveness of dust control measures and trigger additional/more rigorous application of dust abatement measures. Planned dust control and abatement measures for the mill site and DSTF are fully described in Section 8.3.4 of the Mill Development and Operations Plan.

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APPENDIX A –
Wind Analysis Results

Station ID: 99999 Run ID:
Year: 2007 2008 2009 2010
Date Range: Jan 1 - Dec 31
Time Range: 00:00 - 23:00

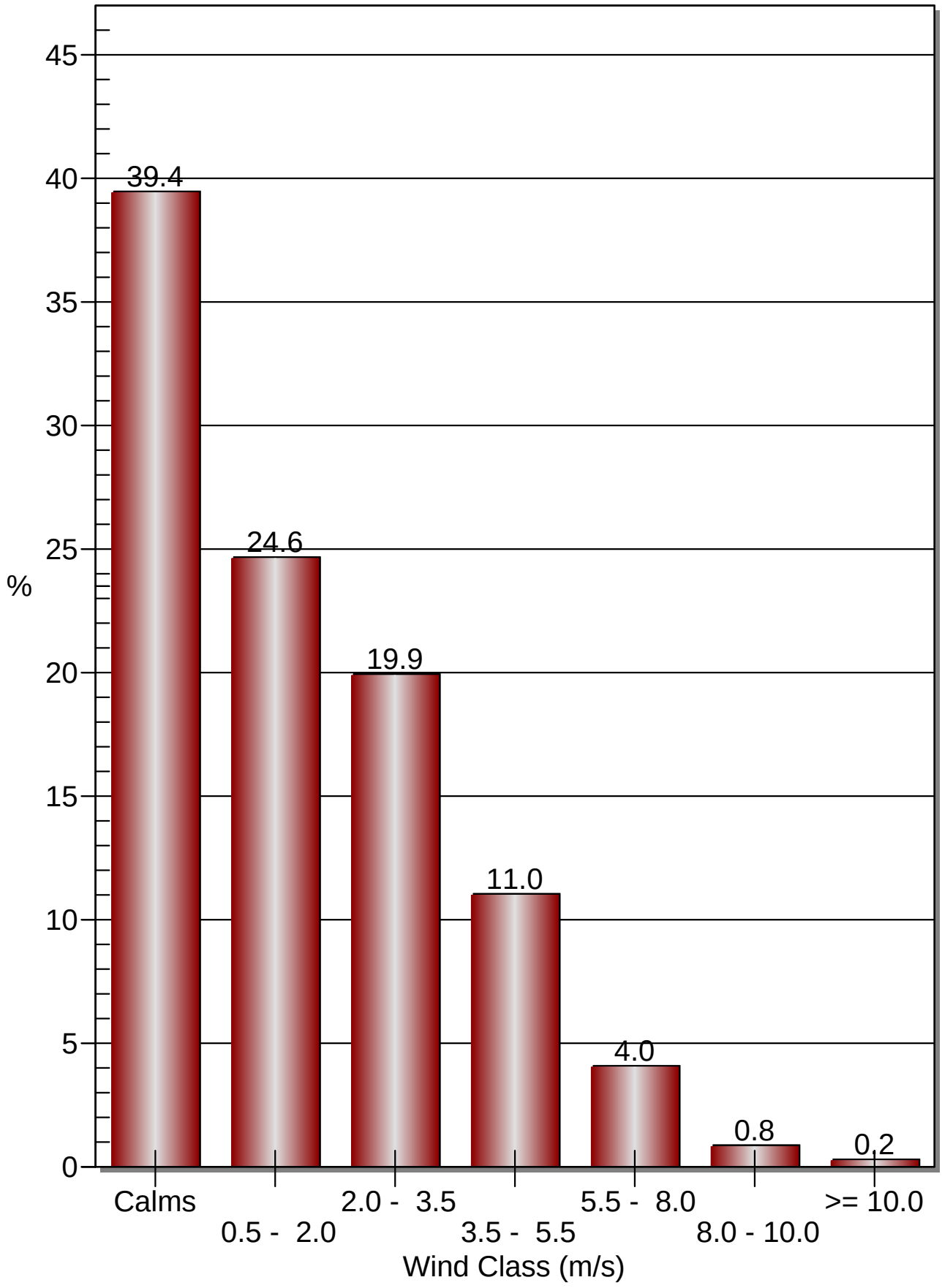
Frequency Distribution
(Count)

Wind Direction (Blowing From) / Wind Speed (m/s)

	0.5 - 2.0	2.0 - 3.5	3.5 - 5.5	5.5 - 8.0	8.0 - 10.0	>= 10.0	Total
348.75-11.25	469	469	188	31	0	0	**1157**
11.25-33.75	317	160	44	4	0	0	**525**
33.75-56.25	434	134	45	0	0	0	**613**
56.25-78.75	398	174	18	0	0	0	**590**
78.75-101.25	697	672	202	26	1	0	**1598**
101.25-123.75	444	529	485	237	56	11	**1762**
123.75-146.25	526	574	680	484	105	30	**2399**
146.25-168.75	596	550	331	93	29	18	**1617**
168.75-191.25	482	439	225	47	10	3	**1206**
191.25-213.75	299	274	168	26	5	0	**772**
213.75-236.25	258	215	48	6	1	0	**528**
236.25-258.75	269	204	79	2	0	0	**554**
258.75-281.25	235	163	74	7	0	0	**479**
281.25-303.75	213	113	49	8	1	0	**384**
303.75-326.25	246	94	32	7	0	0	**379**
326.25-348.75	337	260	110	40	0	0	**747**
Total	6220	5024	2778	1018	208	62	25270

Frequency of Calm Winds: 9960
Average Wind Speed: 1.65 m/s

Wind Class Frequency Distribution



Station ID: 99999 Run ID:
Year: 2007 2008 2009 2010
Date Range: Jan 1 - Dec 31
Time Range: 00:00 - 23:00

Frequency Distribution
(Normalized)

Wind Direction (Blowing From) / Wind Speed (m/s)

	0.5 - 2.0	2.0 - 3.5	3.5 - 5.5	5.5 - 8.0	8.0 - 10.0	>= 10.0	Total
348.75-11.25	0.018560	0.018560	0.007440	0.001227	0.000000	0.000000	**0.045786**
11.25-33.75	0.012545	0.006332	0.001741	0.000158	0.000000	0.000000	**0.020776**
33.75-56.25	0.017175	0.005303	0.001781	0.000000	0.000000	0.000000	**0.024258**
56.25-78.75	0.015750	0.006886	0.000712	0.000000	0.000000	0.000000	**0.023348**
78.75-101.25	0.027582	0.026593	0.007994	0.001029	0.000040	0.000000	**0.063237**
101.25-123.75	0.017570	0.020934	0.019193	0.009379	0.002216	0.000435	**0.069727**
123.75-146.25	0.020815	0.022715	0.026909	0.019153	0.004155	0.001187	**0.094935**
146.25-168.75	0.023585	0.021765	0.013099	0.003680	0.001148	0.000712	**0.063989**
168.75-191.25	0.019074	0.017372	0.008904	0.001860	0.000396	0.000119	**0.047725**
191.25-213.75	0.011832	0.010843	0.006648	0.001029	0.000198	0.000000	**0.030550**
213.75-236.25	0.010210	0.008508	0.001899	0.000237	0.000040	0.000000	**0.020894**
236.25-258.75	0.010645	0.008073	0.003126	0.000079	0.000000	0.000000	**0.021923**
258.75-281.25	0.009300	0.006450	0.002928	0.000277	0.000000	0.000000	**0.018955**
281.25-303.75	0.008429	0.004472	0.001939	0.000317	0.000040	0.000000	**0.015196**
303.75-326.25	0.009735	0.003720	0.001266	0.000277	0.000000	0.000000	**0.014998**
326.25-348.75	0.013336	0.010289	0.004353	0.001583	0.000000	0.000000	**0.029561**
Total	0.246142	0.198813	0.109933	0.040285	0.008231	0.002454	0.605857

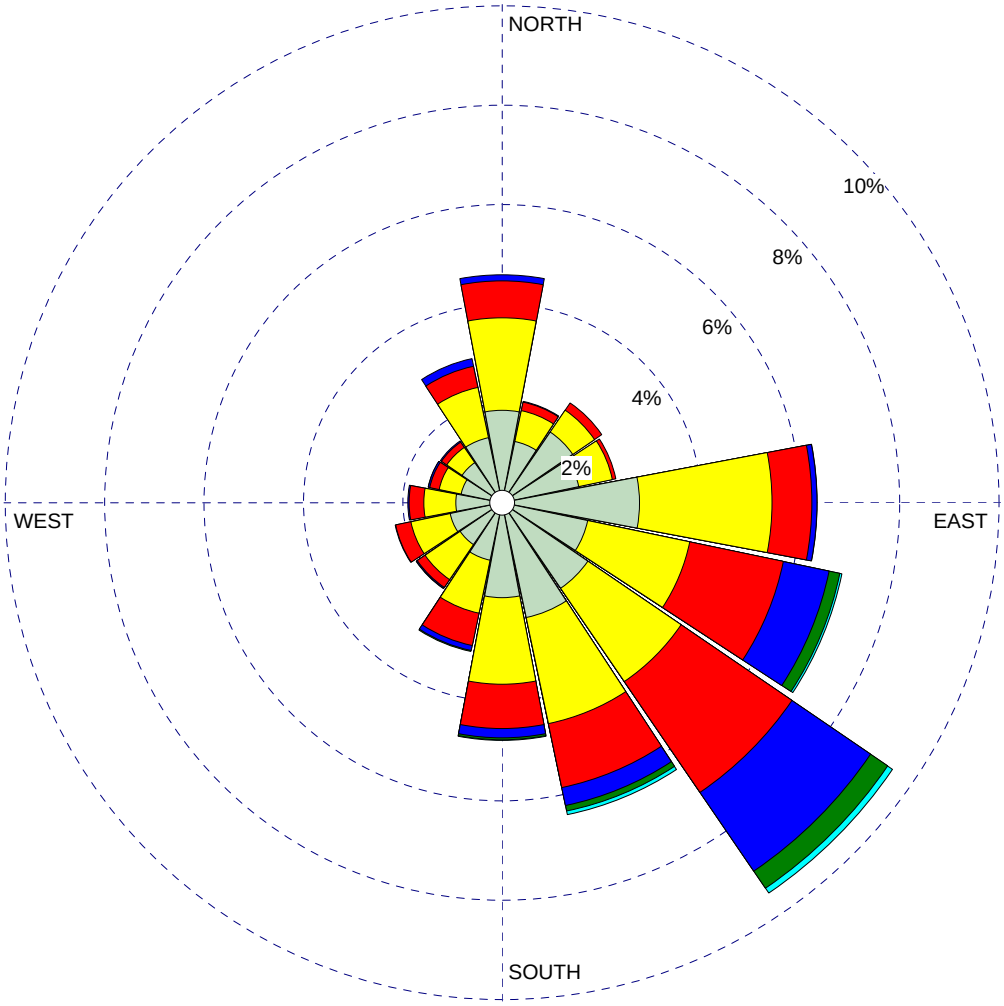
Frequency of Calm Winds: 39.41%
Average Wind Speed: 1.65 m/s

WIND ROSE PLOT:

Galena Hill Weather Station

DISPLAY:

Wind Speed
Direction (blowing from)



WIND SPEED
(m/s)

- >= 10.0
- 8.0 - 10.0
- 5.5 - 8.0
- 3.5 - 5.5
- 2.0 - 3.5
- 0.5 - 2.0

Calms: 39.41%

COMMENTS:	DATA PERIOD: **2007-2010 Jan 1 - Dec 31 00:00 - 23:00**	COMPANY NAME: **Access Consulting Group**	
		MODELER: **Ethan Allen**	ACCESS CONSULTING GROUP
	CALM WINDS: **39.41%**	TOTAL COUNT: **25270 hrs.**	
	AVG. WIND SPEED: **1.65 m/s**	DATE: **7/22/2010**	PROJECT NO.:

APPENDIX B –
ISCST3 Output Files

```
CO STARTING
CO TITLEONE RUN1
CO MODELOPT DFAULT CONC RURAL
CO AVERTIME  1 24
co terrhgts elev
co flagpole 0.0
CO POLLUTID TSP
CO DCAYCOEF      .00000000
CO RUNORNOT RUN
CO ERRORFIL ERRORS.LST
CO FINISHED


SO STARTING

**       SRCID  SRCTYP   XS      YS      ZS
**       ----- ------  -----   -----    -----
SO LOCATION    1   AREA     0.      0.     .0000

**       SRCID    QS      HS     XINIT   YINIT
**       -----  ----    ----   -----  -----
SO SRCPARAM    1   0.00009    0.0    100.    50.

SO EMISUNIT    1.0 (GRAMS/(SEC-M**2))          grams/cubic-meter

SO SRCGROUP ALL
SO FINISHED


RE STARTING
RE DISCCART    100.     0.  920.   0.0
RE DISCCART    200.     0.  940.   0.0
RE DISCCART    300.     0.  950.   0.0
RE DISCCART    400.     0.  945.   0.0
RE DISCCART    500.     0.  945.   0.0
RE DISCCART    600.     0.  940.   0.0
RE DISCCART    700.     0.  940.   0.0
RE DISCCART    800.     0.  935.   0.0
RE DISCCART    900.     0.  930.   0.0
RE DISCCART   1000.     0.  930.   0.0
RE FINISHED


ME STARTING
ME INPUTFIL  MAY.MET
ME ANEMHGHT    3.0 METERS
ME SURFDATA  99999   2010          SURFNAME
ME UAIRDATA  99999   2010          UAIRNAME
ME WINDCATS    1.54    3.09    5.14    8.23   10.80
ME FINISHED
```

OU STARTING
OU RECTABLE ALLAVE FIRST SECOND
OU MAXTABLE ALLAVE 50
OU FINISHED

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

CONC RURAL ELEV FLGPOL DFAULT

*** MODEL SETUP OPTIONS SUMMARY ***

**Intermediate Terrain Processing is Selected

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

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

**Model Uses RURAL Dispersion.

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

**Model Accepts Receptors on ELEV Terrain.

**Model Accepts FLAGPOLE Receptor Heights.

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

**This Run Includes: 1 Source(s); 1 Source Group(s); and 10 Receptor(s)

**The Model Assumes A Pollutant Type of: TSP

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

**Output Options Selected:

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs Tables of Overall Maximum Short Term Values (MAXTABLE Keyword)

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

**Misc. Inputs: Anem. Hgt. (m) = 3.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = (GRAMS/(SEC-M**2)) ; Emission Rate Unit Factor = 1.0000
Output Units = GRAMS/CUBIC-METER

**Approximate Storage Requirements of Model = 1.2 MB of RAM.

**Input Runstream File: MONTHLY.INP
**Output Print File: MAY.OUT
**Detailed Error/Message File: ERRORS.LST
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/01/10
*** *** 10:32:46
**MODELOPTs: PAGE 2
CONC RURAL ELEV FLGPOL DFAULT

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (USER UNITS /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	EMISSION RATE SCALAR VARY BY
1	0	0.90000E-04	0.0	0.0	0.0	0.00	100.00	50.00	0.00	0.00	

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/01/10
*** *** 10:32:46
**MODELOPTs: PAGE 3
CONC RURAL ELEV FLGPOL DFAULT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	1 ,

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/01/10
*** *** 10:32:46
**MODELOPTs: PAGE 4
CONC RURAL ELEV FLGPOL DFAULT

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

(100.0, 0.0, 920.0, 0.0); (200.0, 0.0, 940.0, 0.0);
(300.0, 0.0, 950.0, 0.0); (400.0, 0.0, 945.0, 0.0);
(500.0, 0.0, 945.0, 0.0); (600.0, 0.0, 940.0, 0.0);
(700.0, 0.0, 940.0, 0.0); (800.0, 0.0, 935.0, 0.0);
(900.0, 0.0, 930.0, 0.0); (1000.0, 0.0, 930.0, 0.0);

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

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

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

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

1.54, 3.09, 5.14, 8.23, 10.80,

*** WIND PROFILE EXPONENTS ***

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

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

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

CONC RURAL ELEV FLGPOL DFAULT

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

FILE: MAY.MET
FORMAT: (4I2,2F9.4,F6.1,I2,2F7.1,f9.4,f10.1,f8.4,i4,f7.2)
SURFACE STATION NO.: 99999 UPPER AIR STATION NO.: 99999
NAME: SURFNAME NAME: UAIRNAME
YEAR: 2010 YEAR: 2010

YR MN DY HR	FLOW VECTOR	SPEED (M/S)	TEMP (K)	STAB CLASS	MIXING HEIGHT (M) RURAL	URBAN	USTAR (M/S)	M-O LENGTH (M)	Z-0 (M)	IPCODE	PRATE (mm/HR)
09 05 07 01	75.5	1.48	274.6	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09 05 07 02	50.2	2.97	273.3	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09 05 07 03	55.9	2.97	272.9	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09 05 07 04	79.7	3.34	272.4	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09 05 07 05	95.2	2.04	272.0	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09 05 07 06	95.2	1.48	272.0	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09 05 07 07	91.0	2.04	272.0	6	477.0	477.0	0.0000	0.0	0.0000	0	0.00
09 05 07 08	81.1	2.04	271.5	6	535.0	535.0	0.0000	0.0	0.0000	0	0.00
09 05 07 09	91.0	1.48	271.5	6	639.0	639.0	0.0000	0.0	0.0000	0	0.00
09 05 07 10	74.1	1.67	271.5	5	767.0	767.0	0.0000	0.0	0.0000	0	0.00
09 05 07 11	112.0	0.00	271.0	5	903.0	903.0	0.0000	0.0	0.0000	0	0.00
09 05 07 12	64.3	1.11	272.4	5	1037.0	1037.0	0.0000	0.0	0.0000	0	0.00
09 05 07 13	124.7	0.93	272.4	5	1162.0	1162.0	0.0000	0.0	0.0000	0	0.00
09 05 07 14	119.0	1.86	272.4	5	1275.0	1275.0	0.0000	0.0	0.0000	0	0.00
09 05 07 15	91.0	1.86	273.3	5	1373.0	1373.0	0.0000	0.0	0.0000	0	0.00
09 05 07 16	96.6	2.23	274.2	5	1453.0	1453.0	0.0000	0.0	0.0000	0	0.00
09 05 07 17	107.8	1.67	273.7	6	1513.0	1513.0	0.0000	0.0	0.0000	0	0.00
09 05 07 18	107.8	2.04	274.2	6	1552.0	1552.0	0.0000	0.0	0.0000	0	0.00
09 05 07 19	130.3	2.04	273.7	6	1570.0	1570.0	0.0000	0.0	0.0000	0	0.00
09 05 07 20	95.2	2.23	274.6	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09 05 07 21	88.1	1.48	275.5	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09 05 07 22	82.5	1.48	274.6	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09 05 07 23	93.8	1.30	274.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09 05 07 24	0.0	0.74	273.3	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00

*** NOTES: STABILITY CLASS 1=A, 2=B, 3=C, 4=D, 5=E AND 6=F.
FLOW VECTOR IS DIRECTION TOWARD WHICH WIND IS BLOWING.

CONC RURAL ELEV FLGPOL DFAULT

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00682	(09050723)	200.00	0.00	0.00167	(09050723)
300.00	0.00	0.00110	(09050723)	400.00	0.00	0.00082	(09050723)
500.00	0.00	0.00061	(09050723)	600.00	0.00	0.00044	(09050723)
700.00	0.00	0.00032	(09050723)	800.00	0.00	0.00026	(09050709)
900.00	0.00	0.00023	(09050709)	1000.00	0.00	0.00020	(09050709)

CONC RURAL ELEV FLGPOL DFAULT

*** THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00633	(09050713)	200.00	0.00	0.00153	(09050706)
300.00	0.00	0.00099	(09050706)	400.00	0.00	0.00070	(09050706)
500.00	0.00	0.00044	(09050706)	600.00	0.00	0.00036	(09050709)
700.00	0.00	0.00030	(09050709)	800.00	0.00	0.00023	(09050723)
900.00	0.00	0.00017	(09050723)	1000.00	0.00	0.00014	(09050707)

CONC RURAL ELEV FLGPOL DFAULT

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
100.00	0.00	0.00263c (09050724)	200.00	0.00	0.00044c (09050724)
300.00	0.00	0.00024c (09050724)	400.00	0.00	0.00017c (09050724)
500.00	0.00	0.00012c (09050724)	600.00	0.00	0.00009c (09050724)
700.00	0.00	0.00006c (09050724)	800.00	0.00	0.00005c (09050724)
900.00	0.00	0.00004c (09050724)	1000.00	0.00	0.00003c (09050724)

*** THE 2ND HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
100.00	0.00	0.00000 (00000000)	200.00	0.00	0.00000 (00000000)
300.00	0.00	0.00000 (00000000)	400.00	0.00	0.00000 (00000000)
500.00	0.00	0.00000 (00000000)	600.00	0.00	0.00000 (00000000)
700.00	0.00	0.00000 (00000000)	800.00	0.00	0.00000 (00000000)
900.00	0.00	0.00000 (00000000)	1000.00	0.00	0.00000 (00000000)

*** THE MAXIMUM 50 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

** CONC OF TSP IN GRAMS/CUBIC-METER **

RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)	OF TYPE	RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)	OF TYPE
1.	0.00682	(09050723)	AT	(100.00, 0.00)	DC	26.	0.00071	(09050718)	AT	(200.00, 0.00)	DC
2.	0.00633	(09050713)	AT	(100.00, 0.00)	DC	27.	0.00070	(09050706)	AT	(400.00, 0.00)	DC
3.	0.00632	(09050706)	AT	(100.00, 0.00)	DC	28.	0.00068	(09050709)	AT	(300.00, 0.00)	DC
4.	0.00584	(09050717)	AT	(100.00, 0.00)	DC	29.	0.00066	(09050720)	AT	(300.00, 0.00)	DC

5.	0.00478 (09050718) AT (	100.00,	0.00)	DC	30.	0.00065 (09050716) AT (	200.00,	0.00)	DC
6.	0.00459 (09050705) AT (	100.00,	0.00)	DC	31.	0.00061 (09050723) AT (	500.00,	0.00)	DC
7.	0.00432 (09050719) AT (	100.00,	0.00)	DC	32.	0.00052 (09050709) AT (	400.00,	0.00)	DC
8.	0.00420 (09050720) AT (	100.00,	0.00)	DC	33.	0.00051 (09050705) AT (	400.00,	0.00)	DC
9.	0.00419 (09050709) AT (	100.00,	0.00)	DC	34.	0.00050 (09050715) AT (	200.00,	0.00)	DC
10.	0.00356 (09050714) AT (	100.00,	0.00)	DC	35.	0.00049 (09050707) AT (	300.00,	0.00)	DC
11.	0.00304 (09050707) AT (	100.00,	0.00)	DC	36.	0.00046 (09050720) AT (	400.00,	0.00)	DC
12.	0.00281 (09050716) AT (	100.00,	0.00)	DC	37.	0.00044 (09050706) AT (	500.00,	0.00)	DC
13.	0.00212 (09050715) AT (	100.00,	0.00)	DC	38.	0.00044 (09050723) AT (	600.00,	0.00)	DC
14.	0.00167 (09050723) AT (	200.00,	0.00)	DC	39.	0.00043 (09050709) AT (	500.00,	0.00)	DC
15.	0.00154 (09050721) AT (	100.00,	0.00)	DC	40.	0.00039 (09050716) AT (	300.00,	0.00)	DC
16.	0.00153 (09050706) AT (	200.00,	0.00)	DC	41.	0.00038 (09050707) AT (	400.00,	0.00)	DC
17.	0.00111 (09050705) AT (	200.00,	0.00)	DC	42.	0.00036 (09050709) AT (	600.00,	0.00)	DC
18.	0.00110 (09050723) AT (	300.00,	0.00)	DC	43.	0.00032 (09050705) AT (	500.00,	0.00)	DC
19.	0.00103 (09050709) AT (	200.00,	0.00)	DC	44.	0.00032 (09050715) AT (	300.00,	0.00)	DC
20.	0.00101 (09050720) AT (	200.00,	0.00)	DC	45.	0.00032 (09050723) AT (	700.00,	0.00)	DC
21.	0.00099 (09050706) AT (	300.00,	0.00)	DC	46.	0.00031 (09050721) AT (	200.00,	0.00)	DC
22.	0.00087 (09050717) AT (	200.00,	0.00)	DC	47.	0.00031 (09050707) AT (	500.00,	0.00)	DC
23.	0.00082 (09050723) AT (	400.00,	0.00)	DC	48.	0.00030 (09050709) AT (	700.00,	0.00)	DC
24.	0.00075 (09050707) AT (	200.00,	0.00)	DC	49.	0.00030 (09050720) AT (	500.00,	0.00)	DC
25.	0.00072 (09050705) AT (	300.00,	0.00)	DC	50.	0.00027 (09050706) AT (	600.00,	0.00)	DC

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

CONC RURAL ELEV FLGPOL DFAULT

*** THE MAXIMUM 50 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE

GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

** CONC OF TSP IN GRAMS/CUBIC-METER **

RANK	CONC	(YYMMDDHH) AT	RECEPTOR (XR,YR) OF TYPE	RANK	CONC	(YYMMDDHH) AT	RECEPTOR (XR,YR) OF TYPE
1.	0.00263c	(09050724) AT	(100.00, 0.00) DC	26.	0.00000	(00000000) AT	(0.00, 0.00)
2.	0.00044c	(09050724) AT	(200.00, 0.00) DC	27.	0.00000	(00000000) AT	(0.00, 0.00)
3.	0.00024c	(09050724) AT	(300.00, 0.00) DC	28.	0.00000	(00000000) AT	(0.00, 0.00)
4.	0.00017c	(09050724) AT	(400.00, 0.00) DC	29.	0.00000	(00000000) AT	(0.00, 0.00)
5.	0.00012c	(09050724) AT	(500.00, 0.00) DC	30.	0.00000	(00000000) AT	(0.00, 0.00)
6.	0.00009c	(09050724) AT	(600.00, 0.00) DC	31.	0.00000	(00000000) AT	(0.00, 0.00)
7.	0.00006c	(09050724) AT	(700.00, 0.00) DC	32.	0.00000	(00000000) AT	(0.00, 0.00)
8.	0.00005c	(09050724) AT	(800.00, 0.00) DC	33.	0.00000	(00000000) AT	(0.00, 0.00)
9.	0.00004c	(09050724) AT	(900.00, 0.00) DC	34.	0.00000	(00000000) AT	(0.00, 0.00)
10.	0.00003c	(09050724) AT	(1000.00, 0.00) DC	35.	0.00000	(00000000) AT	(0.00, 0.00)
11.	0.00000	(00000000) AT	(0.00, 0.00)	36.	0.00000	(00000000) AT	(0.00, 0.00)
12.	0.00000	(00000000) AT	(0.00, 0.00)	37.	0.00000	(00000000) AT	(0.00, 0.00)
13.	0.00000	(00000000) AT	(0.00, 0.00)	38.	0.00000	(00000000) AT	(0.00, 0.00)
14.	0.00000	(00000000) AT	(0.00, 0.00)	39.	0.00000	(00000000) AT	(0.00, 0.00)
15.	0.00000	(00000000) AT	(0.00, 0.00)	40.	0.00000	(00000000) AT	(0.00, 0.00)
16.	0.00000	(00000000) AT	(0.00, 0.00)	41.	0.00000	(00000000) AT	(0.00, 0.00)
17.	0.00000	(00000000) AT	(0.00, 0.00)	42.	0.00000	(00000000) AT	(0.00, 0.00)
18.	0.00000	(00000000) AT	(0.00, 0.00)	43.	0.00000	(00000000) AT	(0.00, 0.00)
19.	0.00000	(00000000) AT	(0.00, 0.00)	44.	0.00000	(00000000) AT	(0.00, 0.00)
20.	0.00000	(00000000) AT	(0.00, 0.00)	45.	0.00000	(00000000) AT	(0.00, 0.00)
21.	0.00000	(00000000) AT	(0.00, 0.00)	46.	0.00000	(00000000) AT	(0.00, 0.00)
22.	0.00000	(00000000) AT	(0.00, 0.00)	47.	0.00000	(00000000) AT	(0.00, 0.00)
23.	0.00000	(00000000) AT	(0.00, 0.00)	48.	0.00000	(00000000) AT	(0.00, 0.00)
24.	0.00000	(00000000) AT	(0.00, 0.00)	49.	0.00000	(00000000) AT	(0.00, 0.00)
25.	0.00000	(00000000) AT	(0.00, 0.00)	50.	0.00000	(00000000) AT	(0.00, 0.00)

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

CONC RURAL ELEV FLGPOL DFAULT

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

** CONC OF TSP IN GRAMS/CUBIC-METER **

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

ALL HIGH 1ST HIGH VALUE IS 0.00682 ON 09050723: AT (100.00, 0.00, 920.00, 0.00) DC
NA
HIGH 2ND HIGH VALUE IS 0.00633 ON 09050713: AT (100.00, 0.00, 920.00, 0.00) DC
NA

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/01/10
*** *** 10:32:46
**MODELOPTs: PAGE 14
CONC RURAL ELEV FLGPOL DFAULT

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

** CONC OF TSP IN GRAMS/CUBIC-METER **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	NETWORK RECEPTOR (XR, YR, ZELEV, ZFLAG) OF TYPE GRID-ID
ALL	1ST HIGH VALUE IS	0.00263c ON 09050724:	AT (100.00, 0.00, 920.00, 0.00) DC
ALL	2ND HIGH VALUE IS	0.00000 ON 00000000:	AT (0.00, 0.00, 0.00, 0.00)

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/01/10
*** *** 10:32:46
**MODELOPTs: PAGE 15
CONC RURAL ELEV FLGPOL DFAULT

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

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

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

A Total of 1 Calm Hours Identified

******** FATAL ERROR MESSAGES ********

*** NONE ***

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

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

```
CO STARTING
CO TITLEONE RUN1
CO MODELOPT DFAULT CONC RURAL
CO AVERTIME  1 24
co terrhgts elev
co flagpole 0.0
CO POLLUTID TSP
CO DCAYCOEF      .00000000
CO RUNORNOT RUN
CO ERRORFIL ERRORS.LST
CO FINISHED


SO STARTING

**        SRCID  SRCTYP    XS      YS      ZS
**        ----- ------  -----   -----    -----
SO LOCATION    1    AREA     0.      0.     .0000

**        SRCID    QS      HS     XINIT   YINIT
**        -----  ----    ----   -----  -----
SO SRCPARAM     1   0.00017    0.0     100.     50.

SO EMISUNIT     1.0 (GRAMS/(SEC-M**2))          grams/cubic-meter

SO SRCGROUP ALL
SO FINISHED


RE STARTING
RE DISCCART    100.     0.  920.   0.0
RE DISCCART    200.     0.  940.   0.0
RE DISCCART    300.     0.  950.   0.0
RE DISCCART    400.     0.  945.   0.0
RE DISCCART    500.     0.  945.   0.0
RE DISCCART    600.     0.  940.   0.0
RE DISCCART    700.     0.  940.   0.0
RE DISCCART    800.     0.  935.   0.0
RE DISCCART    900.     0.  930.   0.0
RE DISCCART   1000.     0.  930.   0.0
RE FINISHED


ME STARTING
ME INPUTFIL  MAY(2).MET
ME ANEMHGHT     3.0 METERS
ME SURFDATA  99999   2010          SURFNAME
ME UAIRDATA  99999   2010          UAIRNAME
ME WINDCATS    1.54    3.09    5.14    8.23   10.80
ME FINISHED
```

OU STARTING
OU RECTABLE ALLAVE FIRST SECOND
OU MAXTABLE ALLAVE 50
OU FINISHED

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

CONC RURAL ELEV FLGPOL DFAULT

*** MODEL SETUP OPTIONS SUMMARY ***

- -

**Intermediate Terrain Processing is Selected

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

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

**Model Uses RURAL Dispersion.

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

**Model Accepts Receptors on ELEV Terrain.

**Model Accepts FLAGPOLE Receptor Heights.

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

**This Run Includes: 1 Source(s); 1 Source Group(s); and 10 Receptor(s)

**The Model Assumes A Pollutant Type of: TSP

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

**Output Options Selected:

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs Tables of Overall Maximum Short Term Values (MAXTABLE Keyword)

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

**Misc. Inputs: Anem. Hgt. (m) = 3.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = (GRAMS/(SEC-M**2)) ; Emission Rate Unit Factor = 1.0000
Output Units = GRAMS/CUBIC-METER

**Approximate Storage Requirements of Model = 1.2 MB of RAM.

**Input Runstream File: MONTHLY.INP
**Output Print File: MAY(2).OUT
**Detailed Error/Message File: ERRORS.LST
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/01/10
*** *** 10:34:27
**MODELOPTs: PAGE 2
CONC RURAL ELEV FLGPOL DFAULT

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (USER UNITS /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	EMISSION RATE SCALAR VARY BY
1	0	0.17000E-03	0.0	0.0	0.0	0.00	100.00	50.00	0.00	0.00	

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/01/10
*** *** 10:34:27
**MODELOPTs: PAGE 3
CONC RURAL ELEV FLGPOL DFAULT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	1 ,

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/01/10
*** *** 10:34:27
**MODELOPTs: PAGE 4
CONC RURAL ELEV FLGPOL DFAULT

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

(100.0, 0.0, 920.0, 0.0); (200.0, 0.0, 940.0, 0.0);
(300.0, 0.0, 950.0, 0.0); (400.0, 0.0, 945.0, 0.0);
(500.0, 0.0, 945.0, 0.0); (600.0, 0.0, 940.0, 0.0);
(700.0, 0.0, 940.0, 0.0); (800.0, 0.0, 935.0, 0.0);
(900.0, 0.0, 930.0, 0.0); (1000.0, 0.0, 930.0, 0.0);

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

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

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

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

1.54, 3.09, 5.14, 8.23, 10.80,

*** WIND PROFILE EXPONENTS ***

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

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

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

CONC RURAL ELEV FLGPOL DFAULT

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

FILE: MAY(2).MET
FORMAT: (4I2,2F9.4,F6.1,I2,2F7.1,f9.4,f10.1,f8.4,i4,f7.2)
SURFACE STATION NO.: 99999 UPPER AIR STATION NO.: 99999
NAME: SURFNAME NAME: UAIRNAME
YEAR: 2010 YEAR: 2010

YR MN DY HR	FLOW VECTOR	SPEED (M/S)	TEMP (K)	STAB CLASS	MIXING HEIGHT (M) RURAL	MIXING HEIGHT (M) URBAN	USTAR (M/S)	M-O LENGTH (M)	Z-0 (M)	IPCODE	PRATE (mm/HR)
09 05 30 01	57.3	1.11	275.0	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09 05 30 02	47.4	1.30	275.0	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09 05 30 03	29.2	1.67	275.0	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09 05 30 04	55.9	2.23	274.6	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09 05 30 05	62.9	2.23	274.6	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09 05 30 06	72.7	3.53	274.6	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09 05 30 07	67.1	3.15	274.6	5	1577.0	1577.0	0.0000	0.0	0.0000	0	0.00
09 05 30 08	78.3	3.53	274.6	5	1602.0	1602.0	0.0000	0.0	0.0000	0	0.00
09 05 30 09	75.5	3.15	274.6	4	1647.0	1647.0	0.0000	0.0	0.0000	0	0.00
09 05 30 10	78.3	3.53	275.0	4	1708.0	1708.0	0.0000	0.0	0.0000	0	0.00
09 05 30 11	75.5	4.08	275.0	4	1780.0	1780.0	0.0000	0.0	0.0000	0	0.00
09 05 30 12	78.3	4.64	275.0	4	1858.0	1858.0	0.0000	0.0	0.0000	0	0.00
09 05 30 13	65.7	4.64	275.5	4	1937.0	1937.0	0.0000	0.0	0.0000	0	0.00
09 05 30 14	71.3	5.38	275.0	4	2014.0	2014.0	0.0000	0.0	0.0000	0	0.00
09 05 30 15	74.1	5.20	274.6	4	2144.0	2144.0	0.0000	0.0	0.0000	0	0.00
09 05 30 16	78.3	4.64	275.5	4	2193.0	2193.0	0.0000	0.0	0.0000	0	0.00
09 05 30 17	103.6	4.45	274.6	5	2229.0	2229.0	0.0000	0.0	0.0000	0	0.00
09 05 30 18	109.2	3.34	275.9	5	2250.0	2250.0	0.0000	0.0	0.0000	0	0.00
09 05 30 19	128.9	3.71	276.3	5	2250.0	2250.0	0.0000	0.0	0.0000	0	0.00
09 05 30 20	96.6	2.78	276.3	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09 05 30 21	76.9	2.78	275.9	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09 05 30 22	91.0	4.45	275.9	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09 05 30 23	88.1	3.34	276.3	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09 05 30 24	78.3	2.60	275.9	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00

*** NOTES: STABILITY CLASS 1=A, 2=B, 3=C, 4=D, 5=E AND 6=F.
FLOW VECTOR IS DIRECTION TOWARD WHICH WIND IS BLOWING.

CONC RURAL ELEV FLGPOL DFAULT

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00649	(09053020)	200.00	0.00	0.00155	(09053020)
300.00	0.00	0.00099	(09053020)	400.00	0.00	0.00059	(09053020)
500.00	0.00	0.00029	(09053020)	600.00	0.00	0.00023	(09053022)
700.00	0.00	0.00019	(09053022)	800.00	0.00	0.00016	(09053022)
900.00	0.00	0.00014	(09053022)	1000.00	0.00	0.00012	(09053022)

CONC RURAL ELEV FLGPOL DFAULT

*** THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00379	(09053018)	200.00	0.00	0.00065	(09053022)
300.00	0.00	0.00043	(09053022)	400.00	0.00	0.00033	(09053022)
500.00	0.00	0.00027	(09053022)	600.00	0.00	0.00014	(09053020)
700.00	0.00	0.00007	(09053023)	800.00	0.00	0.00006	(09053023)
900.00	0.00	0.00005	(09053023)	1000.00	0.00	0.00005	(09053023)

CONC RURAL ELEV FLGPOL DFAULT

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00085	(09053024)	200.00	0.00	0.00015	(09053024)
300.00	0.00	0.00007	(09053024)	400.00	0.00	0.00004	(09053024)
500.00	0.00	0.00003	(09053024)	600.00	0.00	0.00002	(09053024)
700.00	0.00	0.00001	(09053024)	800.00	0.00	0.00001	(09053024)
900.00	0.00	0.00001	(09053024)	1000.00	0.00	0.00001	(09053024)

CONC RURAL ELEV FLGPOL DFAULT

*** THE 2ND HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00000	(00000000)	200.00	0.00	0.00000	(00000000)
300.00	0.00	0.00000	(00000000)	400.00	0.00	0.00000	(00000000)
500.00	0.00	0.00000	(00000000)	600.00	0.00	0.00000	(00000000)
700.00	0.00	0.00000	(00000000)	800.00	0.00	0.00000	(00000000)
900.00	0.00	0.00000	(00000000)	1000.00	0.00	0.00000	(00000000)

CONC RURAL ELEV FLGPOL DFAULT

*** THE MAXIMUM 50 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

** CONC OF TSP IN GRAMS/CUBIC-METER **

RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)		OF TYPE
1.	0.00649	(09053020)	AT	(100.00,	0.00)	DC
2.	0.00379	(09053018)	AT	(100.00,	0.00)	DC
3.	0.00313	(09053019)	AT	(100.00,	0.00)	DC
4.	0.00282	(09053017)	AT	(100.00,	0.00)	DC
26.	0.00012	(09053017)	AT	(300.00,	0.00)	DC
27.	0.00009	(09053023)	AT	(500.00,	0.00)	DC
28.	0.00008	(09053023)	AT	(600.00,	0.00)	DC
29.	0.00007	(09053023)	AT	(700.00,	0.00)	DC

5.	0.00263 (09053022) AT (	100.00,	0.00)	DC	30.	0.00007 (09053020) AT (	700.00,	0.00)	DC
6.	0.00155 (09053020) AT (	200.00,	0.00)	DC	31.	0.00006 (09053023) AT (	800.00,	0.00)	DC
7.	0.00129 (09053023) AT (	100.00,	0.00)	DC	32.	0.00005 (09053023) AT (	900.00,	0.00)	DC
8.	0.00099 (09053020) AT (	300.00,	0.00)	DC	33.	0.00005 (09053023) AT (	1000.00,	0.00)	DC
9.	0.00065 (09053022) AT (	200.00,	0.00)	DC	34.	0.00004 (09053010) AT (	100.00,	0.00)	DC
10.	0.00059 (09053020) AT (	400.00,	0.00)	DC	35.	0.00003 (09053020) AT (	800.00,	0.00)	DC
11.	0.00057 (09053017) AT (	200.00,	0.00)	DC	36.	0.00003 (09053012) AT (	100.00,	0.00)	DC
12.	0.00045 (09053018) AT (	200.00,	0.00)	DC	37.	0.00003 (09053016) AT (	100.00,	0.00)	DC
13.	0.00043 (09053022) AT (	300.00,	0.00)	DC	38.	0.00002 (09053020) AT (	900.00,	0.00)	DC
14.	0.00033 (09053022) AT (	400.00,	0.00)	DC	39.	0.00002 (09053017) AT (	400.00,	0.00)	DC
15.	0.00029 (09053020) AT (	500.00,	0.00)	DC	40.	0.00001 (09053020) AT (	1000.00,	0.00)	DC
16.	0.00027 (09053022) AT (	500.00,	0.00)	DC	41.	0.00001 (09053009) AT (	100.00,	0.00)	DC
17.	0.00026 (09053023) AT (	200.00,	0.00)	DC	42.	0.00001 (09053011) AT (	100.00,	0.00)	DC
18.	0.00023 (09053022) AT (	600.00,	0.00)	DC	43.	0.00001 (09053018) AT (	300.00,	0.00)	DC
19.	0.00019 (09053022) AT (	700.00,	0.00)	DC	44.	0.00001 (09053008) AT (	100.00,	0.00)	DC
20.	0.00016 (09053022) AT (	800.00,	0.00)	DC	45.	0.00000 (09053015) AT (	100.00,	0.00)	DC
21.	0.00016 (09053023) AT (	300.00,	0.00)	DC	46.	0.00000 (09053010) AT (	200.00,	0.00)	DC
22.	0.00014 (09053022) AT (	900.00,	0.00)	DC	47.	0.00000 (09053017) AT (	500.00,	0.00)	DC
23.	0.00014 (09053020) AT (	600.00,	0.00)	DC	48.	0.00000 (09053012) AT (	200.00,	0.00)	DC
24.	0.00012 (09053022) AT (	1000.00,	0.00)	DC	49.	0.00000 (09053016) AT (	200.00,	0.00)	DC
25.	0.00012 (09053023) AT (	400.00,	0.00)	DC	50.	0.00000 (09053010) AT (	300.00,	0.00)	DC

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

CONC RURAL ELEV FLGPOL DFAULT

*** THE MAXIMUM 50 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE

GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

** CONC OF TSP IN GRAMS/CUBIC-METER **

RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)	OF TYPE	RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)	OF TYPE
1.	0.00085	(09053024)	AT (	100.00, 0.00)	DC	26.	0.00000	(00000000)	AT (	0.00, 0.00)	
2.	0.00015	(09053024)	AT (	200.00, 0.00)	DC	27.	0.00000	(00000000)	AT (	0.00, 0.00)	
3.	0.00007	(09053024)	AT (	300.00, 0.00)	DC	28.	0.00000	(00000000)	AT (	0.00, 0.00)	
4.	0.00004	(09053024)	AT (	400.00, 0.00)	DC	29.	0.00000	(00000000)	AT (	0.00, 0.00)	
5.	0.00003	(09053024)	AT (	500.00, 0.00)	DC	30.	0.00000	(00000000)	AT (	0.00, 0.00)	
6.	0.00002	(09053024)	AT (	600.00, 0.00)	DC	31.	0.00000	(00000000)	AT (	0.00, 0.00)	
7.	0.00001	(09053024)	AT (	700.00, 0.00)	DC	32.	0.00000	(00000000)	AT (	0.00, 0.00)	
8.	0.00001	(09053024)	AT (	800.00, 0.00)	DC	33.	0.00000	(00000000)	AT (	0.00, 0.00)	
9.	0.00001	(09053024)	AT (	900.00, 0.00)	DC	34.	0.00000	(00000000)	AT (	0.00, 0.00)	
10.	0.00001	(09053024)	AT (	1000.00, 0.00)	DC	35.	0.00000	(00000000)	AT (	0.00, 0.00)	
11.	0.00000	(00000000)	AT (	0.00, 0.00)		36.	0.00000	(00000000)	AT (	0.00, 0.00)	
12.	0.00000	(00000000)	AT (	0.00, 0.00)		37.	0.00000	(00000000)	AT (	0.00, 0.00)	
13.	0.00000	(00000000)	AT (	0.00, 0.00)		38.	0.00000	(00000000)	AT (	0.00, 0.00)	
14.	0.00000	(00000000)	AT (	0.00, 0.00)		39.	0.00000	(00000000)	AT (	0.00, 0.00)	
15.	0.00000	(00000000)	AT (	0.00, 0.00)		40.	0.00000	(00000000)	AT (	0.00, 0.00)	
16.	0.00000	(00000000)	AT (	0.00, 0.00)		41.	0.00000	(00000000)	AT (	0.00, 0.00)	
17.	0.00000	(00000000)	AT (	0.00, 0.00)		42.	0.00000	(00000000)	AT (	0.00, 0.00)	
18.	0.00000	(00000000)	AT (	0.00, 0.00)		43.	0.00000	(00000000)	AT (	0.00, 0.00)	
19.	0.00000	(00000000)	AT (	0.00, 0.00)		44.	0.00000	(00000000)	AT (	0.00, 0.00)	
20.	0.00000	(00000000)	AT (	0.00, 0.00)		45.	0.00000	(00000000)	AT (	0.00, 0.00)	
21.	0.00000	(00000000)	AT (	0.00, 0.00)		46.	0.00000	(00000000)	AT (	0.00, 0.00)	
22.	0.00000	(00000000)	AT (	0.00, 0.00)		47.	0.00000	(00000000)	AT (	0.00, 0.00)	
23.	0.00000	(00000000)	AT (	0.00, 0.00)		48.	0.00000	(00000000)	AT (	0.00, 0.00)	
24.	0.00000	(00000000)	AT (	0.00, 0.00)		49.	0.00000	(00000000)	AT (	0.00, 0.00)	
25.	0.00000	(00000000)	AT (	0.00, 0.00)		50.	0.00000	(00000000)	AT (	0.00, 0.00)	

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

CONC RURAL ELEV FLGPOL DFAULT

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

** CONC OF TSP IN GRAMS/CUBIC-METER **

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

ALL HIGH 1ST HIGH VALUE IS 0.00649 ON 09053020: AT (100.00, 0.00, 920.00, 0.00) DC
NA
HIGH 2ND HIGH VALUE IS 0.00379 ON 09053018: AT (100.00, 0.00, 920.00, 0.00) DC
NA

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/01/10
*** *** 10:34:27
**MODELOPTs: PAGE 14
CONC RURAL ELEV FLGPOL DFAULT

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

** CONC OF TSP IN GRAMS/CUBIC-METER **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	NETWORK RECEPTOR (XR, YR, ZELEV, ZFLAG) OF TYPE GRID-ID
ALL	1ST HIGH VALUE IS	0.00085	ON 09053024: AT (100.00, 0.00, 920.00, 0.00) DC NA
	2ND HIGH VALUE IS	0.00000	ON 00000000: AT (0.00, 0.00, 0.00, 0.00)

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/01/10
*** *** 10:34:27
**MODELOPTs: PAGE 15
CONC RURAL ELEV FLGPOL DFAULT

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

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

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

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

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

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

```
CO STARTING
CO TITLEONE RUN1
CO MODELOPT DFAULT CONC RURAL
CO AVERTIME  1 24
co terrhgts elev
co flagpole 0.0
CO POLLUTID TSP
CO DCAYCOEF      .00000000
CO RUNORNOT RUN
CO ERRORFIL ERRORS.LST
CO FINISHED


SO STARTING

**        SRCID  SRCTYP    XS      YS      ZS
**        ----- ------  -----   -----    -----
SO LOCATION    1    AREA     0.      0.     .0000

**        SRCID    QS      HS     XINIT   YINIT
**        -----  ----    ----   -----  -----
SO SRCPARAM     1   0.00012    0.0     100.     50.

SO EMISUNIT     1.0 (GRAMS/(SEC-M**2))          grams/cubic-meter

SO SRCGROUP ALL
SO FINISHED


RE STARTING
RE DISCCART    100.     0.  920.   0.0
RE DISCCART    200.     0.  940.   0.0
RE DISCCART    300.     0.  950.   0.0
RE DISCCART    400.     0.  945.   0.0
RE DISCCART    500.     0.  945.   0.0
RE DISCCART    600.     0.  940.   0.0
RE DISCCART    700.     0.  940.   0.0
RE DISCCART    800.     0.  935.   0.0
RE DISCCART    900.     0.  930.   0.0
RE DISCCART   1000.     0.  930.   0.0
RE FINISHED


ME STARTING
ME INPUTFIL  JUL.MET
ME ANEMHGHT     3.0 METERS
ME SURFDATA  99999   2010          SURFNAME
ME UAIRDATA  99999   2010          UAIRNAME
ME WINDCATS    1.54    3.09    5.14    8.23   10.80
ME FINISHED
```

OU STARTING
OU RECTABLE ALLAVE FIRST SECOND
OU MAXTABLE ALLAVE 50
OU FINISHED

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

CONC RURAL ELEV FLGPOL DFAULT

*** MODEL SETUP OPTIONS SUMMARY ***

**Intermediate Terrain Processing is Selected

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

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

**Model Uses RURAL Dispersion.

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

**Model Accepts Receptors on ELEV Terrain.

**Model Accepts FLAGPOLE Receptor Heights.

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

**This Run Includes: 1 Source(s); 1 Source Group(s); and 10 Receptor(s)

**The Model Assumes A Pollutant Type of: TSP

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

**Output Options Selected:

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs Tables of Overall Maximum Short Term Values (MAXTABLE Keyword)

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

**Misc. Inputs: Anem. Hgt. (m) = 3.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = (GRAMS/(SEC-M**2)) ; Emission Rate Unit Factor = 1.0000
Output Units = GRAMS/CUBIC-METER

**Approximate Storage Requirements of Model = 1.2 MB of RAM.

**Input Runstream File: MONTHLY.INP
**Output Print File: JUL.OUT
**Detailed Error/Message File: ERRORS.LST
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/01/10
*** *** 10:26:21
**MODELOPTs: PAGE 2
CONC RURAL ELEV FLGPOL DFAULT

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (USER UNITS /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	EMISSION RATE SCALAR VARY BY
1	0	0.12000E-03	0.0	0.0	0.0	0.00	100.00	50.00	0.00	0.00	

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/01/10
*** *** 10:26:21
**MODELOPTs: PAGE 3
CONC RURAL ELEV FLGPOL DFAULT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	1 ,

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/01/10
*** *** 10:26:21
**MODELOPTs: PAGE 4
CONC RURAL ELEV FLGPOL DFAULT

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

(100.0, 0.0, 920.0, 0.0); (200.0, 0.0, 940.0, 0.0);
(300.0, 0.0, 950.0, 0.0); (400.0, 0.0, 945.0, 0.0);
(500.0, 0.0, 945.0, 0.0); (600.0, 0.0, 940.0, 0.0);
(700.0, 0.0, 940.0, 0.0); (800.0, 0.0, 935.0, 0.0);
(900.0, 0.0, 930.0, 0.0); (1000.0, 0.0, 930.0, 0.0);

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

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

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

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

1.54, 3.09, 5.14, 8.23, 10.80,

*** WIND PROFILE EXPONENTS ***

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

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

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

CONC RURAL ELEV FLGPOL DFAULT

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

FILE: JUL.MET
FORMAT: (4I2,2F9.4,F6.1,I2,2F7.1,f9.4,f10.1,f8.4,i4,f7.2)
SURFACE STATION NO.: 99999 UPPER AIR STATION NO.: 99999
NAME: SURFNAME NAME: UAIRNAME
YEAR: 2010 YEAR: 2010

YR MN DY HR	FLOW VECTOR	SPEED (M/S)	TEMP (K)	STAB CLASS	MIXING HEIGHT (M) RURAL	URBAN	USTAR (M/S)	M-O LENGTH (M)	Z-0 (M)	IPCODE	PRATE (mm/HR)
07 07 24 01	32.0	1.11	282.4	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
07 07 24 02	41.8	1.30	282.0	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
07 07 24 03	46.0	1.30	282.0	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
07 07 24 04	65.7	0.93	281.6	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
07 07 24 05	50.2	1.11	281.6	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
07 07 24 06	39.0	1.30	281.6	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
07 07 24 07	75.5	2.23	282.4	5	250.0	250.0	0.0000	0.0	0.0000	0	0.00
07 07 24 08	91.0	2.97	282.8	5	348.0	348.0	0.0000	0.0	0.0000	0	0.00
07 07 24 09	82.5	2.41	283.2	5	497.0	497.0	0.0000	0.0	0.0000	0	0.00
07 07 24 10	72.7	2.60	283.2	5	648.0	648.0	0.0000	0.0	0.0000	0	0.00
07 07 24 11	85.3	2.97	283.2	4	794.0	794.0	0.0000	0.0	0.0000	0	0.00
07 07 24 12	89.6	2.97	284.0	4	932.0	932.0	0.0000	0.0	0.0000	0	0.00
07 07 24 13	86.7	2.60	284.4	4	1058.0	1058.0	0.0000	0.0	0.0000	0	0.00
07 07 24 14	88.1	3.34	286.7	4	1171.0	1171.0	0.0000	0.0	0.0000	0	0.00
07 07 24 15	92.4	3.53	295.2	4	1269.0	1269.0	0.0000	0.0	0.0000	0	0.00
07 07 24 16	95.2	4.64	287.9	4	1349.0	1349.0	0.0000	0.0	0.0000	0	0.00
07 07 24 17	86.7	4.27	286.3	5	1412.0	1412.0	0.0000	0.0	0.0000	0	0.00
07 07 24 18	134.5	3.15	285.9	5	1456.0	1456.0	0.0000	0.0	0.0000	0	0.00
07 07 24 19	93.8	2.78	286.7	5	1480.0	1480.0	0.0000	0.0	0.0000	0	0.00
07 07 24 20	128.9	2.41	285.6	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
07 07 24 21	187.0	3.34	284.0	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
07 07 24 22	184.2	2.78	284.4	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
07 07 24 23	188.4	1.11	283.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
07 07 24 24	16.5	0.56	282.8	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00

*** NOTES: STABILITY CLASS 1=A, 2=B, 3=C, 4=D, 5=E AND 6=F.
FLOW VECTOR IS DIRECTION TOWARD WHICH WIND IS BLOWING.

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/01/10
*** *** 10:26:21
**MODELOPTs: PAGE 7
CONC RURAL ELEV FLGPOL DFAULT

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00493	(07072420)	200.00	0.00	0.00062	(07072419)
300.00	0.00	0.00040	(07072419)	400.00	0.00	0.00028	(07072419)
500.00	0.00	0.00020	(07072419)	600.00	0.00	0.00014	(07072419)
700.00	0.00	0.00010	(07072419)	800.00	0.00	0.00008	(07072408)
900.00	0.00	0.00007	(07072408)	1000.00	0.00	0.00006	(07072408)

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/01/10
*** *** 10:26:21
**MODELOPTs: PAGE 8
CONC RURAL ELEV FLGPOL DFAULT

*** THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00262	(07072419)	200.00	0.00	0.00041	(07072408)
300.00	0.00	0.00027	(07072408)	400.00	0.00	0.00020	(07072408)
500.00	0.00	0.00016	(07072408)	600.00	0.00	0.00013	(07072408)
700.00	0.00	0.00010	(07072408)	800.00	0.00	0.00008	(07072419)
900.00	0.00	0.00006	(07072419)	1000.00	0.00	0.00005	(07072419)

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/01/10
*** *** 10:26:21
**MODELOPTs: PAGE 9
CONC RURAL ELEV FLGPOL DFAULT

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00077	(07072424)	200.00	0.00	0.00010	(07072424)
300.00	0.00	0.00006	(07072424)	400.00	0.00	0.00004	(07072424)
500.00	0.00	0.00003	(07072424)	600.00	0.00	0.00002	(07072424)
700.00	0.00	0.00002	(07072424)	800.00	0.00	0.00001	(07072424)
900.00	0.00	0.00001	(07072424)	1000.00	0.00	0.00001	(07072424)

CONC RURAL ELEV FLGPOL DFAULT

*** THE 2ND HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00000	(00000000)	200.00	0.00	0.00000	(00000000)
300.00	0.00	0.00000	(00000000)	400.00	0.00	0.00000	(00000000)
500.00	0.00	0.00000	(00000000)	600.00	0.00	0.00000	(00000000)
700.00	0.00	0.00000	(00000000)	800.00	0.00	0.00000	(00000000)
900.00	0.00	0.00000	(00000000)	1000.00	0.00	0.00000	(00000000)

CONC RURAL ELEV FLGPOL DFAULT

*** THE MAXIMUM 50 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

** CONC OF TSP IN GRAMS/CUBIC-METER **

RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)		OF TYPE
1.	0.00493	(07072420)	AT	(100.00,	0.00)	DC
2.	0.00262	(07072419)	AT	(100.00,	0.00)	DC
3.	0.00251	(07072418)	AT	(100.00,	0.00)	DC
4.	0.00177	(07072408)	AT	(100.00,	0.00)	DC
26.	0.00015	(07072414)	AT	(200.00,	0.00)	DC
27.	0.00015	(07072412)	AT	(300.00,	0.00)	DC
28.	0.00014	(07072419)	AT	(600.00,	0.00)	DC
29.	0.00014	(07072413)	AT	(200.00,	0.00)	DC

5.	0.00136	(07072415)	AT (	100.00,	0.00)	DC	30.	0.00013	(07072408)	AT (	600.00,	0.00) DC
6.	0.00128	(07072416)	AT (	100.00,	0.00)	DC	31.	0.00012	(07072415)	AT (	400.00,	0.00) DC
7.	0.00113	(07072412)	AT (	100.00,	0.00)	DC	32.	0.00011	(07072409)	AT (	100.00,	0.00) DC
8.	0.00077	(07072414)	AT (	100.00,	0.00)	DC	33.	0.00010	(07072419)	AT (	700.00,	0.00) DC
9.	0.00074	(07072413)	AT (	100.00,	0.00)	DC	34.	0.00010	(07072412)	AT (	400.00,	0.00) DC
10.	0.00062	(07072419)	AT (	200.00,	0.00)	DC	35.	0.00010	(07072408)	AT (	700.00,	0.00) DC
11.	0.00046	(07072411)	AT (	100.00,	0.00)	DC	36.	0.00010	(07072416)	AT (	400.00,	0.00) DC
12.	0.00042	(07072417)	AT (	100.00,	0.00)	DC	37.	0.00009	(07072414)	AT (	300.00,	0.00) DC
13.	0.00041	(07072408)	AT (	200.00,	0.00)	DC	38.	0.00009	(07072415)	AT (	500.00,	0.00) DC
14.	0.00040	(07072419)	AT (	300.00,	0.00)	DC	39.	0.00008	(07072408)	AT (	800.00,	0.00) DC
15.	0.00030	(07072415)	AT (	200.00,	0.00)	DC	40.	0.00008	(07072413)	AT (	300.00,	0.00) DC
16.	0.00028	(07072419)	AT (	400.00,	0.00)	DC	41.	0.00008	(07072419)	AT (	800.00,	0.00) DC
17.	0.00028	(07072416)	AT (	200.00,	0.00)	DC	42.	0.00008	(07072412)	AT (	500.00,	0.00) DC
18.	0.00027	(07072408)	AT (	300.00,	0.00)	DC	43.	0.00008	(07072417)	AT (	200.00,	0.00) DC
19.	0.00023	(07072412)	AT (	200.00,	0.00)	DC	44.	0.00008	(07072411)	AT (	200.00,	0.00) DC
20.	0.00023	(07072422)	AT (	100.00,	0.00)	DC	45.	0.00007	(07072408)	AT (	900.00,	0.00) DC
21.	0.00020	(07072408)	AT (	400.00,	0.00)	DC	46.	0.00007	(07072414)	AT (	400.00,	0.00) DC
22.	0.00020	(07072419)	AT (	500.00,	0.00)	DC	47.	0.00007	(07072415)	AT (	600.00,	0.00) DC
23.	0.00018	(07072415)	AT (	300.00,	0.00)	DC	48.	0.00006	(07072416)	AT (	500.00,	0.00) DC
24.	0.00016	(07072416)	AT (	300.00,	0.00)	DC	49.	0.00006	(07072419)	AT (	900.00,	0.00) DC
25.	0.00016	(07072408)	AT (	500.00,	0.00)	DC	50.	0.00006	(07072412)	AT (	600.00,	0.00) DC

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

CONC RURAL ELEV FLGPOL DFAULT

*** THE MAXIMUM 50 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE

GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

** CONC OF TSP IN GRAMS/CUBIC-METER **

RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)	OF TYPE	RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)	OF TYPE
1.	0.00077	(07072424)	AT (	100.00, 0.00)	DC	26.	0.00000	(00000000)	AT (	0.00, 0.00)	
2.	0.00010	(07072424)	AT (	200.00, 0.00)	DC	27.	0.00000	(00000000)	AT (	0.00, 0.00)	
3.	0.00006	(07072424)	AT (	300.00, 0.00)	DC	28.	0.00000	(00000000)	AT (	0.00, 0.00)	
4.	0.00004	(07072424)	AT (	400.00, 0.00)	DC	29.	0.00000	(00000000)	AT (	0.00, 0.00)	
5.	0.00003	(07072424)	AT (	500.00, 0.00)	DC	30.	0.00000	(00000000)	AT (	0.00, 0.00)	
6.	0.00002	(07072424)	AT (	600.00, 0.00)	DC	31.	0.00000	(00000000)	AT (	0.00, 0.00)	
7.	0.00002	(07072424)	AT (	700.00, 0.00)	DC	32.	0.00000	(00000000)	AT (	0.00, 0.00)	
8.	0.00001	(07072424)	AT (	800.00, 0.00)	DC	33.	0.00000	(00000000)	AT (	0.00, 0.00)	
9.	0.00001	(07072424)	AT (	900.00, 0.00)	DC	34.	0.00000	(00000000)	AT (	0.00, 0.00)	
10.	0.00001	(07072424)	AT (	1000.00, 0.00)	DC	35.	0.00000	(00000000)	AT (	0.00, 0.00)	
11.	0.00000	(00000000)	AT (	0.00, 0.00)		36.	0.00000	(00000000)	AT (	0.00, 0.00)	
12.	0.00000	(00000000)	AT (	0.00, 0.00)		37.	0.00000	(00000000)	AT (	0.00, 0.00)	
13.	0.00000	(00000000)	AT (	0.00, 0.00)		38.	0.00000	(00000000)	AT (	0.00, 0.00)	
14.	0.00000	(00000000)	AT (	0.00, 0.00)		39.	0.00000	(00000000)	AT (	0.00, 0.00)	
15.	0.00000	(00000000)	AT (	0.00, 0.00)		40.	0.00000	(00000000)	AT (	0.00, 0.00)	
16.	0.00000	(00000000)	AT (	0.00, 0.00)		41.	0.00000	(00000000)	AT (	0.00, 0.00)	
17.	0.00000	(00000000)	AT (	0.00, 0.00)		42.	0.00000	(00000000)	AT (	0.00, 0.00)	
18.	0.00000	(00000000)	AT (	0.00, 0.00)		43.	0.00000	(00000000)	AT (	0.00, 0.00)	
19.	0.00000	(00000000)	AT (	0.00, 0.00)		44.	0.00000	(00000000)	AT (	0.00, 0.00)	
20.	0.00000	(00000000)	AT (	0.00, 0.00)		45.	0.00000	(00000000)	AT (	0.00, 0.00)	
21.	0.00000	(00000000)	AT (	0.00, 0.00)		46.	0.00000	(00000000)	AT (	0.00, 0.00)	
22.	0.00000	(00000000)	AT (	0.00, 0.00)		47.	0.00000	(00000000)	AT (	0.00, 0.00)	
23.	0.00000	(00000000)	AT (	0.00, 0.00)		48.	0.00000	(00000000)	AT (	0.00, 0.00)	
24.	0.00000	(00000000)	AT (	0.00, 0.00)		49.	0.00000	(00000000)	AT (	0.00, 0.00)	
25.	0.00000	(00000000)	AT (	0.00, 0.00)		50.	0.00000	(00000000)	AT (	0.00, 0.00)	

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

CONC RURAL ELEV FLGPOL DFAULT

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

** CONC OF TSP IN GRAMS/CUBIC-METER **

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

ALL HIGH 1ST HIGH VALUE IS 0.00493 ON 07072420: AT (100.00, 0.00, 920.00, 0.00) DC NA
HIGH 2ND HIGH VALUE IS 0.00262 ON 07072419: AT (100.00, 0.00, 920.00, 0.00) DC NA

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/01/10
*** *** 10:26:21
**MODELOPTs: PAGE 14
CONC RURAL ELEV FLGPOL DFAULT

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

** CONC OF TSP IN GRAMS/CUBIC-METER **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	NETWORK RECEPTOR (XR, YR, ZELEV, ZFLAG) OF TYPE GRID-ID
ALL	1ST HIGH VALUE IS	0.00077	ON 07072424: AT (100.00, 0.00, 920.00, 0.00) DC NA
	2ND HIGH VALUE IS	0.00000	ON 00000000: AT (0.00, 0.00, 0.00, 0.00)

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/01/10
*** *** 10:26:21
**MODELOPTs: PAGE 15
CONC RURAL ELEV FLGPOL DFAULT

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

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

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

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

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

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

```
CO STARTING
CO TITLEONE RUN1
CO MODELOPT DFAULT CONC RURAL
CO AVERTIME  1 24
co terrhgts elev
co flagpole 0.0
CO POLLUTID TSP
CO DCAYCOEF      .00000000
CO RUNORNOT RUN
CO ERRORFIL ERRORS.LST
CO FINISHED


SO STARTING

**       SRCID  SRCTYP    XS      YS      ZS
**       ----- ------  -----   -----    -----
SO LOCATION    1    AREA     0.      0.     .0000

**       SRCID    QS      HS     XINIT   YINIT
**       -----  ----    ----   -----  -----
SO SRCPARAM     1   0.00014    0.0     100.     50.

SO EMISUNIT     1.0 (GRAMS/(SEC-M**2))          grams/cubic-meter

SO SRCGROUP ALL
SO FINISHED


RE STARTING
RE DISCCART    100.     0.  920.   0.0
RE DISCCART    200.     0.  940.   0.0
RE DISCCART    300.     0.  950.   0.0
RE DISCCART    400.     0.  945.   0.0
RE DISCCART    500.     0.  945.   0.0
RE DISCCART    600.     0.  940.   0.0
RE DISCCART    700.     0.  940.   0.0
RE DISCCART    800.     0.  935.   0.0
RE DISCCART    900.     0.  930.   0.0
RE DISCCART   1000.     0.  930.   0.0
RE FINISHED


ME STARTING
ME INPUTFIL  JUL(2).MET
ME ANEMHGHT     3.0 METERS
ME SURFDATA  99999   2010          SURFNAME
ME UAIRDATA  99999   2010          UAIRNAME
ME WINDCATS    1.54    3.09    5.14    8.23   10.80
ME FINISHED
```

OU STARTING
OU RECTABLE ALLAVE FIRST SECOND
OU MAXTABLE ALLAVE 50
OU FINISHED

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

CONC RURAL ELEV FLGPOL DFAULT

*** MODEL SETUP OPTIONS SUMMARY ***

**Intermediate Terrain Processing is Selected

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

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

**Model Uses RURAL Dispersion.

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

**Model Accepts Receptors on ELEV Terrain.

**Model Accepts FLAGPOLE Receptor Heights.

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

**This Run Includes: 1 Source(s); 1 Source Group(s); and 10 Receptor(s)

**The Model Assumes A Pollutant Type of: TSP

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

**Output Options Selected:

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs Tables of Overall Maximum Short Term Values (MAXTABLE Keyword)

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

**Misc. Inputs: Anem. Hgt. (m) = 3.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = (GRAMS/(SEC-M**2)) ; Emission Rate Unit Factor = 1.0000
Output Units = GRAMS/CUBIC-METER

**Approximate Storage Requirements of Model = 1.2 MB of RAM.

**Input Runstream File: MONTHLY.INP
**Output Print File: JUL(2).OUT
**Detailed Error/Message File: ERRORS.LST
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/02/10
*** *** 09:49:27
**MODELOPTs: PAGE 2
CONC RURAL ELEV FLGPOL DFAULT

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (USER UNITS /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	EMISSION RATE SCALAR VARY BY
1	0	0.14000E-03	0.0	0.0	0.0	0.00	100.00	50.00	0.00	0.00	

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/02/10
*** *** 09:49:27
**MODELOPTs: PAGE 3
CONC RURAL ELEV FLGPOL DFAULT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	1 ,

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/02/10
*** *** 09:49:27
**MODELOPTs: PAGE 4
CONC RURAL ELEV FLGPOL DFAULT

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

(100.0, 0.0, 920.0, 0.0); (200.0, 0.0, 940.0, 0.0);
(300.0, 0.0, 950.0, 0.0); (400.0, 0.0, 945.0, 0.0);
(500.0, 0.0, 945.0, 0.0); (600.0, 0.0, 940.0, 0.0);
(700.0, 0.0, 940.0, 0.0); (800.0, 0.0, 935.0, 0.0);
(900.0, 0.0, 930.0, 0.0); (1000.0, 0.0, 930.0, 0.0);

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

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

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

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

1.54, 3.09, 5.14, 8.23, 10.80,

*** WIND PROFILE EXPONENTS ***

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

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

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

CONC RURAL ELEV FLGPOL DFAULT

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

FILE: JUL(2).MET
FORMAT: (4I2,2F9.4,F6.1,I2,2F7.1,f9.4,f10.1,f8.4,i4,f7.2)
SURFACE STATION NO.: 99999 UPPER AIR STATION NO.: 99999
NAME: SURFNAME NAME: UAIRNAME
YEAR: 2010 YEAR: 2010

YR	MN	DY	HR	FLOW VECTOR	SPEED (M/S)	TEMP (K)	STAB CLASS	MIXING HEIGHT (M) RURAL	MIXING HEIGHT (M) URBAN	USTAR (M/S)	M-O LENGTH (M)	Z-0 (M)	IPCODE	PRATE (mm/HR)
09	07	07	01	302.1	1.86	285.6	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09	07	07	02	330.2	2.41	284.4	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09	07	07	03	323.2	2.60	284.4	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09	07	07	04	319.0	2.23	284.8	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09	07	07	05	324.6	2.23	284.8	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09	07	07	06	320.4	2.04	284.4	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09	07	07	07	335.8	2.78	284.8	6	489.0	489.0	0.0000	0.0	0.0000	0	0.00
09	07	07	08	337.2	2.78	285.6	6	533.0	533.0	0.0000	0.0	0.0000	0	0.00
09	07	07	09	340.0	2.60	286.7	6	615.0	615.0	0.0000	0.0	0.0000	0	0.00
09	07	07	10	340.0	2.23	287.5	5	717.0	717.0	0.0000	0.0	0.0000	0	0.00
09	07	07	11	79.7	1.00	288.2	5	828.0	828.0	0.0000	0.0	0.0000	0	0.00
09	07	07	12	91.0	1.30	288.6	5	939.0	939.0	0.0000	0.0	0.0000	0	0.00
09	07	07	13	85.3	1.30	289.4	5	1043.0	1043.0	0.0000	0.0	0.0000	0	0.00
09	07	07	14	76.9	2.78	290.1	5	1138.0	1138.0	0.0000	0.0	0.0000	0	0.00
09	07	07	15	75.5	2.97	290.1	5	1220.0	1220.0	0.0000	0.0	0.0000	0	0.00
09	07	07	16	65.7	3.53	291.3	5	1288.0	1288.0	0.0000	0.0	0.0000	0	0.00
09	07	07	17	69.9	3.34	292.0	6	1339.0	1339.0	0.0000	0.0	0.0000	0	0.00
09	07	07	18	81.1	3.71	291.3	6	1372.0	1372.0	0.0000	0.0	0.0000	0	0.00
09	07	07	19	76.9	3.90	293.6	6	1386.0	1386.0	0.0000	0.0	0.0000	0	0.00
09	07	07	20	81.1	3.53	291.7	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09	07	07	21	92.4	4.82	290.5	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09	07	07	22	99.4	4.45	289.4	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09	07	07	23	168.2	2.78	287.9	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09	07	07	24	169.6	3.34	287.5	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00

*** NOTES: STABILITY CLASS 1=A, 2=B, 3=C, 4=D, 5=E AND 6=F.
FLOW VECTOR IS DIRECTION TOWARD WHICH WIND IS BLOWING.

CONC RURAL ELEV FLGPOL DFAULT

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00472	(09070712)	200.00	0.00	0.00110	(09070712)
300.00	0.00	0.00072	(09070712)	400.00	0.00	0.00054	(09070712)
500.00	0.00	0.00042	(09070712)	600.00	0.00	0.00034	(09070712)
700.00	0.00	0.00027	(09070712)	800.00	0.00	0.00023	(09070712)
900.00	0.00	0.00019	(09070712)	1000.00	0.00	0.00016	(09070712)

CONC RURAL ELEV FLGPOL DFAULT

*** THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00428	(09070723)	200.00	0.00	0.00080	(09070722)
300.00	0.00	0.00042	(09070722)	400.00	0.00	0.00032	(09070721)
500.00	0.00	0.00025	(09070721)	600.00	0.00	0.00020	(09070721)
700.00	0.00	0.00016	(09070721)	800.00	0.00	0.00013	(09070721)
900.00	0.00	0.00011	(09070721)	1000.00	0.00	0.00009	(09070721)

CONC RURAL ELEV FLGPOL DFAULT

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00081	(09070724)	200.00	0.00	0.00011	(09070724)
300.00	0.00	0.00007	(09070724)	400.00	0.00	0.00004	(09070724)
500.00	0.00	0.00003	(09070724)	600.00	0.00	0.00002	(09070724)
700.00	0.00	0.00002	(09070724)	800.00	0.00	0.00002	(09070724)
900.00	0.00	0.00001	(09070724)	1000.00	0.00	0.00001	(09070724)

CONC RURAL ELEV FLGPOL DFAULT

*** THE 2ND HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00000	(00000000)	200.00	0.00	0.00000	(00000000)
300.00	0.00	0.00000	(00000000)	400.00	0.00	0.00000	(00000000)
500.00	0.00	0.00000	(00000000)	600.00	0.00	0.00000	(00000000)
700.00	0.00	0.00000	(00000000)	800.00	0.00	0.00000	(00000000)
900.00	0.00	0.00000	(00000000)	1000.00	0.00	0.00000	(00000000)

CONC RURAL ELEV FLGPOL DFAULT

*** THE MAXIMUM 50 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

** CONC OF TSP IN GRAMS/CUBIC-METER **

RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)		OF TYPE
1.	0.00472	(09070712)	AT	(100.00,	0.00)	DC
2.	0.00428	(09070723)	AT	(100.00,	0.00)	DC
3.	0.00356	(09070724)	AT	(100.00,	0.00)	DC
4.	0.00336	(09070722)	AT	(100.00,	0.00)	DC
26.	0.00012	(09070722)	AT	(400.00,	0.00)	DC
27.	0.00011	(09070721)	AT	(900.00,	0.00)	DC
28.	0.00009	(09070721)	AT	(1000.00,	0.00)	DC
29.	0.00009	(09070713)	AT	(300.00,	0.00)	DC

5.	0.00253 (09070721) AT (	100.00,	0.00)	DC	30.	0.00006 (09070713) AT (	400.00,	0.00)	DC
6.	0.00110 (09070712) AT (	200.00,	0.00)	DC	31.	0.00006 (09070711) AT (	100.00,	0.00)	DC
7.	0.00095 (09070713) AT (	100.00,	0.00)	DC	32.	0.00005 (09070713) AT (	500.00,	0.00)	DC
8.	0.00080 (09070722) AT (	200.00,	0.00)	DC	33.	0.00004 (09070713) AT (	600.00,	0.00)	DC
9.	0.00072 (09070712) AT (	300.00,	0.00)	DC	34.	0.00003 (09070713) AT (	700.00,	0.00)	DC
10.	0.00063 (09070721) AT (	200.00,	0.00)	DC	35.	0.00003 (09070713) AT (	800.00,	0.00)	DC
11.	0.00054 (09070712) AT (	400.00,	0.00)	DC	36.	0.00003 (09070722) AT (	500.00,	0.00)	DC
12.	0.00042 (09070712) AT (	500.00,	0.00)	DC	37.	0.00002 (09070713) AT (	900.00,	0.00)	DC
13.	0.00042 (09070722) AT (	300.00,	0.00)	DC	38.	0.00002 (09070713) AT (	1000.00,	0.00)	DC
14.	0.00041 (09070721) AT (	300.00,	0.00)	DC	39.	0.00001 (09070722) AT (	600.00,	0.00)	DC
15.	0.00034 (09070712) AT (	600.00,	0.00)	DC	40.	0.00000 (09070711) AT (	200.00,	0.00)	DC
16.	0.00032 (09070721) AT (	400.00,	0.00)	DC	41.	0.00000 (09070714) AT (	100.00,	0.00)	DC
17.	0.00027 (09070712) AT (	700.00,	0.00)	DC	42.	0.00000 (09070720) AT (	100.00,	0.00)	DC
18.	0.00025 (09070721) AT (	500.00,	0.00)	DC	43.	0.00000 (09070718) AT (	100.00,	0.00)	DC
19.	0.00023 (09070712) AT (	800.00,	0.00)	DC	44.	0.00000 (09070722) AT (	700.00,	0.00)	DC
20.	0.00020 (09070721) AT (	600.00,	0.00)	DC	45.	0.00000 (09070711) AT (	300.00,	0.00)	DC
21.	0.00019 (09070712) AT (	900.00,	0.00)	DC	46.	0.00000 (09070711) AT (	400.00,	0.00)	DC
22.	0.00016 (09070721) AT (	700.00,	0.00)	DC	47.	0.00000 (09070715) AT (	100.00,	0.00)	DC
23.	0.00016 (09070712) AT (	1000.00,	0.00)	DC	48.	0.00000 (09070722) AT (	800.00,	0.00)	DC
24.	0.00015 (09070713) AT (	200.00,	0.00)	DC	49.	0.00000 (09070711) AT (	500.00,	0.00)	DC
25.	0.00013 (09070721) AT (	800.00,	0.00)	DC	50.	0.00000 (09070711) AT (	600.00,	0.00)	DC

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

CONC RURAL ELEV FLGPOL DFAULT

*** THE MAXIMUM 50 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE

GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

** CONC OF TSP IN GRAMS/CUBIC-METER **

RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)	OF TYPE	RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)	OF TYPE
1.	0.00081	(09070724)	AT (	100.00, 0.00)	DC	26.	0.00000	(00000000)	AT (	0.00, 0.00)	
2.	0.00011	(09070724)	AT (	200.00, 0.00)	DC	27.	0.00000	(00000000)	AT (	0.00, 0.00)	
3.	0.00007	(09070724)	AT (	300.00, 0.00)	DC	28.	0.00000	(00000000)	AT (	0.00, 0.00)	
4.	0.00004	(09070724)	AT (	400.00, 0.00)	DC	29.	0.00000	(00000000)	AT (	0.00, 0.00)	
5.	0.00003	(09070724)	AT (	500.00, 0.00)	DC	30.	0.00000	(00000000)	AT (	0.00, 0.00)	
6.	0.00002	(09070724)	AT (	600.00, 0.00)	DC	31.	0.00000	(00000000)	AT (	0.00, 0.00)	
7.	0.00002	(09070724)	AT (	700.00, 0.00)	DC	32.	0.00000	(00000000)	AT (	0.00, 0.00)	
8.	0.00002	(09070724)	AT (	800.00, 0.00)	DC	33.	0.00000	(00000000)	AT (	0.00, 0.00)	
9.	0.00001	(09070724)	AT (	900.00, 0.00)	DC	34.	0.00000	(00000000)	AT (	0.00, 0.00)	
10.	0.00001	(09070724)	AT (	1000.00, 0.00)	DC	35.	0.00000	(00000000)	AT (	0.00, 0.00)	
11.	0.00000	(00000000)	AT (	0.00, 0.00)		36.	0.00000	(00000000)	AT (	0.00, 0.00)	
12.	0.00000	(00000000)	AT (	0.00, 0.00)		37.	0.00000	(00000000)	AT (	0.00, 0.00)	
13.	0.00000	(00000000)	AT (	0.00, 0.00)		38.	0.00000	(00000000)	AT (	0.00, 0.00)	
14.	0.00000	(00000000)	AT (	0.00, 0.00)		39.	0.00000	(00000000)	AT (	0.00, 0.00)	
15.	0.00000	(00000000)	AT (	0.00, 0.00)		40.	0.00000	(00000000)	AT (	0.00, 0.00)	
16.	0.00000	(00000000)	AT (	0.00, 0.00)		41.	0.00000	(00000000)	AT (	0.00, 0.00)	
17.	0.00000	(00000000)	AT (	0.00, 0.00)		42.	0.00000	(00000000)	AT (	0.00, 0.00)	
18.	0.00000	(00000000)	AT (	0.00, 0.00)		43.	0.00000	(00000000)	AT (	0.00, 0.00)	
19.	0.00000	(00000000)	AT (	0.00, 0.00)		44.	0.00000	(00000000)	AT (	0.00, 0.00)	
20.	0.00000	(00000000)	AT (	0.00, 0.00)		45.	0.00000	(00000000)	AT (	0.00, 0.00)	
21.	0.00000	(00000000)	AT (	0.00, 0.00)		46.	0.00000	(00000000)	AT (	0.00, 0.00)	
22.	0.00000	(00000000)	AT (	0.00, 0.00)		47.	0.00000	(00000000)	AT (	0.00, 0.00)	
23.	0.00000	(00000000)	AT (	0.00, 0.00)		48.	0.00000	(00000000)	AT (	0.00, 0.00)	
24.	0.00000	(00000000)	AT (	0.00, 0.00)		49.	0.00000	(00000000)	AT (	0.00, 0.00)	
25.	0.00000	(00000000)	AT (	0.00, 0.00)		50.	0.00000	(00000000)	AT (	0.00, 0.00)	

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

CONC RURAL ELEV FLGPOL DFAULT

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

** CONC OF TSP IN GRAMS/CUBIC-METER **

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

ALL HIGH 1ST HIGH VALUE IS 0.00472 ON 09070712: AT (100.00, 0.00, 920.00, 0.00) DC
NA
HIGH 2ND HIGH VALUE IS 0.00428 ON 09070723: AT (100.00, 0.00, 920.00, 0.00) DC
NA

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/02/10
*** *** 09:49:27
**MODELOPTs: PAGE 14
CONC RURAL ELEV FLGPOL DFAULT

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

** CONC OF TSP IN GRAMS/CUBIC-METER **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	NETWORK RECEPTOR (XR, YR, ZELEV, ZFLAG) OF TYPE GRID-ID
ALL	1ST HIGH VALUE IS	0.00081	ON 09070724: AT (100.00, 0.00, 920.00, 0.00) DC
	2ND HIGH VALUE IS	0.00000	ON 00000000: AT (0.00, 0.00, 0.00, 0.00)

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/02/10
*** *** 09:49:27
**MODELOPTs: PAGE 15
CONC RURAL ELEV FLGPOL DFAULT

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

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

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

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

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

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

```
CO STARTING
CO TITLEONE RUN1
CO MODELOPT DFAULT CONC RURAL
CO AVERTIME  1 24
co terrhgts elev
co flagpole 0.0
CO POLLUTID TSP
CO DCAYCOEF      .00000000
CO RUNORNOT RUN
CO ERRORFIL ERRORS.LST
CO FINISHED


SO STARTING

**        SRCID  SRCTYP    XS      YS      ZS
**        ----- ------  -----   -----    -----
SO LOCATION    1    AREA     0.      0.     .0000

**        SRCID    QS      HS     XINIT   YINIT
**        -----  ----    ----   -----  -----
SO SRCPARAM     1   0.00013    0.0     100.     50.

SO EMISUNIT     1.0 (GRAMS/(SEC-M**2))          grams/cubic-meter

SO SRCGROUP ALL
SO FINISHED


RE STARTING
RE DISCCART    100.     0.  920.   0.0
RE DISCCART    200.     0.  940.   0.0
RE DISCCART    300.     0.  950.   0.0
RE DISCCART    400.     0.  945.   0.0
RE DISCCART    500.     0.  945.   0.0
RE DISCCART    600.     0.  940.   0.0
RE DISCCART    700.     0.  940.   0.0
RE DISCCART    800.     0.  935.   0.0
RE DISCCART    900.     0.  930.   0.0
RE DISCCART   1000.     0.  930.   0.0
RE FINISHED


ME STARTING
ME INPUTFIL  AUG.MET
ME ANEMHGHT     3.0 METERS
ME SURFDATA  99999   2010          SURFNAME
ME UAIRDATA  99999   2010          UAIRNAME
ME WINDCATS    1.54    3.09    5.14    8.23   10.80
ME FINISHED
```

OU STARTING
OU RECTABLE ALLAVE FIRST SECOND
OU MAXTABLE ALLAVE 50
OU FINISHED

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

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/01/10
*** *** 10:28:21
**MODELOPTs: PAGE 1
CONC RURAL ELEV FLGPOL DFAULT

*** MODEL SETUP OPTIONS SUMMARY ***

**Intermediate Terrain Processing is Selected

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

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

**Model Uses RURAL Dispersion.

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

**Model Accepts Receptors on ELEV Terrain.

**Model Accepts FLAGPOLE Receptor Heights.

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

**This Run Includes: 1 Source(s); 1 Source Group(s); and 10 Receptor(s)

**The Model Assumes A Pollutant Type of: TSP

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

**Output Options Selected:

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs Tables of Overall Maximum Short Term Values (MAXTABLE Keyword)

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

**Misc. Inputs: Anem. Hgt. (m) = 3.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = (GRAMS/(SEC-M**2)) ; Emission Rate Unit Factor = 1.0000
Output Units = GRAMS/CUBIC-METER

**Approximate Storage Requirements of Model = 1.2 MB of RAM.

**Input Runstream File: MONTHLY.INP
**Output Print File: AUG.OUT
**Detailed Error/Message File: ERRORS.LST
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/01/10
*** *** 10:28:21
**MODELOPTs: PAGE 2
CONC RURAL ELEV FLGPOL DFAULT

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (USER UNITS /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	EMISSION RATE SCALAR VARY BY
1	0	0.13000E-03	0.0	0.0	0.0	0.00	100.00	50.00	0.00	0.00	

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/01/10
*** *** 10:28:21
**MODELOPTs: PAGE 3
CONC RURAL ELEV FLGPOL DFAULT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	1 ,

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/01/10
*** *** 10:28:21
**MODELOPTs: PAGE 4
CONC RURAL ELEV FLGPOL DFAULT

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

```
  (    100.0,      0.0,    920.0,      0.0);        (    200.0,      0.0,    940.0,      0.0);
  (    300.0,      0.0,    950.0,      0.0);        (    400.0,      0.0,    945.0,      0.0);
  (    500.0,      0.0,    945.0,      0.0);        (    600.0,      0.0,    940.0,      0.0);
  (    700.0,      0.0,    940.0,      0.0);        (    800.0,      0.0,    935.0,      0.0);
  (    900.0,      0.0,    930.0,      0.0);        (   1000.0,      0.0,    930.0,      0.0);
```


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

```
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
```

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

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

1.54,   3.09,   5.14,   8.23, 10.80,

*** WIND PROFILE EXPONENTS ***

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

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

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

CONC RURAL ELEV FLGPOL DFAULT

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

FILE: AUG.MET
FORMAT: (4I2,2F9.4,F6.1,I2,2F7.1,f9.4,f10.1,f8.4,i4,f7.2)
SURFACE STATION NO.: 99999 UPPER AIR STATION NO.: 99999
NAME: SURFNAME NAME: UAIRNAME
YEAR: 2010 YEAR: 2010

YR MN DY HR	FLOW VECTOR	SPEED (M/S)	TEMP (K)	STAB CLASS	MIXING HEIGHT (M) RURAL	URBAN	USTAR (M/S)	M-O LENGTH (M)	Z-0 (M)	IPCODE	PRATE (mm/HR)
07 08 14 01	96.6	3.71	282.4	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
07 08 14 02	88.1	3.15	282.4	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
07 08 14 03	93.8	3.15	282.4	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
07 08 14 04	100.8	3.71	282.4	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
07 08 14 05	91.0	2.97	282.0	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
07 08 14 06	99.4	3.34	282.0	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
07 08 14 07	98.0	2.97	282.0	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
07 08 14 08	98.0	2.23	282.0	5	254.0	254.0	0.0000	0.0	0.0000	0	0.00
07 08 14 09	99.4	2.41	282.4	5	377.0	377.0	0.0000	0.0	0.0000	0	0.00
07 08 14 10	82.5	3.15	282.4	5	517.0	517.0	0.0000	0.0	0.0000	0	0.00
07 08 14 11	92.4	4.08	282.4	5	657.0	657.0	0.0000	0.0	0.0000	0	0.00
07 08 14 12	103.6	3.53	282.8	4	791.0	791.0	0.0000	0.0	0.0000	0	0.00
07 08 14 13	95.2	3.34	283.6	4	912.0	912.0	0.0000	0.0	0.0000	0	0.00
07 08 14 14	107.8	3.71	284.4	4	1020.0	1020.0	0.0000	0.0	0.0000	0	0.00
07 08 14 15	130.3	4.27	285.6	4	1110.0	1110.0	0.0000	0.0	0.0000	0	0.00
07 08 14 16	148.5	2.23	285.9	4	1182.0	1182.0	0.0000	0.0	0.0000	0	0.00
07 08 14 17	154.1	2.60	287.5	4	1233.0	1233.0	0.0000	0.0	0.0000	0	0.00
07 08 14 18	127.5	1.48	285.9	5	1263.0	1263.0	0.0000	0.0	0.0000	0	0.00
07 08 14 19	175.2	2.23	286.7	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
07 08 14 20	209.5	2.04	285.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
07 08 14 21	189.8	1.67	285.9	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
07 08 14 22	223.5	0.74	284.4	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
07 08 14 23	44.6	0.93	283.6	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
07 08 14 24	255.8	0.74	283.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00

*** NOTES: STABILITY CLASS 1=A, 2=B, 3=C, 4=D, 5=E AND 6=F.
FLOW VECTOR IS DIRECTION TOWARD WHICH WIND IS BLOWING.

CONC RURAL ELEV FLGPOL DFAULT

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00605	(07081418)	200.00	0.00	0.00111	(07081407)
300.00	0.00	0.00067	(07081407)	400.00	0.00	0.00049	(07081403)
500.00	0.00	0.00037	(07081403)	600.00	0.00	0.00026	(07081403)
700.00	0.00	0.00022	(07081405)	800.00	0.00	0.00019	(07081405)
900.00	0.00	0.00016	(07081405)	1000.00	0.00	0.00014	(07081405)

CONC RURAL ELEV FLGPOL DFAULT

*** THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00472	(07081419)	200.00	0.00	0.00100	(07081403)
300.00	0.00	0.00065	(07081403)	400.00	0.00	0.00038	(07081405)
500.00	0.00	0.00031	(07081405)	600.00	0.00	0.00026	(07081405)
700.00	0.00	0.00019	(07081403)	800.00	0.00	0.00014	(07081403)
900.00	0.00	0.00010	(07081403)	1000.00	0.00	0.00008	(07081403)

CONC RURAL ELEV FLGPOL DFAULT

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00244	(07081424)	200.00	0.00	0.00038	(07081424)
300.00	0.00	0.00021	(07081424)	400.00	0.00	0.00011	(07081424)
500.00	0.00	0.00006	(07081424)	600.00	0.00	0.00004	(07081424)
700.00	0.00	0.00003	(07081424)	800.00	0.00	0.00002	(07081424)
900.00	0.00	0.00002	(07081424)	1000.00	0.00	0.00001	(07081424)

CONC RURAL ELEV FLGPOL DFAULT

*** THE 2ND HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00000	(00000000)	200.00	0.00	0.00000	(00000000)
300.00	0.00	0.00000	(00000000)	400.00	0.00	0.00000	(00000000)
500.00	0.00	0.00000	(00000000)	600.00	0.00	0.00000	(00000000)
700.00	0.00	0.00000	(00000000)	800.00	0.00	0.00000	(00000000)
900.00	0.00	0.00000	(00000000)	1000.00	0.00	0.00000	(00000000)

CONC RURAL ELEV FLGPOL DFAULT

*** THE MAXIMUM 50 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

** CONC OF TSP IN GRAMS/CUBIC-METER **

RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)		OF TYPE
1.	0.00605	(07081418)	AT	(100.00,	0.00)	DC
2.	0.00472	(07081419)	AT	(100.00,	0.00)	DC
3.	0.00467	(07081407)	AT	(100.00,	0.00)	DC
4.	0.00418	(07081408)	AT	(100.00,	0.00)	DC
26.	0.00074	(07081405)	AT	(200.00,	0.00)	DC
27.	0.00067	(07081407)	AT	(300.00,	0.00)	DC
28.	0.00065	(07081403)	AT	(300.00,	0.00)	DC
29.	0.00057	(07081401)	AT	(300.00,	0.00)	DC

5.	0.00416 (07081406) AT (	100.00,	0.00)	DC	30.	0.00053 (07081408) AT (	300.00,	0.00)	DC
6.	0.00406 (07081403) AT (	100.00,	0.00)	DC	31.	0.00052 (07081406) AT (	300.00,	0.00)	DC
7.	0.00392 (07081409) AT (	100.00,	0.00)	DC	32.	0.00049 (07081403) AT (	400.00,	0.00)	DC
8.	0.00375 (07081404) AT (	100.00,	0.00)	DC	33.	0.00049 (07081405) AT (	300.00,	0.00)	DC
9.	0.00372 (07081401) AT (	100.00,	0.00)	DC	34.	0.00042 (07081409) AT (	300.00,	0.00)	DC
10.	0.00302 (07081405) AT (	100.00,	0.00)	DC	35.	0.00042 (07081413) AT (	200.00,	0.00)	DC
11.	0.00295 (07081416) AT (	100.00,	0.00)	DC	36.	0.00040 (07081411) AT (	200.00,	0.00)	DC
12.	0.00248 (07081417) AT (	100.00,	0.00)	DC	37.	0.00039 (07081412) AT (	200.00,	0.00)	DC
13.	0.00220 (07081412) AT (	100.00,	0.00)	DC	38.	0.00038 (07081405) AT (	400.00,	0.00)	DC
14.	0.00211 (07081414) AT (	100.00,	0.00)	DC	39.	0.00037 (07081403) AT (	500.00,	0.00)	DC
15.	0.00193 (07081413) AT (	100.00,	0.00)	DC	40.	0.00036 (07081404) AT (	300.00,	0.00)	DC
16.	0.00169 (07081411) AT (	100.00,	0.00)	DC	41.	0.00034 (07081401) AT (	400.00,	0.00)	DC
17.	0.00168 (07081415) AT (	100.00,	0.00)	DC	42.	0.00031 (07081405) AT (	500.00,	0.00)	DC
18.	0.00111 (07081407) AT (	200.00,	0.00)	DC	43.	0.00030 (07081407) AT (	400.00,	0.00)	DC
19.	0.00104 (07081402) AT (	100.00,	0.00)	DC	44.	0.00027 (07081414) AT (	200.00,	0.00)	DC
20.	0.00100 (07081403) AT (	200.00,	0.00)	DC	45.	0.00026 (07081403) AT (	600.00,	0.00)	DC
21.	0.00099 (07081406) AT (	200.00,	0.00)	DC	46.	0.00026 (07081411) AT (	300.00,	0.00)	DC
22.	0.00096 (07081408) AT (	200.00,	0.00)	DC	47.	0.00026 (07081405) AT (	600.00,	0.00)	DC
23.	0.00089 (07081401) AT (	200.00,	0.00)	DC	48.	0.00025 (07081408) AT (	400.00,	0.00)	DC
24.	0.00089 (07081409) AT (	200.00,	0.00)	DC	49.	0.00024 (07081413) AT (	300.00,	0.00)	DC
25.	0.00089 (07081404) AT (	200.00,	0.00)	DC	50.	0.00022 (07081405) AT (	700.00,	0.00)	DC

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

CONC RURAL ELEV FLGPOL DFAULT

*** THE MAXIMUM 50 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE

GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

** CONC OF TSP IN GRAMS/CUBIC-METER **

RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)	OF TYPE	RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)	OF TYPE
1.	0.00244	(07081424)	AT (	100.00, 0.00)	DC	26.	0.00000	(00000000)	AT (	0.00, 0.00)	
2.	0.00038	(07081424)	AT (	200.00, 0.00)	DC	27.	0.00000	(00000000)	AT (	0.00, 0.00)	
3.	0.00021	(07081424)	AT (	300.00, 0.00)	DC	28.	0.00000	(00000000)	AT (	0.00, 0.00)	
4.	0.00011	(07081424)	AT (	400.00, 0.00)	DC	29.	0.00000	(00000000)	AT (	0.00, 0.00)	
5.	0.00006	(07081424)	AT (	500.00, 0.00)	DC	30.	0.00000	(00000000)	AT (	0.00, 0.00)	
6.	0.00004	(07081424)	AT (	600.00, 0.00)	DC	31.	0.00000	(00000000)	AT (	0.00, 0.00)	
7.	0.00003	(07081424)	AT (	700.00, 0.00)	DC	32.	0.00000	(00000000)	AT (	0.00, 0.00)	
8.	0.00002	(07081424)	AT (	800.00, 0.00)	DC	33.	0.00000	(00000000)	AT (	0.00, 0.00)	
9.	0.00002	(07081424)	AT (	900.00, 0.00)	DC	34.	0.00000	(00000000)	AT (	0.00, 0.00)	
10.	0.00001	(07081424)	AT (	1000.00, 0.00)	DC	35.	0.00000	(00000000)	AT (	0.00, 0.00)	
11.	0.00000	(00000000)	AT (	0.00, 0.00)		36.	0.00000	(00000000)	AT (	0.00, 0.00)	
12.	0.00000	(00000000)	AT (	0.00, 0.00)		37.	0.00000	(00000000)	AT (	0.00, 0.00)	
13.	0.00000	(00000000)	AT (	0.00, 0.00)		38.	0.00000	(00000000)	AT (	0.00, 0.00)	
14.	0.00000	(00000000)	AT (	0.00, 0.00)		39.	0.00000	(00000000)	AT (	0.00, 0.00)	
15.	0.00000	(00000000)	AT (	0.00, 0.00)		40.	0.00000	(00000000)	AT (	0.00, 0.00)	
16.	0.00000	(00000000)	AT (	0.00, 0.00)		41.	0.00000	(00000000)	AT (	0.00, 0.00)	
17.	0.00000	(00000000)	AT (	0.00, 0.00)		42.	0.00000	(00000000)	AT (	0.00, 0.00)	
18.	0.00000	(00000000)	AT (	0.00, 0.00)		43.	0.00000	(00000000)	AT (	0.00, 0.00)	
19.	0.00000	(00000000)	AT (	0.00, 0.00)		44.	0.00000	(00000000)	AT (	0.00, 0.00)	
20.	0.00000	(00000000)	AT (	0.00, 0.00)		45.	0.00000	(00000000)	AT (	0.00, 0.00)	
21.	0.00000	(00000000)	AT (	0.00, 0.00)		46.	0.00000	(00000000)	AT (	0.00, 0.00)	
22.	0.00000	(00000000)	AT (	0.00, 0.00)		47.	0.00000	(00000000)	AT (	0.00, 0.00)	
23.	0.00000	(00000000)	AT (	0.00, 0.00)		48.	0.00000	(00000000)	AT (	0.00, 0.00)	
24.	0.00000	(00000000)	AT (	0.00, 0.00)		49.	0.00000	(00000000)	AT (	0.00, 0.00)	
25.	0.00000	(00000000)	AT (	0.00, 0.00)		50.	0.00000	(00000000)	AT (	0.00, 0.00)	

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

CONC RURAL ELEV FLGPOL DFAULT

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

** CONC OF TSP IN GRAMS/CUBIC-METER **

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

ALL HIGH 1ST HIGH VALUE IS 0.00605 ON 07081418: AT (100.00, 0.00, 920.00, 0.00) DC
NA
HIGH 2ND HIGH VALUE IS 0.00472 ON 07081419: AT (100.00, 0.00, 920.00, 0.00) DC
NA

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/01/10
*** *** 10:28:21
**MODELOPTs: PAGE 14
CONC RURAL ELEV FLGPOL DFAULT

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

** CONC OF TSP IN GRAMS/CUBIC-METER **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	NETWORK RECEPTOR (XR, YR, ZELEV, ZFLAG) OF TYPE GRID-ID
ALL	1ST HIGH VALUE IS	0.00244	ON 07081424: AT (100.00, 0.00, 920.00, 0.00) DC
	2ND HIGH VALUE IS	0.00000	ON 00000000: AT (0.00, 0.00, 0.00, 0.00)

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/01/10
*** *** 10:28:21
**MODELOPTs: PAGE 15
CONC RURAL ELEV FLGPOL DFAULT

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

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

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

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

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

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

```
CO STARTING
CO TITLEONE RUN1
CO MODELOPT DFAULT CONC RURAL
CO AVERTIME  1 24
co terrhgts elev
co flagpole 0.0
CO POLLUTID TSP
CO DCAYCOEF      .00000000
CO RUNORNOT RUN
CO ERRORFIL ERRORS.LST
CO FINISHED


SO STARTING

**        SRCID  SRCTYP    XS      YS      ZS
**        ----- ------  -----   -----    -----
SO LOCATION    1    AREA     0.      0.     .0000

**        SRCID    QS      HS     XINIT   YINIT
**        -----  ----    ----   -----  -----
SO SRCPARAM     1   0.00008    0.0     100.     50.

SO EMISUNIT     1.0 (GRAMS/(SEC-M**2))          grams/cubic-meter

SO SRCGROUP ALL
SO FINISHED


RE STARTING
RE DISCCART    100.     0.  920.   0.0
RE DISCCART    200.     0.  940.   0.0
RE DISCCART    300.     0.  950.   0.0
RE DISCCART    400.     0.  945.   0.0
RE DISCCART    500.     0.  945.   0.0
RE DISCCART    600.     0.  940.   0.0
RE DISCCART    700.     0.  940.   0.0
RE DISCCART    800.     0.  935.   0.0
RE DISCCART    900.     0.  930.   0.0
RE DISCCART   1000.     0.  930.   0.0
RE FINISHED


ME STARTING
ME INPUTFIL  SEP.MET
ME ANEMHGHT     3.0 METERS
ME SURFDATA  99999   2010          SURFNAME
ME UAIRDATA  99999   2010          UAIRNAME
ME WINDCATS    1.54    3.09    5.14    8.23   10.80
ME FINISHED
```

OU STARTING
OU RECTABLE ALLAVE FIRST SECOND
OU MAXTABLE ALLAVE 50
OU FINISHED

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

CONC RURAL ELEV FLGPOL DFAULT

*** MODEL SETUP OPTIONS SUMMARY ***

- -

**Intermediate Terrain Processing is Selected

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

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

**Model Uses RURAL Dispersion.

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

**Model Accepts Receptors on ELEV Terrain.

**Model Accepts FLAGPOLE Receptor Heights.

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

**This Run Includes: 1 Source(s); 1 Source Group(s); and 10 Receptor(s)

**The Model Assumes A Pollutant Type of: TSP

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

**Output Options Selected:

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs Tables of Overall Maximum Short Term Values (MAXTABLE Keyword)

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

**Misc. Inputs: Anem. Hgt. (m) = 3.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = (GRAMS/(SEC-M**2)) ; Emission Rate Unit Factor = 1.0000
Output Units = GRAMS/CUBIC-METER

**Approximate Storage Requirements of Model = 1.2 MB of RAM.

**Input Runstream File: MONTHLY.INP
**Output Print File: SEP.OUT
**Detailed Error/Message File: ERRORS.LST
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/01/10
*** *** 10:29:59
**MODELOPTs: PAGE 2
CONC RURAL ELEV FLGPOL DFAULT

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (USER UNITS /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	EMISSION RATE SCALAR VARY BY
1	0	0.80000E-04	0.0	0.0	0.0	0.00	100.00	50.00	0.00	0.00	

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/01/10
*** *** 10:29:59
**MODELOPTs: PAGE 3
CONC RURAL ELEV FLGPOL DFAULT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	1 ,

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/01/10
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CONC RURAL ELEV FLGPOL DFAULT

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

(100.0, 0.0, 920.0, 0.0); (200.0, 0.0, 940.0, 0.0);
(300.0, 0.0, 950.0, 0.0); (400.0, 0.0, 945.0, 0.0);
(500.0, 0.0, 945.0, 0.0); (600.0, 0.0, 940.0, 0.0);
(700.0, 0.0, 940.0, 0.0); (800.0, 0.0, 935.0, 0.0);
(900.0, 0.0, 930.0, 0.0); (1000.0, 0.0, 930.0, 0.0);

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

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

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

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

1.54, 3.09, 5.14, 8.23, 10.80,

*** WIND PROFILE EXPONENTS ***

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

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

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

CONC RURAL ELEV FLGPOL DFAULT

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

FILE: SEP.MET
FORMAT: (4I2,2F9.4,F6.1,I2,2F7.1,f9.4,f10.1,f8.4,i4,f7.2)
SURFACE STATION NO.: 99999 UPPER AIR STATION NO.: 99999
NAME: SURFNAME NAME: UAIRNAME
YEAR: 2010 YEAR: 2010

YR	MN	DY	HR	FLOW VECTOR	SPEED (M/S)	TEMP (K)	STAB CLASS	MIXING HEIGHT (M) RURAL	MIXING HEIGHT (M) URBAN	USTAR (M/S)	M-O LENGTH (M)	Z-0 (M)	IPCODE	PRATE (mm/HR)
08	09	28	01	337.2	4.08	272.0	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	09	28	02	342.9	3.15	272.0	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	09	28	03	335.8	2.60	272.0	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	09	28	04	34.8	1.30	271.5	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	09	28	05	352.7	1.48	271.5	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	09	28	06	57.3	1.48	270.6	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	09	28	07	82.5	1.48	270.6	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	09	28	08	102.2	1.30	270.6	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	09	28	09	105.0	1.48	270.1	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	09	28	10	109.2	1.30	269.6	5	102.0	102.0	0.0000	0.0	0.0000	0	0.00
08	09	28	11	74.1	1.11	269.6	5	230.0	230.0	0.0000	0.0	0.0000	0	0.00
08	09	28	12	83.9	1.67	269.6	5	358.0	358.0	0.0000	0.0	0.0000	0	0.00
08	09	28	13	100.8	1.30	270.1	5	470.0	470.0	0.0000	0.0	0.0000	0	0.00
08	09	28	14	112.0	1.11	270.1	5	561.0	561.0	0.0000	0.0	0.0000	0	0.00
08	09	28	15	54.5	1.48	269.6	5	624.0	624.0	0.0000	0.0	0.0000	0	0.00
08	09	28	16	123.2	0.19	270.1	5	657.0	657.0	0.0000	0.0	0.0000	0	0.00
08	09	28	17	67.1	1.11	270.1	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	09	28	18	75.5	1.67	269.6	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	09	28	19	79.7	1.48	269.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	09	28	20	92.4	1.86	268.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	09	28	21	99.4	1.48	268.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	09	28	22	88.1	1.67	267.7	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	09	28	23	79.7	1.30	267.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	09	28	24	58.7	1.30	266.7	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00

*** NOTES: STABILITY CLASS 1=A, 2=B, 3=C, 4=D, 5=E AND 6=F.
FLOW VECTOR IS DIRECTION TOWARD WHICH WIND IS BLOWING.

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/01/10
*** *** 10:29:59
**MODELOPTs: PAGE 7
CONC RURAL ELEV FLGPOL DFAULT

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00661	(08092808)	200.00	0.00	0.00153	(08092808)
300.00	0.00	0.00072	(08092821)	400.00	0.00	0.00047	(08092820)
500.00	0.00	0.00038	(08092820)	600.00	0.00	0.00030	(08092820)
700.00	0.00	0.00024	(08092820)	800.00	0.00	0.00019	(08092820)
900.00	0.00	0.00016	(08092820)	1000.00	0.00	0.00013	(08092820)

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/01/10
*** *** 10:29:59
**MODELOPTs: PAGE 8
CONC RURAL ELEV FLGPOL DFAULT

*** THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00583	(08092809)	200.00	0.00	0.00137	(08092821)
300.00	0.00	0.00061	(08092820)	400.00	0.00	0.00020	(08092821)
500.00	0.00	0.00009	(08092822)	600.00	0.00	0.00007	(08092822)
700.00	0.00	0.00006	(08092822)	800.00	0.00	0.00006	(08092822)
900.00	0.00	0.00005	(08092822)	1000.00	0.00	0.00005	(08092822)

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/01/10
*** *** 10:29:59
**MODELOPTs: PAGE 9
CONC RURAL ELEV FLGPOL DFAULT

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00182	(08092824)	200.00	0.00	0.00030	(08092824)
300.00	0.00	0.00010	(08092824)	400.00	0.00	0.00004	(08092824)
500.00	0.00	0.00002	(08092824)	600.00	0.00	0.00002	(08092824)
700.00	0.00	0.00001	(08092824)	800.00	0.00	0.00001	(08092824)
900.00	0.00	0.00001	(08092824)	1000.00	0.00	0.00001	(08092824)

CONC RURAL ELEV FLGPOL DFAULT

*** THE 2ND HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00000	(00000000)	200.00	0.00	0.00000	(00000000)
300.00	0.00	0.00000	(00000000)	400.00	0.00	0.00000	(00000000)
500.00	0.00	0.00000	(00000000)	600.00	0.00	0.00000	(00000000)
700.00	0.00	0.00000	(00000000)	800.00	0.00	0.00000	(00000000)
900.00	0.00	0.00000	(00000000)	1000.00	0.00	0.00000	(00000000)

CONC RURAL ELEV FLGPOL DFAULT

*** THE MAXIMUM 50 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

** CONC OF TSP IN GRAMS/CUBIC-METER **

RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)	OF TYPE	RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)	OF TYPE
1.	0.00661	(08092808)	AT	(100.00, 0.00)	DC	26.	0.00023	(08092812)	AT	(100.00, 0.00)	DC
2.	0.00583	(08092809)	AT	(100.00, 0.00)	DC	27.	0.00020	(08092821)	AT	(400.00, 0.00)	DC
3.	0.00577	(08092821)	AT	(100.00, 0.00)	DC	28.	0.00019	(08092820)	AT	(800.00, 0.00)	DC
4.	0.00570	(08092816)	AT	(100.00, 0.00)	DC	29.	0.00016	(08092820)	AT	(900.00, 0.00)	DC

5.	0.00539	(08092814)	AT (	100.00,	0.00)	DC	30.	0.00015	(08092822)	AT (	300.00,	0.00) DC
6.	0.00458	(08092810)	AT (	100.00,	0.00)	DC	31.	0.00013	(08092820)	AT (	1000.00,	0.00) DC
7.	0.00451	(08092813)	AT (	100.00,	0.00)	DC	32.	0.00011	(08092822)	AT (	400.00,	0.00) DC
8.	0.00375	(08092820)	AT (	100.00,	0.00)	DC	33.	0.00011	(08092813)	AT (	400.00,	0.00) DC
9.	0.00153	(08092808)	AT (	200.00,	0.00)	DC	34.	0.00009	(08092822)	AT (	500.00,	0.00) DC
10.	0.00137	(08092821)	AT (	200.00,	0.00)	DC	35.	0.00008	(08092809)	AT (	300.00,	0.00) DC
11.	0.00121	(08092822)	AT (	100.00,	0.00)	DC	36.	0.00007	(08092822)	AT (	600.00,	0.00) DC
12.	0.00117	(08092809)	AT (	200.00,	0.00)	DC	37.	0.00006	(08092822)	AT (	700.00,	0.00) DC
13.	0.00100	(08092813)	AT (	200.00,	0.00)	DC	38.	0.00006	(08092822)	AT (	800.00,	0.00) DC
14.	0.00093	(08092820)	AT (	200.00,	0.00)	DC	39.	0.00005	(08092822)	AT (	900.00,	0.00) DC
15.	0.00072	(08092821)	AT (	300.00,	0.00)	DC	40.	0.00005	(08092822)	AT (	1000.00,	0.00) DC
16.	0.00061	(08092820)	AT (	300.00,	0.00)	DC	41.	0.00004	(08092821)	AT (	500.00,	0.00) DC
17.	0.00054	(08092810)	AT (	200.00,	0.00)	DC	42.	0.00003	(08092813)	AT (	500.00,	0.00) DC
18.	0.00047	(08092820)	AT (	400.00,	0.00)	DC	43.	0.00003	(08092812)	AT (	200.00,	0.00) DC
19.	0.00041	(08092808)	AT (	300.00,	0.00)	DC	44.	0.00003	(08092808)	AT (	400.00,	0.00) DC
20.	0.00039	(08092813)	AT (	300.00,	0.00)	DC	45.	0.00002	(08092807)	AT (	100.00,	0.00) DC
21.	0.00039	(08092814)	AT (	200.00,	0.00)	DC	46.	0.00002	(08092812)	AT (	300.00,	0.00) DC
22.	0.00038	(08092820)	AT (	500.00,	0.00)	DC	47.	0.00001	(08092813)	AT (	600.00,	0.00) DC
23.	0.00030	(08092820)	AT (	600.00,	0.00)	DC	48.	0.00001	(08092812)	AT (	400.00,	0.00) DC
24.	0.00025	(08092822)	AT (	200.00,	0.00)	DC	49.	0.00001	(08092810)	AT (	300.00,	0.00) DC
25.	0.00024	(08092820)	AT (	700.00,	0.00)	DC	50.	0.00001	(08092821)	AT (	600.00,	0.00) DC

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

CONC RURAL ELEV FLGPOL DFAULT

*** THE MAXIMUM 50 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE

GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

** CONC OF TSP IN GRAMS/CUBIC-METER **

RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)	OF TYPE	RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)	OF TYPE
1.	0.00182	(08092824)	AT (	100.00, 0.00)	DC	26.	0.00000	(00000000)	AT (	0.00, 0.00)	
2.	0.00030	(08092824)	AT (	200.00, 0.00)	DC	27.	0.00000	(00000000)	AT (	0.00, 0.00)	
3.	0.00010	(08092824)	AT (	300.00, 0.00)	DC	28.	0.00000	(00000000)	AT (	0.00, 0.00)	
4.	0.00004	(08092824)	AT (	400.00, 0.00)	DC	29.	0.00000	(00000000)	AT (	0.00, 0.00)	
5.	0.00002	(08092824)	AT (	500.00, 0.00)	DC	30.	0.00000	(00000000)	AT (	0.00, 0.00)	
6.	0.00002	(08092824)	AT (	600.00, 0.00)	DC	31.	0.00000	(00000000)	AT (	0.00, 0.00)	
7.	0.00001	(08092824)	AT (	700.00, 0.00)	DC	32.	0.00000	(00000000)	AT (	0.00, 0.00)	
8.	0.00001	(08092824)	AT (	800.00, 0.00)	DC	33.	0.00000	(00000000)	AT (	0.00, 0.00)	
9.	0.00001	(08092824)	AT (	900.00, 0.00)	DC	34.	0.00000	(00000000)	AT (	0.00, 0.00)	
10.	0.00001	(08092824)	AT (	1000.00, 0.00)	DC	35.	0.00000	(00000000)	AT (	0.00, 0.00)	
11.	0.00000	(00000000)	AT (	0.00, 0.00)		36.	0.00000	(00000000)	AT (	0.00, 0.00)	
12.	0.00000	(00000000)	AT (	0.00, 0.00)		37.	0.00000	(00000000)	AT (	0.00, 0.00)	
13.	0.00000	(00000000)	AT (	0.00, 0.00)		38.	0.00000	(00000000)	AT (	0.00, 0.00)	
14.	0.00000	(00000000)	AT (	0.00, 0.00)		39.	0.00000	(00000000)	AT (	0.00, 0.00)	
15.	0.00000	(00000000)	AT (	0.00, 0.00)		40.	0.00000	(00000000)	AT (	0.00, 0.00)	
16.	0.00000	(00000000)	AT (	0.00, 0.00)		41.	0.00000	(00000000)	AT (	0.00, 0.00)	
17.	0.00000	(00000000)	AT (	0.00, 0.00)		42.	0.00000	(00000000)	AT (	0.00, 0.00)	
18.	0.00000	(00000000)	AT (	0.00, 0.00)		43.	0.00000	(00000000)	AT (	0.00, 0.00)	
19.	0.00000	(00000000)	AT (	0.00, 0.00)		44.	0.00000	(00000000)	AT (	0.00, 0.00)	
20.	0.00000	(00000000)	AT (	0.00, 0.00)		45.	0.00000	(00000000)	AT (	0.00, 0.00)	
21.	0.00000	(00000000)	AT (	0.00, 0.00)		46.	0.00000	(00000000)	AT (	0.00, 0.00)	
22.	0.00000	(00000000)	AT (	0.00, 0.00)		47.	0.00000	(00000000)	AT (	0.00, 0.00)	
23.	0.00000	(00000000)	AT (	0.00, 0.00)		48.	0.00000	(00000000)	AT (	0.00, 0.00)	
24.	0.00000	(00000000)	AT (	0.00, 0.00)		49.	0.00000	(00000000)	AT (	0.00, 0.00)	
25.	0.00000	(00000000)	AT (	0.00, 0.00)		50.	0.00000	(00000000)	AT (	0.00, 0.00)	

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

CONC RURAL ELEV FLGPOL DFAULT

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

** CONC OF TSP IN GRAMS/CUBIC-METER **

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

ALL HIGH 1ST HIGH VALUE IS 0.00661 ON 08092808: AT (100.00, 0.00, 920.00, 0.00) DC
NA
HIGH 2ND HIGH VALUE IS 0.00583 ON 08092809: AT (100.00, 0.00, 920.00, 0.00) DC
NA

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/01/10
*** *** 10:29:59
**MODELOPTs: PAGE 14
CONC RURAL ELEV FLGPOL DFAULT

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

** CONC OF TSP IN GRAMS/CUBIC-METER **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	NETWORK RECEPTOR (XR, YR, ZELEV, ZFLAG) OF TYPE GRID-ID
ALL	1ST HIGH VALUE IS	0.00182 ON 08092824	AT (100.00, 0.00, 920.00, 0.00) DC
	2ND HIGH VALUE IS	0.00000 ON 00000000	AT (0.00, 0.00, 0.00, 0.00)

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/01/10
*** *** 10:29:59
**MODELOPTs: PAGE 15
CONC RURAL ELEV FLGPOL DFAULT

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

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

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

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

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

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

```
CO STARTING
CO TITLEONE RUN1
CO MODELOPT DFAULT CONC RURAL
CO AVERTIME  1 24
co terrhgts elev
co flagpole 0.0
CO POLLUTID TSP
CO DCAYCOEF      .00000000
CO RUNORNOT RUN
CO ERRORFIL ERRORS.LST
CO FINISHED


SO STARTING

**        SRCID  SRCTYP    XS      YS      ZS
**        ----- ------  -----   -----    -----
SO LOCATION    1    AREA     0.      0.     .0000

**        SRCID    QS      HS     XINIT   YINIT
**        -----  ----    ----   -----  -----
SO SRCPARAM     1   0.00019    0.0     100.     50.

SO EMISUNIT     1.0 (GRAMS/(SEC-M**2))          grams/cubic-meter

SO SRCGROUP ALL
SO FINISHED


RE STARTING
RE DISCCART    100.     0.  920.   0.0
RE DISCCART    200.     0.  940.   0.0
RE DISCCART    300.     0.  950.   0.0
RE DISCCART    400.     0.  945.   0.0
RE DISCCART    500.     0.  945.   0.0
RE DISCCART    600.     0.  940.   0.0
RE DISCCART    700.     0.  940.   0.0
RE DISCCART    800.     0.  935.   0.0
RE DISCCART    900.     0.  930.   0.0
RE DISCCART   1000.     0.  930.   0.0
RE FINISHED


ME STARTING
ME INPUTFIL  DEC.MET
ME ANEMHGHT     3.0 METERS
ME SURFDATA  99999   2010          SURFNAME
ME UAIRDATA  99999   2010          UAIRNAME
ME WINDCATS    1.54    3.09    5.14    8.23   10.80
ME FINISHED
```

OU STARTING
OU RECTABLE ALLAVE FIRST SECOND
OU MAXTABLE ALLAVE 50
OU FINISHED

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

CONC RURAL ELEV FLGPOL DFAULT

*** MODEL SETUP OPTIONS SUMMARY ***

**Intermediate Terrain Processing is Selected

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

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

**Model Uses RURAL Dispersion.

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

**Model Accepts Receptors on ELEV Terrain.

**Model Accepts FLAGPOLE Receptor Heights.

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

**This Run Includes: 1 Source(s); 1 Source Group(s); and 10 Receptor(s)

**The Model Assumes A Pollutant Type of: TSP

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

**Output Options Selected:

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs Tables of Overall Maximum Short Term Values (MAXTABLE Keyword)

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

**Misc. Inputs: Anem. Hgt. (m) = 3.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = (GRAMS/(SEC-M**2)) ; Emission Rate Unit Factor = 1.0000
Output Units = GRAMS/CUBIC-METER

**Approximate Storage Requirements of Model = 1.2 MB of RAM.

**Input Runstream File: MONTHLY.INP
**Output Print File: DEC.OUT
**Detailed Error/Message File: ERRORS.LST
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/01/10
*** *** 10:31:22
**MODELOPTs: PAGE 2
CONC RURAL ELEV FLGPOL DFAULT

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (USER UNITS /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	EMISSION RATE SCALAR VARY BY
1	0	0.19000E-03	0.0	0.0	0.0	0.00	100.00	50.00	0.00	0.00	

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/01/10
*** *** 10:31:22
**MODELOPTs: PAGE 3
CONC RURAL ELEV FLGPOL DFAULT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	1 ,

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/01/10
*** *** 10:31:22
**MODELOPTs: PAGE 4
CONC RURAL ELEV FLGPOL DFAULT

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

(100.0, 0.0, 920.0, 0.0); (200.0, 0.0, 940.0, 0.0);
(300.0, 0.0, 950.0, 0.0); (400.0, 0.0, 945.0, 0.0);
(500.0, 0.0, 945.0, 0.0); (600.0, 0.0, 940.0, 0.0);
(700.0, 0.0, 940.0, 0.0); (800.0, 0.0, 935.0, 0.0);
(900.0, 0.0, 930.0, 0.0); (1000.0, 0.0, 930.0, 0.0);

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

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

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

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

1.54, 3.09, 5.14, 8.23, 10.80,

*** WIND PROFILE EXPONENTS ***

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

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

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

CONC RURAL ELEV FLGPOL DFAULT

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

FILE: DEC.MET
FORMAT: (4I2,2F9.4,F6.1,I2,2F7.1,f9.4,f10.1,f8.4,i4,f7.2)
SURFACE STATION NO.: 99999 UPPER AIR STATION NO.: 99999
NAME: SURFNAME NAME: UAIRNAME
YEAR: 2010 YEAR: 2010

YR MN DY HR	FLOW VECTOR	SPEED (M/S)	TEMP (K)	STAB CLASS	MIXING HEIGHT (M) RURAL	URBAN	USTAR (M/S)	M-O LENGTH (M)	Z-0 (M)	IPCODE	PRATE (mm/HR)
08 12 15 01	75.5	3.71	256.3	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08 12 15 02	69.9	5.38	255.7	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08 12 15 03	93.8	6.31	255.0	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08 12 15 04	79.7	6.31	253.5	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08 12 15 05	72.7	5.01	253.5	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08 12 15 06	91.0	4.27	252.8	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08 12 15 07	110.6	5.38	254.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08 12 15 08	112.0	5.01	253.5	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08 12 15 09	95.2	3.71	252.8	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08 12 15 10	103.6	4.82	252.8	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08 12 15 11	110.6	3.90	253.5	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08 12 15 12	106.4	4.08	253.5	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08 12 15 13	96.6	3.34	253.5	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08 12 15 14	98.0	4.45	254.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08 12 15 15	99.4	2.97	254.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08 12 15 16	93.8	2.23	254.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08 12 15 17	102.2	3.53	254.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08 12 15 18	107.8	3.15	254.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08 12 15 19	107.8	2.78	253.5	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08 12 15 20	96.6	2.97	252.8	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08 12 15 21	100.8	2.97	252.8	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08 12 15 22	88.1	1.67	252.8	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08 12 15 23	72.7	1.86	252.0	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08 12 15 24	76.9	1.48	252.8	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00

*** NOTES: STABILITY CLASS 1=A, 2=B, 3=C, 4=D, 5=E AND 6=F.
FLOW VECTOR IS DIRECTION TOWARD WHICH WIND IS BLOWING.

CONC RURAL ELEV FLGPOL DFAULT

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00839	(08121516)	200.00	0.00	0.00206	(08121516)
300.00	0.00	0.00135	(08121516)	400.00	0.00	0.00101	(08121516)
500.00	0.00	0.00075	(08121516)	600.00	0.00	0.00054	(08121516)
700.00	0.00	0.00039	(08121516)	800.00	0.00	0.00028	(08121516)
900.00	0.00	0.00021	(08121516)	1000.00	0.00	0.00016	(08121516)

CONC RURAL ELEV FLGPOL DFAULT

*** THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00740	(08121519)	200.00	0.00	0.00162	(08121515)
300.00	0.00	0.00103	(08121520)	400.00	0.00	0.00062	(08121520)
500.00	0.00	0.00037	(08121509)	600.00	0.00	0.00026	(08121506)
700.00	0.00	0.00022	(08121506)	800.00	0.00	0.00019	(08121506)
900.00	0.00	0.00016	(08121506)	1000.00	0.00	0.00014	(08121506)

CONC RURAL ELEV FLGPOL DFAULT

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00400	(08121524)	200.00	0.00	0.00080	(08121524)
300.00	0.00	0.00034	(08121524)	400.00	0.00	0.00019	(08121524)
500.00	0.00	0.00011	(08121524)	600.00	0.00	0.00007	(08121524)
700.00	0.00	0.00005	(08121524)	800.00	0.00	0.00004	(08121524)
900.00	0.00	0.00003	(08121524)	1000.00	0.00	0.00002	(08121524)

CONC RURAL ELEV FLGPOL DFAULT

*** THE 2ND HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00000	(00000000)	200.00	0.00	0.00000	(00000000)
300.00	0.00	0.00000	(00000000)	400.00	0.00	0.00000	(00000000)
500.00	0.00	0.00000	(00000000)	600.00	0.00	0.00000	(00000000)
700.00	0.00	0.00000	(00000000)	800.00	0.00	0.00000	(00000000)
900.00	0.00	0.00000	(00000000)	1000.00	0.00	0.00000	(00000000)

CONC RURAL ELEV FLGPOL DFAULT

*** THE MAXIMUM 50 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

** CONC OF TSP IN GRAMS/CUBIC-METER **

RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)		OF TYPE
1.	0.00839	(08121516)	AT	(100.00,	0.00)	DC
2.	0.00740	(08121519)	AT	(100.00,	0.00)	DC
3.	0.00685	(08121521)	AT	(100.00,	0.00)	DC
4.	0.00683	(08121515)	AT	(100.00,	0.00)	DC
26.	0.00129	(08121509)	AT	(200.00,	0.00)	DC
27.	0.00110	(08121519)	AT	(200.00,	0.00)	DC
28.	0.00108	(08121514)	AT	(200.00,	0.00)	DC
29.	0.00103	(08121520)	AT	(300.00,	0.00)	DC

5.	0.00679 (08121520) AT (	100.00,	0.00)	DC	30.	0.00101 (08121516) AT (	400.00,	0.00)	DC		
6.	0.00653 (08121518) AT (	100.00,	0.00)	DC	31.	0.00097 (08121518) AT (	200.00,	0.00)	DC		
7.	0.00603 (08121513) AT (	100.00,	0.00)	DC	32.	0.00093 (08121510) AT (	200.00,	0.00)	DC		
8.	0.00578 (08121517) AT (	100.00,	0.00)	DC	33.	0.00092 (08121513) AT (	300.00,	0.00)	DC		
9.	0.00532 (08121509) AT (	100.00,	0.00)	DC	34.	0.00089 (08121512) AT (	200.00,	0.00)	DC		
10.	0.00531 (08121511) AT (	100.00,	0.00)	DC	35.	0.00085 (08121515) AT (	300.00,	0.00)	DC		
11.	0.00503 (08121512) AT (	100.00,	0.00)	DC	36.	0.00084 (08121509) AT (	300.00,	0.00)	DC		
12.	0.00456 (08121514) AT (	100.00,	0.00)	DC	37.	0.00076 (08121506) AT (	200.00,	0.00)	DC		
13.	0.00424 (08121510) AT (	100.00,	0.00)	DC	38.	0.00075 (08121516) AT (	500.00,	0.00)	DC		
14.	0.00414 (08121508) AT (	100.00,	0.00)	DC	39.	0.00073 (08121503) AT (	200.00,	0.00)	DC		
15.	0.00385 (08121507) AT (	100.00,	0.00)	DC	40.	0.00065 (08121521) AT (	300.00,	0.00)	DC		
16.	0.00307 (08121506) AT (	100.00,	0.00)	DC	41.	0.00065 (08121514) AT (	300.00,	0.00)	DC		
17.	0.00296 (08121503) AT (	100.00,	0.00)	DC	42.	0.00062 (08121520) AT (	400.00,	0.00)	DC		
18.	0.00288 (08121522) AT (	100.00,	0.00)	DC	43.	0.00059 (08121509) AT (	400.00,	0.00)	DC		
19.	0.00206 (08121516) AT (	200.00,	0.00)	DC	44.	0.00058 (08121522) AT (	200.00,	0.00)	DC		
20.	0.00162 (08121515) AT (	200.00,	0.00)	DC	45.	0.00055 (08121513) AT (	400.00,	0.00)	DC		
21.	0.00162 (08121520) AT (	200.00,	0.00)	DC	46.	0.00054 (08121516) AT (	600.00,	0.00)	DC		
22.	0.00162 (08121521) AT (	200.00,	0.00)	DC	47.	0.00051 (08121511) AT (	200.00,	0.00)	DC		
23.	0.00144 (08121513) AT (	200.00,	0.00)	DC	48.	0.00050 (08121506) AT (	300.00,	0.00)	DC		
24.	0.00135 (08121516) AT (	300.00,	0.00)	DC	49.	0.00048 (08121503) AT (	300.00,	0.00)	DC		
25.	0.00133 (08121517) AT (	200.00,	0.00)	DC	50.	0.00039 (08121516) AT (	700.00,	0.00)	DC		

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

CONC RURAL ELEV FLGPOL DFAULT

*** THE MAXIMUM 50 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE

GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

** CONC OF TSP IN GRAMS/CUBIC-METER **

RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)	OF TYPE	RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)	OF TYPE
1.	0.00400	(08121524)	AT (	100.00, 0.00)	DC	26.	0.00000	(00000000)	AT (	0.00, 0.00)	
2.	0.00080	(08121524)	AT (	200.00, 0.00)	DC	27.	0.00000	(00000000)	AT (	0.00, 0.00)	
3.	0.00034	(08121524)	AT (	300.00, 0.00)	DC	28.	0.00000	(00000000)	AT (	0.00, 0.00)	
4.	0.00019	(08121524)	AT (	400.00, 0.00)	DC	29.	0.00000	(00000000)	AT (	0.00, 0.00)	
5.	0.00011	(08121524)	AT (	500.00, 0.00)	DC	30.	0.00000	(00000000)	AT (	0.00, 0.00)	
6.	0.00007	(08121524)	AT (	600.00, 0.00)	DC	31.	0.00000	(00000000)	AT (	0.00, 0.00)	
7.	0.00005	(08121524)	AT (	700.00, 0.00)	DC	32.	0.00000	(00000000)	AT (	0.00, 0.00)	
8.	0.00004	(08121524)	AT (	800.00, 0.00)	DC	33.	0.00000	(00000000)	AT (	0.00, 0.00)	
9.	0.00003	(08121524)	AT (	900.00, 0.00)	DC	34.	0.00000	(00000000)	AT (	0.00, 0.00)	
10.	0.00002	(08121524)	AT (	1000.00, 0.00)	DC	35.	0.00000	(00000000)	AT (	0.00, 0.00)	
11.	0.00000	(00000000)	AT (	0.00, 0.00)		36.	0.00000	(00000000)	AT (	0.00, 0.00)	
12.	0.00000	(00000000)	AT (	0.00, 0.00)		37.	0.00000	(00000000)	AT (	0.00, 0.00)	
13.	0.00000	(00000000)	AT (	0.00, 0.00)		38.	0.00000	(00000000)	AT (	0.00, 0.00)	
14.	0.00000	(00000000)	AT (	0.00, 0.00)		39.	0.00000	(00000000)	AT (	0.00, 0.00)	
15.	0.00000	(00000000)	AT (	0.00, 0.00)		40.	0.00000	(00000000)	AT (	0.00, 0.00)	
16.	0.00000	(00000000)	AT (	0.00, 0.00)		41.	0.00000	(00000000)	AT (	0.00, 0.00)	
17.	0.00000	(00000000)	AT (	0.00, 0.00)		42.	0.00000	(00000000)	AT (	0.00, 0.00)	
18.	0.00000	(00000000)	AT (	0.00, 0.00)		43.	0.00000	(00000000)	AT (	0.00, 0.00)	
19.	0.00000	(00000000)	AT (	0.00, 0.00)		44.	0.00000	(00000000)	AT (	0.00, 0.00)	
20.	0.00000	(00000000)	AT (	0.00, 0.00)		45.	0.00000	(00000000)	AT (	0.00, 0.00)	
21.	0.00000	(00000000)	AT (	0.00, 0.00)		46.	0.00000	(00000000)	AT (	0.00, 0.00)	
22.	0.00000	(00000000)	AT (	0.00, 0.00)		47.	0.00000	(00000000)	AT (	0.00, 0.00)	
23.	0.00000	(00000000)	AT (	0.00, 0.00)		48.	0.00000	(00000000)	AT (	0.00, 0.00)	
24.	0.00000	(00000000)	AT (	0.00, 0.00)		49.	0.00000	(00000000)	AT (	0.00, 0.00)	
25.	0.00000	(00000000)	AT (	0.00, 0.00)		50.	0.00000	(00000000)	AT (	0.00, 0.00)	

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

CONC RURAL ELEV FLGPOL DFAULT

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

** CONC OF TSP IN GRAMS/CUBIC-METER **

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

ALL HIGH 1ST HIGH VALUE IS 0.00839 ON 08121516: AT (100.00, 0.00, 920.00, 0.00) DC NA
HIGH 2ND HIGH VALUE IS 0.00740 ON 08121519: AT (100.00, 0.00, 920.00, 0.00) DC NA

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/01/10
*** *** 10:31:22
**MODELOPTs: PAGE 14
CONC RURAL ELEV FLGPOL DFAULT

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

** CONC OF TSP IN GRAMS/CUBIC-METER **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	NETWORK RECEPTOR (XR, YR, ZELEV, ZFLAG) OF TYPE GRID-ID
ALL	1ST HIGH VALUE IS	0.00400	ON 08121524: AT (100.00, 0.00, 920.00, 0.00) DC NA
	2ND HIGH VALUE IS	0.00000	ON 00000000: AT (0.00, 0.00, 0.00, 0.00)

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/01/10
*** *** 10:31:22
**MODELOPTs: PAGE 15
CONC RURAL ELEV FLGPOL DFAULT

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

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

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

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

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

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

```
CO STARTING
CO TITLEONE RUN1
CO MODELOPT DFAULT CONC RURAL
CO AVERTIME  1 24
co terrhgts elev
co flagpole 0.0
CO POLLUTID TSP
CO DCAYCOEF      .00000000
CO RUNORNOT RUN
CO ERRORFIL ERRORS.LST
CO FINISHED


SO STARTING

**        SRCID  SRCTYP    XS      YS      ZS
**        ----- ------  -----   -----    -----
SO LOCATION    1    AREA     0.      0.     .0000

**        SRCID    QS      HS     XINIT   YINIT
**        -----  ----    ----   -----  -----
SO SRCPARAM     1   0.00012    0.0     100.     50.

SO EMISUNIT     1.0 (GRAMS/(SEC-M**2))          grams/cubic-meter

SO SRCGROUP ALL
SO FINISHED


RE STARTING
RE DISCCART    100.     0.  920.   0.0
RE DISCCART    200.     0.  940.   0.0
RE DISCCART    300.     0.  950.   0.0
RE DISCCART    400.     0.  945.   0.0
RE DISCCART    500.     0.  945.   0.0
RE DISCCART    600.     0.  940.   0.0
RE DISCCART    700.     0.  940.   0.0
RE DISCCART    800.     0.  935.   0.0
RE DISCCART    900.     0.  930.   0.0
RE DISCCART   1000.     0.  930.   0.0
RE FINISHED


ME STARTING
ME INPUTFIL  DEC.MET
ME ANEMHGHT     3.0 METERS
ME SURFDATA  99999   2010          SURFNAME
ME UAIRDATA  99999   2010          UAIRNAME
ME WINDCATS    1.54    3.09    5.14    8.23   10.80
ME FINISHED
```

OU STARTING
OU RECTABLE ALLAVE FIRST SECOND
OU MAXTABLE ALLAVE 50
OU FINISHED

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

CONC RURAL ELEV FLGPOL DFAULT

*** MODEL SETUP OPTIONS SUMMARY ***

**Intermediate Terrain Processing is Selected

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

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

**Model Uses RURAL Dispersion.

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

**Model Accepts Receptors on ELEV Terrain.

**Model Accepts FLAGPOLE Receptor Heights.

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

**This Run Includes: 1 Source(s); 1 Source Group(s); and 10 Receptor(s)

**The Model Assumes A Pollutant Type of: TSP

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

**Output Options Selected:

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs Tables of Overall Maximum Short Term Values (MAXTABLE Keyword)

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

**Misc. Inputs: Anem. Hgt. (m) = 3.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = (GRAMS/(SEC-M**2)) ; Emission Rate Unit Factor = 1.0000
Output Units = GRAMS/CUBIC-METER

**Approximate Storage Requirements of Model = 1.2 MB of RAM.

**Input Runstream File: MONTHLY.INP
**Output Print File: DEC.OUT
**Detailed Error/Message File: ERRORS.LST
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:42:54
**MODELOPTs: PAGE 2
CONC RURAL ELEV FLGPOL DFAULT

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (USER UNITS /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	EMISSION RATE SCALAR VARY BY
1	0	0.12000E-03	0.0	0.0	0.0	0.00	100.00	50.00	0.00	0.00	

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:42:54
**MODELOPTs: PAGE 3
CONC RURAL ELEV FLGPOL DFAULT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	1 ,

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:42:54
**MODELOPTs: PAGE 4
CONC RURAL ELEV FLGPOL DFAULT

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

```
( 100.0, 0.0, 920.0, 0.0); ( 200.0, 0.0, 940.0, 0.0);
( 300.0, 0.0, 950.0, 0.0); ( 400.0, 0.0, 945.0, 0.0);
( 500.0, 0.0, 945.0, 0.0); ( 600.0, 0.0, 940.0, 0.0);
( 700.0, 0.0, 940.0, 0.0); ( 800.0, 0.0, 935.0, 0.0);
( 900.0, 0.0, 930.0, 0.0); ( 1000.0, 0.0, 930.0, 0.0);
```


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

```
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
```

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

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

1.54, 3.09, 5.14, 8.23, 10.80,

*** WIND PROFILE EXPONENTS ***

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

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

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

CONC RURAL ELEV FLGPOL DFAULT

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

FILE: DEC.MET
FORMAT: (4I2,2F9.4,F6.1,I2,2F7.1,f9.4,f10.1,f8.4,i4,f7.2)
SURFACE STATION NO.: 99999 UPPER AIR STATION NO.: 99999
NAME: SURFNAME NAME: UAIRNAME
YEAR: 2010 YEAR: 2010

YR	MN	DY	HR	FLOW VECTOR	SPEED (M/S)	TEMP (K)	STAB CLASS	MIXING HEIGHT (M) RURAL	MIXING HEIGHT (M) URBAN	USTAR (M/S)	M-O LENGTH (M)	Z-0 (M)	IPCODE	PRATE (mm/HR)
08	12	09	01	99.7	2.04	249.6	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	12	09	02	78.6	1.86	250.4	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	12	09	03	92.7	2.97	250.4	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	12	09	04	95.5	2.41	250.4	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	12	09	05	80.0	2.97	251.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	12	09	06	101.1	2.41	251.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	12	09	07	103.9	3.71	251.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	12	09	08	101.1	1.86	251.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	12	09	09	94.1	2.23	251.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	12	09	10	109.5	1.86	252.0	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	12	09	11	101.1	2.78	252.0	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	12	09	12	89.9	2.97	252.8	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	12	09	13	96.9	2.60	252.8	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	12	09	14	67.4	0.93	252.8	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	12	09	15	73.0	1.48	252.8	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	12	09	16	54.8	1.48	252.8	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	12	09	17	50.5	1.48	252.8	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	12	09	18	84.2	1.11	254.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	12	09	19	328.5	1.48	253.5	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	12	09	20	73.0	0.93	254.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	12	09	21	106.7	0.19	254.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	12	09	22	14.0	3.34	254.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	12	09	23	290.6	2.78	254.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	12	09	24	92.7	1.86	255.0	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00

*** NOTES: STABILITY CLASS 1=A, 2=B, 3=C, 4=D, 5=E AND 6=F.
FLOW VECTOR IS DIRECTION TOWARD WHICH WIND IS BLOWING.

CONC RURAL ELEV FLGPOL DFAULT

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.01297	(08120921)	200.00	0.00	0.00222	(08120921)
300.00	0.00	0.00095	(08120924)	400.00	0.00	0.00073	(08120924)
500.00	0.00	0.00058	(08120924)	600.00	0.00	0.00045	(08120924)
700.00	0.00	0.00036	(08120924)	800.00	0.00	0.00028	(08120924)
900.00	0.00	0.00023	(08120924)	1000.00	0.00	0.00018	(08120924)

CONC RURAL ELEV FLGPOL DFAULT

*** THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00701	(08120910)	200.00	0.00	0.00163	(08120908)
300.00	0.00	0.00086	(08120909)	400.00	0.00	0.00064	(08120909)
500.00	0.00	0.00047	(08120909)	600.00	0.00	0.00033	(08120909)
700.00	0.00	0.00023	(08120909)	800.00	0.00	0.00018	(08120903)
900.00	0.00	0.00014	(08120903)	1000.00	0.00	0.00012	(08120903)

CONC RURAL ELEV FLGPOL DFAULT

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00308	(08120924)	200.00	0.00	0.00066	(08120924)
300.00	0.00	0.00028	(08120924)	400.00	0.00	0.00014	(08120924)
500.00	0.00	0.00009	(08120924)	600.00	0.00	0.00006	(08120924)
700.00	0.00	0.00005	(08120924)	800.00	0.00	0.00003	(08120924)
900.00	0.00	0.00003	(08120924)	1000.00	0.00	0.00002	(08120924)

CONC RURAL ELEV FLGPOL DFAULT

*** THE 2ND HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00000	(00000000)	200.00	0.00	0.00000	(00000000)
300.00	0.00	0.00000	(00000000)	400.00	0.00	0.00000	(00000000)
500.00	0.00	0.00000	(00000000)	600.00	0.00	0.00000	(00000000)
700.00	0.00	0.00000	(00000000)	800.00	0.00	0.00000	(00000000)
900.00	0.00	0.00000	(00000000)	1000.00	0.00	0.00000	(00000000)

CONC RURAL ELEV FLGPOL DFAULT

*** THE MAXIMUM 50 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

** CONC OF TSP IN GRAMS/CUBIC-METER **

RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)		OF TYPE
1.	0.01297	(08120921)	AT	(100.00,	0.00)	DC
2.	0.00701	(08120910)	AT	(100.00,	0.00)	DC
3.	0.00690	(08120908)	AT	(100.00,	0.00)	DC
4.	0.00629	(08120901)	AT	(100.00,	0.00)	DC
26.	0.00081	(08120904)	AT	(300.00,	0.00)	DC
27.	0.00081	(08120910)	AT	(200.00,	0.00)	DC
28.	0.00075	(08120907)	AT	(200.00,	0.00)	DC
29.	0.00075	(08120901)	AT	(300.00,	0.00)	DC

5.	0.00581 (08120924) AT (	100.00,	0.00)	DC	30.	0.00074 (08120913) AT (	300.00,	0.00)	DC
6.	0.00538 (08120909) AT (	100.00,	0.00)	DC	31.	0.00073 (08120924) AT (	400.00,	0.00)	DC
7.	0.00533 (08120906) AT (	100.00,	0.00)	DC	32.	0.00064 (08120909) AT (	400.00,	0.00)	DC
8.	0.00521 (08120904) AT (	100.00,	0.00)	DC	33.	0.00061 (08120908) AT (	300.00,	0.00)	DC
9.	0.00491 (08120913) AT (	100.00,	0.00)	DC	34.	0.00060 (08120903) AT (	300.00,	0.00)	DC
10.	0.00462 (08120911) AT (	100.00,	0.00)	DC	35.	0.00058 (08120924) AT (	500.00,	0.00)	DC
11.	0.00364 (08120903) AT (	100.00,	0.00)	DC	36.	0.00056 (08120904) AT (	400.00,	0.00)	DC
12.	0.00348 (08120907) AT (	100.00,	0.00)	DC	37.	0.00049 (08120912) AT (	200.00,	0.00)	DC
13.	0.00222 (08120921) AT (	200.00,	0.00)	DC	38.	0.00047 (08120906) AT (	300.00,	0.00)	DC
14.	0.00209 (08120912) AT (	100.00,	0.00)	DC	39.	0.00047 (08120909) AT (	500.00,	0.00)	DC
15.	0.00163 (08120908) AT (	200.00,	0.00)	DC	40.	0.00046 (08120903) AT (	400.00,	0.00)	DC
16.	0.00149 (08120901) AT (	200.00,	0.00)	DC	41.	0.00045 (08120924) AT (	600.00,	0.00)	DC
17.	0.00145 (08120924) AT (	200.00,	0.00)	DC	42.	0.00042 (08120913) AT (	400.00,	0.00)	DC
18.	0.00132 (08120909) AT (	200.00,	0.00)	DC	43.	0.00041 (08120911) AT (	300.00,	0.00)	DC
19.	0.00125 (08120906) AT (	200.00,	0.00)	DC	44.	0.00036 (08120903) AT (	500.00,	0.00)	DC
20.	0.00125 (08120904) AT (	200.00,	0.00)	DC	45.	0.00036 (08120924) AT (	700.00,	0.00)	DC
21.	0.00117 (08120913) AT (	200.00,	0.00)	DC	46.	0.00034 (08120904) AT (	500.00,	0.00)	DC
22.	0.00109 (08120911) AT (	200.00,	0.00)	DC	47.	0.00033 (08120909) AT (	600.00,	0.00)	DC
23.	0.00095 (08120924) AT (	300.00,	0.00)	DC	48.	0.00032 (08120912) AT (	300.00,	0.00)	DC
24.	0.00090 (08120903) AT (	200.00,	0.00)	DC	49.	0.00028 (08120903) AT (	600.00,	0.00)	DC
25.	0.00086 (08120909) AT (	300.00,	0.00)	DC	50.	0.00028 (08120924) AT (	800.00,	0.00)	DC

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

CONC RURAL ELEV FLGPOL DFAULT

*** THE MAXIMUM 50 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE

GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

** CONC OF TSP IN GRAMS/CUBIC-METER **

RANK	CONC	(YYMMDDHH) AT	RECEPTOR (XR,YR) OF TYPE	RANK	CONC	(YYMMDDHH) AT	RECEPTOR (XR,YR) OF TYPE
1.	0.00308	(08120924) AT	(100.00, 0.00) DC	26.	0.00000	(00000000) AT	(0.00, 0.00)
2.	0.00066	(08120924) AT	(200.00, 0.00) DC	27.	0.00000	(00000000) AT	(0.00, 0.00)
3.	0.00028	(08120924) AT	(300.00, 0.00) DC	28.	0.00000	(00000000) AT	(0.00, 0.00)
4.	0.00014	(08120924) AT	(400.00, 0.00) DC	29.	0.00000	(00000000) AT	(0.00, 0.00)
5.	0.00009	(08120924) AT	(500.00, 0.00) DC	30.	0.00000	(00000000) AT	(0.00, 0.00)
6.	0.00006	(08120924) AT	(600.00, 0.00) DC	31.	0.00000	(00000000) AT	(0.00, 0.00)
7.	0.00005	(08120924) AT	(700.00, 0.00) DC	32.	0.00000	(00000000) AT	(0.00, 0.00)
8.	0.00003	(08120924) AT	(800.00, 0.00) DC	33.	0.00000	(00000000) AT	(0.00, 0.00)
9.	0.00003	(08120924) AT	(900.00, 0.00) DC	34.	0.00000	(00000000) AT	(0.00, 0.00)
10.	0.00002	(08120924) AT	(1000.00, 0.00) DC	35.	0.00000	(00000000) AT	(0.00, 0.00)
11.	0.00000	(00000000) AT	(0.00, 0.00)	36.	0.00000	(00000000) AT	(0.00, 0.00)
12.	0.00000	(00000000) AT	(0.00, 0.00)	37.	0.00000	(00000000) AT	(0.00, 0.00)
13.	0.00000	(00000000) AT	(0.00, 0.00)	38.	0.00000	(00000000) AT	(0.00, 0.00)
14.	0.00000	(00000000) AT	(0.00, 0.00)	39.	0.00000	(00000000) AT	(0.00, 0.00)
15.	0.00000	(00000000) AT	(0.00, 0.00)	40.	0.00000	(00000000) AT	(0.00, 0.00)
16.	0.00000	(00000000) AT	(0.00, 0.00)	41.	0.00000	(00000000) AT	(0.00, 0.00)
17.	0.00000	(00000000) AT	(0.00, 0.00)	42.	0.00000	(00000000) AT	(0.00, 0.00)
18.	0.00000	(00000000) AT	(0.00, 0.00)	43.	0.00000	(00000000) AT	(0.00, 0.00)
19.	0.00000	(00000000) AT	(0.00, 0.00)	44.	0.00000	(00000000) AT	(0.00, 0.00)
20.	0.00000	(00000000) AT	(0.00, 0.00)	45.	0.00000	(00000000) AT	(0.00, 0.00)
21.	0.00000	(00000000) AT	(0.00, 0.00)	46.	0.00000	(00000000) AT	(0.00, 0.00)
22.	0.00000	(00000000) AT	(0.00, 0.00)	47.	0.00000	(00000000) AT	(0.00, 0.00)
23.	0.00000	(00000000) AT	(0.00, 0.00)	48.	0.00000	(00000000) AT	(0.00, 0.00)
24.	0.00000	(00000000) AT	(0.00, 0.00)	49.	0.00000	(00000000) AT	(0.00, 0.00)
25.	0.00000	(00000000) AT	(0.00, 0.00)	50.	0.00000	(00000000) AT	(0.00, 0.00)

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

CONC RURAL ELEV FLGPOL DFAULT

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

** CONC OF TSP IN GRAMS/CUBIC-METER **

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

ALL HIGH 1ST HIGH VALUE IS 0.01297 ON 08120921: AT (100.00, 0.00, 920.00, 0.00) DC
NA
HIGH 2ND HIGH VALUE IS 0.00701 ON 08120910: AT (100.00, 0.00, 920.00, 0.00) DC
NA

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:42:54
**MODELOPTs: PAGE 14
CONC RURAL ELEV FLGPOL DFAULT

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

** CONC OF TSP IN GRAMS/CUBIC-METER **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	NETWORK RECEPTOR (XR, YR, ZELEV, ZFLAG) OF TYPE GRID-ID
ALL	1ST HIGH VALUE IS 0.00308	ON 08120924	AT (100.00, 0.00, 920.00, 0.00) DC
	2ND HIGH VALUE IS 0.00000	ON 00000000	AT (0.00, 0.00, 0.00, 0.00)

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:42:54
**MODELOPTs: PAGE 15
CONC RURAL ELEV FLGPOL DFAULT

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

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

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

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

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

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

```
CO STARTING
CO TITLEONE RUN1
CO MODELOPT DFAULT CONC RURAL
CO AVERTIME  1 24
co terrhgts elev
co flagpole 0.0
CO POLLUTID TSP
CO DCAYCOEF      .00000000
CO RUNORNOT RUN
CO ERRORFIL ERRORS.LST
CO FINISHED


SO STARTING

**        SRCID  SRCTYP    XS      YS      ZS
**        ----- ------  -----   -----    -----
SO LOCATION    1    AREA     0.      0.     .0000

**        SRCID    QS      HS     XINIT   YINIT
**        -----  ----    ----   -----  -----
SO SRCPARAM     1   0.00022    0.0     100.     50.

SO EMISUNIT     1.0 (GRAMS/(SEC-M**2))          grams/cubic-meter

SO SRCGROUP ALL
SO FINISHED


RE STARTING
RE DISCCART    100.     0.  920.   0.0
RE DISCCART    200.     0.  940.   0.0
RE DISCCART    300.     0.  950.   0.0
RE DISCCART    400.     0.  945.   0.0
RE DISCCART    500.     0.  945.   0.0
RE DISCCART    600.     0.  940.   0.0
RE DISCCART    700.     0.  940.   0.0
RE DISCCART    800.     0.  935.   0.0
RE DISCCART    900.     0.  930.   0.0
RE DISCCART   1000.     0.  930.   0.0
RE FINISHED


ME STARTING
ME INPUTFIL  FEB.MET
ME ANEMHGHT     3.0 METERS
ME SURFDATA  99999   2010          SURFNAME
ME UAIRDATA  99999   2010          UAIRNAME
ME WINDCATS    1.54    3.09    5.14    8.23   10.80
ME FINISHED
```

OU STARTING
OU RECTABLE ALLAVE FIRST SECOND
OU MAXTABLE ALLAVE 50
OU FINISHED

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

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:44:04
**MODELOPTs: PAGE 1
CONC RURAL ELEV FLGPOL DFAULT

*** MODEL SETUP OPTIONS SUMMARY ***

**Intermediate Terrain Processing is Selected

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

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

**Model Uses RURAL Dispersion.

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

**Model Accepts Receptors on ELEV Terrain.

**Model Accepts FLAGPOLE Receptor Heights.

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

**This Run Includes: 1 Source(s); 1 Source Group(s); and 10 Receptor(s)

**The Model Assumes A Pollutant Type of: TSP

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

**Output Options Selected:

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs Tables of Overall Maximum Short Term Values (MAXTABLE Keyword)

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

**Misc. Inputs: Anem. Hgt. (m) = 3.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = (GRAMS/(SEC-M**2)) ; Emission Rate Unit Factor = 1.0000
Output Units = GRAMS/CUBIC-METER

**Approximate Storage Requirements of Model = 1.2 MB of RAM.

**Input Runstream File: MONTHLY.INP
**Output Print File: FEB.OUT
**Detailed Error/Message File: ERRORS.LST

*** AREA SOURCE DATA ***

NUMBER EMISSION RATE COORD (SW CORNER) BASE RELEASE X-DIM Y-DIM ORIENT. INIT. EMISSION RATE
SOURCE PART. (USER UNITS X Y ELEV. HEIGHT OF AREA OF AREA OF AREA SZ SCALAR VARY
ID CATS. /METER**2) (METERS) (METERS) (METERS) (METERS) (METERS) (METERS) (DEG.) (METERS) BY
- -

1 0 0.22000E-03 0.0 0.0 0.0 0.00 100.00 50.00 0.00 0.00

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID SOURCE IDs

ALL 1 ,

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

```
   (    100.0,       0.0,     920.0,       0.0);         (    200.0,       0.0,     940.0,       0.0);
   (    300.0,       0.0,     950.0,       0.0);         (    400.0,       0.0,     945.0,       0.0);
   (    500.0,       0.0,     945.0,       0.0);         (    600.0,       0.0,     940.0,       0.0);
   (    700.0,       0.0,     940.0,       0.0);         (    800.0,       0.0,     935.0,       0.0);
   (    900.0,       0.0,     930.0,       0.0);         (   1000.0,       0.0,     930.0,       0.0);
```


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

```
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
```

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

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

1.54,   3.09,   5.14,   8.23, 10.80,

*** WIND PROFILE EXPONENTS ***

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

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

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

CONC RURAL ELEV FLGPOL DFAULT

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

FILE: FEB.MET
FORMAT: (4I2,2F9.4,F6.1,I2,2F7.1,f9.4,f10.1,f8.4,i4,f7.2)
SURFACE STATION NO.: 99999 UPPER AIR STATION NO.: 99999
NAME: SURFNAME NAME: UAIRNAME
YEAR: 2010 YEAR: 2010

YR	MN	DY	HR	FLOW VECTOR	SPEED (M/S)	TEMP (K)	STAB CLASS	MIXING HEIGHT (M) RURAL	MIXING HEIGHT (M) URBAN	USTAR (M/S)	M-O LENGTH (M)	Z-0 (M)	IPCODE	PRATE (mm/HR)
10	02	16	01	112.3	4.08	266.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	02	16	02	117.9	5.20	266.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	02	16	03	77.2	2.78	265.7	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	02	16	04	94.1	2.78	265.7	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	02	16	05	92.7	3.34	265.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	02	16	06	77.2	2.97	265.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	02	16	07	70.2	2.04	265.7	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	02	16	08	84.2	1.86	265.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	02	16	09	99.7	2.41	265.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	02	16	10	75.8	3.90	265.7	5	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	02	16	11	101.1	3.15	265.7	5	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	02	16	12	87.0	3.71	265.7	5	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	02	16	13	96.9	2.97	266.2	5	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	02	16	14	96.9	3.71	267.2	5	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	02	16	15	112.3	5.20	267.2	5	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	02	16	16	123.5	6.86	267.2	5	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	02	16	17	129.2	6.49	266.7	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	02	16	18	77.2	3.15	265.7	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	02	16	19	103.9	5.01	265.6	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	02	16	20	113.7	5.20	266.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	02	16	21	126.4	7.24	266.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	02	16	22	134.8	7.79	267.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	02	16	23	139.0	6.31	267.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	02	16	24	146.0	5.38	267.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00

*** NOTES: STABILITY CLASS 1=A, 2=B, 3=C, 4=D, 5=E AND 6=F.
FLOW VECTOR IS DIRECTION TOWARD WHICH WIND IS BLOWING.

CONC RURAL ELEV FLGPOL DFAULT

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00976	(10021609)	200.00	0.00	0.00232	(10021609)
300.00	0.00	0.00127	(10021604)	400.00	0.00	0.00094	(10021604)
500.00	0.00	0.00069	(10021604)	600.00	0.00	0.00048	(10021604)
700.00	0.00	0.00036	(10021605)	800.00	0.00	0.00029	(10021605)
900.00	0.00	0.00023	(10021605)	1000.00	0.00	0.00019	(10021605)

CONC RURAL ELEV FLGPOL DFAULT

*** THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00792	(10021604)	200.00	0.00	0.00194	(10021604)
300.00	0.00	0.00116	(10021609)	400.00	0.00	0.00074	(10021605)
500.00	0.00	0.00059	(10021605)	600.00	0.00	0.00046	(10021605)
700.00	0.00	0.00033	(10021604)	800.00	0.00	0.00023	(10021604)
900.00	0.00	0.00017	(10021604)	1000.00	0.00	0.00013	(10021604)

CONC RURAL ELEV FLGPOL DFAULT

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00336	(10021624)	200.00	0.00	0.00046	(10021624)
300.00	0.00	0.00022	(10021624)	400.00	0.00	0.00012	(10021624)
500.00	0.00	0.00008	(10021624)	600.00	0.00	0.00005	(10021624)
700.00	0.00	0.00004	(10021624)	800.00	0.00	0.00003	(10021624)
900.00	0.00	0.00002	(10021624)	1000.00	0.00	0.00002	(10021624)

CONC RURAL ELEV FLGPOL DFAULT

*** THE 2ND HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00000	(00000000)	200.00	0.00	0.00000	(00000000)
300.00	0.00	0.00000	(00000000)	400.00	0.00	0.00000	(00000000)
500.00	0.00	0.00000	(00000000)	600.00	0.00	0.00000	(00000000)
700.00	0.00	0.00000	(00000000)	800.00	0.00	0.00000	(00000000)
900.00	0.00	0.00000	(00000000)	1000.00	0.00	0.00000	(00000000)

CONC RURAL ELEV FLGPOL DFAULT

*** THE MAXIMUM 50 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

** CONC OF TSP IN GRAMS/CUBIC-METER **

RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)	OF TYPE	RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)	OF TYPE
1.	0.00976	(10021609)	AT	(100.00, 0.00)	DC	26.	0.00099	(10021612)	AT	(100.00, 0.00)	DC
2.	0.00792	(10021604)	AT	(100.00, 0.00)	DC	27.	0.00097	(10021605)	AT	(300.00, 0.00)	DC
3.	0.00594	(10021605)	AT	(100.00, 0.00)	DC	28.	0.00097	(10021614)	AT	(200.00, 0.00)	DC
4.	0.00589	(10021601)	AT	(100.00, 0.00)	DC	29.	0.00094	(10021604)	AT	(400.00, 0.00)	DC

5.	0.00520 (10021613) AT (	100.00,	0.00)	DC	30.	0.00074 (10021605) AT (	400.00,	0.00)	DC		
6.	0.00512 (10021611) AT (	100.00,	0.00)	DC	31.	0.00071 (10021613) AT (	300.00,	0.00)	DC		
7.	0.00473 (10021619) AT (	100.00,	0.00)	DC	32.	0.00069 (10021604) AT (	500.00,	0.00)	DC		
8.	0.00463 (10021620) AT (	100.00,	0.00)	DC	33.	0.00059 (10021605) AT (	500.00,	0.00)	DC		
9.	0.00459 (10021602) AT (	100.00,	0.00)	DC	34.	0.00057 (10021614) AT (	300.00,	0.00)	DC		
10.	0.00416 (10021614) AT (	100.00,	0.00)	DC	35.	0.00048 (10021604) AT (	600.00,	0.00)	DC		
11.	0.00367 (10021624) AT (	100.00,	0.00)	DC	36.	0.00046 (10021605) AT (	600.00,	0.00)	DC		
12.	0.00335 (10021617) AT (	100.00,	0.00)	DC	37.	0.00042 (10021611) AT (	300.00,	0.00)	DC		
13.	0.00324 (10021623) AT (	100.00,	0.00)	DC	38.	0.00039 (10021601) AT (	200.00,	0.00)	DC		
14.	0.00316 (10021615) AT (	100.00,	0.00)	DC	39.	0.00039 (10021613) AT (	400.00,	0.00)	DC		
15.	0.00307 (10021621) AT (	100.00,	0.00)	DC	40.	0.00036 (10021605) AT (	700.00,	0.00)	DC		
16.	0.00269 (10021622) AT (	100.00,	0.00)	DC	41.	0.00033 (10021604) AT (	700.00,	0.00)	DC		
17.	0.00232 (10021609) AT (	200.00,	0.00)	DC	42.	0.00031 (10021614) AT (	400.00,	0.00)	DC		
18.	0.00228 (10021616) AT (	100.00,	0.00)	DC	43.	0.00029 (10021609) AT (	400.00,	0.00)	DC		
19.	0.00194 (10021604) AT (	200.00,	0.00)	DC	44.	0.00029 (10021605) AT (	800.00,	0.00)	DC		
20.	0.00148 (10021605) AT (	200.00,	0.00)	DC	45.	0.00023 (10021604) AT (	800.00,	0.00)	DC		
21.	0.00127 (10021604) AT (	300.00,	0.00)	DC	46.	0.00023 (10021605) AT (	900.00,	0.00)	DC		
22.	0.00121 (10021613) AT (	200.00,	0.00)	DC	47.	0.00021 (10021615) AT (	200.00,	0.00)	DC		
23.	0.00116 (10021609) AT (	300.00,	0.00)	DC	48.	0.00021 (10021613) AT (	500.00,	0.00)	DC		
24.	0.00113 (10021611) AT (	200.00,	0.00)	DC	49.	0.00021 (10021620) AT (	200.00,	0.00)	DC		
25.	0.00102 (10021619) AT (	200.00,	0.00)	DC	50.	0.00019 (10021608) AT (	100.00,	0.00)	DC		

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

CONC RURAL ELEV FLGPOL DFAULT

*** THE MAXIMUM 50 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE

GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

** CONC OF TSP IN GRAMS/CUBIC-METER **

RANK	CONC	(YYMMDDHH) AT	RECEPTOR (XR,YR) OF TYPE	RANK	CONC	(YYMMDDHH) AT	RECEPTOR (XR,YR) OF TYPE
1.	0.00336	(10021624) AT	(100.00, 0.00) DC	26.	0.00000	(00000000) AT	(0.00, 0.00)
2.	0.00046	(10021624) AT	(200.00, 0.00) DC	27.	0.00000	(00000000) AT	(0.00, 0.00)
3.	0.00022	(10021624) AT	(300.00, 0.00) DC	28.	0.00000	(00000000) AT	(0.00, 0.00)
4.	0.00012	(10021624) AT	(400.00, 0.00) DC	29.	0.00000	(00000000) AT	(0.00, 0.00)
5.	0.00008	(10021624) AT	(500.00, 0.00) DC	30.	0.00000	(00000000) AT	(0.00, 0.00)
6.	0.00005	(10021624) AT	(600.00, 0.00) DC	31.	0.00000	(00000000) AT	(0.00, 0.00)
7.	0.00004	(10021624) AT	(700.00, 0.00) DC	32.	0.00000	(00000000) AT	(0.00, 0.00)
8.	0.00003	(10021624) AT	(800.00, 0.00) DC	33.	0.00000	(00000000) AT	(0.00, 0.00)
9.	0.00002	(10021624) AT	(900.00, 0.00) DC	34.	0.00000	(00000000) AT	(0.00, 0.00)
10.	0.00002	(10021624) AT	(1000.00, 0.00) DC	35.	0.00000	(00000000) AT	(0.00, 0.00)
11.	0.00000	(00000000) AT	(0.00, 0.00)	36.	0.00000	(00000000) AT	(0.00, 0.00)
12.	0.00000	(00000000) AT	(0.00, 0.00)	37.	0.00000	(00000000) AT	(0.00, 0.00)
13.	0.00000	(00000000) AT	(0.00, 0.00)	38.	0.00000	(00000000) AT	(0.00, 0.00)
14.	0.00000	(00000000) AT	(0.00, 0.00)	39.	0.00000	(00000000) AT	(0.00, 0.00)
15.	0.00000	(00000000) AT	(0.00, 0.00)	40.	0.00000	(00000000) AT	(0.00, 0.00)
16.	0.00000	(00000000) AT	(0.00, 0.00)	41.	0.00000	(00000000) AT	(0.00, 0.00)
17.	0.00000	(00000000) AT	(0.00, 0.00)	42.	0.00000	(00000000) AT	(0.00, 0.00)
18.	0.00000	(00000000) AT	(0.00, 0.00)	43.	0.00000	(00000000) AT	(0.00, 0.00)
19.	0.00000	(00000000) AT	(0.00, 0.00)	44.	0.00000	(00000000) AT	(0.00, 0.00)
20.	0.00000	(00000000) AT	(0.00, 0.00)	45.	0.00000	(00000000) AT	(0.00, 0.00)
21.	0.00000	(00000000) AT	(0.00, 0.00)	46.	0.00000	(00000000) AT	(0.00, 0.00)
22.	0.00000	(00000000) AT	(0.00, 0.00)	47.	0.00000	(00000000) AT	(0.00, 0.00)
23.	0.00000	(00000000) AT	(0.00, 0.00)	48.	0.00000	(00000000) AT	(0.00, 0.00)
24.	0.00000	(00000000) AT	(0.00, 0.00)	49.	0.00000	(00000000) AT	(0.00, 0.00)
25.	0.00000	(00000000) AT	(0.00, 0.00)	50.	0.00000	(00000000) AT	(0.00, 0.00)

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

CONC RURAL ELEV FLGPOL DFAULT

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

** CONC OF TSP IN GRAMS/CUBIC-METER **

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

ALL HIGH 1ST HIGH VALUE IS 0.00976 ON 10021609: AT (100.00, 0.00, 920.00, 0.00) DC
NA
HIGH 2ND HIGH VALUE IS 0.00792 ON 10021604: AT (100.00, 0.00, 920.00, 0.00) DC
NA

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:44:04
**MODELOPTs: PAGE 14
CONC RURAL ELEV FLGPOL DFAULT

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

** CONC OF TSP IN GRAMS/CUBIC-METER **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	NETWORK RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE GRID-ID
ALL	1ST HIGH VALUE IS	0.00336	ON 10021624: AT (100.00, 0.00, 920.00, 0.00)	DC
	2ND HIGH VALUE IS	0.00000	ON 00000000: AT (0.00, 0.00, 0.00, 0.00)	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:44:04
**MODELOPTs: PAGE 15
CONC RURAL ELEV FLGPOL DFAULT

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

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

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

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

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

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

```
CO STARTING
CO TITLEONE RUN1
CO MODELOPT DFAULT CONC RURAL
CO AVERTIME  1 24
co terrhgts elev
co flagpole 0.0
CO POLLUTID TSP
CO DCAYCOEF      .00000000
CO RUNORNOT RUN
CO ERRORFIL ERRORS.LST
CO FINISHED


SO STARTING

**        SRCID  SRCTYP    XS      YS      ZS
**        ----- ------  -----   -----    -----
SO LOCATION    1    AREA     0.      0.     .0000

**        SRCID    QS      HS     XINIT   YINIT
**        -----  ----    ----   -----  -----
SO SRCPARAM     1   0.00016    0.0     100.     50.

SO EMISUNIT     1.0 (GRAMS/(SEC-M**2))          grams/cubic-meter

SO SRCGROUP ALL
SO FINISHED


RE STARTING
RE DISCCART    100.     0.  920.   0.0
RE DISCCART    200.     0.  940.   0.0
RE DISCCART    300.     0.  950.   0.0
RE DISCCART    400.     0.  945.   0.0
RE DISCCART    500.     0.  945.   0.0
RE DISCCART    600.     0.  940.   0.0
RE DISCCART    700.     0.  940.   0.0
RE DISCCART    800.     0.  935.   0.0
RE DISCCART    900.     0.  930.   0.0
RE DISCCART   1000.     0.  930.   0.0
RE FINISHED


ME STARTING
ME INPUTFIL  JAN.MET
ME ANEMHGHT     3.0 METERS
ME SURFDATA  99999   2010          SURFNAME
ME UAIRDATA  99999   2010          UAIRNAME
ME WINDCATS    1.54    3.09    5.14    8.23   10.80
ME FINISHED
```

OU STARTING
OU RECTABLE ALLAVE FIRST SECOND
OU MAXTABLE ALLAVE 50
OU FINISHED

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

*** ISCST3 - VERSION 02035 *** *** RUN1 *** *** 09/10/10
*** *** 09:46:59
**MODELOPTs: PAGE 1
CONC RURAL ELEV FLGPOL DFAULT

*** MODEL SETUP OPTIONS SUMMARY ***

**Intermediate Terrain Processing is Selected

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

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

**Model Uses RURAL Dispersion.

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

**Model Accepts Receptors on ELEV Terrain.

**Model Accepts FLAGPOLE Receptor Heights.

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

**This Run Includes: 1 Source(s); 1 Source Group(s); and 10 Receptor(s)

**The Model Assumes A Pollutant Type of: TSP

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

**Output Options Selected:

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs Tables of Overall Maximum Short Term Values (MAXTABLE Keyword)

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

**Misc. Inputs: Anem. Hgt. (m) = 3.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = (GRAMS/(SEC-M**2)) ; Emission Rate Unit Factor = 1.0000
Output Units = GRAMS/CUBIC-METER

**Approximate Storage Requirements of Model = 1.2 MB of RAM.

**Input Runstream File: MONTHLY.INP
**Output Print File: JAN.OUT
**Detailed Error/Message File: ERRORS.LST
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:46:59
**MODELOPTs: PAGE 2
CONC RURAL ELEV FLGPOL DFAULT

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (USER UNITS /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	EMISSION RATE SCALAR VARY BY
1	0	0.16000E-03	0.0	0.0	0.0	0.00	100.00	50.00	0.00	0.00	

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:46:59
**MODELOPTs: PAGE 3
CONC RURAL ELEV FLGPOL DFAULT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	1 ,

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:46:59
**MODELOPTs: PAGE 4
CONC RURAL ELEV FLGPOL DFAULT

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

(100.0, 0.0, 920.0, 0.0); (200.0, 0.0, 940.0, 0.0);
(300.0, 0.0, 950.0, 0.0); (400.0, 0.0, 945.0, 0.0);
(500.0, 0.0, 945.0, 0.0); (600.0, 0.0, 940.0, 0.0);
(700.0, 0.0, 940.0, 0.0); (800.0, 0.0, 935.0, 0.0);
(900.0, 0.0, 930.0, 0.0); (1000.0, 0.0, 930.0, 0.0);

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

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

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

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

1.54, 3.09, 5.14, 8.23, 10.80,

*** WIND PROFILE EXPONENTS ***

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

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

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

CONC RURAL ELEV FLGPOL DFAULT

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

FILE: JAN.MET
FORMAT: (4I2,2F9.4,F6.1,I2,2F7.1,f9.4,f10.1,f8.4,i4,f7.2)
SURFACE STATION NO.: 99999 UPPER AIR STATION NO.: 99999
NAME: SURFNAME NAME: UAIRNAME
YEAR: 2010 YEAR: 2010

YR	MN	DY	HR	FLOW VECTOR	SPEED (M/S)	TEMP (K)	STAB CLASS	MIXING HEIGHT (M) RURAL	MIXING HEIGHT (M) URBAN	USTAR (M/S)	M-O LENGTH (M)	Z-0 (M)	IPCODE	PRATE (mm/HR)
10	01	27	01	77.2	1.67	258.9	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	01	27	02	70.2	2.41	260.1	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	01	27	03	95.5	3.53	260.7	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	01	27	04	103.9	3.90	261.9	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	01	27	05	102.5	1.67	261.9	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	01	27	06	82.9	2.23	261.3	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	01	27	07	101.1	2.97	261.9	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	01	27	08	101.1	3.15	262.4	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	01	27	09	96.9	3.53	261.9	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	01	27	10	101.1	4.64	261.9	5	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	01	27	11	106.7	3.90	263.0	5	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	01	27	12	94.7	3.53	262.4	5	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	01	27	13	78.6	2.41	262.4	5	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	01	27	14	102.5	3.34	263.0	5	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	01	27	15	87.0	2.41	263.0	5	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	01	27	16	85.6	2.97	263.0	5	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	01	27	17	92.7	3.53	263.0	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	01	27	18	88.4	2.97	263.5	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	01	27	19	87.0	3.71	262.4	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	01	27	20	88.4	4.64	262.4	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	01	27	21	89.9	2.97	263.0	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	01	27	22	81.4	2.78	263.0	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	01	27	23	91.3	4.82	263.5	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	01	27	24	91.3	4.82	264.1	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00

*** NOTES: STABILITY CLASS 1=A, 2=B, 3=C, 4=D, 5=E AND 6=F.
FLOW VECTOR IS DIRECTION TOWARD WHICH WIND IS BLOWING.

CONC RURAL ELEV FLGPOL DFAULT

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.01029	(10012705)	200.00	0.00	0.00236	(10012705)
300.00	0.00	0.00074	(10012703)	400.00	0.00	0.00051	(10012717)
500.00	0.00	0.00040	(10012717)	600.00	0.00	0.00032	(10012717)
700.00	0.00	0.00025	(10012717)	800.00	0.00	0.00020	(10012717)
900.00	0.00	0.00016	(10012717)	1000.00	0.00	0.00014	(10012721)

CONC RURAL ELEV FLGPOL DFAULT

*** THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00576	(10012707)	200.00	0.00	0.00136	(10012707)
300.00	0.00	0.00073	(10012709)	400.00	0.00	0.00051	(10012703)
500.00	0.00	0.00031	(10012703)	600.00	0.00	0.00023	(10012721)
700.00	0.00	0.00020	(10012721)	800.00	0.00	0.00017	(10012721)
900.00	0.00	0.00015	(10012721)	1000.00	0.00	0.00013	(10012717)

CONC RURAL ELEV FLGPOL DFAULT

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00267	(10012724)	200.00	0.00	0.00061	(10012724)
300.00	0.00	0.00027	(10012724)	400.00	0.00	0.00014	(10012724)
500.00	0.00	0.00009	(10012724)	600.00	0.00	0.00007	(10012724)
700.00	0.00	0.00005	(10012724)	800.00	0.00	0.00004	(10012724)
900.00	0.00	0.00004	(10012724)	1000.00	0.00	0.00003	(10012724)

CONC RURAL ELEV FLGPOL DFAULT

*** THE 2ND HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00000	(00000000)	200.00	0.00	0.00000	(00000000)
300.00	0.00	0.00000	(00000000)	400.00	0.00	0.00000	(00000000)
500.00	0.00	0.00000	(00000000)	600.00	0.00	0.00000	(00000000)
700.00	0.00	0.00000	(00000000)	800.00	0.00	0.00000	(00000000)
900.00	0.00	0.00000	(00000000)	1000.00	0.00	0.00000	(00000000)

CONC RURAL ELEV FLGPOL DFAULT

*** THE MAXIMUM 50 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

** CONC OF TSP IN GRAMS/CUBIC-METER **

RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)		OF TYPE
1.	0.01029	(10012705)	AT	(100.00,	0.00)	DC
2.	0.00576	(10012707)	AT	(100.00,	0.00)	DC
3.	0.00544	(10012708)	AT	(100.00,	0.00)	DC
4.	0.00482	(10012709)	AT	(100.00,	0.00)	DC
26.	0.00074	(10012703)	AT	(300.00,	0.00)	DC
27.	0.00073	(10012709)	AT	(300.00,	0.00)	DC
28.	0.00069	(10012712)	AT	(200.00,	0.00)	DC
29.	0.00067	(10012717)	AT	(300.00,	0.00)	DC

5.	0.00474 (10012703) AT (	100.00,	0.00)	DC	30.	0.00066 (10012721) AT (	200.00,	0.00)	DC
6.	0.00442 (10012704) AT (	100.00,	0.00)	DC	31.	0.00060 (10012723) AT (	200.00,	0.00)	DC
7.	0.00408 (10012717) AT (	100.00,	0.00)	DC	32.	0.00060 (10012724) AT (	200.00,	0.00)	DC
8.	0.00353 (10012714) AT (	100.00,	0.00)	DC	33.	0.00060 (10012719) AT (	100.00,	0.00)	DC
9.	0.00304 (10012711) AT (	100.00,	0.00)	DC	34.	0.00057 (10012705) AT (	300.00,	0.00)	DC
10.	0.00292 (10012712) AT (	100.00,	0.00)	DC	35.	0.00056 (10012710) AT (	200.00,	0.00)	DC
11.	0.00279 (10012721) AT (	100.00,	0.00)	DC	36.	0.00054 (10012716) AT (	100.00,	0.00)	DC
12.	0.00253 (10012710) AT (	100.00,	0.00)	DC	37.	0.00051 (10012717) AT (	400.00,	0.00)	DC
13.	0.00243 (10012723) AT (	100.00,	0.00)	DC	38.	0.00051 (10012707) AT (	300.00,	0.00)	DC
14.	0.00243 (10012724) AT (	100.00,	0.00)	DC	39.	0.00051 (10012703) AT (	400.00,	0.00)	DC
15.	0.00236 (10012705) AT (	200.00,	0.00)	DC	40.	0.00049 (10012711) AT (	200.00,	0.00)	DC
16.	0.00157 (10012718) AT (	100.00,	0.00)	DC	41.	0.00048 (10012708) AT (	300.00,	0.00)	DC
17.	0.00136 (10012707) AT (	200.00,	0.00)	DC	42.	0.00044 (10012712) AT (	300.00,	0.00)	DC
18.	0.00128 (10012708) AT (	200.00,	0.00)	DC	43.	0.00043 (10012721) AT (	300.00,	0.00)	DC
19.	0.00115 (10012709) AT (	200.00,	0.00)	DC	44.	0.00041 (10012709) AT (	400.00,	0.00)	DC
20.	0.00114 (10012703) AT (	200.00,	0.00)	DC	45.	0.00040 (10012717) AT (	500.00,	0.00)	DC
21.	0.00110 (10012715) AT (	100.00,	0.00)	DC	46.	0.00040 (10012723) AT (	300.00,	0.00)	DC
22.	0.00102 (10012717) AT (	200.00,	0.00)	DC	47.	0.00040 (10012724) AT (	300.00,	0.00)	DC
23.	0.00101 (10012720) AT (	100.00,	0.00)	DC	48.	0.00033 (10012718) AT (	200.00,	0.00)	DC
24.	0.00096 (10012704) AT (	200.00,	0.00)	DC	49.	0.00033 (10012721) AT (	400.00,	0.00)	DC
25.	0.00074 (10012714) AT (	200.00,	0.00)	DC	50.	0.00032 (10012717) AT (	600.00,	0.00)	DC

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

CONC RURAL ELEV FLGPOL DFAULT

*** THE MAXIMUM 50 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE

GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

** CONC OF TSP IN GRAMS/CUBIC-METER **

RANK	CONC	(YYMMDDHH) AT	RECEPTOR (XR,YR) OF TYPE	RANK	CONC	(YYMMDDHH) AT	RECEPTOR (XR,YR) OF TYPE
1.	0.00267	(10012724) AT	(100.00, 0.00) DC	26.	0.00000	(00000000) AT	(0.00, 0.00)
2.	0.00061	(10012724) AT	(200.00, 0.00) DC	27.	0.00000	(00000000) AT	(0.00, 0.00)
3.	0.00027	(10012724) AT	(300.00, 0.00) DC	28.	0.00000	(00000000) AT	(0.00, 0.00)
4.	0.00014	(10012724) AT	(400.00, 0.00) DC	29.	0.00000	(00000000) AT	(0.00, 0.00)
5.	0.00009	(10012724) AT	(500.00, 0.00) DC	30.	0.00000	(00000000) AT	(0.00, 0.00)
6.	0.00007	(10012724) AT	(600.00, 0.00) DC	31.	0.00000	(00000000) AT	(0.00, 0.00)
7.	0.00005	(10012724) AT	(700.00, 0.00) DC	32.	0.00000	(00000000) AT	(0.00, 0.00)
8.	0.00004	(10012724) AT	(800.00, 0.00) DC	33.	0.00000	(00000000) AT	(0.00, 0.00)
9.	0.00004	(10012724) AT	(900.00, 0.00) DC	34.	0.00000	(00000000) AT	(0.00, 0.00)
10.	0.00003	(10012724) AT	(1000.00, 0.00) DC	35.	0.00000	(00000000) AT	(0.00, 0.00)
11.	0.00000	(00000000) AT	(0.00, 0.00)	36.	0.00000	(00000000) AT	(0.00, 0.00)
12.	0.00000	(00000000) AT	(0.00, 0.00)	37.	0.00000	(00000000) AT	(0.00, 0.00)
13.	0.00000	(00000000) AT	(0.00, 0.00)	38.	0.00000	(00000000) AT	(0.00, 0.00)
14.	0.00000	(00000000) AT	(0.00, 0.00)	39.	0.00000	(00000000) AT	(0.00, 0.00)
15.	0.00000	(00000000) AT	(0.00, 0.00)	40.	0.00000	(00000000) AT	(0.00, 0.00)
16.	0.00000	(00000000) AT	(0.00, 0.00)	41.	0.00000	(00000000) AT	(0.00, 0.00)
17.	0.00000	(00000000) AT	(0.00, 0.00)	42.	0.00000	(00000000) AT	(0.00, 0.00)
18.	0.00000	(00000000) AT	(0.00, 0.00)	43.	0.00000	(00000000) AT	(0.00, 0.00)
19.	0.00000	(00000000) AT	(0.00, 0.00)	44.	0.00000	(00000000) AT	(0.00, 0.00)
20.	0.00000	(00000000) AT	(0.00, 0.00)	45.	0.00000	(00000000) AT	(0.00, 0.00)
21.	0.00000	(00000000) AT	(0.00, 0.00)	46.	0.00000	(00000000) AT	(0.00, 0.00)
22.	0.00000	(00000000) AT	(0.00, 0.00)	47.	0.00000	(00000000) AT	(0.00, 0.00)
23.	0.00000	(00000000) AT	(0.00, 0.00)	48.	0.00000	(00000000) AT	(0.00, 0.00)
24.	0.00000	(00000000) AT	(0.00, 0.00)	49.	0.00000	(00000000) AT	(0.00, 0.00)
25.	0.00000	(00000000) AT	(0.00, 0.00)	50.	0.00000	(00000000) AT	(0.00, 0.00)

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

CONC RURAL ELEV FLGPOL DFAULT

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

** CONC OF TSP IN GRAMS/CUBIC-METER **

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

ALL HIGH 1ST HIGH VALUE IS 0.01029 ON 10012705: AT (100.00, 0.00, 920.00, 0.00) DC
NA
HIGH 2ND HIGH VALUE IS 0.00576 ON 10012707: AT (100.00, 0.00, 920.00, 0.00) DC
NA

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:46:59
**MODELOPTs: PAGE 14
CONC RURAL ELEV FLGPOL DFAULT

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

** CONC OF TSP IN GRAMS/CUBIC-METER **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	NETWORK RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE GRID-ID
ALL	1ST HIGH VALUE IS	0.00267	ON 10012724: AT (100.00, 0.00, 920.00, 0.00)	DC
	2ND HIGH VALUE IS	0.00000	ON 00000000: AT (0.00, 0.00, 0.00, 0.00)	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:46:59
**MODELOPTs: PAGE 15
CONC RURAL ELEV FLGPOL DFAULT

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

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

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

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

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

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

```
CO STARTING
CO TITLEONE RUN1
CO MODELOPT DFAULT CONC RURAL
CO AVERTIME  1 24
co terrhgts elev
co flagpole 0.0
CO POLLUTID TSP
CO DCAYCOEF      .00000000
CO RUNORNOT RUN
CO ERRORFIL ERRORS.LST
CO FINISHED


SO STARTING

**        SRCID  SRCTYP    XS      YS      ZS
**        ----- ------  -----   -----    -----
SO LOCATION    1    AREA     0.      0.     .0000

**        SRCID    QS      HS     XINIT   YINIT
**        -----  ----    ----    -----  -----
SO SRCPARAM     1   0.00014    0.0     100.     50.

SO EMISUNIT     1.0 (GRAMS/(SEC-M**2))           grams/cubic-meter

SO SRCGROUP ALL
SO FINISHED


RE STARTING
RE DISCCART    100.     0.  920.   0.0
RE DISCCART    200.     0.  940.   0.0
RE DISCCART    300.     0.  950.   0.0
RE DISCCART    400.     0.  945.   0.0
RE DISCCART    500.     0.  945.   0.0
RE DISCCART    600.     0.  940.   0.0
RE DISCCART    700.     0.  940.   0.0
RE DISCCART    800.     0.  935.   0.0
RE DISCCART    900.     0.  930.   0.0
RE DISCCART   1000.     0.  930.   0.0
RE FINISHED


ME STARTING
ME INPUTFIL  JUL.MET
ME ANEMHGHT     3.0 METERS
ME SURFDATA  99999   2010          SURFNAME
ME UAIRDATA  99999   2010          UAIRNAME
ME WINDCATS    1.54    3.09    5.14    8.23   10.80
ME FINISHED
```

OU STARTING
OU RECTABLE ALLAVE FIRST SECOND
OU MAXTABLE ALLAVE 50
OU FINISHED

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

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:47:29
**MODELOPTs: PAGE 1
CONC RURAL ELEV FLGPOL DFAULT

*** MODEL SETUP OPTIONS SUMMARY ***

**Intermediate Terrain Processing is Selected

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

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

**Model Uses RURAL Dispersion.

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

**Model Accepts Receptors on ELEV Terrain.

**Model Accepts FLAGPOLE Receptor Heights.

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

**This Run Includes: 1 Source(s); 1 Source Group(s); and 10 Receptor(s)

**The Model Assumes A Pollutant Type of: TSP

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

**Output Options Selected:

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs Tables of Overall Maximum Short Term Values (MAXTABLE Keyword)

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

**Misc. Inputs: Anem. Hgt. (m) = 3.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = (GRAMS/(SEC-M**2)) ; Emission Rate Unit Factor = 1.0000
Output Units = GRAMS/CUBIC-METER

**Approximate Storage Requirements of Model = 1.2 MB of RAM.

**Input Runstream File: MONTHLY.INP
**Output Print File: JUL.OUT
**Detailed Error/Message File: ERRORS.LST
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:47:29
**MODELOPTs: PAGE 2
CONC RURAL ELEV FLGPOL DFAULT

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (USER UNITS /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	EMISSION RATE SCALAR VARY BY
1	0	0.14000E-03	0.0	0.0	0.0	0.00	100.00	50.00	0.00	0.00	

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:47:29
**MODELOPTs: PAGE 3
CONC RURAL ELEV FLGPOL DFAULT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	1 ,

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:47:29
**MODELOPTs: PAGE 4
CONC RURAL ELEV FLGPOL DFAULT

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

```
   (   100.0,      0.0,    920.0,      0.0);        (   200.0,      0.0,    940.0,      0.0);
   (   300.0,      0.0,    950.0,      0.0);        (   400.0,      0.0,    945.0,      0.0);
   (   500.0,      0.0,    945.0,      0.0);        (   600.0,      0.0,    940.0,      0.0);
   (   700.0,      0.0,    940.0,      0.0);        (   800.0,      0.0,    935.0,      0.0);
   (   900.0,      0.0,    930.0,      0.0);        (  1000.0,      0.0,    930.0,      0.0);
```


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

```
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
```

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

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

1.54,   3.09,   5.14,   8.23, 10.80,

*** WIND PROFILE EXPONENTS ***

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

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

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

CONC RURAL ELEV FLGPOL DFAULT

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

FILE: JUL.MET
FORMAT: (4I2,2F9.4,F6.1,I2,2F7.1,f9.4,f10.1,f8.4,i4,f7.2)
SURFACE STATION NO.: 99999 UPPER AIR STATION NO.: 99999
NAME: SURFNAME NAME: UAIRNAME
YEAR: 2010 YEAR: 2010

YR	MN	DY	HR	FLOW VECTOR	SPEED (M/S)	TEMP (K)	STAB CLASS	MIXING HEIGHT (M) RURAL	MIXING HEIGHT (M) URBAN	USTAR (M/S)	M-O LENGTH (M)	Z-0 (M)	IPCODE	PRATE (mm/HR)
07	07	02	01	56.2	2.23	283.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
07	07	02	02	59.0	1.11	283.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
07	07	02	03	64.6	2.04	283.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
07	07	02	04	75.8	2.97	283.6	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
07	07	02	05	81.4	3.34	284.0	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
07	07	02	06	71.6	2.60	283.6	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
07	07	02	07	57.6	2.23	283.2	5	1514.0	1514.0	0.0000	0.0	0.0000	0	0.00
07	07	02	08	57.6	3.53	284.4	5	1537.0	1537.0	0.0000	0.0	0.0000	0	0.00
07	07	02	09	77.2	2.97	285.6	5	1577.0	1577.0	0.0000	0.0	0.0000	0	0.00
07	07	02	10	94.1	2.41	284.8	5	1629.0	1629.0	0.0000	0.0	0.0000	0	0.00
07	07	02	11	98.3	3.53	285.2	4	1692.0	1692.0	0.0000	0.0	0.0000	0	0.00
07	07	02	12	105.3	3.71	285.6	4	1759.0	1759.0	0.0000	0.0	0.0000	0	0.00
07	07	02	13	66.0	2.78	288.2	4	1828.0	1828.0	0.0000	0.0	0.0000	0	0.00
07	07	02	14	30.9	3.34	287.5	4	1895.0	1895.0	0.0000	0.0	0.0000	0	0.00
07	07	02	15	80.0	2.78	290.5	4	1956.0	1956.0	0.0000	0.0	0.0000	0	0.00
07	07	02	16	73.0	2.97	289.4	4	2010.0	2010.0	0.0000	0.0	0.0000	0	0.00
07	07	02	17	112.3	3.15	290.1	5	2053.0	2053.0	0.0000	0.0	0.0000	0	0.00
07	07	02	18	40.7	2.78	289.8	5	2085.0	2085.0	0.0000	0.0	0.0000	0	0.00
07	07	02	19	66.0	2.78	289.4	5	2104.0	2104.0	0.0000	0.0	0.0000	0	0.00
07	07	02	20	141.8	4.64	286.3	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
07	07	02	21	141.8	3.53	285.0	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
07	07	02	22	75.8	2.78	288.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
07	07	02	23	82.8	2.97	287.1	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
07	07	02	24	96.9	2.04	286.3	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00

*** NOTES: STABILITY CLASS 1=A, 2=B, 3=C, 4=D, 5=E AND 6=F.
FLOW VECTOR IS DIRECTION TOWARD WHICH WIND IS BLOWING.

CONC RURAL ELEV FLGPOL DFAULT

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00729	(07070224)	200.00	0.00	0.00174	(07070224)
300.00	0.00	0.00110	(07070224)	400.00	0.00	0.00063	(07070224)
500.00	0.00	0.00029	(07070224)	600.00	0.00	0.00019	(07070210)
700.00	0.00	0.00013	(07070210)	800.00	0.00	0.00010	(07070210)
900.00	0.00	0.00008	(07070210)	1000.00	0.00	0.00006	(07070210)

CONC RURAL ELEV FLGPOL DFAULT

*** THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00363	(07070221)	200.00	0.00	0.00086	(07070210)
300.00	0.00	0.00055	(07070210)	400.00	0.00	0.00038	(07070210)
500.00	0.00	0.00026	(07070210)	600.00	0.00	0.00013	(07070224)
700.00	0.00	0.00006	(07070224)	800.00	0.00	0.00003	(07070224)
900.00	0.00	0.00002	(07070224)	1000.00	0.00	0.00001	(07070224)

CONC RURAL ELEV FLGPOL DFAULT

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00105	(07070224)	200.00	0.00	0.00015	(07070224)
300.00	0.00	0.00008	(07070224)	400.00	0.00	0.00005	(07070224)
500.00	0.00	0.00003	(07070224)	600.00	0.00	0.00001	(07070224)
700.00	0.00	0.00001	(07070224)	800.00	0.00	0.00001	(07070224)
900.00	0.00	0.00000	(07070224)	1000.00	0.00	0.00000	(07070224)

CONC RURAL ELEV FLGPOL DFAULT

*** THE 2ND HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00000	(00000000)	200.00	0.00	0.00000	(00000000)
300.00	0.00	0.00000	(00000000)	400.00	0.00	0.00000	(00000000)
500.00	0.00	0.00000	(00000000)	600.00	0.00	0.00000	(00000000)
700.00	0.00	0.00000	(00000000)	800.00	0.00	0.00000	(00000000)
900.00	0.00	0.00000	(00000000)	1000.00	0.00	0.00000	(00000000)

CONC RURAL ELEV FLGPOL DFAULT

*** THE MAXIMUM 50 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

** CONC OF TSP IN GRAMS/CUBIC-METER **

RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)		OF TYPE
1.	0.00729	(07070224)	AT	(100.00,	0.00)	DC
2.	0.00363	(07070221)	AT	(100.00,	0.00)	DC
3.	0.00360	(07070210)	AT	(100.00,	0.00)	DC
4.	0.00332	(07070217)	AT	(100.00,	0.00)	DC
26.	0.00008	(07070210)	AT	(900.00,	0.00)	DC
27.	0.00006	(07070212)	AT	(300.00,	0.00)	DC
28.	0.00006	(07070210)	AT	(1000.00,	0.00)	DC
29.	0.00006	(07070224)	AT	(700.00,	0.00)	DC

5.	0.00276 (07070220) AT (	100.00,	0.00)	DC	30.	0.00006 (07070211) AT (	500.00,	0.00)	DC		
6.	0.00226 (07070212) AT (	100.00,	0.00)	DC	31.	0.00003 (07070211) AT (	600.00,	0.00)	DC		
7.	0.00222 (07070211) AT (	100.00,	0.00)	DC	32.	0.00003 (07070224) AT (	800.00,	0.00)	DC		
8.	0.00174 (07070224) AT (	200.00,	0.00)	DC	33.	0.00002 (07070211) AT (	700.00,	0.00)	DC		
9.	0.00110 (07070224) AT (	300.00,	0.00)	DC	34.	0.00002 (07070223) AT (	100.00,	0.00)	DC		
10.	0.00086 (07070210) AT (	200.00,	0.00)	DC	35.	0.00002 (07070224) AT (	900.00,	0.00)	DC		
11.	0.00063 (07070224) AT (	400.00,	0.00)	DC	36.	0.00001 (07070211) AT (	800.00,	0.00)	DC		
12.	0.00055 (07070210) AT (	300.00,	0.00)	DC	37.	0.00001 (07070212) AT (	400.00,	0.00)	DC		
13.	0.00047 (07070211) AT (	200.00,	0.00)	DC	38.	0.00001 (07070211) AT (	900.00,	0.00)	DC		
14.	0.00038 (07070210) AT (	400.00,	0.00)	DC	39.	0.00001 (07070224) AT (	1000.00,	0.00)	DC		
15.	0.00036 (07070212) AT (	200.00,	0.00)	DC	40.	0.00001 (07070215) AT (	200.00,	0.00)	DC		
16.	0.00029 (07070224) AT (	500.00,	0.00)	DC	41.	0.00001 (07070211) AT (	1000.00,	0.00)	DC		
17.	0.00026 (07070210) AT (	500.00,	0.00)	DC	42.	0.00000 (07070215) AT (	300.00,	0.00)	DC		
18.	0.00023 (07070211) AT (	300.00,	0.00)	DC	43.	0.00000 (07070205) AT (	100.00,	0.00)	DC		
19.	0.00022 (07070217) AT (	200.00,	0.00)	DC	44.	0.00000 (07070212) AT (	500.00,	0.00)	DC		
20.	0.00019 (07070210) AT (	600.00,	0.00)	DC	45.	0.00000 (07070209) AT (	100.00,	0.00)	DC		
21.	0.00013 (07070210) AT (	700.00,	0.00)	DC	46.	0.00000 (07070215) AT (	400.00,	0.00)	DC		
22.	0.00013 (07070224) AT (	600.00,	0.00)	DC	47.	0.00000 (07070216) AT (	100.00,	0.00)	DC		
23.	0.00011 (07070211) AT (	400.00,	0.00)	DC	48.	0.00000 (07070215) AT (	500.00,	0.00)	DC		
24.	0.00010 (07070210) AT (	800.00,	0.00)	DC	49.	0.00000 (07070215) AT (	600.00,	0.00)	DC		
25.	0.00010 (07070215) AT (	100.00,	0.00)	DC	50.	0.00000 (07070215) AT (	700.00,	0.00)	DC		

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

CONC RURAL ELEV FLGPOL DFAULT

*** THE MAXIMUM 50 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE

GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

** CONC OF TSP IN GRAMS/CUBIC-METER **

RANK	CONC	(YYMMDDHH) AT	RECEPTOR (XR,YR) OF TYPE	RANK	CONC	(YYMMDDHH) AT	RECEPTOR (XR,YR) OF TYPE
1.	0.00105	(07070224) AT	(100.00, 0.00) DC	26.	0.00000	(00000000) AT	(0.00, 0.00)
2.	0.00015	(07070224) AT	(200.00, 0.00) DC	27.	0.00000	(00000000) AT	(0.00, 0.00)
3.	0.00008	(07070224) AT	(300.00, 0.00) DC	28.	0.00000	(00000000) AT	(0.00, 0.00)
4.	0.00005	(07070224) AT	(400.00, 0.00) DC	29.	0.00000	(00000000) AT	(0.00, 0.00)
5.	0.00003	(07070224) AT	(500.00, 0.00) DC	30.	0.00000	(00000000) AT	(0.00, 0.00)
6.	0.00001	(07070224) AT	(600.00, 0.00) DC	31.	0.00000	(00000000) AT	(0.00, 0.00)
7.	0.00001	(07070224) AT	(700.00, 0.00) DC	32.	0.00000	(00000000) AT	(0.00, 0.00)
8.	0.00001	(07070224) AT	(800.00, 0.00) DC	33.	0.00000	(00000000) AT	(0.00, 0.00)
9.	0.00000	(07070224) AT	(900.00, 0.00) DC	34.	0.00000	(00000000) AT	(0.00, 0.00)
10.	0.00000	(07070224) AT	(1000.00, 0.00) DC	35.	0.00000	(00000000) AT	(0.00, 0.00)
11.	0.00000	(00000000) AT	(0.00, 0.00)	36.	0.00000	(00000000) AT	(0.00, 0.00)
12.	0.00000	(00000000) AT	(0.00, 0.00)	37.	0.00000	(00000000) AT	(0.00, 0.00)
13.	0.00000	(00000000) AT	(0.00, 0.00)	38.	0.00000	(00000000) AT	(0.00, 0.00)
14.	0.00000	(00000000) AT	(0.00, 0.00)	39.	0.00000	(00000000) AT	(0.00, 0.00)
15.	0.00000	(00000000) AT	(0.00, 0.00)	40.	0.00000	(00000000) AT	(0.00, 0.00)
16.	0.00000	(00000000) AT	(0.00, 0.00)	41.	0.00000	(00000000) AT	(0.00, 0.00)
17.	0.00000	(00000000) AT	(0.00, 0.00)	42.	0.00000	(00000000) AT	(0.00, 0.00)
18.	0.00000	(00000000) AT	(0.00, 0.00)	43.	0.00000	(00000000) AT	(0.00, 0.00)
19.	0.00000	(00000000) AT	(0.00, 0.00)	44.	0.00000	(00000000) AT	(0.00, 0.00)
20.	0.00000	(00000000) AT	(0.00, 0.00)	45.	0.00000	(00000000) AT	(0.00, 0.00)
21.	0.00000	(00000000) AT	(0.00, 0.00)	46.	0.00000	(00000000) AT	(0.00, 0.00)
22.	0.00000	(00000000) AT	(0.00, 0.00)	47.	0.00000	(00000000) AT	(0.00, 0.00)
23.	0.00000	(00000000) AT	(0.00, 0.00)	48.	0.00000	(00000000) AT	(0.00, 0.00)
24.	0.00000	(00000000) AT	(0.00, 0.00)	49.	0.00000	(00000000) AT	(0.00, 0.00)
25.	0.00000	(00000000) AT	(0.00, 0.00)	50.	0.00000	(00000000) AT	(0.00, 0.00)

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

CONC RURAL ELEV FLGPOL DFAULT

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

** CONC OF TSP IN GRAMS/CUBIC-METER **

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

ALL HIGH 1ST HIGH VALUE IS 0.00729 ON 07070224: AT (100.00, 0.00, 920.00, 0.00) DC
NA
HIGH 2ND HIGH VALUE IS 0.00363 ON 07070221: AT (100.00, 0.00, 920.00, 0.00) DC
NA

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:47:29
**MODELOPTs: PAGE 14
CONC RURAL ELEV FLGPOL DFAULT

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

** CONC OF TSP IN GRAMS/CUBIC-METER **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	NETWORK RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE GRID-ID
ALL	1ST HIGH VALUE IS	0.00105	ON 07070224: AT (100.00, 0.00, 920.00, 0.00)	DC
	2ND HIGH VALUE IS	0.00000	ON 00000000: AT (0.00, 0.00, 0.00, 0.00)	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:47:29
**MODELOPTs: PAGE 15
CONC RURAL ELEV FLGPOL DFAULT

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

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

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

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

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

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

```
CO STARTING
CO TITLEONE RUN1
CO MODELOPT DFAULT CONC RURAL
CO AVERTIME  1 24
co terrhgts elev
co flagpole 0.0
CO POLLUTID TSP
CO DCAYCOEF      .00000000
CO RUNORNOT RUN
CO ERRORFIL ERRORS.LST
CO FINISHED


SO STARTING

**        SRCID  SRCTYP    XS      YS      ZS
**        ----- ------  -----   -----    -----
SO LOCATION    1    AREA     0.      0.     .0000

**        SRCID    QS      HS     XINIT   YINIT
**        -----  ----    ----   -----  -----
SO SRCPARAM     1   0.00008    0.0     100.     50.

SO EMISUNIT     1.0 (GRAMS/(SEC-M**2))          grams/cubic-meter

SO SRCGROUP ALL
SO FINISHED


RE STARTING
RE DISCCART    100.     0.  920.   0.0
RE DISCCART    200.     0.  940.   0.0
RE DISCCART    300.     0.  950.   0.0
RE DISCCART    400.     0.  945.   0.0
RE DISCCART    500.     0.  945.   0.0
RE DISCCART    600.     0.  940.   0.0
RE DISCCART    700.     0.  940.   0.0
RE DISCCART    800.     0.  935.   0.0
RE DISCCART    900.     0.  930.   0.0
RE DISCCART   1000.     0.  930.   0.0
RE FINISHED


ME STARTING
ME INPUTFIL  JUN.MET
ME ANEMHGHT     3.0 METERS
ME SURFDATA  99999   2010          SURFNAME
ME UAIRDATA  99999   2010          UAIRNAME
ME WINDCATS    1.54    3.09    5.14    8.23   10.80
ME FINISHED
```

OU STARTING
OU RECTABLE ALLAVE FIRST SECOND
OU MAXTABLE ALLAVE 50
OU FINISHED

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

*** ISCST3 - VERSION 02035 *** *** RUN1 *** *** 09/10/10
*** *** 09:48:18
**MODELOPTs: PAGE 1
CONC RURAL ELEV FLGPOL DFAULT

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

**Intermediate Terrain Processing is Selected

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

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

**Model Uses RURAL Dispersion.

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

**Model Accepts Receptors on ELEV Terrain.

**Model Accepts FLAGPOLE Receptor Heights.

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

**This Run Includes: 1 Source(s); 1 Source Group(s); and 10 Receptor(s)

**The Model Assumes A Pollutant Type of: TSP

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

**Output Options Selected:

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs Tables of Overall Maximum Short Term Values (MAXTABLE Keyword)

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

**Misc. Inputs: Anem. Hgt. (m) = 3.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = (GRAMS/(SEC-M**2)) ; Emission Rate Unit Factor = 1.0000
Output Units = GRAMS/CUBIC-METER

**Approximate Storage Requirements of Model = 1.2 MB of RAM.

**Input Runstream File: MONTHLY.INP
**Output Print File: JUN.OUT
**Detailed Error/Message File: ERRORS.LST
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:48:18
**MODELOPTs: PAGE 2
CONC RURAL ELEV FLGPOL DFAULT

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (USER UNITS /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	EMISSION RATE SCALAR VARY BY
1	0	0.80000E-04	0.0	0.0	0.0	0.00	100.00	50.00	0.00	0.00	

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:48:18
**MODELOPTs: PAGE 3
CONC RURAL ELEV FLGPOL DFAULT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	1 ,

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:48:18
**MODELOPTs: PAGE 4
CONC RURAL ELEV FLGPOL DFAULT

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

(100.0, 0.0, 920.0, 0.0); (200.0, 0.0, 940.0, 0.0);
(300.0, 0.0, 950.0, 0.0); (400.0, 0.0, 945.0, 0.0);
(500.0, 0.0, 945.0, 0.0); (600.0, 0.0, 940.0, 0.0);
(700.0, 0.0, 940.0, 0.0); (800.0, 0.0, 935.0, 0.0);
(900.0, 0.0, 930.0, 0.0); (1000.0, 0.0, 930.0, 0.0);

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

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

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

1.54, 3.09, 5.14, 8.23, 10.80,

*** WIND PROFILE EXPONENTS ***

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

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

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

CONC RURAL ELEV FLGPOL DFAULT

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

FILE: JUN.MET
FORMAT: (4I2,2F9.4,F6.1,I2,2F7.1,f9.4,f10.1,f8.4,i4,f7.2)
SURFACE STATION NO.: 99999 UPPER AIR STATION NO.: 99999
NAME: SURFNAME NAME: UAIRNAME
YEAR: 2010 YEAR: 2010

YR	MN	DY	HR	FLOW VECTOR	SPEED (M/S)	TEMP (K)	STAB CLASS	MIXING HEIGHT (M) RURAL	MIXING HEIGHT (M) URBAN	USTAR (M/S)	M-O LENGTH (M)	Z-0 (M)	IPCODE	PRATE (mm/HR)
09	06	21	01	150.2	1.67	280.8	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09	06	21	02	151.6	1.30	281.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09	06	21	03	146.0	0.56	281.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09	06	21	04	150.2	0.74	281.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09	06	21	05	102.5	1.30	281.6	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09	06	21	06	89.9	1.30	281.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09	06	21	07	80.0	0.00	282.0	6	196.0	196.0	0.0000	0.0	0.0000	0	0.00
09	06	21	08	355.2	0.56	283.6	6	353.0	353.0	0.0000	0.0	0.0000	0	0.00
09	06	21	09	21.1	1.48	283.6	6	515.0	515.0	0.0000	0.0	0.0000	0	0.00
09	06	21	10	322.9	1.48	284.0	5	670.0	670.0	0.0000	0.0	0.0000	0	0.00
09	06	21	11	321.5	1.86	284.0	5	820.0	820.0	0.0000	0.0	0.0000	0	0.00
09	06	21	12	355.2	1.11	284.8	5	961.0	961.0	0.0000	0.0	0.0000	0	0.00
09	06	21	13	344.0	2.04	284.8	5	1091.0	1091.0	0.0000	0.0	0.0000	0	0.00
09	06	21	14	355.2	0.74	284.0	5	1207.0	1207.0	0.0000	0.0	0.0000	0	0.00
09	06	21	15	134.8	1.48	283.6	5	1307.0	1307.0	0.0000	0.0	0.0000	0	0.00
09	06	21	16	108.1	1.48	284.4	5	1391.0	1391.0	0.0000	0.0	0.0000	0	0.00
09	06	21	17	56.2	0.93	287.1	6	1457.0	1457.0	0.0000	0.0	0.0000	0	0.00
09	06	21	18	43.5	1.30	287.5	6	1505.0	1505.0	0.0000	0.0	0.0000	0	0.00
09	06	21	19	94.1	2.97	284.0	6	1534.0	1534.0	0.0000	0.0	0.0000	0	0.00
09	06	21	20	101.1	2.60	284.8	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09	06	21	21	101.1	2.04	285.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09	06	21	22	88.4	2.04	286.3	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09	06	21	23	101.1	3.15	284.0	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09	06	21	24	119.3	2.41	283.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00

*** NOTES: STABILITY CLASS 1=A, 2=B, 3=C, 4=D, 5=E AND 6=F.
FLOW VECTOR IS DIRECTION TOWARD WHICH WIND IS BLOWING.

CONC RURAL ELEV FLGPOL DFAULT

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00719	(09062103)	200.00	0.00	0.00151	(09062105)
300.00	0.00	0.00049	(09062106)	400.00	0.00	0.00037	(09062106)
500.00	0.00	0.00031	(09062106)	600.00	0.00	0.00026	(09062106)
700.00	0.00	0.00022	(09062106)	800.00	0.00	0.00020	(09062106)
900.00	0.00	0.00017	(09062106)	1000.00	0.00	0.00015	(09062106)

CONC RURAL ELEV FLGPOL DFAULT

*** THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00707	(09062104)	200.00	0.00	0.00099	(09062121)
300.00	0.00	0.00043	(09062119)	400.00	0.00	0.00032	(09062119)
500.00	0.00	0.00023	(09062119)	600.00	0.00	0.00016	(09062119)
700.00	0.00	0.00011	(09062119)	800.00	0.00	0.00008	(09062119)
900.00	0.00	0.00006	(09062119)	1000.00	0.00	0.00005	(09062122)

CONC RURAL ELEV FLGPOL DFAULT

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
100.00	0.00	0.00256c (09062124)	200.00	0.00	0.00027c (09062124)
300.00	0.00	0.00010c (09062124)	400.00	0.00	0.00004c (09062124)
500.00	0.00	0.00003c (09062124)	600.00	0.00	0.00002c (09062124)
700.00	0.00	0.00002c (09062124)	800.00	0.00	0.00001c (09062124)
900.00	0.00	0.00001c (09062124)	1000.00	0.00	0.00001c (09062124)

*** THE 2ND HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
100.00	0.00	0.00000 (00000000)	200.00	0.00	0.00000 (00000000)
300.00	0.00	0.00000 (00000000)	400.00	0.00	0.00000 (00000000)
500.00	0.00	0.00000 (00000000)	600.00	0.00	0.00000 (00000000)
700.00	0.00	0.00000 (00000000)	800.00	0.00	0.00000 (00000000)
900.00	0.00	0.00000 (00000000)	1000.00	0.00	0.00000 (00000000)

*** THE MAXIMUM 50 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

** CONC OF TSP IN GRAMS/CUBIC-METER **

RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)		OF TYPE
1.	0.00719	(09062103)	AT	(100.00,	0.00)	DC
2.	0.00707	(09062104)	AT	(100.00,	0.00)	DC
3.	0.00661	(09062105)	AT	(100.00,	0.00)	DC
4.	0.00541	(09062102)	AT	(100.00,	0.00)	DC
26.	0.00036	(09062105)	AT	(300.00,	0.00)	DC
27.	0.00032	(09062119)	AT	(400.00,	0.00)	DC
28.	0.00031	(09062106)	AT	(500.00,	0.00)	DC
29.	0.00029	(09062120)	AT	(300.00,	0.00)	DC

5.	0.00424 (09062101) AT (	100.00,	0.00)	DC	30.	0.00026 (09062106) AT (	600.00,	0.00)	DC
6.	0.00420 (09062121) AT (	100.00,	0.00)	DC	31.	0.00024 (09062123) AT (	300.00,	0.00)	DC
7.	0.00402 (09062116) AT (	100.00,	0.00)	DC	32.	0.00024 (09062122) AT (	200.00,	0.00)	DC
8.	0.00356 (09062124) AT (	100.00,	0.00)	DC	33.	0.00023 (09062119) AT (	500.00,	0.00)	DC
9.	0.00355 (09062115) AT (	100.00,	0.00)	DC	34.	0.00022 (09062106) AT (	700.00,	0.00)	DC
10.	0.00329 (09062120) AT (	100.00,	0.00)	DC	35.	0.00020 (09062106) AT (	800.00,	0.00)	DC
11.	0.00318 (09062106) AT (	100.00,	0.00)	DC	36.	0.00017 (09062106) AT (	900.00,	0.00)	DC
12.	0.00272 (09062123) AT (	100.00,	0.00)	DC	37.	0.00016 (09062119) AT (	600.00,	0.00)	DC
13.	0.00270 (09062119) AT (	100.00,	0.00)	DC	38.	0.00015 (09062106) AT (	1000.00,	0.00)	DC
14.	0.00151 (09062105) AT (	200.00,	0.00)	DC	39.	0.00015 (09062122) AT (	300.00,	0.00)	DC
15.	0.00114 (09062122) AT (	100.00,	0.00)	DC	40.	0.00011 (09062119) AT (	700.00,	0.00)	DC
16.	0.00099 (09062121) AT (	200.00,	0.00)	DC	41.	0.00011 (09062122) AT (	400.00,	0.00)	DC
17.	0.00078 (09062120) AT (	200.00,	0.00)	DC	42.	0.00009 (09062122) AT (	500.00,	0.00)	DC
18.	0.00075 (09062106) AT (	200.00,	0.00)	DC	43.	0.00008 (09062119) AT (	800.00,	0.00)	DC
19.	0.00066 (09062119) AT (	200.00,	0.00)	DC	44.	0.00008 (09062122) AT (	600.00,	0.00)	DC
20.	0.00064 (09062123) AT (	200.00,	0.00)	DC	45.	0.00006 (09062122) AT (	700.00,	0.00)	DC
21.	0.00055 (09062116) AT (	200.00,	0.00)	DC	46.	0.00006 (09062119) AT (	900.00,	0.00)	DC
22.	0.00049 (09062106) AT (	300.00,	0.00)	DC	47.	0.00006 (09062122) AT (	800.00,	0.00)	DC
23.	0.00043 (09062119) AT (	300.00,	0.00)	DC	48.	0.00005 (09062122) AT (	900.00,	0.00)	DC
24.	0.00037 (09062106) AT (	400.00,	0.00)	DC	49.	0.00005 (09062121) AT (	400.00,	0.00)	DC
25.	0.00037 (09062121) AT (	300.00,	0.00)	DC	50.	0.00005 (09062122) AT (	1000.00,	0.00)	DC

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

CONC RURAL ELEV FLGPOL DFAULT

*** THE MAXIMUM 50 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE

GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

** CONC OF TSP IN GRAMS/CUBIC-METER **

RANK	CONC	(YYMMDDHH) AT	RECEPTOR (XR,YR) OF TYPE	RANK	CONC	(YYMMDDHH) AT	RECEPTOR (XR,YR) OF TYPE
1.	0.00256c	(09062124) AT	(100.00, 0.00) DC	26.	0.00000	(00000000) AT	(0.00, 0.00)
2.	0.00027c	(09062124) AT	(200.00, 0.00) DC	27.	0.00000	(00000000) AT	(0.00, 0.00)
3.	0.00010c	(09062124) AT	(300.00, 0.00) DC	28.	0.00000	(00000000) AT	(0.00, 0.00)
4.	0.00004c	(09062124) AT	(400.00, 0.00) DC	29.	0.00000	(00000000) AT	(0.00, 0.00)
5.	0.00003c	(09062124) AT	(500.00, 0.00) DC	30.	0.00000	(00000000) AT	(0.00, 0.00)
6.	0.00002c	(09062124) AT	(600.00, 0.00) DC	31.	0.00000	(00000000) AT	(0.00, 0.00)
7.	0.00002c	(09062124) AT	(700.00, 0.00) DC	32.	0.00000	(00000000) AT	(0.00, 0.00)
8.	0.00001c	(09062124) AT	(800.00, 0.00) DC	33.	0.00000	(00000000) AT	(0.00, 0.00)
9.	0.00001c	(09062124) AT	(900.00, 0.00) DC	34.	0.00000	(00000000) AT	(0.00, 0.00)
10.	0.00001c	(09062124) AT	(1000.00, 0.00) DC	35.	0.00000	(00000000) AT	(0.00, 0.00)
11.	0.00000	(00000000) AT	(0.00, 0.00)	36.	0.00000	(00000000) AT	(0.00, 0.00)
12.	0.00000	(00000000) AT	(0.00, 0.00)	37.	0.00000	(00000000) AT	(0.00, 0.00)
13.	0.00000	(00000000) AT	(0.00, 0.00)	38.	0.00000	(00000000) AT	(0.00, 0.00)
14.	0.00000	(00000000) AT	(0.00, 0.00)	39.	0.00000	(00000000) AT	(0.00, 0.00)
15.	0.00000	(00000000) AT	(0.00, 0.00)	40.	0.00000	(00000000) AT	(0.00, 0.00)
16.	0.00000	(00000000) AT	(0.00, 0.00)	41.	0.00000	(00000000) AT	(0.00, 0.00)
17.	0.00000	(00000000) AT	(0.00, 0.00)	42.	0.00000	(00000000) AT	(0.00, 0.00)
18.	0.00000	(00000000) AT	(0.00, 0.00)	43.	0.00000	(00000000) AT	(0.00, 0.00)
19.	0.00000	(00000000) AT	(0.00, 0.00)	44.	0.00000	(00000000) AT	(0.00, 0.00)
20.	0.00000	(00000000) AT	(0.00, 0.00)	45.	0.00000	(00000000) AT	(0.00, 0.00)
21.	0.00000	(00000000) AT	(0.00, 0.00)	46.	0.00000	(00000000) AT	(0.00, 0.00)
22.	0.00000	(00000000) AT	(0.00, 0.00)	47.	0.00000	(00000000) AT	(0.00, 0.00)
23.	0.00000	(00000000) AT	(0.00, 0.00)	48.	0.00000	(00000000) AT	(0.00, 0.00)
24.	0.00000	(00000000) AT	(0.00, 0.00)	49.	0.00000	(00000000) AT	(0.00, 0.00)
25.	0.00000	(00000000) AT	(0.00, 0.00)	50.	0.00000	(00000000) AT	(0.00, 0.00)

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

CONC RURAL ELEV FLGPOL DFAULT

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

** CONC OF TSP IN GRAMS/CUBIC-METER **

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

ALL HIGH 1ST HIGH VALUE IS 0.00719 ON 09062103: AT (100.00, 0.00, 920.00, 0.00) DC
NA
HIGH 2ND HIGH VALUE IS 0.00707 ON 09062104: AT (100.00, 0.00, 920.00, 0.00) DC
NA

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:48:18
**MODELOPTs: PAGE 14
CONC RURAL ELEV FLGPOL DFAULT

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

** CONC OF TSP IN GRAMS/CUBIC-METER **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	NETWORK RECEPTOR (XR, YR, ZELEV, ZFLAG) OF TYPE GRID-ID
ALL	1ST HIGH VALUE IS	0.00256c ON 09062124	AT (100.00, 0.00, 920.00, 0.00) DC
	2ND HIGH VALUE IS	0.00000 ON 00000000	AT (0.00, 0.00, 0.00, 0.00)

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:48:18
**MODELOPTs: PAGE 15
CONC RURAL ELEV FLGPOL DFAULT

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

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

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

A Total of 1 Calm Hours Identified

******** FATAL ERROR MESSAGES ********

*** NONE ***

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

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

```
CO STARTING
CO TITLEONE RUN1
CO MODELOPT DFAULT CONC RURAL
CO AVERTIME  1 24
co terrhgts elev
co flagpole 0.0
CO POLLUTID TSP
CO DCAYCOEF      .00000000
CO RUNORNOT RUN
CO ERRORFIL ERRORS.LST
CO FINISHED


SO STARTING

**        SRCID  SRCTYP    XS      YS      ZS
**        ----- ------  -----   -----    -----
SO LOCATION    1    AREA     0.      0.     .0000

**        SRCID    QS      HS     XINIT   YINIT
**        -----  ----    ----   -----  -----
SO SRCPARAM     1   0.00012    0.0     100.     50.

SO EMISUNIT     1.0 (GRAMS/(SEC-M**2))          grams/cubic-meter

SO SRCGROUP ALL
SO FINISHED


RE STARTING
RE DISCCART    100.     0.  920.   0.0
RE DISCCART    200.     0.  940.   0.0
RE DISCCART    300.     0.  950.   0.0
RE DISCCART    400.     0.  945.   0.0
RE DISCCART    500.     0.  945.   0.0
RE DISCCART    600.     0.  940.   0.0
RE DISCCART    700.     0.  940.   0.0
RE DISCCART    800.     0.  935.   0.0
RE DISCCART    900.     0.  930.   0.0
RE DISCCART   1000.     0.  930.   0.0
RE FINISHED


ME STARTING
ME INPUTFIL  MAR1.MET
ME ANEMHGHT     3.0 METERS
ME SURFDATA  99999   2010          SURFNAME
ME UAIRDATA  99999   2010          UAIRNAME
ME WINDCATS    1.54    3.09    5.14    8.23   10.80
ME FINISHED
```

OU STARTING
OU RECTABLE ALLAVE FIRST SECOND
OU MAXTABLE ALLAVE 50
OU FINISHED

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

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:49:41
**MODELOPTs: PAGE 1
CONC RURAL ELEV FLGPOL DFAULT

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

**Intermediate Terrain Processing is Selected

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

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

**Model Uses RURAL Dispersion.

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

**Model Accepts Receptors on ELEV Terrain.

**Model Accepts FLAGPOLE Receptor Heights.

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

**This Run Includes: 1 Source(s); 1 Source Group(s); and 10 Receptor(s)

**The Model Assumes A Pollutant Type of: TSP

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

**Output Options Selected:

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs Tables of Overall Maximum Short Term Values (MAXTABLE Keyword)

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

**Misc. Inputs: Anem. Hgt. (m) = 3.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = (GRAMS/(SEC-M**2)) ; Emission Rate Unit Factor = 1.0000
Output Units = GRAMS/CUBIC-METER

**Approximate Storage Requirements of Model = 1.2 MB of RAM.

**Input Runstream File: MONTHLY.INP
**Output Print File: MAR1.OUT
**Detailed Error/Message File: ERRORS.LST
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:49:41
**MODELOPTs: PAGE 2
CONC RURAL ELEV FLGPOL DFAULT

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (USER UNITS /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	EMISSION RATE SCALAR VARY BY
1	0	0.12000E-03	0.0	0.0	0.0	0.00	100.00	50.00	0.00	0.00	

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:49:41
**MODELOPTs: PAGE 3
CONC RURAL ELEV FLGPOL DFAULT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	1 ,

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:49:41
**MODELOPTs: PAGE 4
CONC RURAL ELEV FLGPOL DFAULT

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

```
( 100.0, 0.0, 920.0, 0.0); ( 200.0, 0.0, 940.0, 0.0);
( 300.0, 0.0, 950.0, 0.0); ( 400.0, 0.0, 945.0, 0.0);
( 500.0, 0.0, 945.0, 0.0); ( 600.0, 0.0, 940.0, 0.0);
( 700.0, 0.0, 940.0, 0.0); ( 800.0, 0.0, 935.0, 0.0);
( 900.0, 0.0, 930.0, 0.0); ( 1000.0, 0.0, 930.0, 0.0);
```


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

```
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
```

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

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

1.54, 3.09, 5.14, 8.23, 10.80,

*** WIND PROFILE EXPONENTS ***

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

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

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

CONC RURAL ELEV FLGPOL DFAULT

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

FILE: MAR1.MET
FORMAT: (4I2,2F9.4,F6.1,I2,2F7.1,f9.4,f10.1,f8.4,i4,f7.2)
SURFACE STATION NO.: 99999 UPPER AIR STATION NO.: 99999
NAME: SURFNAME NAME: UAIRNAME
YEAR: 2010 YEAR: 2010

YR MN DY HR	FLOW VECTOR	SPEED (M/S)	TEMP (K)	STAB CLASS	MIXING HEIGHT (M) RURAL	URBAN	USTAR (M/S)	M-O LENGTH (M)	Z-0 (M)	IPCODE	PRATE (mm/HR)
09 03 16 01	84.2	2.23	253.5	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09 03 16 02	78.6	2.41	253.5	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09 03 16 03	81.4	3.34	252.8	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09 03 16 04	67.4	2.41	255.0	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09 03 16 05	67.4	2.23	254.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09 03 16 06	75.8	1.48	254.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09 03 16 07	85.6	2.23	253.5	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09 03 16 08	87.0	1.86	255.0	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09 03 16 09	92.7	3.15	254.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09 03 16 10	96.9	3.90	253.5	5	189.0	189.0	0.0000	0.0	0.0000	0	0.00
09 03 16 11	95.5	2.23	254.2	5	304.0	304.0	0.0000	0.0	0.0000	0	0.00
09 03 16 12	95.5	2.78	255.7	5	425.0	425.0	0.0000	0.0	0.0000	0	0.00
09 03 16 13	96.9	1.30	256.3	5	626.0	626.0	0.0000	0.0	0.0000	0	0.00
09 03 16 14	71.6	1.48	255.0	5	692.0	692.0	0.0000	0.0	0.0000	0	0.00
09 03 16 15	92.7	2.60	255.0	5	729.0	729.0	0.0000	0.0	0.0000	0	0.00
09 03 16 16	95.5	2.23	254.2	5	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09 03 16 17	88.4	2.23	255.0	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09 03 16 18	77.2	2.23	254.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09 03 16 19	87.0	1.86	254.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09 03 16 20	88.4	2.23	266.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09 03 16 21	82.8	2.60	252.8	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09 03 16 22	84.2	2.97	253.5	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09 03 16 23	94.1	3.15	254.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09 03 16 24	92.7	2.97	254.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00

*** NOTES: STABILITY CLASS 1=A, 2=B, 3=C, 4=D, 5=E AND 6=F.
FLOW VECTOR IS DIRECTION TOWARD WHICH WIND IS BLOWING.

CONC RURAL ELEV FLGPOL DFAULT

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00648	(09031613)	200.00	0.00	0.00150	(09031613)
300.00	0.00	0.00089	(09031613)	400.00	0.00	0.00049	(09031613)
500.00	0.00	0.00036	(09031624)	600.00	0.00	0.00028	(09031624)
700.00	0.00	0.00022	(09031624)	800.00	0.00	0.00018	(09031624)
900.00	0.00	0.00014	(09031624)	1000.00	0.00	0.00012	(09031624)

CONC RURAL ELEV FLGPOL DFAULT

*** THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00381	(09031623)	200.00	0.00	0.00093	(09031623)
300.00	0.00	0.00061	(09031623)	400.00	0.00	0.00046	(09031624)
500.00	0.00	0.00034	(09031609)	600.00	0.00	0.00027	(09031609)
700.00	0.00	0.00021	(09031609)	800.00	0.00	0.00017	(09031609)
900.00	0.00	0.00013	(09031609)	1000.00	0.00	0.00011	(09031609)

CONC RURAL ELEV FLGPOL DFAULT

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00156	(09031624)	200.00	0.00	0.00036	(09031624)
300.00	0.00	0.00023	(09031624)	400.00	0.00	0.00015	(09031624)
500.00	0.00	0.00011	(09031624)	600.00	0.00	0.00008	(09031624)
700.00	0.00	0.00006	(09031624)	800.00	0.00	0.00004	(09031624)
900.00	0.00	0.00003	(09031624)	1000.00	0.00	0.00003	(09031624)

CONC RURAL ELEV FLGPOL DFAULT

*** THE 2ND HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00000	(00000000)	200.00	0.00	0.00000	(00000000)
300.00	0.00	0.00000	(00000000)	400.00	0.00	0.00000	(00000000)
500.00	0.00	0.00000	(00000000)	600.00	0.00	0.00000	(00000000)
700.00	0.00	0.00000	(00000000)	800.00	0.00	0.00000	(00000000)
900.00	0.00	0.00000	(00000000)	1000.00	0.00	0.00000	(00000000)

CONC RURAL ELEV FLGPOL DFAULT

*** THE MAXIMUM 50 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

** CONC OF TSP IN GRAMS/CUBIC-METER **

RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)		OF TYPE
1.	0.00648	(09031613)	AT	(100.00,	0.00)	DC
2.	0.00381	(09031623)	AT	(100.00,	0.00)	DC
3.	0.00364	(09031624)	AT	(100.00,	0.00)	DC
4.	0.00361	(09031611)	AT	(100.00,	0.00)	DC
26.	0.00053	(09031611)	AT	(300.00,	0.00)	DC
27.	0.00053	(09031616)	AT	(300.00,	0.00)	DC
28.	0.00050	(09031610)	AT	(200.00,	0.00)	DC
29.	0.00049	(09031613)	AT	(400.00,	0.00)	DC

5.	0.00361 (09031616) AT (	100.00,	0.00)	DC	30.	0.00046 (09031624) AT (	400.00,	0.00)	DC		
6.	0.00343 (09031609) AT (	100.00,	0.00)	DC	31.	0.00045 (09031623) AT (	400.00,	0.00)	DC		
7.	0.00289 (09031612) AT (	100.00,	0.00)	DC	32.	0.00043 (09031609) AT (	400.00,	0.00)	DC		
8.	0.00253 (09031615) AT (	100.00,	0.00)	DC	33.	0.00042 (09031612) AT (	300.00,	0.00)	DC		
9.	0.00216 (09031610) AT (	100.00,	0.00)	DC	34.	0.00039 (09031615) AT (	300.00,	0.00)	DC		
10.	0.00157 (09031617) AT (	100.00,	0.00)	DC	35.	0.00036 (09031624) AT (	500.00,	0.00)	DC		
11.	0.00157 (09031620) AT (	100.00,	0.00)	DC	36.	0.00034 (09031609) AT (	500.00,	0.00)	DC		
12.	0.00150 (09031613) AT (	200.00,	0.00)	DC	37.	0.00033 (09031611) AT (	400.00,	0.00)	DC		
13.	0.00093 (09031623) AT (	200.00,	0.00)	DC	38.	0.00033 (09031616) AT (	400.00,	0.00)	DC		
14.	0.00090 (09031624) AT (	200.00,	0.00)	DC	39.	0.00033 (09031623) AT (	500.00,	0.00)	DC		
15.	0.00089 (09031608) AT (	100.00,	0.00)	DC	40.	0.00033 (09031617) AT (	200.00,	0.00)	DC		
16.	0.00089 (09031619) AT (	100.00,	0.00)	DC	41.	0.00033 (09031620) AT (	200.00,	0.00)	DC		
17.	0.00089 (09031613) AT (	300.00,	0.00)	DC	42.	0.00030 (09031610) AT (	300.00,	0.00)	DC		
18.	0.00085 (09031609) AT (	200.00,	0.00)	DC	43.	0.00029 (09031615) AT (	400.00,	0.00)	DC		
19.	0.00085 (09031611) AT (	200.00,	0.00)	DC	44.	0.00028 (09031607) AT (	100.00,	0.00)	DC		
20.	0.00085 (09031616) AT (	200.00,	0.00)	DC	45.	0.00028 (09031624) AT (	600.00,	0.00)	DC		
21.	0.00068 (09031612) AT (	200.00,	0.00)	DC	46.	0.00027 (09031612) AT (	400.00,	0.00)	DC		
22.	0.00061 (09031623) AT (	300.00,	0.00)	DC	47.	0.00027 (09031609) AT (	600.00,	0.00)	DC		
23.	0.00060 (09031615) AT (	200.00,	0.00)	DC	48.	0.00026 (09031613) AT (	500.00,	0.00)	DC		
24.	0.00060 (09031624) AT (	300.00,	0.00)	DC	49.	0.00023 (09031623) AT (	600.00,	0.00)	DC		
25.	0.00056 (09031609) AT (	300.00,	0.00)	DC	50.	0.00022 (09031624) AT (	700.00,	0.00)	DC		

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

CONC RURAL ELEV FLGPOL DFAULT

*** THE MAXIMUM 50 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE

GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

** CONC OF TSP IN GRAMS/CUBIC-METER **

RANK	CONC	(YYMMDDHH) AT	RECEPTOR (XR,YR) OF TYPE	RANK	CONC	(YYMMDDHH) AT	RECEPTOR (XR,YR) OF TYPE
1.	0.00156	(09031624) AT	(100.00, 0.00) DC	26.	0.00000	(00000000) AT	(0.00, 0.00)
2.	0.00036	(09031624) AT	(200.00, 0.00) DC	27.	0.00000	(00000000) AT	(0.00, 0.00)
3.	0.00023	(09031624) AT	(300.00, 0.00) DC	28.	0.00000	(00000000) AT	(0.00, 0.00)
4.	0.00015	(09031624) AT	(400.00, 0.00) DC	29.	0.00000	(00000000) AT	(0.00, 0.00)
5.	0.00011	(09031624) AT	(500.00, 0.00) DC	30.	0.00000	(00000000) AT	(0.00, 0.00)
6.	0.00008	(09031624) AT	(600.00, 0.00) DC	31.	0.00000	(00000000) AT	(0.00, 0.00)
7.	0.00006	(09031624) AT	(700.00, 0.00) DC	32.	0.00000	(00000000) AT	(0.00, 0.00)
8.	0.00004	(09031624) AT	(800.00, 0.00) DC	33.	0.00000	(00000000) AT	(0.00, 0.00)
9.	0.00003	(09031624) AT	(900.00, 0.00) DC	34.	0.00000	(00000000) AT	(0.00, 0.00)
10.	0.00003	(09031624) AT	(1000.00, 0.00) DC	35.	0.00000	(00000000) AT	(0.00, 0.00)
11.	0.00000	(00000000) AT	(0.00, 0.00)	36.	0.00000	(00000000) AT	(0.00, 0.00)
12.	0.00000	(00000000) AT	(0.00, 0.00)	37.	0.00000	(00000000) AT	(0.00, 0.00)
13.	0.00000	(00000000) AT	(0.00, 0.00)	38.	0.00000	(00000000) AT	(0.00, 0.00)
14.	0.00000	(00000000) AT	(0.00, 0.00)	39.	0.00000	(00000000) AT	(0.00, 0.00)
15.	0.00000	(00000000) AT	(0.00, 0.00)	40.	0.00000	(00000000) AT	(0.00, 0.00)
16.	0.00000	(00000000) AT	(0.00, 0.00)	41.	0.00000	(00000000) AT	(0.00, 0.00)
17.	0.00000	(00000000) AT	(0.00, 0.00)	42.	0.00000	(00000000) AT	(0.00, 0.00)
18.	0.00000	(00000000) AT	(0.00, 0.00)	43.	0.00000	(00000000) AT	(0.00, 0.00)
19.	0.00000	(00000000) AT	(0.00, 0.00)	44.	0.00000	(00000000) AT	(0.00, 0.00)
20.	0.00000	(00000000) AT	(0.00, 0.00)	45.	0.00000	(00000000) AT	(0.00, 0.00)
21.	0.00000	(00000000) AT	(0.00, 0.00)	46.	0.00000	(00000000) AT	(0.00, 0.00)
22.	0.00000	(00000000) AT	(0.00, 0.00)	47.	0.00000	(00000000) AT	(0.00, 0.00)
23.	0.00000	(00000000) AT	(0.00, 0.00)	48.	0.00000	(00000000) AT	(0.00, 0.00)
24.	0.00000	(00000000) AT	(0.00, 0.00)	49.	0.00000	(00000000) AT	(0.00, 0.00)
25.	0.00000	(00000000) AT	(0.00, 0.00)	50.	0.00000	(00000000) AT	(0.00, 0.00)

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

CONC RURAL ELEV FLGPOL DFAULT

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

** CONC OF TSP IN GRAMS/CUBIC-METER **

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

ALL HIGH 1ST HIGH VALUE IS 0.00648 ON 09031613: AT (100.00, 0.00, 920.00, 0.00) DC NA
HIGH 2ND HIGH VALUE IS 0.00381 ON 09031623: AT (100.00, 0.00, 920.00, 0.00) DC NA

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:49:41
**MODELOPTs: PAGE 14
CONC RURAL ELEV FLGPOL DFAULT

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

** CONC OF TSP IN GRAMS/CUBIC-METER **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	NETWORK RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	0.00156	ON 09031624: AT (100.00, 0.00, 920.00, 0.00)	DC	NA
	HIGH 2ND HIGH VALUE IS	0.00000	ON 00000000: AT (0.00, 0.00, 0.00, 0.00)		

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:49:41
**MODELOPTs: PAGE 15
CONC RURAL ELEV FLGPOL DFAULT

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

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

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

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

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

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

```
CO STARTING
CO TITLEONE RUN1
CO MODELOPT DFAULT CONC RURAL
CO AVERTIME  1 24
co terrhgts elev
co flagpole 0.0
CO POLLUTID TSP
CO DCAYCOEF      .00000000
CO RUNORNOT RUN
CO ERRORFIL ERRORS.LST
CO FINISHED


SO STARTING

**        SRCID  SRCTYP    XS      YS      ZS
**        ----- ------  -----   -----    -----
SO LOCATION    1    AREA     0.      0.     .0000

**        SRCID    QS      HS     XINIT   YINIT
**        -----  ----    ----   -----  -----
SO SRCPARAM     1   0.00030    0.0     100.     50.

SO EMISUNIT     1.0 (GRAMS/(SEC-M**2))          grams/cubic-meter

SO SRCGROUP ALL
SO FINISHED


RE STARTING
RE DISCCART    100.     0.  920.   0.0
RE DISCCART    200.     0.  940.   0.0
RE DISCCART    300.     0.  950.   0.0
RE DISCCART    400.     0.  945.   0.0
RE DISCCART    500.     0.  945.   0.0
RE DISCCART    600.     0.  940.   0.0
RE DISCCART    700.     0.  940.   0.0
RE DISCCART    800.     0.  935.   0.0
RE DISCCART    900.     0.  930.   0.0
RE DISCCART   1000.     0.  930.   0.0
RE FINISHED


ME STARTING
ME INPUTFIL  MAR2.MET
ME ANEMHGHT     3.0 METERS
ME SURFDATA  99999   2010          SURFNAME
ME UAIRDATA  99999   2010          UAIRNAME
ME WINDCATS    1.54    3.09    5.14    8.23   10.80
ME FINISHED
```

OU STARTING
OU RECTABLE ALLAVE FIRST SECOND
OU MAXTABLE ALLAVE 50
OU FINISHED

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

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:52:10
**MODELOPTs: PAGE 1
CONC RURAL ELEV FLGPOL DFAULT

*** MODEL SETUP OPTIONS SUMMARY ***

**Intermediate Terrain Processing is Selected

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

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

**Model Uses RURAL Dispersion.

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

**Model Accepts Receptors on ELEV Terrain.

**Model Accepts FLAGPOLE Receptor Heights.

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

**This Run Includes: 1 Source(s); 1 Source Group(s); and 10 Receptor(s)

**The Model Assumes A Pollutant Type of: TSP

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

**Output Options Selected:

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs Tables of Overall Maximum Short Term Values (MAXTABLE Keyword)

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

**Misc. Inputs: Anem. Hgt. (m) = 3.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = (GRAMS/(SEC-M**2)) ; Emission Rate Unit Factor = 1.0000
Output Units = GRAMS/CUBIC-METER

**Approximate Storage Requirements of Model = 1.2 MB of RAM.

**Input Runstream File: MONTHLY.INP
**Output Print File: MAR2.OUT
**Detailed Error/Message File: ERRORS.LST
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:52:10
**MODELOPTs: PAGE 2
CONC RURAL ELEV FLGPOL DFAULT

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (USER UNITS /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	EMISSION RATE SCALAR VARY BY
1	0	0.30000E-03	0.0	0.0	0.0	0.00	100.00	50.00	0.00	0.00	

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:52:10
**MODELOPTs: PAGE 3
CONC RURAL ELEV FLGPOL DFAULT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	1 ,

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:52:10
**MODELOPTs: PAGE 4
CONC RURAL ELEV FLGPOL DFAULT

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

```
   (    100.0,      0.0,    920.0,      0.0);       (    200.0,      0.0,    940.0,      0.0);
   (    300.0,      0.0,    950.0,      0.0);       (    400.0,      0.0,    945.0,      0.0);
   (    500.0,      0.0,    945.0,      0.0);       (    600.0,      0.0,    940.0,      0.0);
   (    700.0,      0.0,    940.0,      0.0);       (    800.0,      0.0,    935.0,      0.0);
   (    900.0,      0.0,    930.0,      0.0);       (   1000.0,      0.0,    930.0,      0.0);
```


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

```
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
```

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

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

1.54,   3.09,   5.14,   8.23, 10.80,

*** WIND PROFILE EXPONENTS ***

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

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

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

CONC RURAL ELEV FLGPOL DFAULT

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

FILE: MAR2.MET
FORMAT: (4I2,2F9.4,F6.1,I2,2F7.1,f9.4,f10.1,f8.4,i4,f7.2)
SURFACE STATION NO.: 99999 UPPER AIR STATION NO.: 99999
NAME: SURFNAME NAME: UAIRNAME
YEAR: 2010 YEAR: 2010

YR	MN	DY	HR	FLOW VECTOR	SPEED (M/S)	TEMP (K)	STAB CLASS	MIXING HEIGHT (M) RURAL	MIXING HEIGHT (M) URBAN	USTAR (M/S)	M-O LENGTH (M)	Z-0 (M)	IPCODE	PRATE (mm/HR)
10	03	11	01	112.3	4.08	260.1	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	03	11	02	109.5	5.57	260.7	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	03	11	03	109.5	4.82	260.7	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	03	11	04	120.7	5.20	260.1	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	03	11	05	95.5	4.27	260.1	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	03	11	06	99.7	4.64	260.1	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	03	11	07	98.3	6.31	260.7	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	03	11	08	96.9	6.31	260.7	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	03	11	09	89.9	6.86	261.9	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	03	11	10	103.9	6.86	262.4	5	1799.0	1799.0	0.0000	0.0	0.0000	0	0.00
10	03	11	11	92.7	4.27	261.9	5	1812.0	1812.0	0.0000	0.0	0.0000	0	0.00
10	03	11	12	105.3	6.86	262.4	5	1834.0	1834.0	0.0000	0.0	0.0000	0	0.00
10	03	11	13	102.5	7.79	263.0	5	1862.0	1862.0	0.0000	0.0	0.0000	0	0.00
10	03	11	14	102.5	5.94	263.0	5	1889.0	1889.0	0.0000	0.0	0.0000	0	0.00
10	03	11	15	112.3	7.05	263.5	5	1912.0	1912.0	0.0000	0.0	0.0000	0	0.00
10	03	11	16	112.3	5.38	264.6	5	1926.0	1926.0	0.0000	0.0	0.0000	0	0.00
10	03	11	17	112.3	6.86	264.1	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	03	11	18	117.9	6.86	264.1	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	03	11	19	116.5	6.31	264.6	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	03	11	20	115.1	7.24	264.6	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	03	11	21	115.1	6.86	264.6	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	03	11	22	122.1	7.05	265.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	03	11	23	113.7	6.86	265.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	03	11	24	119.3	5.01	265.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00

*** NOTES: STABILITY CLASS 1=A, 2=B, 3=C, 4=D, 5=E AND 6=F.
FLOW VECTOR IS DIRECTION TOWARD WHICH WIND IS BLOWING.

CONC RURAL ELEV FLGPOL DFAULT

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00804	(10031101)	200.00	0.00	0.00177	(10031105)
300.00	0.00	0.00115	(10031105)	400.00	0.00	0.00079	(10031105)
500.00	0.00	0.00048	(10031105)	600.00	0.00	0.00027	(10031105)
700.00	0.00	0.00019	(10031111)	800.00	0.00	0.00015	(10031111)
900.00	0.00	0.00012	(10031109)	1000.00	0.00	0.00011	(10031109)

CONC RURAL ELEV FLGPOL DFAULT

*** THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00735	(10031105)	200.00	0.00	0.00164	(10031106)
300.00	0.00	0.00082	(10031106)	400.00	0.00	0.00044	(10031111)
500.00	0.00	0.00033	(10031111)	600.00	0.00	0.00025	(10031111)
700.00	0.00	0.00016	(10031105)	800.00	0.00	0.00014	(10031109)
900.00	0.00	0.00012	(10031111)	1000.00	0.00	0.00010	(10031111)

CONC RURAL ELEV FLGPOL DFAULT

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00489	(10031124)	200.00	0.00	0.00055	(10031124)
300.00	0.00	0.00021	(10031124)	400.00	0.00	0.00010	(10031124)
500.00	0.00	0.00006	(10031124)	600.00	0.00	0.00003	(10031124)
700.00	0.00	0.00002	(10031124)	800.00	0.00	0.00002	(10031124)
900.00	0.00	0.00001	(10031124)	1000.00	0.00	0.00001	(10031124)

CONC RURAL ELEV FLGPOL DFAULT

*** THE 2ND HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00000	(00000000)	200.00	0.00	0.00000	(00000000)
300.00	0.00	0.00000	(00000000)	400.00	0.00	0.00000	(00000000)
500.00	0.00	0.00000	(00000000)	600.00	0.00	0.00000	(00000000)
700.00	0.00	0.00000	(00000000)	800.00	0.00	0.00000	(00000000)
900.00	0.00	0.00000	(00000000)	1000.00	0.00	0.00000	(00000000)

CONC RURAL ELEV FLGPOL DFAULT

*** THE MAXIMUM 50 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

** CONC OF TSP IN GRAMS/CUBIC-METER **

RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)		OF TYPE
1.	0.00804	(10031101)	AT	(100.00,	0.00)	DC
2.	0.00735	(10031105)	AT	(100.00,	0.00)	DC
3.	0.00691	(10031106)	AT	(100.00,	0.00)	DC
4.	0.00676	(10031103)	AT	(100.00,	0.00)	DC
26.	0.00164	(10031106)	AT	(200.00,	0.00)	DC
27.	0.00121	(10031107)	AT	(200.00,	0.00)	DC
28.	0.00121	(10031108)	AT	(200.00,	0.00)	DC
29.	0.00115	(10031105)	AT	(300.00,	0.00)	DC

5.	0.00642 (10031124) AT (	100.00,	0.00)	DC	30.	0.00092 (10031111) AT (	200.00,	0.00)	DC		
6.	0.00612 (10031104) AT (	100.00,	0.00)	DC	31.	0.00082 (10031106) AT (	300.00,	0.00)	DC		
7.	0.00585 (10031102) AT (	100.00,	0.00)	DC	32.	0.00079 (10031105) AT (	400.00,	0.00)	DC		
8.	0.00519 (10031119) AT (	100.00,	0.00)	DC	33.	0.00078 (10031114) AT (	200.00,	0.00)	DC		
9.	0.00508 (10031107) AT (	100.00,	0.00)	DC	34.	0.00078 (10031103) AT (	200.00,	0.00)	DC		
10.	0.00505 (10031108) AT (	100.00,	0.00)	DC	35.	0.00076 (10031108) AT (	300.00,	0.00)	DC		
11.	0.00479 (10031121) AT (	100.00,	0.00)	DC	36.	0.00071 (10031107) AT (	300.00,	0.00)	DC		
12.	0.00479 (10031123) AT (	100.00,	0.00)	DC	37.	0.00068 (10031102) AT (	200.00,	0.00)	DC		
13.	0.00478 (10031117) AT (	100.00,	0.00)	DC	38.	0.00064 (10031110) AT (	200.00,	0.00)	DC		
14.	0.00474 (10031118) AT (	100.00,	0.00)	DC	39.	0.00060 (10031113) AT (	200.00,	0.00)	DC		
15.	0.00454 (10031120) AT (	100.00,	0.00)	DC	40.	0.00060 (10031111) AT (	300.00,	0.00)	DC		
16.	0.00445 (10031122) AT (	100.00,	0.00)	DC	41.	0.00058 (10031112) AT (	200.00,	0.00)	DC		
17.	0.00417 (10031116) AT (	100.00,	0.00)	DC	42.	0.00054 (10031109) AT (	200.00,	0.00)	DC		
18.	0.00386 (10031111) AT (	100.00,	0.00)	DC	43.	0.00053 (10031101) AT (	200.00,	0.00)	DC		
19.	0.00372 (10031114) AT (	100.00,	0.00)	DC	44.	0.00048 (10031105) AT (	500.00,	0.00)	DC		
20.	0.00323 (10031112) AT (	100.00,	0.00)	DC	45.	0.00044 (10031111) AT (	400.00,	0.00)	DC		
21.	0.00322 (10031110) AT (	100.00,	0.00)	DC	46.	0.00043 (10031108) AT (	400.00,	0.00)	DC		
22.	0.00318 (10031115) AT (	100.00,	0.00)	DC	47.	0.00035 (10031109) AT (	300.00,	0.00)	DC		
23.	0.00284 (10031113) AT (	100.00,	0.00)	DC	48.	0.00033 (10031111) AT (	500.00,	0.00)	DC		
24.	0.00226 (10031109) AT (	100.00,	0.00)	DC	49.	0.00032 (10031117) AT (	200.00,	0.00)	DC		
25.	0.00177 (10031105) AT (	200.00,	0.00)	DC	50.	0.00029 (10031107) AT (	400.00,	0.00)	DC		

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

CONC RURAL ELEV FLGPOL DFAULT

*** THE MAXIMUM 50 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE

GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

** CONC OF TSP IN GRAMS/CUBIC-METER **

RANK	CONC	(YYMMDDHH) AT	RECEPTOR (XR,YR) OF TYPE	RANK	CONC	(YYMMDDHH) AT	RECEPTOR (XR,YR) OF TYPE
1.	0.00489	(10031124) AT	(100.00, 0.00) DC	26.	0.00000	(00000000) AT	(0.00, 0.00)
2.	0.00055	(10031124) AT	(200.00, 0.00) DC	27.	0.00000	(00000000) AT	(0.00, 0.00)
3.	0.00021	(10031124) AT	(300.00, 0.00) DC	28.	0.00000	(00000000) AT	(0.00, 0.00)
4.	0.00010	(10031124) AT	(400.00, 0.00) DC	29.	0.00000	(00000000) AT	(0.00, 0.00)
5.	0.00006	(10031124) AT	(500.00, 0.00) DC	30.	0.00000	(00000000) AT	(0.00, 0.00)
6.	0.00003	(10031124) AT	(600.00, 0.00) DC	31.	0.00000	(00000000) AT	(0.00, 0.00)
7.	0.00002	(10031124) AT	(700.00, 0.00) DC	32.	0.00000	(00000000) AT	(0.00, 0.00)
8.	0.00002	(10031124) AT	(800.00, 0.00) DC	33.	0.00000	(00000000) AT	(0.00, 0.00)
9.	0.00001	(10031124) AT	(900.00, 0.00) DC	34.	0.00000	(00000000) AT	(0.00, 0.00)
10.	0.00001	(10031124) AT	(1000.00, 0.00) DC	35.	0.00000	(00000000) AT	(0.00, 0.00)
11.	0.00000	(00000000) AT	(0.00, 0.00)	36.	0.00000	(00000000) AT	(0.00, 0.00)
12.	0.00000	(00000000) AT	(0.00, 0.00)	37.	0.00000	(00000000) AT	(0.00, 0.00)
13.	0.00000	(00000000) AT	(0.00, 0.00)	38.	0.00000	(00000000) AT	(0.00, 0.00)
14.	0.00000	(00000000) AT	(0.00, 0.00)	39.	0.00000	(00000000) AT	(0.00, 0.00)
15.	0.00000	(00000000) AT	(0.00, 0.00)	40.	0.00000	(00000000) AT	(0.00, 0.00)
16.	0.00000	(00000000) AT	(0.00, 0.00)	41.	0.00000	(00000000) AT	(0.00, 0.00)
17.	0.00000	(00000000) AT	(0.00, 0.00)	42.	0.00000	(00000000) AT	(0.00, 0.00)
18.	0.00000	(00000000) AT	(0.00, 0.00)	43.	0.00000	(00000000) AT	(0.00, 0.00)
19.	0.00000	(00000000) AT	(0.00, 0.00)	44.	0.00000	(00000000) AT	(0.00, 0.00)
20.	0.00000	(00000000) AT	(0.00, 0.00)	45.	0.00000	(00000000) AT	(0.00, 0.00)
21.	0.00000	(00000000) AT	(0.00, 0.00)	46.	0.00000	(00000000) AT	(0.00, 0.00)
22.	0.00000	(00000000) AT	(0.00, 0.00)	47.	0.00000	(00000000) AT	(0.00, 0.00)
23.	0.00000	(00000000) AT	(0.00, 0.00)	48.	0.00000	(00000000) AT	(0.00, 0.00)
24.	0.00000	(00000000) AT	(0.00, 0.00)	49.	0.00000	(00000000) AT	(0.00, 0.00)
25.	0.00000	(00000000) AT	(0.00, 0.00)	50.	0.00000	(00000000) AT	(0.00, 0.00)

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

CONC RURAL ELEV FLGPOL DFAULT

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

** CONC OF TSP IN GRAMS/CUBIC-METER **

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

ALL HIGH 1ST HIGH VALUE IS 0.00804 ON 10031101: AT (100.00, 0.00, 920.00, 0.00) DC
NA
HIGH 2ND HIGH VALUE IS 0.00735 ON 10031105: AT (100.00, 0.00, 920.00, 0.00) DC
NA

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:52:10
**MODELOPTs: PAGE 14
CONC RURAL ELEV FLGPOL DFAULT

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

** CONC OF TSP IN GRAMS/CUBIC-METER **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	NETWORK RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE GRID-ID
ALL	1ST HIGH VALUE IS	0.00489	ON 10031124: AT (100.00, 0.00, 920.00, 0.00)	DC
	2ND HIGH VALUE IS	0.00000	ON 00000000: AT (0.00, 0.00, 0.00, 0.00)	

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

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

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

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

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

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

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

```
CO STARTING
CO TITLEONE RUN1
CO MODELOPT DFAULT CONC RURAL
CO AVERTIME  1 24
co terrhgts elev
co flagpole 0.0
CO POLLUTID TSP
CO DCAYCOEF      .00000000
CO RUNORNOT RUN
CO ERRORFIL ERRORS.LST
CO FINISHED


SO STARTING

**        SRCID  SRCTYP    XS      YS      ZS
**        ----- ------  -----   -----    -----
SO LOCATION    1    AREA     0.      0.     .0000

**        SRCID    QS      HS     XINIT   YINIT
**        -----  ----    ----    -----  -----
SO SRCPARAM     1   0.00017    0.0     100.     50.

SO EMISUNIT     1.0 (GRAMS/(SEC-M**2))          grams/cubic-meter

SO SRCGROUP ALL
SO FINISHED


RE STARTING
RE DISCCART    100.     0.  920.   0.0
RE DISCCART    200.     0.  940.   0.0
RE DISCCART    300.     0.  950.   0.0
RE DISCCART    400.     0.  945.   0.0
RE DISCCART    500.     0.  945.   0.0
RE DISCCART    600.     0.  940.   0.0
RE DISCCART    700.     0.  940.   0.0
RE DISCCART    800.     0.  935.   0.0
RE DISCCART    900.     0.  930.   0.0
RE DISCCART   1000.     0.  930.   0.0
RE FINISHED


ME STARTING
ME INPUTFIL  MAR3.MET
ME ANEMHGHT     3.0 METERS
ME SURFDATA  99999   2010          SURFNAME
ME UAIRDATA  99999   2010          UAIRNAME
ME WINDCATS    1.54    3.09    5.14    8.23   10.80
ME FINISHED
```

OU STARTING
OU RECTABLE ALLAVE FIRST SECOND
OU MAXTABLE ALLAVE 50
OU FINISHED

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

*** ISCST3 - VERSION 02035 *** *** RUN1 *** *** 09/10/10
*** *** 09:51:37
**MODELOPTs: PAGE 1
CONC RURAL ELEV FLGPOL DFAULT

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

**Intermediate Terrain Processing is Selected

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

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

**Model Uses RURAL Dispersion.

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

**Model Accepts Receptors on ELEV Terrain.

**Model Accepts FLAGPOLE Receptor Heights.

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

**This Run Includes: 1 Source(s); 1 Source Group(s); and 10 Receptor(s)

**The Model Assumes A Pollutant Type of: TSP

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

**Output Options Selected:

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs Tables of Overall Maximum Short Term Values (MAXTABLE Keyword)

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

**Misc. Inputs: Anem. Hgt. (m) = 3.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = (GRAMS/(SEC-M**2)) ; Emission Rate Unit Factor = 1.0000
Output Units = GRAMS/CUBIC-METER

**Approximate Storage Requirements of Model = 1.2 MB of RAM.

**Input Runstream File: MONTHLY.INP
**Output Print File: MAR3.OUT
**Detailed Error/Message File: ERRORS.LST
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:51:37
**MODELOPTs: PAGE 2
CONC RURAL ELEV FLGPOL DFAULT

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (USER UNITS /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	EMISSION RATE SCALAR VARY BY
1	0	0.17000E-03	0.0	0.0	0.0	0.00	100.00	50.00	0.00	0.00	

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:51:37
**MODELOPTs: PAGE 3
CONC RURAL ELEV FLGPOL DFAULT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	1 ,

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:51:37
**MODELOPTs: PAGE 4
CONC RURAL ELEV FLGPOL DFAULT

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

```
(    100.0,      0.0,    920.0,      0.0);       (    200.0,      0.0,    940.0,      0.0);
(    300.0,      0.0,    950.0,      0.0);       (    400.0,      0.0,    945.0,      0.0);
(    500.0,      0.0,    945.0,      0.0);       (    600.0,      0.0,    940.0,      0.0);
(    700.0,      0.0,    940.0,      0.0);       (    800.0,      0.0,    935.0,      0.0);
(    900.0,      0.0,    930.0,      0.0);       (   1000.0,      0.0,    930.0,      0.0);
```


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

```
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
```

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

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

1.54,   3.09,   5.14,   8.23, 10.80,

*** WIND PROFILE EXPONENTS ***

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

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

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

CONC RURAL ELEV FLGPOL DFAULT

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

FILE: MAR3.MET
FORMAT: (4I2,2F9.4,F6.1,I2,2F7.1,f9.4,f10.1,f8.4,i4,f7.2)
SURFACE STATION NO.: 99999 UPPER AIR STATION NO.: 99999
NAME: SURFNAME NAME: UAIRNAME
YEAR: 2010 YEAR: 2010

YR	MN	DY	HR	FLOW VECTOR	SPEED (M/S)	TEMP (K)	STAB CLASS	MIXING HEIGHT (M) RURAL	MIXING HEIGHT (M) URBAN	USTAR (M/S)	M-O LENGTH (M)	Z-0 (M)	IPCODE	PRATE (mm/HR)
10	03	23	01	42.1	4.08	255.6	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	03	23	02	78.6	5.57	253.5	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	03	23	03	119.3	4.82	255.6	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	03	23	04	169.3	5.20	255.6	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	03	23	05	28.1	4.27	256.3	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	03	23	06	87.0	4.64	255.0	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	03	23	07	63.2	6.31	255.6	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	03	23	08	85.6	6.31	254.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	03	23	09	85.6	6.86	254.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	03	23	10	87.0	6.86	254.2	5	392.0	392.0	0.0000	0.0	0.0000	0	0.00
10	03	23	11	92.7	4.27	256.3	5	490.0	490.0	0.0000	0.0	0.0000	0	0.00
10	03	23	12	71.6	6.86	257.0	5	601.0	601.0	0.0000	0.0	0.0000	0	0.00
10	03	23	13	54.8	7.79	257.6	5	706.0	706.0	0.0000	0.0	0.0000	0	0.00
10	03	23	14	56.2	5.94	258.3	5	797.0	797.0	0.0000	0.0	0.0000	0	0.00
10	03	23	15	74.4	7.05	259.5	5	868.0	868.0	0.0000	0.0	0.0000	0	0.00
10	03	23	16	103.9	5.38	259.9	5	915.0	915.0	0.0000	0.0	0.0000	0	0.00
10	03	23	17	84.2	6.86	260.7	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	03	23	18	88.4	6.86	259.5	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	03	23	19	88.4	6.31	259.5	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	03	23	20	77.2	7.24	259.5	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	03	23	21	88.4	6.86	259.5	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	03	23	22	88.4	7.05	259.5	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	03	23	23	80.0	6.86	258.9	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	03	23	24	82.9	5.01	258.9	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00

*** NOTES: STABILITY CLASS 1=A, 2=B, 3=C, 4=D, 5=E AND 6=F.
FLOW VECTOR IS DIRECTION TOWARD WHICH WIND IS BLOWING.

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:51:37
**MODELOPTs: PAGE 7
CONC RURAL ELEV FLGPOL DFAULT

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00378	(10032303)	200.00	0.00	0.00052	(10032311)
300.00	0.00	0.00034	(10032311)	400.00	0.00	0.00025	(10032311)
500.00	0.00	0.00018	(10032311)	600.00	0.00	0.00014	(10032311)
700.00	0.00	0.00011	(10032311)	800.00	0.00	0.00008	(10032311)
900.00	0.00	0.00007	(10032311)	1000.00	0.00	0.00006	(10032311)

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:51:37
**MODELOPTs: PAGE 8
CONC RURAL ELEV FLGPOL DFAULT

*** THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00277	(10032304)	200.00	0.00	0.00046	(10032316)
300.00	0.00	0.00010	(10032319)	400.00	0.00	0.00008	(10032319)
500.00	0.00	0.00006	(10032319)	600.00	0.00	0.00005	(10032319)
700.00	0.00	0.00004	(10032319)	800.00	0.00	0.00004	(10032319)
900.00	0.00	0.00003	(10032319)	1000.00	0.00	0.00003	(10032319)

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:51:37
**MODELOPTs: PAGE 9
CONC RURAL ELEV FLGPOL DFAULT

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00064	(10032324)	200.00	0.00	0.00008	(10032324)
300.00	0.00	0.00004	(10032324)	400.00	0.00	0.00003	(10032324)
500.00	0.00	0.00002	(10032324)	600.00	0.00	0.00002	(10032324)
700.00	0.00	0.00001	(10032324)	800.00	0.00	0.00001	(10032324)
900.00	0.00	0.00001	(10032324)	1000.00	0.00	0.00001	(10032324)

CONC RURAL ELEV FLGPOL DFAULT

*** THE 2ND HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00000	(00000000)	200.00	0.00	0.00000	(00000000)
300.00	0.00	0.00000	(00000000)	400.00	0.00	0.00000	(00000000)
500.00	0.00	0.00000	(00000000)	600.00	0.00	0.00000	(00000000)
700.00	0.00	0.00000	(00000000)	800.00	0.00	0.00000	(00000000)
900.00	0.00	0.00000	(00000000)	1000.00	0.00	0.00000	(00000000)

CONC RURAL ELEV FLGPOL DFAULT

*** THE MAXIMUM 50 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

** CONC OF TSP IN GRAMS/CUBIC-METER **

RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)		OF TYPE
1.	0.00378	(10032303)	AT	(100.00,	0.00)	DC
2.	0.00277	(10032304)	AT	(100.00,	0.00)	DC
3.	0.00233	(10032316)	AT	(100.00,	0.00)	DC
4.	0.00219	(10032311)	AT	(100.00,	0.00)	DC
26.	0.00009	(10032321)	AT	(300.00,	0.00)	DC
27.	0.00009	(10032322)	AT	(300.00,	0.00)	DC
28.	0.00009	(10032316)	AT	(300.00,	0.00)	DC
29.	0.00009	(10032306)	AT	(200.00,	0.00)	DC

5.	0.00079 (10032319) AT (	100.00,	0.00)	DC	30.	0.00008 (10032311) AT (	800.00,	0.00)	DC
6.	0.00072 (10032318) AT (	100.00,	0.00)	DC	31.	0.00008 (10032310) AT (	200.00,	0.00)	DC
7.	0.00072 (10032321) AT (	100.00,	0.00)	DC	32.	0.00008 (10032319) AT (	400.00,	0.00)	DC
8.	0.00070 (10032322) AT (	100.00,	0.00)	DC	33.	0.00007 (10032318) AT (	400.00,	0.00)	DC
9.	0.00052 (10032311) AT (	200.00,	0.00)	DC	34.	0.00007 (10032321) AT (	400.00,	0.00)	DC
10.	0.00051 (10032306) AT (	100.00,	0.00)	DC	35.	0.00007 (10032322) AT (	400.00,	0.00)	DC
11.	0.00046 (10032316) AT (	200.00,	0.00)	DC	36.	0.00007 (10032311) AT (	900.00,	0.00)	DC
12.	0.00041 (10032310) AT (	100.00,	0.00)	DC	37.	0.00006 (10032319) AT (	500.00,	0.00)	DC
13.	0.00034 (10032311) AT (	300.00,	0.00)	DC	38.	0.00006 (10032318) AT (	500.00,	0.00)	DC
14.	0.00025 (10032311) AT (	400.00,	0.00)	DC	39.	0.00006 (10032321) AT (	500.00,	0.00)	DC
15.	0.00018 (10032311) AT (	500.00,	0.00)	DC	40.	0.00006 (10032311) AT (	1000.00,	0.00)	DC
16.	0.00016 (10032319) AT (	200.00,	0.00)	DC	41.	0.00006 (10032322) AT (	500.00,	0.00)	DC
17.	0.00015 (10032318) AT (	200.00,	0.00)	DC	42.	0.00005 (10032319) AT (	600.00,	0.00)	DC
18.	0.00015 (10032321) AT (	200.00,	0.00)	DC	43.	0.00005 (10032306) AT (	300.00,	0.00)	DC
19.	0.00015 (10032322) AT (	200.00,	0.00)	DC	44.	0.00005 (10032310) AT (	300.00,	0.00)	DC
20.	0.00014 (10032308) AT (	100.00,	0.00)	DC	45.	0.00005 (10032318) AT (	600.00,	0.00)	DC
21.	0.00014 (10032311) AT (	600.00,	0.00)	DC	46.	0.00005 (10032321) AT (	600.00,	0.00)	DC
22.	0.00013 (10032309) AT (	100.00,	0.00)	DC	47.	0.00005 (10032322) AT (	600.00,	0.00)	DC
23.	0.00011 (10032311) AT (	700.00,	0.00)	DC	48.	0.00004 (10032319) AT (	700.00,	0.00)	DC
24.	0.00010 (10032319) AT (	300.00,	0.00)	DC	49.	0.00004 (10032318) AT (	700.00,	0.00)	DC
25.	0.00009 (10032318) AT (	300.00,	0.00)	DC	50.	0.00004 (10032321) AT (	700.00,	0.00)	DC

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

CONC RURAL ELEV FLGPOL DFAULT

*** THE MAXIMUM 50 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE

GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

** CONC OF TSP IN GRAMS/CUBIC-METER **

RANK	CONC	(YYMMDDHH) AT	RECEPTOR (XR,YR) OF TYPE	RANK	CONC	(YYMMDDHH) AT	RECEPTOR (XR,YR) OF TYPE
1.	0.00064	(10032324) AT	(100.00, 0.00) DC	26.	0.00000	(00000000) AT	(0.00, 0.00)
2.	0.00008	(10032324) AT	(200.00, 0.00) DC	27.	0.00000	(00000000) AT	(0.00, 0.00)
3.	0.00004	(10032324) AT	(300.00, 0.00) DC	28.	0.00000	(00000000) AT	(0.00, 0.00)
4.	0.00003	(10032324) AT	(400.00, 0.00) DC	29.	0.00000	(00000000) AT	(0.00, 0.00)
5.	0.00002	(10032324) AT	(500.00, 0.00) DC	30.	0.00000	(00000000) AT	(0.00, 0.00)
6.	0.00002	(10032324) AT	(600.00, 0.00) DC	31.	0.00000	(00000000) AT	(0.00, 0.00)
7.	0.00001	(10032324) AT	(700.00, 0.00) DC	32.	0.00000	(00000000) AT	(0.00, 0.00)
8.	0.00001	(10032324) AT	(800.00, 0.00) DC	33.	0.00000	(00000000) AT	(0.00, 0.00)
9.	0.00001	(10032324) AT	(900.00, 0.00) DC	34.	0.00000	(00000000) AT	(0.00, 0.00)
10.	0.00001	(10032324) AT	(1000.00, 0.00) DC	35.	0.00000	(00000000) AT	(0.00, 0.00)
11.	0.00000	(00000000) AT	(0.00, 0.00)	36.	0.00000	(00000000) AT	(0.00, 0.00)
12.	0.00000	(00000000) AT	(0.00, 0.00)	37.	0.00000	(00000000) AT	(0.00, 0.00)
13.	0.00000	(00000000) AT	(0.00, 0.00)	38.	0.00000	(00000000) AT	(0.00, 0.00)
14.	0.00000	(00000000) AT	(0.00, 0.00)	39.	0.00000	(00000000) AT	(0.00, 0.00)
15.	0.00000	(00000000) AT	(0.00, 0.00)	40.	0.00000	(00000000) AT	(0.00, 0.00)
16.	0.00000	(00000000) AT	(0.00, 0.00)	41.	0.00000	(00000000) AT	(0.00, 0.00)
17.	0.00000	(00000000) AT	(0.00, 0.00)	42.	0.00000	(00000000) AT	(0.00, 0.00)
18.	0.00000	(00000000) AT	(0.00, 0.00)	43.	0.00000	(00000000) AT	(0.00, 0.00)
19.	0.00000	(00000000) AT	(0.00, 0.00)	44.	0.00000	(00000000) AT	(0.00, 0.00)
20.	0.00000	(00000000) AT	(0.00, 0.00)	45.	0.00000	(00000000) AT	(0.00, 0.00)
21.	0.00000	(00000000) AT	(0.00, 0.00)	46.	0.00000	(00000000) AT	(0.00, 0.00)
22.	0.00000	(00000000) AT	(0.00, 0.00)	47.	0.00000	(00000000) AT	(0.00, 0.00)
23.	0.00000	(00000000) AT	(0.00, 0.00)	48.	0.00000	(00000000) AT	(0.00, 0.00)
24.	0.00000	(00000000) AT	(0.00, 0.00)	49.	0.00000	(00000000) AT	(0.00, 0.00)
25.	0.00000	(00000000) AT	(0.00, 0.00)	50.	0.00000	(00000000) AT	(0.00, 0.00)

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

CONC RURAL ELEV FLGPOL DFAULT

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

** CONC OF TSP IN GRAMS/CUBIC-METER **

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

ALL HIGH 1ST HIGH VALUE IS 0.00378 ON 10032303: AT (100.00, 0.00, 920.00, 0.00) DC
NA
HIGH 2ND HIGH VALUE IS 0.00277 ON 10032304: AT (100.00, 0.00, 920.00, 0.00) DC
NA

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:51:37
**MODELOPTs: PAGE 14
CONC RURAL ELEV FLGPOL DFAULT

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

** CONC OF TSP IN GRAMS/CUBIC-METER **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	NETWORK RECEPTOR (XR, YR, ZELEV, ZFLAG) OF TYPE GRID-ID
ALL	1ST HIGH VALUE IS 0.00064	ON 10032324	AT (100.00, 0.00, 920.00, 0.00) DC
	2ND HIGH VALUE IS 0.00000	ON 00000000	AT (0.00, 0.00, 0.00, 0.00)

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:51:37
**MODELOPTs: PAGE 15
CONC RURAL ELEV FLGPOL DFAULT

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

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

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

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

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

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

```
CO STARTING
CO TITLEONE RUN1
CO MODELOPT DFAULT CONC RURAL
CO AVERTIME  1 24
co terrhgts elev
co flagpole 0.0
CO POLLUTID TSP
CO DCAYCOEF      .00000000
CO RUNORNOT RUN
CO ERRORFIL ERRORS.LST
CO FINISHED


SO STARTING

**        SRCID  SRCTYP    XS      YS      ZS
**        ----- ------  -----   -----    -----
SO LOCATION    1    AREA     0.      0.     .0000

**        SRCID    QS      HS     XINIT   YINIT
**        -----  ----    ----   -----  -----
SO SRCPARAM     1   0.00011    0.0     100.     50.

SO EMISUNIT     1.0 (GRAMS/(SEC-M**2))          grams/cubic-meter

SO SRCGROUP ALL
SO FINISHED


RE STARTING
RE DISCCART    100.     0.  920.   0.0
RE DISCCART    200.     0.  940.   0.0
RE DISCCART    300.     0.  950.   0.0
RE DISCCART    400.     0.  945.   0.0
RE DISCCART    500.     0.  945.   0.0
RE DISCCART    600.     0.  940.   0.0
RE DISCCART    700.     0.  940.   0.0
RE DISCCART    800.     0.  935.   0.0
RE DISCCART    900.     0.  930.   0.0
RE DISCCART   1000.     0.  930.   0.0
RE FINISHED


ME STARTING
ME INPUTFIL  MAY.MET
ME ANEMHGHT     3.0 METERS
ME SURFDATA  99999   2010          SURFNAME
ME UAIRDATA  99999   2010          UAIRNAME
ME WINDCATS    1.54    3.09    5.14    8.23   10.80
ME FINISHED
```

OU STARTING
OU RECTABLE ALLAVE FIRST SECOND
OU MAXTABLE ALLAVE 50
OU FINISHED

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

CONC RURAL ELEV FLGPOL DFAULT

*** MODEL SETUP OPTIONS SUMMARY ***

- -

**Intermediate Terrain Processing is Selected

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

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

**Model Uses RURAL Dispersion.

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

**Model Accepts Receptors on ELEV Terrain.

**Model Accepts FLAGPOLE Receptor Heights.

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

**This Run Includes: 1 Source(s); 1 Source Group(s); and 10 Receptor(s)

**The Model Assumes A Pollutant Type of: TSP

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

**Output Options Selected:

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs Tables of Overall Maximum Short Term Values (MAXTABLE Keyword)

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

**Misc. Inputs: Anem. Hgt. (m) = 3.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = (GRAMS/(SEC-M**2)) ; Emission Rate Unit Factor = 1.0000
Output Units = GRAMS/CUBIC-METER

**Approximate Storage Requirements of Model = 1.2 MB of RAM.

**Input Runstream File: MONTHLY.INP
**Output Print File: MAY.OUT
**Detailed Error/Message File: ERRORS.LST
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:53:19
**MODELOPTs: PAGE 2
CONC RURAL ELEV FLGPOL DFAULT

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (USER UNITS /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	EMISSION RATE SCALAR VARY BY
1	0	0.11000E-03	0.0	0.0	0.0	0.00	100.00	50.00	0.00	0.00	

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:53:19
**MODELOPTs: PAGE 3
CONC RURAL ELEV FLGPOL DFAULT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	1 ,

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:53:19
**MODELOPTs: PAGE 4
CONC RURAL ELEV FLGPOL DFAULT

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

```
   (    100.0,       0.0,     920.0,       0.0);         (    200.0,       0.0,     940.0,       0.0);
   (    300.0,       0.0,     950.0,       0.0);         (    400.0,       0.0,     945.0,       0.0);
   (    500.0,       0.0,     945.0,       0.0);         (    600.0,       0.0,     940.0,       0.0);
   (    700.0,       0.0,     940.0,       0.0);         (    800.0,       0.0,     935.0,       0.0);
   (    900.0,       0.0,     930.0,       0.0);         (   1000.0,       0.0,     930.0,       0.0);
```


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

```
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
```

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

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

1.54,   3.09,   5.14,   8.23, 10.80,

*** WIND PROFILE EXPONENTS ***

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

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

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

CONC RURAL ELEV FLGPOL DFAULT

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

FILE: MAY.MET
FORMAT: (4I2,2F9.4,F6.1,I2,2F7.1,f9.4,f10.1,f8.4,i4,f7.2)
SURFACE STATION NO.: 99999 UPPER AIR STATION NO.: 99999
NAME: SURFNAME NAME: UAIRNAME
YEAR: 2010 YEAR: 2010

YR	MN	DY	HR	FLOW VECTOR	SPEED (M/S)	TEMP (K)	STAB CLASS	MIXING HEIGHT (M) RURAL	MIXING HEIGHT (M) URBAN	USTAR (M/S)	M-O LENGTH (M)	Z-0 (M)	IPCODE	PRATE (mm/HR)
09	05	20	01	105.3	3.71	279.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09	05	20	02	112.3	3.90	279.6	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09	05	20	03	99.7	3.53	278.4	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09	05	20	04	92.7	3.34	278.0	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09	05	20	05	99.7	2.97	278.4	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09	05	20	06	99.7	3.15	278.0	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09	05	20	07	120.7	2.60	278.8	6	192.0	192.0	0.0000	0.0	0.0000	0	0.00
09	05	20	08	92.7	2.41	280.8	6	332.0	332.0	0.0000	0.0	0.0000	0	0.00
09	05	20	09	98.3	2.04	280.0	6	488.0	488.0	0.0000	0.0	0.0000	0	0.00
09	05	20	10	94.1	1.48	280.8	5	646.0	646.0	0.0000	0.0	0.0000	0	0.00
09	05	20	11	80.0	1.30	281.6	5	799.0	799.0	0.0000	0.0	0.0000	0	0.00
09	05	20	12	342.6	1.11	281.4	5	942.0	942.0	0.0000	0.0	0.0000	0	0.00
09	05	20	13	9.8	1.86	282.4	5	1073.0	1073.0	0.0000	0.0	0.0000	0	0.00
09	05	20	14	92.7	2.60	282.4	5	1191.0	1191.0	0.0000	0.0	0.0000	0	0.00
09	05	20	15	57.6	1.86	283.2	5	1291.0	1291.0	0.0000	0.0	0.0000	0	0.00
09	05	20	16	328.5	1.11	284.4	5	1375.0	1375.0	0.0000	0.0	0.0000	0	0.00
09	05	20	17	116.5	1.48	284.8	6	1439.0	1439.0	0.0000	0.0	0.0000	0	0.00
09	05	20	18	68.8	2.23	284.4	6	1483.0	1483.0	0.0000	0.0	0.0000	0	0.00
09	05	20	19	96.9	1.67	284.8	6	1507.0	1507.0	0.0000	0.0	0.0000	0	0.00
09	05	20	20	78.6	1.86	284.4	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09	05	20	21	96.9	2.04	284.4	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09	05	20	22	102.5	2.23	283.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09	05	20	23	84.2	1.30	283.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09	05	20	24	87.0	1.86	281.6	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00

*** NOTES: STABILITY CLASS 1=A, 2=B, 3=C, 4=D, 5=E AND 6=F.
FLOW VECTOR IS DIRECTION TOWARD WHICH WIND IS BLOWING.

CONC RURAL ELEV FLGPOL DFAULT

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00812	(09052017)	200.00	0.00	0.00167	(09052019)
300.00	0.00	0.00106	(09052019)	400.00	0.00	0.00060	(09052019)
500.00	0.00	0.00041	(09052008)	600.00	0.00	0.00032	(09052008)
700.00	0.00	0.00025	(09052008)	800.00	0.00	0.00020	(09052008)
900.00	0.00	0.00016	(09052008)	1000.00	0.00	0.00013	(09052008)

CONC RURAL ELEV FLGPOL DFAULT

*** THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00700	(09052019)	200.00	0.00	0.00137	(09052009)
300.00	0.00	0.00086	(09052021)	400.00	0.00	0.00051	(09052008)
500.00	0.00	0.00034	(09052010)	600.00	0.00	0.00024	(09052010)
700.00	0.00	0.00018	(09052004)	800.00	0.00	0.00014	(09052004)
900.00	0.00	0.00012	(09052004)	1000.00	0.00	0.00009	(09052004)

CONC RURAL ELEV FLGPOL DFAULT

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00286	(09052024)	200.00	0.00	0.00053	(09052024)
300.00	0.00	0.00028	(09052024)	400.00	0.00	0.00014	(09052024)
500.00	0.00	0.00008	(09052024)	600.00	0.00	0.00005	(09052024)
700.00	0.00	0.00004	(09052024)	800.00	0.00	0.00003	(09052024)
900.00	0.00	0.00002	(09052024)	1000.00	0.00	0.00002	(09052024)

CONC RURAL ELEV FLGPOL DFAULT

*** THE 2ND HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00000	(00000000)	200.00	0.00	0.00000	(00000000)
300.00	0.00	0.00000	(00000000)	400.00	0.00	0.00000	(00000000)
500.00	0.00	0.00000	(00000000)	600.00	0.00	0.00000	(00000000)
700.00	0.00	0.00000	(00000000)	800.00	0.00	0.00000	(00000000)
900.00	0.00	0.00000	(00000000)	1000.00	0.00	0.00000	(00000000)

CONC RURAL ELEV FLGPOL DFAULT

*** THE MAXIMUM 50 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

** CONC OF TSP IN GRAMS/CUBIC-METER **

RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)	OF TYPE
1.	0.00812	(09052017)	AT	(100.00, 0.00)	DC
2.	0.00700	(09052019)	AT	(100.00, 0.00)	DC
3.	0.00576	(09052009)	AT	(100.00, 0.00)	DC
4.	0.00573	(09052021)	AT	(100.00, 0.00)	DC
26.	0.00082	(09052024)	AT	(100.00, 0.00)	DC
27.	0.00080	(09052009)	AT	(300.00, 0.00)	DC
28.	0.00079	(09052003)	AT	(200.00, 0.00)	DC
29.	0.00074	(09052004)	AT	(200.00, 0.00)	DC

5.	0.00530 (09052022) AT (	100.00,	0.00)	DC	30.	0.00070 (09052010) AT (	300.00,	0.00)	DC
6.	0.00461 (09052010) AT (	100.00,	0.00)	DC	31.	0.00067 (09052008) AT (	300.00,	0.00)	DC
7.	0.00448 (09052007) AT (	100.00,	0.00)	DC	32.	0.00063 (09052001) AT (	200.00,	0.00)	DC
8.	0.00411 (09052008) AT (	100.00,	0.00)	DC	33.	0.00060 (09052019) AT (	400.00,	0.00)	DC
9.	0.00396 (09052005) AT (	100.00,	0.00)	DC	34.	0.00055 (09052014) AT (	200.00,	0.00)	DC
10.	0.00373 (09052006) AT (	100.00,	0.00)	DC	35.	0.00051 (09052008) AT (	400.00,	0.00)	DC
11.	0.00333 (09052003) AT (	100.00,	0.00)	DC	36.	0.00049 (09052021) AT (	400.00,	0.00)	DC
12.	0.00320 (09052001) AT (	100.00,	0.00)	DC	37.	0.00049 (09052010) AT (	400.00,	0.00)	DC
13.	0.00308 (09052002) AT (	100.00,	0.00)	DC	38.	0.00049 (09052004) AT (	300.00,	0.00)	DC
14.	0.00297 (09052004) AT (	100.00,	0.00)	DC	39.	0.00047 (09052005) AT (	300.00,	0.00)	DC
15.	0.00232 (09052014) AT (	100.00,	0.00)	DC	40.	0.00044 (09052006) AT (	300.00,	0.00)	DC
16.	0.00167 (09052019) AT (	200.00,	0.00)	DC	41.	0.00041 (09052008) AT (	500.00,	0.00)	DC
17.	0.00137 (09052009) AT (	200.00,	0.00)	DC	42.	0.00040 (09052003) AT (	300.00,	0.00)	DC
18.	0.00137 (09052021) AT (	200.00,	0.00)	DC	43.	0.00037 (09052004) AT (	400.00,	0.00)	DC
19.	0.00121 (09052022) AT (	200.00,	0.00)	DC	44.	0.00036 (09052014) AT (	300.00,	0.00)	DC
20.	0.00110 (09052010) AT (	200.00,	0.00)	DC	45.	0.00034 (09052010) AT (	500.00,	0.00)	DC
21.	0.00106 (09052019) AT (	300.00,	0.00)	DC	46.	0.00033 (09052009) AT (	400.00,	0.00)	DC
22.	0.00102 (09052008) AT (	200.00,	0.00)	DC	47.	0.00032 (09052008) AT (	600.00,	0.00)	DC
23.	0.00094 (09052005) AT (	200.00,	0.00)	DC	48.	0.00029 (09052004) AT (	500.00,	0.00)	DC
24.	0.00089 (09052006) AT (	200.00,	0.00)	DC	49.	0.00029 (09052022) AT (	300.00,	0.00)	DC
25.	0.00086 (09052021) AT (	300.00,	0.00)	DC	50.	0.00028 (09052019) AT (	500.00,	0.00)	DC

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

CONC RURAL ELEV FLGPOL DFAULT

*** THE MAXIMUM 50 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE

GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

** CONC OF TSP IN GRAMS/CUBIC-METER **

RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)	OF TYPE	RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)	OF TYPE
1.	0.00286	(09052024)	AT (	100.00, 0.00)	DC	26.	0.00000	(00000000)	AT (	0.00, 0.00)	
2.	0.00053	(09052024)	AT (	200.00, 0.00)	DC	27.	0.00000	(00000000)	AT (	0.00, 0.00)	
3.	0.00028	(09052024)	AT (	300.00, 0.00)	DC	28.	0.00000	(00000000)	AT (	0.00, 0.00)	
4.	0.00014	(09052024)	AT (	400.00, 0.00)	DC	29.	0.00000	(00000000)	AT (	0.00, 0.00)	
5.	0.00008	(09052024)	AT (	500.00, 0.00)	DC	30.	0.00000	(00000000)	AT (	0.00, 0.00)	
6.	0.00005	(09052024)	AT (	600.00, 0.00)	DC	31.	0.00000	(00000000)	AT (	0.00, 0.00)	
7.	0.00004	(09052024)	AT (	700.00, 0.00)	DC	32.	0.00000	(00000000)	AT (	0.00, 0.00)	
8.	0.00003	(09052024)	AT (	800.00, 0.00)	DC	33.	0.00000	(00000000)	AT (	0.00, 0.00)	
9.	0.00002	(09052024)	AT (	900.00, 0.00)	DC	34.	0.00000	(00000000)	AT (	0.00, 0.00)	
10.	0.00002	(09052024)	AT (	1000.00, 0.00)	DC	35.	0.00000	(00000000)	AT (	0.00, 0.00)	
11.	0.00000	(00000000)	AT (	0.00, 0.00)		36.	0.00000	(00000000)	AT (	0.00, 0.00)	
12.	0.00000	(00000000)	AT (	0.00, 0.00)		37.	0.00000	(00000000)	AT (	0.00, 0.00)	
13.	0.00000	(00000000)	AT (	0.00, 0.00)		38.	0.00000	(00000000)	AT (	0.00, 0.00)	
14.	0.00000	(00000000)	AT (	0.00, 0.00)		39.	0.00000	(00000000)	AT (	0.00, 0.00)	
15.	0.00000	(00000000)	AT (	0.00, 0.00)		40.	0.00000	(00000000)	AT (	0.00, 0.00)	
16.	0.00000	(00000000)	AT (	0.00, 0.00)		41.	0.00000	(00000000)	AT (	0.00, 0.00)	
17.	0.00000	(00000000)	AT (	0.00, 0.00)		42.	0.00000	(00000000)	AT (	0.00, 0.00)	
18.	0.00000	(00000000)	AT (	0.00, 0.00)		43.	0.00000	(00000000)	AT (	0.00, 0.00)	
19.	0.00000	(00000000)	AT (	0.00, 0.00)		44.	0.00000	(00000000)	AT (	0.00, 0.00)	
20.	0.00000	(00000000)	AT (	0.00, 0.00)		45.	0.00000	(00000000)	AT (	0.00, 0.00)	
21.	0.00000	(00000000)	AT (	0.00, 0.00)		46.	0.00000	(00000000)	AT (	0.00, 0.00)	
22.	0.00000	(00000000)	AT (	0.00, 0.00)		47.	0.00000	(00000000)	AT (	0.00, 0.00)	
23.	0.00000	(00000000)	AT (	0.00, 0.00)		48.	0.00000	(00000000)	AT (	0.00, 0.00)	
24.	0.00000	(00000000)	AT (	0.00, 0.00)		49.	0.00000	(00000000)	AT (	0.00, 0.00)	
25.	0.00000	(00000000)	AT (	0.00, 0.00)		50.	0.00000	(00000000)	AT (	0.00, 0.00)	

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

CONC RURAL ELEV FLGPOL DFAULT

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

** CONC OF TSP IN GRAMS/CUBIC-METER **

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

ALL HIGH 1ST HIGH VALUE IS 0.00812 ON 09052017: AT (100.00, 0.00, 920.00, 0.00) DC NA
HIGH 2ND HIGH VALUE IS 0.00700 ON 09052019: AT (100.00, 0.00, 920.00, 0.00) DC NA

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:53:19
**MODELOPTs: PAGE 14
CONC RURAL ELEV FLGPOL DFAULT

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

** CONC OF TSP IN GRAMS/CUBIC-METER **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	NETWORK RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	0.00286	ON 09052024: AT (100.00, 0.00, 920.00, 0.00)	DC NA
	HIGH 2ND HIGH VALUE IS	0.00000	ON 00000000: AT (0.00, 0.00, 0.00, 0.00)	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:53:19
**MODELOPTs: PAGE 15
CONC RURAL ELEV FLGPOL DFAULT

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

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

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

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

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

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

```
CO STARTING
CO TITLEONE RUN1
CO MODELOPT DFAULT CONC RURAL
CO AVERTIME  1 24
co terrhgts elev
co flagpole 0.0
CO POLLUTID TSP
CO DCAYCOEF      .00000000
CO RUNORNOT RUN
CO ERRORFIL ERRORS.LST
CO FINISHED


SO STARTING

**        SRCID  SRCTYP    XS      YS      ZS
**        ----- ------  -----   -----    -----
SO LOCATION    1    AREA     0.      0.     .0000

**        SRCID    QS      HS     XINIT   YINIT
**        -----  ----    ----   -----  -----
SO SRCPARAM     1   0.00010    0.0     100.     50.

SO EMISUNIT     1.0 (GRAMS/(SEC-M**2))          grams/cubic-meter

SO SRCGROUP ALL
SO FINISHED


RE STARTING
RE DISCCART    100.     0.  920.   0.0
RE DISCCART    200.     0.  940.   0.0
RE DISCCART    300.     0.  950.   0.0
RE DISCCART    400.     0.  945.   0.0
RE DISCCART    500.     0.  945.   0.0
RE DISCCART    600.     0.  940.   0.0
RE DISCCART    700.     0.  940.   0.0
RE DISCCART    800.     0.  935.   0.0
RE DISCCART    900.     0.  930.   0.0
RE DISCCART   1000.     0.  930.   0.0
RE FINISHED


ME STARTING
ME INPUTFIL  NOV.MET
ME ANEMHGHT     3.0 METERS
ME SURFDATA  99999   2010          SURFNAME
ME UAIRDATA  99999   2010          UAIRNAME
ME WINDCATS    1.54    3.09    5.14    8.23   10.80
ME FINISHED
```

OU STARTING
OU RECTABLE ALLAVE FIRST SECOND
OU MAXTABLE ALLAVE 50
OU FINISHED

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

*** ISCST3 - VERSION 02035 *** *** RUN1 *** *** 09/10/10
*** *** 09:54:12
**MODELOPTs: PAGE 1
CONC RURAL ELEV FLGPOL DFAULT

*** MODEL SETUP OPTIONS SUMMARY ***

**Intermediate Terrain Processing is Selected

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

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

**Model Uses RURAL Dispersion.

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

**Model Accepts Receptors on ELEV Terrain.

**Model Accepts FLAGPOLE Receptor Heights.

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

**This Run Includes: 1 Source(s); 1 Source Group(s); and 10 Receptor(s)

**The Model Assumes A Pollutant Type of: TSP

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

**Output Options Selected:

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs Tables of Overall Maximum Short Term Values (MAXTABLE Keyword)

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

**Misc. Inputs: Anem. Hgt. (m) = 3.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = (GRAMS/(SEC-M**2)) ; Emission Rate Unit Factor = 1.0000
Output Units = GRAMS/CUBIC-METER

**Approximate Storage Requirements of Model = 1.2 MB of RAM.

**Input Runstream File: MONTHLY.INP
**Output Print File: NOV.OUT
**Detailed Error/Message File: ERRORS.LST
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:54:12
**MODELOPTs: PAGE 2
CONC RURAL ELEV FLGPOL DFAULT

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (USER UNITS /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	EMISSION RATE SCALAR VARY BY
1	0	0.10000E-03	0.0	0.0	0.0	0.00	100.00	50.00	0.00	0.00	

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:54:12
**MODELOPTs: PAGE 3
CONC RURAL ELEV FLGPOL DFAULT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	1 ,

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:54:12
**MODELOPTs: PAGE 4
CONC RURAL ELEV FLGPOL DFAULT

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

(100.0, 0.0, 920.0, 0.0); (200.0, 0.0, 940.0, 0.0);
(300.0, 0.0, 950.0, 0.0); (400.0, 0.0, 945.0, 0.0);
(500.0, 0.0, 945.0, 0.0); (600.0, 0.0, 940.0, 0.0);
(700.0, 0.0, 940.0, 0.0); (800.0, 0.0, 935.0, 0.0);
(900.0, 0.0, 930.0, 0.0); (1000.0, 0.0, 930.0, 0.0);

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

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

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

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

1.54, 3.09, 5.14, 8.23, 10.80,

*** WIND PROFILE EXPONENTS ***

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

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

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

CONC RURAL ELEV FLGPOL DFAULT

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

FILE: NOV.MET
FORMAT: (4I2,2F9.4,F6.1,I2,2F7.1,f9.4,f10.1,f8.4,i4,f7.2)
SURFACE STATION NO.: 99999 UPPER AIR STATION NO.: 99999
NAME: SURFNAME NAME: UAIRNAME
YEAR: 2010 YEAR: 2010

YR	MN	DY	HR	FLOW VECTOR	SPEED (M/S)	TEMP (K)	STAB CLASS	MIXING HEIGHT (M) RURAL	MIXING HEIGHT (M) URBAN	USTAR (M/S)	M-O LENGTH (M)	Z-0 (M)	IPCODE	PRATE (mm/HR)
08	11	03	01	70.2	2.04	266.7	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	11	03	02	80.0	1.86	267.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	11	03	03	87.0	2.97	266.7	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	11	03	04	89.9	2.41	267.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	11	03	05	94.1	2.97	267.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	11	03	06	91.3	2.41	267.7	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	11	03	07	98.3	3.71	268.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	11	03	08	60.4	1.86	268.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	11	03	09	98.3	2.23	268.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	11	03	10	77.2	1.86	268.7	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	11	03	11	92.7	2.78	268.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	11	03	12	81.4	2.97	268.7	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	11	03	13	88.4	2.60	268.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	11	03	14	115.1	0.93	268.7	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	11	03	15	87.0	1.48	268.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	11	03	16	106.7	1.48	268.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	11	03	17	81.4	1.48	268.7	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	11	03	18	77.2	1.11	268.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	11	03	19	91.3	1.48	268.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	11	03	20	102.5	0.93	268.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	11	03	21	162.9	0.19	268.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	11	03	22	124.9	3.34	268.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	11	03	23	146.0	2.78	268.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	11	03	24	119.3	1.86	267.7	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00

*** NOTES: STABILITY CLASS 1=A, 2=B, 3=C, 4=D, 5=E AND 6=F.
FLOW VECTOR IS DIRECTION TOWARD WHICH WIND IS BLOWING.

CONC RURAL ELEV FLGPOL DFAULT

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.01095	(08110314)	200.00	0.00	0.00246	(08110320)
300.00	0.00	0.00081	(08110319)	400.00	0.00	0.00062	(08110319)
500.00	0.00	0.00051	(08110319)	600.00	0.00	0.00042	(08110319)
700.00	0.00	0.00036	(08110319)	800.00	0.00	0.00030	(08110319)
900.00	0.00	0.00026	(08110319)	1000.00	0.00	0.00022	(08110319)

CONC RURAL ELEV FLGPOL DFAULT

*** THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.01074	(08110320)	200.00	0.00	0.00125	(08110316)
300.00	0.00	0.00067	(08110309)	400.00	0.00	0.00041	(08110311)
500.00	0.00	0.00032	(08110311)	600.00	0.00	0.00026	(08110306)
700.00	0.00	0.00022	(08110306)	800.00	0.00	0.00019	(08110306)
900.00	0.00	0.00016	(08110306)	1000.00	0.00	0.00014	(08110306)

CONC RURAL ELEV FLGPOL DFAULT

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00319	(08110324)	200.00	0.00	0.00044	(08110324)
300.00	0.00	0.00020	(08110324)	400.00	0.00	0.00011	(08110324)
500.00	0.00	0.00008	(08110324)	600.00	0.00	0.00006	(08110324)
700.00	0.00	0.00005	(08110324)	800.00	0.00	0.00004	(08110324)
900.00	0.00	0.00003	(08110324)	1000.00	0.00	0.00003	(08110324)

CONC RURAL ELEV FLGPOL DFAULT

*** THE 2ND HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00000	(00000000)	200.00	0.00	0.00000	(00000000)
300.00	0.00	0.00000	(00000000)	400.00	0.00	0.00000	(00000000)
500.00	0.00	0.00000	(00000000)	600.00	0.00	0.00000	(00000000)
700.00	0.00	0.00000	(00000000)	800.00	0.00	0.00000	(00000000)
900.00	0.00	0.00000	(00000000)	1000.00	0.00	0.00000	(00000000)

CONC RURAL ELEV FLGPOL DFAULT

*** THE MAXIMUM 50 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

** CONC OF TSP IN GRAMS/CUBIC-METER **

RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)		OF TYPE
1.	0.01095	(08110314)	AT	(100.00,	0.00)	DC
2.	0.01074	(08110320)	AT	(100.00,	0.00)	DC
3.	0.00854	(08110321)	AT	(100.00,	0.00)	DC
4.	0.00730	(08110316)	AT	(100.00,	0.00)	DC
26.	0.00067	(08110309)	AT	(300.00,	0.00)	DC
27.	0.00062	(08110319)	AT	(400.00,	0.00)	DC
28.	0.00059	(08110320)	AT	(300.00,	0.00)	DC
29.	0.00054	(08110305)	AT	(300.00,	0.00)	DC

5.	0.00577 (08110324)	AT (	100.00,	0.00)	DC	30.	0.00053 (08110311)	AT (	300.00,	0.00)	DC
6.	0.00495 (08110319)	AT (	100.00,	0.00)	DC	31.	0.00051 (08110319)	AT (	500.00,	0.00)	DC
7.	0.00479 (08110309)	AT (	100.00,	0.00)	DC	32.	0.00051 (08110304)	AT (	200.00,	0.00)	DC
8.	0.00337 (08110305)	AT (	100.00,	0.00)	DC	33.	0.00050 (08110306)	AT (	300.00,	0.00)	DC
9.	0.00324 (08110311)	AT (	100.00,	0.00)	DC	34.	0.00046 (08110303)	AT (	100.00,	0.00)	DC
10.	0.00323 (08110323)	AT (	100.00,	0.00)	DC	35.	0.00042 (08110319)	AT (	600.00,	0.00)	DC
11.	0.00306 (08110322)	AT (	100.00,	0.00)	DC	36.	0.00041 (08110311)	AT (	400.00,	0.00)	DC
12.	0.00304 (08110306)	AT (	100.00,	0.00)	DC	37.	0.00040 (08110307)	AT (	300.00,	0.00)	DC
13.	0.00288 (08110307)	AT (	100.00,	0.00)	DC	38.	0.00040 (08110305)	AT (	400.00,	0.00)	DC
14.	0.00246 (08110320)	AT (	200.00,	0.00)	DC	39.	0.00038 (08110306)	AT (	400.00,	0.00)	DC
15.	0.00215 (08110304)	AT (	100.00,	0.00)	DC	40.	0.00036 (08110319)	AT (	700.00,	0.00)	DC
16.	0.00125 (08110316)	AT (	200.00,	0.00)	DC	41.	0.00033 (08110304)	AT (	300.00,	0.00)	DC
17.	0.00123 (08110319)	AT (	200.00,	0.00)	DC	42.	0.00032 (08110311)	AT (	500.00,	0.00)	DC
18.	0.00114 (08110309)	AT (	200.00,	0.00)	DC	43.	0.00031 (08110306)	AT (	500.00,	0.00)	DC
19.	0.00112 (08110313)	AT (	100.00,	0.00)	DC	44.	0.00030 (08110319)	AT (	800.00,	0.00)	DC
20.	0.00093 (08110315)	AT (	100.00,	0.00)	DC	45.	0.00030 (08110314)	AT (	200.00,	0.00)	DC
21.	0.00082 (08110305)	AT (	200.00,	0.00)	DC	46.	0.00029 (08110305)	AT (	500.00,	0.00)	DC
22.	0.00081 (08110319)	AT (	300.00,	0.00)	DC	47.	0.00028 (08110309)	AT (	400.00,	0.00)	DC
23.	0.00081 (08110311)	AT (	200.00,	0.00)	DC	48.	0.00026 (08110306)	AT (	600.00,	0.00)	DC
24.	0.00076 (08110306)	AT (	200.00,	0.00)	DC	49.	0.00026 (08110319)	AT (	900.00,	0.00)	DC
25.	0.00068 (08110307)	AT (	200.00,	0.00)	DC	50.	0.00025 (08110311)	AT (	600.00,	0.00)	DC

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

CONC RURAL ELEV FLGPOL DFAULT

*** THE MAXIMUM 50 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE

GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

** CONC OF TSP IN GRAMS/CUBIC-METER **

RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)	OF TYPE	RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)	OF TYPE
1.	0.00319	(08110324)	AT	(100.00, 0.00)	DC	26.	0.00000	(00000000)	AT	(0.00, 0.00)	
2.	0.00044	(08110324)	AT	(200.00, 0.00)	DC	27.	0.00000	(00000000)	AT	(0.00, 0.00)	
3.	0.00020	(08110324)	AT	(300.00, 0.00)	DC	28.	0.00000	(00000000)	AT	(0.00, 0.00)	
4.	0.00011	(08110324)	AT	(400.00, 0.00)	DC	29.	0.00000	(00000000)	AT	(0.00, 0.00)	
5.	0.00008	(08110324)	AT	(500.00, 0.00)	DC	30.	0.00000	(00000000)	AT	(0.00, 0.00)	
6.	0.00006	(08110324)	AT	(600.00, 0.00)	DC	31.	0.00000	(00000000)	AT	(0.00, 0.00)	
7.	0.00005	(08110324)	AT	(700.00, 0.00)	DC	32.	0.00000	(00000000)	AT	(0.00, 0.00)	
8.	0.00004	(08110324)	AT	(800.00, 0.00)	DC	33.	0.00000	(00000000)	AT	(0.00, 0.00)	
9.	0.00003	(08110324)	AT	(900.00, 0.00)	DC	34.	0.00000	(00000000)	AT	(0.00, 0.00)	
10.	0.00003	(08110324)	AT	(1000.00, 0.00)	DC	35.	0.00000	(00000000)	AT	(0.00, 0.00)	
11.	0.00000	(00000000)	AT	(0.00, 0.00)		36.	0.00000	(00000000)	AT	(0.00, 0.00)	
12.	0.00000	(00000000)	AT	(0.00, 0.00)		37.	0.00000	(00000000)	AT	(0.00, 0.00)	
13.	0.00000	(00000000)	AT	(0.00, 0.00)		38.	0.00000	(00000000)	AT	(0.00, 0.00)	
14.	0.00000	(00000000)	AT	(0.00, 0.00)		39.	0.00000	(00000000)	AT	(0.00, 0.00)	
15.	0.00000	(00000000)	AT	(0.00, 0.00)		40.	0.00000	(00000000)	AT	(0.00, 0.00)	
16.	0.00000	(00000000)	AT	(0.00, 0.00)		41.	0.00000	(00000000)	AT	(0.00, 0.00)	
17.	0.00000	(00000000)	AT	(0.00, 0.00)		42.	0.00000	(00000000)	AT	(0.00, 0.00)	
18.	0.00000	(00000000)	AT	(0.00, 0.00)		43.	0.00000	(00000000)	AT	(0.00, 0.00)	
19.	0.00000	(00000000)	AT	(0.00, 0.00)		44.	0.00000	(00000000)	AT	(0.00, 0.00)	
20.	0.00000	(00000000)	AT	(0.00, 0.00)		45.	0.00000	(00000000)	AT	(0.00, 0.00)	
21.	0.00000	(00000000)	AT	(0.00, 0.00)		46.	0.00000	(00000000)	AT	(0.00, 0.00)	
22.	0.00000	(00000000)	AT	(0.00, 0.00)		47.	0.00000	(00000000)	AT	(0.00, 0.00)	
23.	0.00000	(00000000)	AT	(0.00, 0.00)		48.	0.00000	(00000000)	AT	(0.00, 0.00)	
24.	0.00000	(00000000)	AT	(0.00, 0.00)		49.	0.00000	(00000000)	AT	(0.00, 0.00)	
25.	0.00000	(00000000)	AT	(0.00, 0.00)		50.	0.00000	(00000000)	AT	(0.00, 0.00)	

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

CONC RURAL ELEV FLGPOL DFAULT

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

** CONC OF TSP IN GRAMS/CUBIC-METER **

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

ALL HIGH 1ST HIGH VALUE IS 0.01095 ON 08110314: AT (100.00, 0.00, 920.00, 0.00) DC
NA
HIGH 2ND HIGH VALUE IS 0.01074 ON 08110320: AT (100.00, 0.00, 920.00, 0.00) DC
NA

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:54:12
**MODELOPTs: PAGE 14
CONC RURAL ELEV FLGPOL DFAULT

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

** CONC OF TSP IN GRAMS/CUBIC-METER **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	NETWORK RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE GRID-ID
ALL	1ST HIGH VALUE IS	0.00319	ON 08110324: AT (100.00, 0.00, 920.00, 0.00)	DC
	2ND HIGH VALUE IS	0.00000	ON 00000000: AT (0.00, 0.00, 0.00, 0.00)	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:54:12
**MODELOPTs: PAGE 15
CONC RURAL ELEV FLGPOL DFAULT

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

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

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

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

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

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

```
CO STARTING
CO TITLEONE RUN1
CO MODELOPT DFAULT CONC RURAL
CO AVERTIME  1 24
co terrhgts elev
co flagpole 0.0
CO POLLUTID TSP
CO DCAYCOEF      .00000000
CO RUNORNOT RUN
CO ERRORFIL ERRORS.LST
CO FINISHED


SO STARTING

**       SRCID  SRCTYP    XS      YS      ZS
**       ----- ------  -----   -----    -----
SO LOCATION    1    AREA     0.      0.     .0000

**       SRCID    QS      HS     XINIT   YINIT
**       -----  ----    ----   -----  -----
SO SRCPARAM     1   0.00013    0.0     100.     50.

SO EMISUNIT     1.0 (GRAMS/(SEC-M**2))          grams/cubic-meter

SO SRCGROUP ALL
SO FINISHED


RE STARTING
RE DISCCART    100.     0.  920.   0.0
RE DISCCART    200.     0.  940.   0.0
RE DISCCART    300.     0.  950.   0.0
RE DISCCART    400.     0.  945.   0.0
RE DISCCART    500.     0.  945.   0.0
RE DISCCART    600.     0.  940.   0.0
RE DISCCART    700.     0.  940.   0.0
RE DISCCART    800.     0.  935.   0.0
RE DISCCART    900.     0.  930.   0.0
RE DISCCART   1000.     0.  930.   0.0
RE FINISHED


ME STARTING
ME INPUTFIL  OCT.MET
ME ANEMHGHT     3.0 METERS
ME SURFDATA  99999   2010          SURFNAME
ME UAIRDATA  99999   2010          UAIRNAME
ME WINDCATS    1.54    3.09    5.14    8.23   10.80
ME FINISHED
```

OU STARTING
OU RECTABLE ALLAVE FIRST SECOND
OU MAXTABLE ALLAVE 50
OU FINISHED

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

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:55:10
**MODELOPTs: PAGE 1
CONC RURAL ELEV FLGPOL DFAULT

*** MODEL SETUP OPTIONS SUMMARY ***

**Intermediate Terrain Processing is Selected

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

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

**Model Uses RURAL Dispersion.

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

**Model Accepts Receptors on ELEV Terrain.

**Model Accepts FLAGPOLE Receptor Heights.

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

**This Run Includes: 1 Source(s); 1 Source Group(s); and 10 Receptor(s)

**The Model Assumes A Pollutant Type of: TSP

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

**Output Options Selected:

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs Tables of Overall Maximum Short Term Values (MAXTABLE Keyword)

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

**Misc. Inputs: Anem. Hgt. (m) = 3.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = (GRAMS/(SEC-M**2)) ; Emission Rate Unit Factor = 1.0000
Output Units = GRAMS/CUBIC-METER

**Approximate Storage Requirements of Model = 1.2 MB of RAM.

**Input Runstream File: MONTHLY.INP
**Output Print File: OCT.OUT
**Detailed Error/Message File: ERRORS.LST
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:55:10
**MODELOPTs: PAGE 2
CONC RURAL ELEV FLGPOL DFAULT

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (USER UNITS /METER**2)	COORD (SW CORNER) X (METERS)	COORD (SW CORNER) Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	EMISSION RATE SCALAR VARY BY
1	0	0.13000E-03	0.0	0.0	0.0	0.00	100.00	50.00	0.00	0.00	

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:55:10
**MODELOPTs: PAGE 3
CONC RURAL ELEV FLGPOL DFAULT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	1 ,

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:55:10
**MODELOPTs: PAGE 4
CONC RURAL ELEV FLGPOL DFAULT

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

(100.0, 0.0, 920.0, 0.0); (200.0, 0.0, 940.0, 0.0);
(300.0, 0.0, 950.0, 0.0); (400.0, 0.0, 945.0, 0.0);
(500.0, 0.0, 945.0, 0.0); (600.0, 0.0, 940.0, 0.0);
(700.0, 0.0, 940.0, 0.0); (800.0, 0.0, 935.0, 0.0);
(900.0, 0.0, 930.0, 0.0); (1000.0, 0.0, 930.0, 0.0);

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

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

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

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

1.54, 3.09, 5.14, 8.23, 10.80,

*** WIND PROFILE EXPONENTS ***

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

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

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

CONC RURAL ELEV FLGPOL DFAULT

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

FILE: OCT.MET
FORMAT: (4I2,2F9.4,F6.1,I2,2F7.1,f9.4,f10.1,f8.4,i4,f7.2)
SURFACE STATION NO.: 99999 UPPER AIR STATION NO.: 99999
NAME: SURFNAME NAME: UAIRNAME
YEAR: 2010 YEAR: 2010

YR	MN	DY	HR	FLOW VECTOR	SPEED (M/S)	TEMP (K)	STAB CLASS	MIXING HEIGHT (M) RURAL	MIXING HEIGHT (M) URBAN	USTAR (M/S)	M-O LENGTH (M)	Z-0 (M)	IPCODE	PRATE (mm/HR)
08	10	02	01	54.8	1.86	272.4	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	10	02	02	84.2	1.86	272.4	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	10	02	03	85.6	2.23	272.9	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	10	02	04	103.9	0.00	272.9	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	10	02	05	91.3	0.00	272.4	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	10	02	06	63.2	0.00	272.9	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	10	02	07	51.9	0.74	273.3	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	10	02	08	77.2	1.67	272.9	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	10	02	09	82.8	2.78	273.3	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	10	02	10	92.7	2.60	273.7	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	10	02	11	92.7	2.78	273.7	5	259.0	259.0	0.0000	0.0	0.0000	0	0.00
08	10	02	12	87.0	2.41	274.2	5	362.0	362.0	0.0000	0.0	0.0000	0	0.00
08	10	02	13	92.7	2.78	275.5	5	459.0	459.0	0.0000	0.0	0.0000	0	0.00
08	10	02	14	95.5	2.78	275.0	5	538.0	538.0	0.0000	0.0	0.0000	0	0.00
08	10	02	15	81.4	2.78	276.3	5	592.0	592.0	0.0000	0.0	0.0000	0	0.00
08	10	02	16	89.9	3.15	276.3	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	10	02	17	92.7	2.97	276.7	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	10	02	18	105.3	4.27	277.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	10	02	19	102.5	4.45	277.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	10	02	20	108.1	5.01	277.6	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	10	02	21	112.3	5.01	278.0	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	10	02	22	103.9	4.45	278.4	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	10	02	23	102.5	2.78	278.8	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	10	02	24	106.7	4.08	279.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00

*** NOTES: STABILITY CLASS 1=A, 2=B, 3=C, 4=D, 5=E AND 6=F.
FLOW VECTOR IS DIRECTION TOWARD WHICH WIND IS BLOWING.

CONC RURAL ELEV FLGPOL DFAULT

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00502	(08100223)	200.00	0.00	0.00115	(08100223)
300.00	0.00	0.00074	(08100210)	400.00	0.00	0.00056	(08100210)
500.00	0.00	0.00045	(08100210)	600.00	0.00	0.00035	(08100210)
700.00	0.00	0.00028	(08100210)	800.00	0.00	0.00022	(08100210)
900.00	0.00	0.00018	(08100210)	1000.00	0.00	0.00014	(08100210)

CONC RURAL ELEV FLGPOL DFAULT

*** THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00451	(08100210)	200.00	0.00	0.00112	(08100210)
300.00	0.00	0.00065	(08100217)	400.00	0.00	0.00049	(08100217)
500.00	0.00	0.00039	(08100217)	600.00	0.00	0.00031	(08100217)
700.00	0.00	0.00024	(08100217)	800.00	0.00	0.00019	(08100217)
900.00	0.00	0.00015	(08100217)	1000.00	0.00	0.00012	(08100217)

CONC RURAL ELEV FLGPOL DFAULT

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
100.00	0.00	0.00209c (08100224)	200.00	0.00	0.00044c (08100224)
300.00	0.00	0.00018c (08100224)	400.00	0.00	0.00011c (08100224)
500.00	0.00	0.00008c (08100224)	600.00	0.00	0.00006c (08100224)
700.00	0.00	0.00005c (08100224)	800.00	0.00	0.00004c (08100224)
900.00	0.00	0.00003c (08100224)	1000.00	0.00	0.00003c (08100224)

*** THE 2ND HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
100.00	0.00	0.00000 (00000000)	200.00	0.00	0.00000 (00000000)
300.00	0.00	0.00000 (00000000)	400.00	0.00	0.00000 (00000000)
500.00	0.00	0.00000 (00000000)	600.00	0.00	0.00000 (00000000)
700.00	0.00	0.00000 (00000000)	800.00	0.00	0.00000 (00000000)
900.00	0.00	0.00000 (00000000)	1000.00	0.00	0.00000 (00000000)

*** THE MAXIMUM 50 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

** CONC OF TSP IN GRAMS/CUBIC-METER **

RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)		OF TYPE
1.	0.00502	(08100223)	AT	(100.00,	0.00)	DC
2.	0.00451	(08100210)	AT	(100.00,	0.00)	DC
3.	0.00394	(08100217)	AT	(100.00,	0.00)	DC
4.	0.00344	(08100224)	AT	(100.00,	0.00)	DC
26.	0.00059	(08100224)	AT	(200.00,	0.00)	DC
27.	0.00056	(08100210)	AT	(400.00,	0.00)	DC
28.	0.00051	(08100216)	AT	(200.00,	0.00)	DC
29.	0.00049	(08100217)	AT	(400.00,	0.00)	DC

5.	0.00328 (08100218) AT (	100.00,	0.00)	DC	30.	0.00046 (08100214) AT (	300.00,	0.00)	DC		
6.	0.00314 (08100222) AT (	100.00,	0.00)	DC	31.	0.00045 (08100210) AT (	500.00,	0.00)	DC		
7.	0.00314 (08100219) AT (	100.00,	0.00)	DC	32.	0.00040 (08100220) AT (	200.00,	0.00)	DC		
8.	0.00313 (08100214) AT (	100.00,	0.00)	DC	33.	0.00040 (08100211) AT (	300.00,	0.00)	DC		
9.	0.00284 (08100221) AT (	100.00,	0.00)	DC	34.	0.00040 (08100213) AT (	300.00,	0.00)	DC		
10.	0.00281 (08100220) AT (	100.00,	0.00)	DC	35.	0.00039 (08100217) AT (	500.00,	0.00)	DC		
11.	0.00257 (08100211) AT (	100.00,	0.00)	DC	36.	0.00035 (08100210) AT (	600.00,	0.00)	DC		
12.	0.00257 (08100213) AT (	100.00,	0.00)	DC	37.	0.00033 (08100216) AT (	300.00,	0.00)	DC		
13.	0.00213 (08100216) AT (	100.00,	0.00)	DC	38.	0.00031 (08100203) AT (	100.00,	0.00)	DC		
14.	0.00115 (08100223) AT (	200.00,	0.00)	DC	39.	0.00031 (08100217) AT (	600.00,	0.00)	DC		
15.	0.00112 (08100210) AT (	200.00,	0.00)	DC	40.	0.00029 (08100211) AT (	400.00,	0.00)	DC		
16.	0.00098 (08100217) AT (	200.00,	0.00)	DC	41.	0.00029 (08100213) AT (	400.00,	0.00)	DC		
17.	0.00090 (08100212) AT (	100.00,	0.00)	DC	42.	0.00029 (08100214) AT (	400.00,	0.00)	DC		
18.	0.00074 (08100214) AT (	200.00,	0.00)	DC	43.	0.00028 (08100223) AT (	300.00,	0.00)	DC		
19.	0.00074 (08100210) AT (	300.00,	0.00)	DC	44.	0.00028 (08100210) AT (	700.00,	0.00)	DC		
20.	0.00072 (08100219) AT (	200.00,	0.00)	DC	45.	0.00025 (08100216) AT (	400.00,	0.00)	DC		
21.	0.00068 (08100222) AT (	200.00,	0.00)	DC	46.	0.00024 (08100217) AT (	700.00,	0.00)	DC		
22.	0.00065 (08100218) AT (	200.00,	0.00)	DC	47.	0.00022 (08100210) AT (	800.00,	0.00)	DC		
23.	0.00065 (08100217) AT (	300.00,	0.00)	DC	48.	0.00022 (08100211) AT (	500.00,	0.00)	DC		
24.	0.00061 (08100211) AT (	200.00,	0.00)	DC	49.	0.00022 (08100213) AT (	500.00,	0.00)	DC		
25.	0.00061 (08100213) AT (	200.00,	0.00)	DC	50.	0.00020 (08100216) AT (	500.00,	0.00)	DC		

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

CONC RURAL ELEV FLGPOL DFAULT

*** THE MAXIMUM 50 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE

GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

** CONC OF TSP IN GRAMS/CUBIC-METER **

RANK	CONC	(YYMMDDHH) AT	RECEPTOR (XR,YR) OF TYPE	RANK	CONC	(YYMMDDHH) AT	RECEPTOR (XR,YR) OF TYPE
1.	0.00209c	(08100224) AT	(100.00, 0.00) DC	26.	0.00000	(00000000) AT	(0.00, 0.00)
2.	0.00044c	(08100224) AT	(200.00, 0.00) DC	27.	0.00000	(00000000) AT	(0.00, 0.00)
3.	0.00018c	(08100224) AT	(300.00, 0.00) DC	28.	0.00000	(00000000) AT	(0.00, 0.00)
4.	0.00011c	(08100224) AT	(400.00, 0.00) DC	29.	0.00000	(00000000) AT	(0.00, 0.00)
5.	0.00008c	(08100224) AT	(500.00, 0.00) DC	30.	0.00000	(00000000) AT	(0.00, 0.00)
6.	0.00006c	(08100224) AT	(600.00, 0.00) DC	31.	0.00000	(00000000) AT	(0.00, 0.00)
7.	0.00005c	(08100224) AT	(700.00, 0.00) DC	32.	0.00000	(00000000) AT	(0.00, 0.00)
8.	0.00004c	(08100224) AT	(800.00, 0.00) DC	33.	0.00000	(00000000) AT	(0.00, 0.00)
9.	0.00003c	(08100224) AT	(900.00, 0.00) DC	34.	0.00000	(00000000) AT	(0.00, 0.00)
10.	0.00003c	(08100224) AT	(1000.00, 0.00) DC	35.	0.00000	(00000000) AT	(0.00, 0.00)
11.	0.00000	(00000000) AT	(0.00, 0.00)	36.	0.00000	(00000000) AT	(0.00, 0.00)
12.	0.00000	(00000000) AT	(0.00, 0.00)	37.	0.00000	(00000000) AT	(0.00, 0.00)
13.	0.00000	(00000000) AT	(0.00, 0.00)	38.	0.00000	(00000000) AT	(0.00, 0.00)
14.	0.00000	(00000000) AT	(0.00, 0.00)	39.	0.00000	(00000000) AT	(0.00, 0.00)
15.	0.00000	(00000000) AT	(0.00, 0.00)	40.	0.00000	(00000000) AT	(0.00, 0.00)
16.	0.00000	(00000000) AT	(0.00, 0.00)	41.	0.00000	(00000000) AT	(0.00, 0.00)
17.	0.00000	(00000000) AT	(0.00, 0.00)	42.	0.00000	(00000000) AT	(0.00, 0.00)
18.	0.00000	(00000000) AT	(0.00, 0.00)	43.	0.00000	(00000000) AT	(0.00, 0.00)
19.	0.00000	(00000000) AT	(0.00, 0.00)	44.	0.00000	(00000000) AT	(0.00, 0.00)
20.	0.00000	(00000000) AT	(0.00, 0.00)	45.	0.00000	(00000000) AT	(0.00, 0.00)
21.	0.00000	(00000000) AT	(0.00, 0.00)	46.	0.00000	(00000000) AT	(0.00, 0.00)
22.	0.00000	(00000000) AT	(0.00, 0.00)	47.	0.00000	(00000000) AT	(0.00, 0.00)
23.	0.00000	(00000000) AT	(0.00, 0.00)	48.	0.00000	(00000000) AT	(0.00, 0.00)
24.	0.00000	(00000000) AT	(0.00, 0.00)	49.	0.00000	(00000000) AT	(0.00, 0.00)
25.	0.00000	(00000000) AT	(0.00, 0.00)	50.	0.00000	(00000000) AT	(0.00, 0.00)

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

CONC RURAL ELEV FLGPOL DFAULT

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

** CONC OF TSP IN GRAMS/CUBIC-METER **

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

ALL HIGH 1ST HIGH VALUE IS 0.00502 ON 08100223: AT (100.00, 0.00, 920.00, 0.00) DC
NA
HIGH 2ND HIGH VALUE IS 0.00451 ON 08100210: AT (100.00, 0.00, 920.00, 0.00) DC
NA

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:55:10
**MODELOPTs: PAGE 14
CONC RURAL ELEV FLGPOL DFAULT

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

** CONC OF TSP IN GRAMS/CUBIC-METER **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	NETWORK RECEPTOR (XR, YR, ZELEV, ZFLAG) OF TYPE GRID-ID
ALL	1ST HIGH VALUE IS	0.00209c	ON 08100224: AT (100.00, 0.00, 920.00, 0.00) DC NA
	2ND HIGH VALUE IS	0.00000	ON 00000000: AT (0.00, 0.00, 0.00, 0.00)

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:55:10
**MODELOPTs: PAGE 15
CONC RURAL ELEV FLGPOL DFAULT

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

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

A Total of 0 Fatal Error Message(s)
A Total of 0 Warning Message(s)
A Total of 3 Informational Message(s)

A Total of 3 Calm Hours Identified

******** FATAL ERROR MESSAGES ********

*** NONE ***

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

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

```
CO STARTING
CO TITLEONE RUN1
CO MODELOPT DFAULT CONC RURAL
CO AVERTIME  1 24
co terrhgts elev
co flagpole 0.0
CO POLLUTID TSP
CO DCAYCOEF      .00000000
CO RUNORNOT RUN
CO ERRORFIL ERRORS.LST
CO FINISHED


SO STARTING

**        SRCID  SRCTYP    XS      YS      ZS
**        ----- ------  -----   -----    -----
SO LOCATION    1    AREA     0.      0.     .0000

**        SRCID    QS      HS     XINIT   YINIT
**        -----  ----    ----   -----  -----
SO SRCPARAM     1   0.00012    0.0     100.     50.

SO EMISUNIT     1.0 (GRAMS/(SEC-M**2))          grams/cubic-meter

SO SRCGROUP ALL
SO FINISHED


RE STARTING
RE DISCCART    100.     0.  920.   0.0
RE DISCCART    200.     0.  940.   0.0
RE DISCCART    300.     0.  950.   0.0
RE DISCCART    400.     0.  945.   0.0
RE DISCCART    500.     0.  945.   0.0
RE DISCCART    600.     0.  940.   0.0
RE DISCCART    700.     0.  940.   0.0
RE DISCCART    800.     0.  935.   0.0
RE DISCCART    900.     0.  930.   0.0
RE DISCCART   1000.     0.  930.   0.0
RE FINISHED


ME STARTING
ME INPUTFIL  SEP.MET
ME ANEMHGHT     3.0 METERS
ME SURFDATA  99999   2010          SURFNAME
ME UAIRDATA  99999   2010          UAIRNAME
ME WINDCATS    1.54    3.09    5.14    8.23   10.80
ME FINISHED
```

OU STARTING
OU RECTABLE ALLAVE FIRST SECOND
OU MAXTABLE ALLAVE 50
OU FINISHED

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

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:56:02
**MODELOPTs: PAGE 1
CONC RURAL ELEV FLGPOL DFAULT

*** MODEL SETUP OPTIONS SUMMARY ***

**Intermediate Terrain Processing is Selected

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

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

**Model Uses RURAL Dispersion.

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

**Model Accepts Receptors on ELEV Terrain.

**Model Accepts FLAGPOLE Receptor Heights.

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

**This Run Includes: 1 Source(s); 1 Source Group(s); and 10 Receptor(s)

**The Model Assumes A Pollutant Type of: TSP

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

**Output Options Selected:

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs Tables of Overall Maximum Short Term Values (MAXTABLE Keyword)

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

**Misc. Inputs: Anem. Hgt. (m) = 3.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = (GRAMS/(SEC-M**2)) ; Emission Rate Unit Factor = 1.0000
Output Units = GRAMS/CUBIC-METER

**Approximate Storage Requirements of Model = 1.2 MB of RAM.

**Input Runstream File: MONTHLY.INP
**Output Print File: SEP.OUT
**Detailed Error/Message File: ERRORS.LST
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:56:02
**MODELOPTs: PAGE 2
CONC RURAL ELEV FLGPOL DFAULT

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (USER UNITS /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	EMISSION RATE SCALAR VARY BY
1	0	0.12000E-03	0.0	0.0	0.0	0.00	100.00	50.00	0.00	0.00	

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:56:02
**MODELOPTs: PAGE 3
CONC RURAL ELEV FLGPOL DFAULT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	1 ,

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:56:02
**MODELOPTs: PAGE 4
CONC RURAL ELEV FLGPOL DFAULT

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

(100.0, 0.0, 920.0, 0.0); (200.0, 0.0, 940.0, 0.0);
(300.0, 0.0, 950.0, 0.0); (400.0, 0.0, 945.0, 0.0);
(500.0, 0.0, 945.0, 0.0); (600.0, 0.0, 940.0, 0.0);
(700.0, 0.0, 940.0, 0.0); (800.0, 0.0, 935.0, 0.0);
(900.0, 0.0, 930.0, 0.0); (1000.0, 0.0, 930.0, 0.0);

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

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

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

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

1.54, 3.09, 5.14, 8.23, 10.80,

*** WIND PROFILE EXPONENTS ***

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

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

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

CONC RURAL ELEV FLGPOL DFAULT

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

FILE: SEP.MET
FORMAT: (4I2,2F9.4,F6.1,I2,2F7.1,f9.4,f10.1,f8.4,i4,f7.2)
SURFACE STATION NO.: 99999 UPPER AIR STATION NO.: 99999
NAME: SURFNAME NAME: UAIRNAME
YEAR: 2010 YEAR: 2010

YR	MN	DY	HR	FLOW VECTOR	SPEED (M/S)	TEMP (K)	STAB CLASS	MIXING HEIGHT (M) RURAL	MIXING HEIGHT (M) URBAN	USTAR (M/S)	M-O LENGTH (M)	Z-0 (M)	IPCODE	PRATE (mm/HR)
09	09	15	01	140.4	1.11	278.0	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09	09	15	02	101.1	2.23	277.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09	09	15	03	103.9	0.93	278.4	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09	09	15	04	92.7	1.67	277.6	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09	09	15	05	106.7	1.67	277.6	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09	09	15	06	102.5	2.23	277.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09	09	15	07	87.0	2.04	276.7	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09	09	15	08	98.3	2.60	276.7	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09	09	15	09	89.9	2.78	277.2	5	159.0	159.0	0.0000	0.0	0.0000	0	0.00
09	09	15	10	84.2	2.23	278.4	5	260.0	260.0	0.0000	0.0	0.0000	0	0.00
09	09	15	11	96.9	2.60	279.6	5	391.0	391.0	0.0000	0.0	0.0000	0	0.00
09	09	15	12	132.0	2.97	280.8	5	519.0	519.0	0.0000	0.0	0.0000	0	0.00
09	09	15	13	136.2	2.41	281.2	5	635.0	635.0	0.0000	0.0	0.0000	0	0.00
09	09	15	14	106.7	2.60	282.0	5	732.0	732.0	0.0000	0.0	0.0000	0	0.00
09	09	15	15	103.9	2.41	282.4	5	807.0	807.0	0.0000	0.0	0.0000	0	0.00
09	09	15	16	123.5	2.41	283.2	5	858.0	858.0	0.0000	0.0	0.0000	0	0.00
09	09	15	17	136.2	3.90	283.6	5	879.0	879.0	0.0000	0.0	0.0000	0	0.00
09	09	15	18	103.9	2.41	284.0	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09	09	15	19	120.7	2.23	284.0	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09	09	15	20	115.1	3.15	282.4	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09	09	15	21	88.4	2.41	280.4	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09	09	15	22	95.5	2.41	279.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09	09	15	23	122.1	2.41	279.6	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
09	09	15	24	115.1	3.71	279.6	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00

*** NOTES: STABILITY CLASS 1=A, 2=B, 3=C, 4=D, 5=E AND 6=F.
FLOW VECTOR IS DIRECTION TOWARD WHICH WIND IS BLOWING.

CONC RURAL ELEV FLGPOL DFAULT

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.01292	(09091503)	200.00	0.00	0.00280	(09091503)
300.00	0.00	0.00106	(09091504)	400.00	0.00	0.00081	(09091504)
500.00	0.00	0.00064	(09091504)	600.00	0.00	0.00051	(09091504)
700.00	0.00	0.00040	(09091504)	800.00	0.00	0.00031	(09091504)
900.00	0.00	0.00025	(09091504)	1000.00	0.00	0.00021	(09091504)

CONC RURAL ELEV FLGPOL DFAULT

*** THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00997	(09091501)	200.00	0.00	0.00161	(09091504)
300.00	0.00	0.00081	(09091522)	400.00	0.00	0.00056	(09091522)
500.00	0.00	0.00034	(09091522)	600.00	0.00	0.00019	(09091522)
700.00	0.00	0.00011	(09091522)	800.00	0.00	0.00008	(09091509)
900.00	0.00	0.00007	(09091509)	1000.00	0.00	0.00006	(09091521)

CONC RURAL ELEV FLGPOL DFAULT

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00453	(09091524)	200.00	0.00	0.00063	(09091524)
300.00	0.00	0.00021	(09091524)	400.00	0.00	0.00010	(09091524)
500.00	0.00	0.00006	(09091524)	600.00	0.00	0.00004	(09091524)
700.00	0.00	0.00003	(09091524)	800.00	0.00	0.00002	(09091524)
900.00	0.00	0.00002	(09091524)	1000.00	0.00	0.00002	(09091524)

CONC RURAL ELEV FLGPOL DFAULT

*** THE 2ND HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00000	(00000000)	200.00	0.00	0.00000	(00000000)
300.00	0.00	0.00000	(00000000)	400.00	0.00	0.00000	(00000000)
500.00	0.00	0.00000	(00000000)	600.00	0.00	0.00000	(00000000)
700.00	0.00	0.00000	(00000000)	800.00	0.00	0.00000	(00000000)
900.00	0.00	0.00000	(00000000)	1000.00	0.00	0.00000	(00000000)

CONC RURAL ELEV FLGPOL DFAULT

*** THE MAXIMUM 50 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

** CONC OF TSP IN GRAMS/CUBIC-METER **

RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)		OF TYPE
1.	0.01292	(09091503)	AT	(100.00,	0.00)	DC
2.	0.00997	(09091501)	AT	(100.00,	0.00)	DC
3.	0.00777	(09091505)	AT	(100.00,	0.00)	DC
4.	0.00648	(09091504)	AT	(100.00,	0.00)	DC
26.	0.00133	(09091505)	AT	(200.00,	0.00)	DC
27.	0.00132	(09091506)	AT	(200.00,	0.00)	DC
28.	0.00125	(09091522)	AT	(200.00,	0.00)	DC
29.	0.00117	(09091508)	AT	(200.00,	0.00)	DC

5.	0.00578 (09091506) AT (	100.00,	0.00)	DC	30.	0.00116 (09091518) AT (	200.00,	0.00)	DC
6.	0.00576 (09091502) AT (	100.00,	0.00)	DC	31.	0.00106 (09091504) AT (	300.00,	0.00)	DC
7.	0.00570 (09091519) AT (	100.00,	0.00)	DC	32.	0.00081 (09091522) AT (	300.00,	0.00)	DC
8.	0.00536 (09091518) AT (	100.00,	0.00)	DC	33.	0.00081 (09091507) AT (	100.00,	0.00)	DC
9.	0.00521 (09091523) AT (	100.00,	0.00)	DC	34.	0.00081 (09091504) AT (	400.00,	0.00)	DC
10.	0.00521 (09091522) AT (	100.00,	0.00)	DC	35.	0.00075 (09091511) AT (	200.00,	0.00)	DC
11.	0.00493 (09091508) AT (	100.00,	0.00)	DC	36.	0.00073 (09091515) AT (	200.00,	0.00)	DC
12.	0.00417 (09091520) AT (	100.00,	0.00)	DC	37.	0.00069 (09091508) AT (	300.00,	0.00)	DC
13.	0.00367 (09091515) AT (	100.00,	0.00)	DC	38.	0.00064 (09091504) AT (	500.00,	0.00)	DC
14.	0.00354 (09091524) AT (	100.00,	0.00)	DC	39.	0.00056 (09091522) AT (	400.00,	0.00)	DC
15.	0.00354 (09091516) AT (	100.00,	0.00)	DC	40.	0.00055 (09091514) AT (	200.00,	0.00)	DC
16.	0.00342 (09091514) AT (	100.00,	0.00)	DC	41.	0.00051 (09091502) AT (	300.00,	0.00)	DC
17.	0.00324 (09091513) AT (	100.00,	0.00)	DC	42.	0.00051 (09091504) AT (	600.00,	0.00)	DC
18.	0.00324 (09091511) AT (	100.00,	0.00)	DC	43.	0.00044 (09091511) AT (	300.00,	0.00)	DC
19.	0.00280 (09091503) AT (	200.00,	0.00)	DC	44.	0.00040 (09091504) AT (	700.00,	0.00)	DC
20.	0.00270 (09091512) AT (	100.00,	0.00)	DC	45.	0.00036 (09091503) AT (	300.00,	0.00)	DC
21.	0.00200 (09091517) AT (	100.00,	0.00)	DC	46.	0.00035 (09091509) AT (	200.00,	0.00)	DC
22.	0.00161 (09091504) AT (	200.00,	0.00)	DC	47.	0.00034 (09091522) AT (	500.00,	0.00)	DC
23.	0.00155 (09091509) AT (	100.00,	0.00)	DC	48.	0.00032 (09091506) AT (	300.00,	0.00)	DC
24.	0.00145 (09091521) AT (	100.00,	0.00)	DC	49.	0.00031 (09091504) AT (	800.00,	0.00)	DC
25.	0.00136 (09091502) AT (	200.00,	0.00)	DC	50.	0.00030 (09091521) AT (	200.00,	0.00)	DC

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

CONC RURAL ELEV FLGPOL DFAULT

*** THE MAXIMUM 50 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE

GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

** CONC OF TSP IN GRAMS/CUBIC-METER **

RANK	CONC	(YYMMDDHH) AT	RECEPTOR (XR,YR) OF TYPE	RANK	CONC	(YYMMDDHH) AT	RECEPTOR (XR,YR) OF TYPE
1.	0.00453	(09091524) AT	(100.00, 0.00) DC	26.	0.00000	(00000000) AT	(0.00, 0.00)
2.	0.00063	(09091524) AT	(200.00, 0.00) DC	27.	0.00000	(00000000) AT	(0.00, 0.00)
3.	0.00021	(09091524) AT	(300.00, 0.00) DC	28.	0.00000	(00000000) AT	(0.00, 0.00)
4.	0.00010	(09091524) AT	(400.00, 0.00) DC	29.	0.00000	(00000000) AT	(0.00, 0.00)
5.	0.00006	(09091524) AT	(500.00, 0.00) DC	30.	0.00000	(00000000) AT	(0.00, 0.00)
6.	0.00004	(09091524) AT	(600.00, 0.00) DC	31.	0.00000	(00000000) AT	(0.00, 0.00)
7.	0.00003	(09091524) AT	(700.00, 0.00) DC	32.	0.00000	(00000000) AT	(0.00, 0.00)
8.	0.00002	(09091524) AT	(800.00, 0.00) DC	33.	0.00000	(00000000) AT	(0.00, 0.00)
9.	0.00002	(09091524) AT	(900.00, 0.00) DC	34.	0.00000	(00000000) AT	(0.00, 0.00)
10.	0.00002	(09091524) AT	(1000.00, 0.00) DC	35.	0.00000	(00000000) AT	(0.00, 0.00)
11.	0.00000	(00000000) AT	(0.00, 0.00)	36.	0.00000	(00000000) AT	(0.00, 0.00)
12.	0.00000	(00000000) AT	(0.00, 0.00)	37.	0.00000	(00000000) AT	(0.00, 0.00)
13.	0.00000	(00000000) AT	(0.00, 0.00)	38.	0.00000	(00000000) AT	(0.00, 0.00)
14.	0.00000	(00000000) AT	(0.00, 0.00)	39.	0.00000	(00000000) AT	(0.00, 0.00)
15.	0.00000	(00000000) AT	(0.00, 0.00)	40.	0.00000	(00000000) AT	(0.00, 0.00)
16.	0.00000	(00000000) AT	(0.00, 0.00)	41.	0.00000	(00000000) AT	(0.00, 0.00)
17.	0.00000	(00000000) AT	(0.00, 0.00)	42.	0.00000	(00000000) AT	(0.00, 0.00)
18.	0.00000	(00000000) AT	(0.00, 0.00)	43.	0.00000	(00000000) AT	(0.00, 0.00)
19.	0.00000	(00000000) AT	(0.00, 0.00)	44.	0.00000	(00000000) AT	(0.00, 0.00)
20.	0.00000	(00000000) AT	(0.00, 0.00)	45.	0.00000	(00000000) AT	(0.00, 0.00)
21.	0.00000	(00000000) AT	(0.00, 0.00)	46.	0.00000	(00000000) AT	(0.00, 0.00)
22.	0.00000	(00000000) AT	(0.00, 0.00)	47.	0.00000	(00000000) AT	(0.00, 0.00)
23.	0.00000	(00000000) AT	(0.00, 0.00)	48.	0.00000	(00000000) AT	(0.00, 0.00)
24.	0.00000	(00000000) AT	(0.00, 0.00)	49.	0.00000	(00000000) AT	(0.00, 0.00)
25.	0.00000	(00000000) AT	(0.00, 0.00)	50.	0.00000	(00000000) AT	(0.00, 0.00)

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

CONC RURAL ELEV FLGPOL DFAULT

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

** CONC OF TSP IN GRAMS/CUBIC-METER **

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

ALL HIGH 1ST HIGH VALUE IS 0.01292 ON 09091503: AT (100.00, 0.00, 920.00, 0.00) DC
NA
HIGH 2ND HIGH VALUE IS 0.00997 ON 09091501: AT (100.00, 0.00, 920.00, 0.00) DC
NA

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:56:02
**MODELOPTs: PAGE 14
CONC RURAL ELEV FLGPOL DFAULT

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

** CONC OF TSP IN GRAMS/CUBIC-METER **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	NETWORK RECEPTOR (XR, YR, ZELEV, ZFLAG) OF TYPE GRID-ID
ALL	1ST HIGH VALUE IS 0.00453	ON 09091524	AT (100.00, 0.00, 920.00, 0.00) DC
	2ND HIGH VALUE IS 0.00000	ON 00000000	AT (0.00, 0.00, 0.00, 0.00)

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:56:02
**MODELOPTs: PAGE 15
CONC RURAL ELEV FLGPOL DFAULT

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

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

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

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

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

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

```
CO STARTING
CO TITLEONE RUN1
CO MODELOPT DFAULT CONC RURAL
CO AVERTIME  1 24
co terrhgts elev
co flagpole 0.0
CO POLLUTID TSP
CO DCAYCOEF      .00000000
CO RUNORNOT RUN
CO ERRORFIL ERRORS.LST
CO FINISHED


SO STARTING

**        SRCID  SRCTYP    XS      YS      ZS
**        ----- ------  -----   -----    -----
SO LOCATION    1    AREA     0.      0.     .0000

**        SRCID    QS      HS     XINIT   YINIT
**        -----  ----    ----   -----  -----
SO SRCPARAM     1   0.00020    0.0     100.     50.

SO EMISUNIT     1.0 (GRAMS/(SEC-M**2))          grams/cubic-meter

SO SRCGROUP ALL
SO FINISHED


RE STARTING
RE DISCCART    100.     0.  920.   0.0
RE DISCCART    200.     0.  940.   0.0
RE DISCCART    300.     0.  950.   0.0
RE DISCCART    400.     0.  945.   0.0
RE DISCCART    500.     0.  945.   0.0
RE DISCCART    600.     0.  940.   0.0
RE DISCCART    700.     0.  940.   0.0
RE DISCCART    800.     0.  935.   0.0
RE DISCCART    900.     0.  930.   0.0
RE DISCCART   1000.     0.  930.   0.0
RE FINISHED


ME STARTING
ME INPUTFIL  WCS2.MET
ME ANEMHGHT     3.0 METERS
ME SURFDATA  99999   2010          SURFNAME
ME UAIRDATA  99999   2010          UAIRNAME
ME WINDCATS    1.54    3.09    5.14    8.23   10.80
ME FINISHED
```

OU STARTING
OU RECTABLE ALLAVE FIRST SECOND
OU MAXTABLE ALLAVE 50
OU FINISHED

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

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/02/10
14:50:19
**MODELOPTs: PAGE 1
CONC RURAL ELEV FLGPOL DFAULT

*** MODEL SETUP OPTIONS SUMMARY ***

**Intermediate Terrain Processing is Selected

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

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

**Model Uses RURAL Dispersion.

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

**Model Accepts Receptors on ELEV Terrain.

**Model Accepts FLAGPOLE Receptor Heights.

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

**This Run Includes: 1 Source(s); 1 Source Group(s); and 10 Receptor(s)

**The Model Assumes A Pollutant Type of: TSP

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

**Output Options Selected:

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs Tables of Overall Maximum Short Term Values (MAXTABLE Keyword)

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

**Misc. Inputs: Anem. Hgt. (m) = 3.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = (GRAMS/(SEC-M**2)) ; Emission Rate Unit Factor = 1.0000
Output Units = GRAMS/CUBIC-METER

**Approximate Storage Requirements of Model = 1.2 MB of RAM.

**Input Runstream File: MONTHLY.INP
**Output Print File: WCS2.OUT
**Detailed Error/Message File: ERRORS.LST
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/02/10
*** *** 14:50:19
**MODELOPTs: PAGE 2
CONC RURAL ELEV FLGPOL DFAULT

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (USER UNITS /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	EMISSION RATE SCALAR VARY BY
1	0	0.20000E-03	0.0	0.0	0.0	0.00	100.00	50.00	0.00	0.00	

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/02/10
*** *** 14:50:19
**MODELOPTs: PAGE 3
CONC RURAL ELEV FLGPOL DFAULT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	1 ,

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/02/10
*** *** 14:50:19
**MODELOPTs: PAGE 4
CONC RURAL ELEV FLGPOL DFAULT

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

(100.0, 0.0, 920.0, 0.0); (200.0, 0.0, 940.0, 0.0);
(300.0, 0.0, 950.0, 0.0); (400.0, 0.0, 945.0, 0.0);
(500.0, 0.0, 945.0, 0.0); (600.0, 0.0, 940.0, 0.0);
(700.0, 0.0, 940.0, 0.0); (800.0, 0.0, 935.0, 0.0);
(900.0, 0.0, 930.0, 0.0); (1000.0, 0.0, 930.0, 0.0);

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

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

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

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

1.54, 3.09, 5.14, 8.23, 10.80,

*** WIND PROFILE EXPONENTS ***

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

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

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

CONC RURAL ELEV FLGPOL DFAULT

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

FILE: WCS2.MET
FORMAT: (4I2,2F9.4,F6.1,I2,2F7.1,f9.4,f10.1,f8.4,i4,f7.2)
SURFACE STATION NO.: 99999 UPPER AIR STATION NO.: 99999
NAME: SURFNAME NAME: UAIRNAME
YEAR: 2010 YEAR: 2010

YR MN DY HR	FLOW VECTOR	SPEED (M/S)	TEMP (K)	STAB CLASS	MIXING HEIGHT (M) RURAL	URBAN	USTAR (M/S)	M-O LENGTH (M)	Z-0 (M)	IPCODE	PRATE (mm/HR)
10 04 02 01	90.0	4.00	266.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10 04 02 02	90.0	4.00	266.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10 04 02 03	90.0	4.00	266.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10 04 02 04	90.0	4.00	266.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10 04 02 05	90.0	4.00	266.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10 04 02 06	90.0	4.00	265.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10 04 02 07	90.0	4.00	265.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10 04 02 08	90.0	4.00	265.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10 04 02 09	90.0	4.00	265.2	6	577.0	577.0	0.0000	0.0	0.0000	0	0.00
10 04 02 10	90.0	4.00	265.2	5	640.0	640.0	0.0000	0.0	0.0000	0	0.00
10 04 02 11	90.0	4.00	265.7	5	731.0	731.0	0.0000	0.0	0.0000	0	0.00
10 04 02 12	90.0	4.00	266.7	5	833.0	833.0	0.0000	0.0	0.0000	0	0.00
10 04 02 13	90.0	4.00	267.2	5	933.0	933.0	0.0000	0.0	0.0000	0	0.00
10 04 02 14	90.0	4.00	267.7	5	1023.0	1023.0	0.0000	0.0	0.0000	0	0.00
10 04 02 15	90.0	4.00	268.2	5	1098.0	1098.0	0.0000	0.0	0.0000	0	0.00
10 04 02 16	90.0	4.00	269.2	5	1153.0	1153.0	0.0000	0.0	0.0000	0	0.00
10 04 02 17	90.0	4.00	269.6	6	1185.0	1185.0	0.0000	0.0	0.0000	0	0.00
10 04 02 18	90.0	4.00	269.6	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10 04 02 19	90.0	4.00	270.1	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10 04 02 20	90.0	4.00	268.7	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10 04 02 21	90.0	4.00	268.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10 04 02 22	90.0	4.00	267.7	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10 04 02 23	90.0	4.00	267.7	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10 04 02 24	90.0	4.00	267.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00

*** NOTES: STABILITY CLASS 1=A, 2=B, 3=C, 4=D, 5=E AND 6=F.
FLOW VECTOR IS DIRECTION TOWARD WHICH WIND IS BLOWING.

CONC RURAL ELEV FLGPOL DFAULT

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00267	(10040201)	200.00	0.00	0.00063	(10040201)
300.00	0.00	0.00041	(10040201)	400.00	0.00	0.00032	(10040201)
500.00	0.00	0.00026	(10040201)	600.00	0.00	0.00022	(10040201)
700.00	0.00	0.00019	(10040201)	800.00	0.00	0.00016	(10040201)
900.00	0.00	0.00015	(10040201)	1000.00	0.00	0.00013	(10040201)

CONC RURAL ELEV FLGPOL DFAULT

*** THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00267	(10040202)	200.00	0.00	0.00063	(10040202)
300.00	0.00	0.00041	(10040202)	400.00	0.00	0.00032	(10040202)
500.00	0.00	0.00026	(10040202)	600.00	0.00	0.00022	(10040202)
700.00	0.00	0.00019	(10040202)	800.00	0.00	0.00016	(10040202)
900.00	0.00	0.00015	(10040202)	1000.00	0.00	0.00013	(10040202)

CONC RURAL ELEV FLGPOL DFAULT

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00242	(10040224)	200.00	0.00	0.00057	(10040224)
300.00	0.00	0.00037	(10040224)	400.00	0.00	0.00028	(10040224)
500.00	0.00	0.00023	(10040224)	600.00	0.00	0.00019	(10040224)
700.00	0.00	0.00017	(10040224)	800.00	0.00	0.00014	(10040224)
900.00	0.00	0.00013	(10040224)	1000.00	0.00	0.00011	(10040224)

CONC RURAL ELEV FLGPOL DFAULT

*** THE 2ND HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00000	(00000000)	200.00	0.00	0.00000	(00000000)
300.00	0.00	0.00000	(00000000)	400.00	0.00	0.00000	(00000000)
500.00	0.00	0.00000	(00000000)	600.00	0.00	0.00000	(00000000)
700.00	0.00	0.00000	(00000000)	800.00	0.00	0.00000	(00000000)
900.00	0.00	0.00000	(00000000)	1000.00	0.00	0.00000	(00000000)

CONC RURAL ELEV FLGPOL DFAULT

*** THE MAXIMUM 50 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

** CONC OF TSP IN GRAMS/CUBIC-METER **

RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)		OF TYPE
1.	0.00267	(10040201)	AT	(100.00,	0.00)	DC
2.	0.00267	(10040202)	AT	(100.00,	0.00)	DC
3.	0.00267	(10040203)	AT	(100.00,	0.00)	DC
4.	0.00267	(10040204)	AT	(100.00,	0.00)	DC
26.	0.00063	(10040202)	AT	(200.00,	0.00)	DC
27.	0.00063	(10040203)	AT	(200.00,	0.00)	DC
28.	0.00063	(10040204)	AT	(200.00,	0.00)	DC
29.	0.00063	(10040205)	AT	(200.00,	0.00)	DC

5.	0.00267 (10040205) AT (	100.00,	0.00)	DC	30.	0.00063 (10040206) AT (	200.00,	0.00)	DC		
6.	0.00267 (10040206) AT (	100.00,	0.00)	DC	31.	0.00063 (10040207) AT (	200.00,	0.00)	DC		
7.	0.00267 (10040207) AT (	100.00,	0.00)	DC	32.	0.00063 (10040208) AT (	200.00,	0.00)	DC		
8.	0.00267 (10040208) AT (	100.00,	0.00)	DC	33.	0.00063 (10040209) AT (	200.00,	0.00)	DC		
9.	0.00267 (10040209) AT (	100.00,	0.00)	DC	34.	0.00063 (10040217) AT (	200.00,	0.00)	DC		
10.	0.00267 (10040217) AT (	100.00,	0.00)	DC	35.	0.00063 (10040218) AT (	200.00,	0.00)	DC		
11.	0.00267 (10040218) AT (	100.00,	0.00)	DC	36.	0.00063 (10040219) AT (	200.00,	0.00)	DC		
12.	0.00267 (10040219) AT (	100.00,	0.00)	DC	37.	0.00063 (10040220) AT (	200.00,	0.00)	DC		
13.	0.00267 (10040220) AT (	100.00,	0.00)	DC	38.	0.00063 (10040221) AT (	200.00,	0.00)	DC		
14.	0.00267 (10040221) AT (	100.00,	0.00)	DC	39.	0.00063 (10040222) AT (	200.00,	0.00)	DC		
15.	0.00267 (10040222) AT (	100.00,	0.00)	DC	40.	0.00063 (10040223) AT (	200.00,	0.00)	DC		
16.	0.00267 (10040223) AT (	100.00,	0.00)	DC	41.	0.00063 (10040224) AT (	200.00,	0.00)	DC		
17.	0.00267 (10040224) AT (	100.00,	0.00)	DC	42.	0.00042 (10040210) AT (	200.00,	0.00)	DC		
18.	0.00183 (10040210) AT (	100.00,	0.00)	DC	43.	0.00042 (10040211) AT (	200.00,	0.00)	DC		
19.	0.00183 (10040211) AT (	100.00,	0.00)	DC	44.	0.00042 (10040212) AT (	200.00,	0.00)	DC		
20.	0.00183 (10040212) AT (	100.00,	0.00)	DC	45.	0.00042 (10040213) AT (	200.00,	0.00)	DC		
21.	0.00183 (10040213) AT (	100.00,	0.00)	DC	46.	0.00042 (10040214) AT (	200.00,	0.00)	DC		
22.	0.00183 (10040214) AT (	100.00,	0.00)	DC	47.	0.00042 (10040215) AT (	200.00,	0.00)	DC		
23.	0.00183 (10040215) AT (	100.00,	0.00)	DC	48.	0.00042 (10040216) AT (	200.00,	0.00)	DC		
24.	0.00183 (10040216) AT (	100.00,	0.00)	DC	49.	0.00041 (10040201) AT (	300.00,	0.00)	DC		
25.	0.00063 (10040201) AT (	200.00,	0.00)	DC	50.	0.00041 (10040202) AT (	300.00,	0.00)	DC		

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

CONC RURAL ELEV FLGPOL DFAULT

*** THE MAXIMUM 50 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE

GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

** CONC OF TSP IN GRAMS/CUBIC-METER **

RANK	CONC	(YYMMDDHH) AT	RECEPTOR (XR,YR) OF TYPE	RANK	CONC	(YYMMDDHH) AT	RECEPTOR (XR,YR) OF TYPE
1.	0.00242	(10040224) AT	(100.00, 0.00) DC	26.	0.00000	(00000000) AT	(0.00, 0.00)
2.	0.00057	(10040224) AT	(200.00, 0.00) DC	27.	0.00000	(00000000) AT	(0.00, 0.00)
3.	0.00037	(10040224) AT	(300.00, 0.00) DC	28.	0.00000	(00000000) AT	(0.00, 0.00)
4.	0.00028	(10040224) AT	(400.00, 0.00) DC	29.	0.00000	(00000000) AT	(0.00, 0.00)
5.	0.00023	(10040224) AT	(500.00, 0.00) DC	30.	0.00000	(00000000) AT	(0.00, 0.00)
6.	0.00019	(10040224) AT	(600.00, 0.00) DC	31.	0.00000	(00000000) AT	(0.00, 0.00)
7.	0.00017	(10040224) AT	(700.00, 0.00) DC	32.	0.00000	(00000000) AT	(0.00, 0.00)
8.	0.00014	(10040224) AT	(800.00, 0.00) DC	33.	0.00000	(00000000) AT	(0.00, 0.00)
9.	0.00013	(10040224) AT	(900.00, 0.00) DC	34.	0.00000	(00000000) AT	(0.00, 0.00)
10.	0.00011	(10040224) AT	(1000.00, 0.00) DC	35.	0.00000	(00000000) AT	(0.00, 0.00)
11.	0.00000	(00000000) AT	(0.00, 0.00)	36.	0.00000	(00000000) AT	(0.00, 0.00)
12.	0.00000	(00000000) AT	(0.00, 0.00)	37.	0.00000	(00000000) AT	(0.00, 0.00)
13.	0.00000	(00000000) AT	(0.00, 0.00)	38.	0.00000	(00000000) AT	(0.00, 0.00)
14.	0.00000	(00000000) AT	(0.00, 0.00)	39.	0.00000	(00000000) AT	(0.00, 0.00)
15.	0.00000	(00000000) AT	(0.00, 0.00)	40.	0.00000	(00000000) AT	(0.00, 0.00)
16.	0.00000	(00000000) AT	(0.00, 0.00)	41.	0.00000	(00000000) AT	(0.00, 0.00)
17.	0.00000	(00000000) AT	(0.00, 0.00)	42.	0.00000	(00000000) AT	(0.00, 0.00)
18.	0.00000	(00000000) AT	(0.00, 0.00)	43.	0.00000	(00000000) AT	(0.00, 0.00)
19.	0.00000	(00000000) AT	(0.00, 0.00)	44.	0.00000	(00000000) AT	(0.00, 0.00)
20.	0.00000	(00000000) AT	(0.00, 0.00)	45.	0.00000	(00000000) AT	(0.00, 0.00)
21.	0.00000	(00000000) AT	(0.00, 0.00)	46.	0.00000	(00000000) AT	(0.00, 0.00)
22.	0.00000	(00000000) AT	(0.00, 0.00)	47.	0.00000	(00000000) AT	(0.00, 0.00)
23.	0.00000	(00000000) AT	(0.00, 0.00)	48.	0.00000	(00000000) AT	(0.00, 0.00)
24.	0.00000	(00000000) AT	(0.00, 0.00)	49.	0.00000	(00000000) AT	(0.00, 0.00)
25.	0.00000	(00000000) AT	(0.00, 0.00)	50.	0.00000	(00000000) AT	(0.00, 0.00)

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

CONC RURAL ELEV FLGPOL DFAULT

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

** CONC OF TSP IN GRAMS/CUBIC-METER **

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

ALL HIGH 1ST HIGH VALUE IS 0.00267 ON 10040201: AT (100.00, 0.00, 920.00, 0.00) DC
NA
HIGH 2ND HIGH VALUE IS 0.00267 ON 10040202: AT (100.00, 0.00, 920.00, 0.00) DC
NA

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/02/10
*** *** 14:50:19
**MODELOPTs: PAGE 14
CONC RURAL ELEV FLGPOL DFAULT

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

** CONC OF TSP IN GRAMS/CUBIC-METER **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	NETWORK RECEPTOR (XR, YR, ZELEV, ZFLAG) OF TYPE GRID-ID
ALL	1ST HIGH VALUE IS	0.00242	ON 10040224: AT (100.00, 0.00, 920.00, 0.00) DC
	2ND HIGH VALUE IS	0.00000	ON 00000000: AT (0.00, 0.00, 0.00, 0.00)

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/02/10
*** *** 14:50:19
**MODELOPTs: PAGE 15
CONC RURAL ELEV FLGPOL DFAULT

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

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

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

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

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

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

```
CO STARTING
CO TITLEONE RUN1
CO MODELOPT DFAULT CONC RURAL
CO AVERTIME  1 24
co terrhgts elev
co flagpole 0.0
CO POLLUTID TSP
CO DCAYCOEF      .00000000
CO RUNORNOT RUN
CO ERRORFIL ERRORS.LST
CO FINISHED


SO STARTING

**        SRCID  SRCTYP    XS      YS      ZS
**        ----- ------  -----   -----    -----
SO LOCATION    1    AREA     0.      0.     .0000

**        SRCID    QS      HS     XINIT   YINIT
**        -----  ----    ----   -----  -----
SO SRCPARAM     1   0.00008    0.0     100.     50.

SO EMISUNIT     1.0 (GRAMS/(SEC-M**2))          grams/cubic-meter

SO SRCGROUP ALL
SO FINISHED


RE STARTING
RE DISCCART    100.     0.  920.   0.0
RE DISCCART    200.     0.  940.   0.0
RE DISCCART    300.     0.  950.   0.0
RE DISCCART    400.     0.  945.   0.0
RE DISCCART    500.     0.  945.   0.0
RE DISCCART    600.     0.  940.   0.0
RE DISCCART    700.     0.  940.   0.0
RE DISCCART    800.     0.  935.   0.0
RE DISCCART    900.     0.  930.   0.0
RE DISCCART   1000.     0.  930.   0.0
RE FINISHED


ME STARTING
ME INPUTFIL  WCS3.MET
ME ANEMHGHT     3.0 METERS
ME SURFDATA  99999   2010          SURFNAME
ME UAIRDATA  99999   2010          UAIRNAME
ME WINDCATS    1.54    3.09    5.14    8.23   10.80
ME FINISHED
```

OU STARTING
OU RECTABLE ALLAVE FIRST SECOND
OU MAXTABLE ALLAVE 50
OU FINISHED

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

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/02/10
*** *** 15:02:08
**MODELOPTs: PAGE 1
CONC RURAL ELEV FLGPOL DFAULT

*** MODEL SETUP OPTIONS SUMMARY ***

**Intermediate Terrain Processing is Selected

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

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

**Model Uses RURAL Dispersion.

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

**Model Accepts Receptors on ELEV Terrain.

**Model Accepts FLAGPOLE Receptor Heights.

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

**This Run Includes: 1 Source(s); 1 Source Group(s); and 10 Receptor(s)

**The Model Assumes A Pollutant Type of: TSP

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

**Output Options Selected:

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs Tables of Overall Maximum Short Term Values (MAXTABLE Keyword)

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

**Misc. Inputs: Anem. Hgt. (m) = 3.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = (GRAMS/(SEC-M**2)) ; Emission Rate Unit Factor = 1.0000
Output Units = GRAMS/CUBIC-METER

**Approximate Storage Requirements of Model = 1.2 MB of RAM.

**Input Runstream File: MONTHLY.INP
**Output Print File: WCS3.OUT
**Detailed Error/Message File: ERRORS.LST
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/02/10
*** *** 15:02:08
**MODELOPTs: PAGE 2
CONC RURAL ELEV FLGPOL DFAULT

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (USER UNITS /METER**2)	COORD (SW CORNER) X (METERS)	COORD (SW CORNER) Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	EMISSION RATE SCALAR VARY BY
1	0	0.80000E-04	0.0	0.0	0.0	0.00	100.00	50.00	0.00	0.00	

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/02/10
*** *** 15:02:08
**MODELOPTs: PAGE 3
CONC RURAL ELEV FLGPOL DFAULT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	1 ,

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/02/10
*** *** 15:02:08
**MODELOPTs: PAGE 4
CONC RURAL ELEV FLGPOL DFAULT

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

```
( 100.0, 0.0, 920.0, 0.0); ( 200.0, 0.0, 940.0, 0.0);
( 300.0, 0.0, 950.0, 0.0); ( 400.0, 0.0, 945.0, 0.0);
( 500.0, 0.0, 945.0, 0.0); ( 600.0, 0.0, 940.0, 0.0);
( 700.0, 0.0, 940.0, 0.0); ( 800.0, 0.0, 935.0, 0.0);
( 900.0, 0.0, 930.0, 0.0); ( 1000.0, 0.0, 930.0, 0.0);
```


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

```
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
```

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

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

1.54, 3.09, 5.14, 8.23, 10.80,

*** WIND PROFILE EXPONENTS ***

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

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

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

CONC RURAL ELEV FLGPOL DFAULT

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

FILE: WCS3.MET
FORMAT: (4I2,2F9.4,F6.1,I2,2F7.1,f9.4,f10.1,f8.4,i4,f7.2)
SURFACE STATION NO.: 99999 UPPER AIR STATION NO.: 99999
NAME: SURFNAME NAME: UAIRNAME
YEAR: 2010 YEAR: 2010

YR MN DY HR	FLOW VECTOR	SPEED (M/S)	TEMP (K)	STAB CLASS	MIXING HEIGHT (M) RURAL	MIXING HEIGHT (M) URBAN	USTAR (M/S)	M-O LENGTH (M)	Z-0 (M)	IPCODE	PRATE (mm/HR)
10 04 02 01	90.0	1.50	266.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10 04 02 02	90.0	1.50	266.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10 04 02 03	90.0	1.50	266.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10 04 02 04	90.0	1.50	266.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10 04 02 05	90.0	1.50	266.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10 04 02 06	90.0	1.50	265.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10 04 02 07	90.0	1.50	265.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10 04 02 08	90.0	1.50	265.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10 04 02 09	90.0	1.50	265.2	6	577.0	577.0	0.0000	0.0	0.0000	0	0.00
10 04 02 10	90.0	1.50	265.2	5	640.0	640.0	0.0000	0.0	0.0000	0	0.00
10 04 02 11	90.0	1.50	265.7	5	731.0	731.0	0.0000	0.0	0.0000	0	0.00
10 04 02 12	90.0	1.50	266.7	5	833.0	833.0	0.0000	0.0	0.0000	0	0.00
10 04 02 13	90.0	1.50	267.2	5	933.0	933.0	0.0000	0.0	0.0000	0	0.00
10 04 02 14	90.0	1.50	267.7	5	1023.0	1023.0	0.0000	0.0	0.0000	0	0.00
10 04 02 15	90.0	1.50	268.2	5	1098.0	1098.0	0.0000	0.0	0.0000	0	0.00
10 04 02 16	90.0	1.50	269.2	5	1153.0	1153.0	0.0000	0.0	0.0000	0	0.00
10 04 02 17	90.0	1.50	269.6	6	1185.0	1185.0	0.0000	0.0	0.0000	0	0.00
10 04 02 18	90.0	1.50	269.6	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10 04 02 19	90.0	1.50	270.1	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10 04 02 20	90.0	1.50	268.7	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10 04 02 21	90.0	1.50	268.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10 04 02 22	90.0	1.50	267.7	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10 04 02 23	90.0	1.50	267.7	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10 04 02 24	90.0	1.50	267.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00

*** NOTES: STABILITY CLASS 1=A, 2=B, 3=C, 4=D, 5=E AND 6=F.
FLOW VECTOR IS DIRECTION TOWARD WHICH WIND IS BLOWING.

CONC RURAL ELEV FLGPOL DFAULT

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00284	(10040201)	200.00	0.00	0.00068	(10040201)
300.00	0.00	0.00044	(10040201)	400.00	0.00	0.00034	(10040201)
500.00	0.00	0.00028	(10040201)	600.00	0.00	0.00023	(10040201)
700.00	0.00	0.00020	(10040201)	800.00	0.00	0.00018	(10040201)
900.00	0.00	0.00016	(10040201)	1000.00	0.00	0.00014	(10040201)

CONC RURAL ELEV FLGPOL DFAULT

*** THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00284	(10040202)	200.00	0.00	0.00068	(10040202)
300.00	0.00	0.00044	(10040202)	400.00	0.00	0.00034	(10040202)
500.00	0.00	0.00028	(10040202)	600.00	0.00	0.00023	(10040202)
700.00	0.00	0.00020	(10040202)	800.00	0.00	0.00018	(10040202)
900.00	0.00	0.00016	(10040202)	1000.00	0.00	0.00014	(10040202)

CONC RURAL ELEV FLGPOL DFAULT

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00258	(10040224)	200.00	0.00	0.00061	(10040224)
300.00	0.00	0.00040	(10040224)	400.00	0.00	0.00030	(10040224)
500.00	0.00	0.00025	(10040224)	600.00	0.00	0.00021	(10040224)
700.00	0.00	0.00018	(10040224)	800.00	0.00	0.00015	(10040224)
900.00	0.00	0.00013	(10040224)	1000.00	0.00	0.00012	(10040224)

CONC RURAL ELEV FLGPOL DFAULT

*** THE 2ND HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00000	(00000000)	200.00	0.00	0.00000	(00000000)
300.00	0.00	0.00000	(00000000)	400.00	0.00	0.00000	(00000000)
500.00	0.00	0.00000	(00000000)	600.00	0.00	0.00000	(00000000)
700.00	0.00	0.00000	(00000000)	800.00	0.00	0.00000	(00000000)
900.00	0.00	0.00000	(00000000)	1000.00	0.00	0.00000	(00000000)

CONC RURAL ELEV FLGPOL DFAULT

*** THE MAXIMUM 50 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

** CONC OF TSP IN GRAMS/CUBIC-METER **

RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)	OF TYPE	RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)	OF TYPE
1.	0.00284	(10040201)	AT	(100.00, 0.00)	DC	26.	0.00068	(10040202)	AT	(200.00, 0.00)	DC
2.	0.00284	(10040202)	AT	(100.00, 0.00)	DC	27.	0.00068	(10040203)	AT	(200.00, 0.00)	DC
3.	0.00284	(10040203)	AT	(100.00, 0.00)	DC	28.	0.00068	(10040204)	AT	(200.00, 0.00)	DC
4.	0.00284	(10040204)	AT	(100.00, 0.00)	DC	29.	0.00068	(10040205)	AT	(200.00, 0.00)	DC

5.	0.00284 (10040205) AT (	100.00,	0.00)	DC	30.	0.00068 (10040206) AT (	200.00,	0.00)	DC
6.	0.00284 (10040206) AT (	100.00,	0.00)	DC	31.	0.00068 (10040207) AT (	200.00,	0.00)	DC
7.	0.00284 (10040207) AT (	100.00,	0.00)	DC	32.	0.00068 (10040208) AT (	200.00,	0.00)	DC
8.	0.00284 (10040208) AT (	100.00,	0.00)	DC	33.	0.00068 (10040209) AT (	200.00,	0.00)	DC
9.	0.00284 (10040209) AT (	100.00,	0.00)	DC	34.	0.00068 (10040217) AT (	200.00,	0.00)	DC
10.	0.00284 (10040217) AT (	100.00,	0.00)	DC	35.	0.00068 (10040218) AT (	200.00,	0.00)	DC
11.	0.00284 (10040218) AT (	100.00,	0.00)	DC	36.	0.00068 (10040219) AT (	200.00,	0.00)	DC
12.	0.00284 (10040219) AT (	100.00,	0.00)	DC	37.	0.00068 (10040220) AT (	200.00,	0.00)	DC
13.	0.00284 (10040220) AT (	100.00,	0.00)	DC	38.	0.00068 (10040221) AT (	200.00,	0.00)	DC
14.	0.00284 (10040221) AT (	100.00,	0.00)	DC	39.	0.00068 (10040222) AT (	200.00,	0.00)	DC
15.	0.00284 (10040222) AT (	100.00,	0.00)	DC	40.	0.00068 (10040223) AT (	200.00,	0.00)	DC
16.	0.00284 (10040223) AT (	100.00,	0.00)	DC	41.	0.00068 (10040224) AT (	200.00,	0.00)	DC
17.	0.00284 (10040224) AT (	100.00,	0.00)	DC	42.	0.00044 (10040210) AT (	200.00,	0.00)	DC
18.	0.00195 (10040210) AT (	100.00,	0.00)	DC	43.	0.00044 (10040211) AT (	200.00,	0.00)	DC
19.	0.00195 (10040211) AT (	100.00,	0.00)	DC	44.	0.00044 (10040212) AT (	200.00,	0.00)	DC
20.	0.00195 (10040212) AT (	100.00,	0.00)	DC	45.	0.00044 (10040213) AT (	200.00,	0.00)	DC
21.	0.00195 (10040213) AT (	100.00,	0.00)	DC	46.	0.00044 (10040214) AT (	200.00,	0.00)	DC
22.	0.00195 (10040214) AT (	100.00,	0.00)	DC	47.	0.00044 (10040215) AT (	200.00,	0.00)	DC
23.	0.00195 (10040215) AT (	100.00,	0.00)	DC	48.	0.00044 (10040216) AT (	200.00,	0.00)	DC
24.	0.00195 (10040216) AT (	100.00,	0.00)	DC	49.	0.00044 (10040201) AT (	300.00,	0.00)	DC
25.	0.00068 (10040201) AT (	200.00,	0.00)	DC	50.	0.00044 (10040202) AT (	300.00,	0.00)	DC

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

CONC RURAL ELEV FLGPOL DFAULT

*** THE MAXIMUM 50 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE

GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

** CONC OF TSP IN GRAMS/CUBIC-METER **

RANK	CONC	(YYMMDDHH) AT	RECEPTOR (XR,YR) OF TYPE	RANK	CONC	(YYMMDDHH) AT	RECEPTOR (XR,YR) OF TYPE
1.	0.00258	(10040224) AT	(100.00, 0.00) DC	26.	0.00000	(00000000) AT	(0.00, 0.00)
2.	0.00061	(10040224) AT	(200.00, 0.00) DC	27.	0.00000	(00000000) AT	(0.00, 0.00)
3.	0.00040	(10040224) AT	(300.00, 0.00) DC	28.	0.00000	(00000000) AT	(0.00, 0.00)
4.	0.00030	(10040224) AT	(400.00, 0.00) DC	29.	0.00000	(00000000) AT	(0.00, 0.00)
5.	0.00025	(10040224) AT	(500.00, 0.00) DC	30.	0.00000	(00000000) AT	(0.00, 0.00)
6.	0.00021	(10040224) AT	(600.00, 0.00) DC	31.	0.00000	(00000000) AT	(0.00, 0.00)
7.	0.00018	(10040224) AT	(700.00, 0.00) DC	32.	0.00000	(00000000) AT	(0.00, 0.00)
8.	0.00015	(10040224) AT	(800.00, 0.00) DC	33.	0.00000	(00000000) AT	(0.00, 0.00)
9.	0.00013	(10040224) AT	(900.00, 0.00) DC	34.	0.00000	(00000000) AT	(0.00, 0.00)
10.	0.00012	(10040224) AT	(1000.00, 0.00) DC	35.	0.00000	(00000000) AT	(0.00, 0.00)
11.	0.00000	(00000000) AT	(0.00, 0.00)	36.	0.00000	(00000000) AT	(0.00, 0.00)
12.	0.00000	(00000000) AT	(0.00, 0.00)	37.	0.00000	(00000000) AT	(0.00, 0.00)
13.	0.00000	(00000000) AT	(0.00, 0.00)	38.	0.00000	(00000000) AT	(0.00, 0.00)
14.	0.00000	(00000000) AT	(0.00, 0.00)	39.	0.00000	(00000000) AT	(0.00, 0.00)
15.	0.00000	(00000000) AT	(0.00, 0.00)	40.	0.00000	(00000000) AT	(0.00, 0.00)
16.	0.00000	(00000000) AT	(0.00, 0.00)	41.	0.00000	(00000000) AT	(0.00, 0.00)
17.	0.00000	(00000000) AT	(0.00, 0.00)	42.	0.00000	(00000000) AT	(0.00, 0.00)
18.	0.00000	(00000000) AT	(0.00, 0.00)	43.	0.00000	(00000000) AT	(0.00, 0.00)
19.	0.00000	(00000000) AT	(0.00, 0.00)	44.	0.00000	(00000000) AT	(0.00, 0.00)
20.	0.00000	(00000000) AT	(0.00, 0.00)	45.	0.00000	(00000000) AT	(0.00, 0.00)
21.	0.00000	(00000000) AT	(0.00, 0.00)	46.	0.00000	(00000000) AT	(0.00, 0.00)
22.	0.00000	(00000000) AT	(0.00, 0.00)	47.	0.00000	(00000000) AT	(0.00, 0.00)
23.	0.00000	(00000000) AT	(0.00, 0.00)	48.	0.00000	(00000000) AT	(0.00, 0.00)
24.	0.00000	(00000000) AT	(0.00, 0.00)	49.	0.00000	(00000000) AT	(0.00, 0.00)
25.	0.00000	(00000000) AT	(0.00, 0.00)	50.	0.00000	(00000000) AT	(0.00, 0.00)

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

CONC RURAL ELEV FLGPOL DFAULT

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

** CONC OF TSP IN GRAMS/CUBIC-METER **

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

ALL HIGH 1ST HIGH VALUE IS 0.00284 ON 10040201: AT (100.00, 0.00, 920.00, 0.00) DC
NA
HIGH 2ND HIGH VALUE IS 0.00284 ON 10040202: AT (100.00, 0.00, 920.00, 0.00) DC
NA

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/02/10
*** *** 15:02:08
**MODELOPTs: PAGE 14
CONC RURAL ELEV FLGPOL DFAULT

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

** CONC OF TSP IN GRAMS/CUBIC-METER **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	NETWORK RECEPTOR (XR, YR, ZELEV, ZFLAG) OF TYPE GRID-ID
ALL	1ST HIGH VALUE IS	0.00258	ON 10040224: AT (100.00, 0.00, 920.00, 0.00) DC
	2ND HIGH VALUE IS	0.00000	ON 00000000: AT (0.00, 0.00, 0.00, 0.00)

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/02/10
*** *** 15:02:08
**MODELOPTs: PAGE 15
CONC RURAL ELEV FLGPOL DFAULT

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

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

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

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

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

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

```
CO STARTING
CO TITLEONE RUN1
CO MODELOPT DFAULT CONC RURAL
CO AVERTIME  1 24
co terrhgts elev
co flagpole 0.0
CO POLLUTID TSP
CO DCAYCOEF      .00000000
CO RUNORNOT RUN
CO ERRORFIL ERRORS.LST
CO FINISHED


SO STARTING

**        SRCID  SRCTYP    XS      YS      ZS
**        ----- ------  -----   -----    -----
SO LOCATION    1    AREA     0.      0.     .0000

**        SRCID    QS      HS     XINIT   YINIT
**        -----  ----    ----   -----  -----
SO SRCPARAM     1   0.00020    0.0     100.     50.

SO EMISUNIT     1.0 (GRAMS/(SEC-M**2))          grams/cubic-meter

SO SRCGROUP ALL
SO FINISHED


RE STARTING
RE DISCCART    100.     0.  920.   0.0
RE DISCCART    200.     0.  940.   0.0
RE DISCCART    300.     0.  950.   0.0
RE DISCCART    400.     0.  945.   0.0
RE DISCCART    500.     0.  945.   0.0
RE DISCCART    600.     0.  940.   0.0
RE DISCCART    700.     0.  940.   0.0
RE DISCCART    800.     0.  935.   0.0
RE DISCCART    900.     0.  930.   0.0
RE DISCCART   1000.     0.  930.   0.0
RE FINISHED


ME STARTING
ME INPUTFIL  APR.MET
ME ANEMHGHT     3.0 METERS
ME SURFDATA  99999   2010          SURFNAME
ME UAIRDATA  99999   2010          UAIRNAME
ME WINDCATS    1.54    3.09    5.14    8.23   10.80
ME FINISHED
```

OU STARTING
OU RECTABLE ALLAVE FIRST SECOND
OU MAXTABLE ALLAVE 50
OU FINISHED

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

CONC RURAL ELEV FLGPOL DFAULT

*** MODEL SETUP OPTIONS SUMMARY ***

**Intermediate Terrain Processing is Selected

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

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

**Model Uses RURAL Dispersion.

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

**Model Accepts Receptors on ELEV Terrain.

**Model Accepts FLAGPOLE Receptor Heights.

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

**This Run Includes: 1 Source(s); 1 Source Group(s); and 10 Receptor(s)

**The Model Assumes A Pollutant Type of: TSP

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

**Output Options Selected:

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs Tables of Overall Maximum Short Term Values (MAXTABLE Keyword)

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

**Misc. Inputs: Anem. Hgt. (m) = 3.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = (GRAMS/(SEC-M**2)) ; Emission Rate Unit Factor = 1.0000
Output Units = GRAMS/CUBIC-METER

**Approximate Storage Requirements of Model = 1.2 MB of RAM.

**Input Runstream File: MONTHLY.INP
**Output Print File: APR.OUT
**Detailed Error/Message File: ERRORS.LST
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:39:42
**MODELOPTs: PAGE 2
CONC RURAL ELEV FLGPOL DFAULT

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (USER UNITS /METER**2)	COORD (SW CORNER) X (METERS)	COORD (SW CORNER) Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	EMISSION RATE SCALAR VARY BY
1	0	0.20000E-03	0.0	0.0	0.0	0.00	100.00	50.00	0.00	0.00	

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:39:42
**MODELOPTs: PAGE 3
CONC RURAL ELEV FLGPOL DFAULT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	1 ,

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:39:42
**MODELOPTs: PAGE 4
CONC RURAL ELEV FLGPOL DFAULT

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

(100.0, 0.0, 920.0, 0.0); (200.0, 0.0, 940.0, 0.0);
(300.0, 0.0, 950.0, 0.0); (400.0, 0.0, 945.0, 0.0);
(500.0, 0.0, 945.0, 0.0); (600.0, 0.0, 940.0, 0.0);
(700.0, 0.0, 940.0, 0.0); (800.0, 0.0, 935.0, 0.0);
(900.0, 0.0, 930.0, 0.0); (1000.0, 0.0, 930.0, 0.0);

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

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

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

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

1.54, 3.09, 5.14, 8.23, 10.80,

*** WIND PROFILE EXPONENTS ***

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

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

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

CONC RURAL ELEV FLGPOL DFAULT

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

FILE: APR.MET
FORMAT: (4I2,2F9.4,F6.1,I2,2F7.1,f9.4,f10.1,f8.4,i4,f7.2)
SURFACE STATION NO.: 99999 UPPER AIR STATION NO.: 99999
NAME: SURFNAME NAME: UAIRNAME
YEAR: 2010 YEAR: 2010

YR	MN	DY	HR	FLOW VECTOR	SPEED (M/S)	TEMP (K)	STAB CLASS	MIXING HEIGHT (M) RURAL	MIXING HEIGHT (M) URBAN	USTAR (M/S)	M-O LENGTH (M)	Z-0 (M)	IPCODE	PRATE (mm/HR)
10	04	02	01	94.1	3.34	266.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	04	02	02	108.1	3.53	266.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	04	02	03	95.5	4.45	266.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	04	02	04	102.5	4.45	266.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	04	02	05	91.3	4.27	266.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	04	02	06	98.3	4.45	265.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	04	02	07	96.9	4.45	265.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	04	02	08	95.5	3.90	265.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	04	02	09	89.9	4.27	265.2	6	577.0	577.0	0.0000	0.0	0.0000	0	0.00
10	04	02	10	88.4	3.15	265.2	5	640.0	640.0	0.0000	0.0	0.0000	0	0.00
10	04	02	11	94.1	4.82	265.7	5	731.0	731.0	0.0000	0.0	0.0000	0	0.00
10	04	02	12	108.1	4.82	266.7	5	833.0	833.0	0.0000	0.0	0.0000	0	0.00
10	04	02	13	102.5	4.82	267.2	5	933.0	933.0	0.0000	0.0	0.0000	0	0.00
10	04	02	14	99.7	4.64	267.7	5	1023.0	1023.0	0.0000	0.0	0.0000	0	0.00
10	04	02	15	101.1	4.64	268.2	5	1098.0	1098.0	0.0000	0.0	0.0000	0	0.00
10	04	02	16	82.8	4.27	269.2	5	1153.0	1153.0	0.0000	0.0	0.0000	0	0.00
10	04	02	17	102.5	4.45	269.6	6	1185.0	1185.0	0.0000	0.0	0.0000	0	0.00
10	04	02	18	110.9	5.38	269.6	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	04	02	19	113.7	4.08	270.1	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	04	02	20	92.7	2.60	268.7	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	04	02	21	80.0	1.86	268.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	04	02	22	88.4	2.60	267.7	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	04	02	23	95.5	3.71	267.7	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
10	04	02	24	91.3	4.27	267.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00

*** NOTES: STABILITY CLASS 1=A, 2=B, 3=C, 4=D, 5=E AND 6=F.
FLOW VECTOR IS DIRECTION TOWARD WHICH WIND IS BLOWING.

CONC RURAL ELEV FLGPOL DFAULT

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00693	(10040220)	200.00	0.00	0.00172	(10040220)
300.00	0.00	0.00113	(10040220)	400.00	0.00	0.00087	(10040220)
500.00	0.00	0.00069	(10040220)	600.00	0.00	0.00054	(10040220)
700.00	0.00	0.00042	(10040220)	800.00	0.00	0.00034	(10040220)
900.00	0.00	0.00027	(10040220)	1000.00	0.00	0.00022	(10040220)

CONC RURAL ELEV FLGPOL DFAULT

*** THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00614	(10040202)	200.00	0.00	0.00147	(10040201)
300.00	0.00	0.00096	(10040201)	400.00	0.00	0.00071	(10040201)
500.00	0.00	0.00052	(10040201)	600.00	0.00	0.00036	(10040201)
700.00	0.00	0.00025	(10040201)	800.00	0.00	0.00021	(10040205)
900.00	0.00	0.00018	(10040205)	1000.00	0.00	0.00015	(10040205)

CONC RURAL ELEV FLGPOL DFAULT

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00382	(10040224)	200.00	0.00	0.00080	(10040224)
300.00	0.00	0.00040	(10040224)	400.00	0.00	0.00025	(10040224)
500.00	0.00	0.00017	(10040224)	600.00	0.00	0.00012	(10040224)
700.00	0.00	0.00009	(10040224)	800.00	0.00	0.00007	(10040224)
900.00	0.00	0.00005	(10040224)	1000.00	0.00	0.00004	(10040224)

CONC RURAL ELEV FLGPOL DFAULT

*** THE 2ND HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00000	(00000000)	200.00	0.00	0.00000	(00000000)
300.00	0.00	0.00000	(00000000)	400.00	0.00	0.00000	(00000000)
500.00	0.00	0.00000	(00000000)	600.00	0.00	0.00000	(00000000)
700.00	0.00	0.00000	(00000000)	800.00	0.00	0.00000	(00000000)
900.00	0.00	0.00000	(00000000)	1000.00	0.00	0.00000	(00000000)

CONC RURAL ELEV FLGPOL DFAULT

*** THE MAXIMUM 50 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

** CONC OF TSP IN GRAMS/CUBIC-METER **

RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)		OF TYPE
1.	0.00693	(10040220)	AT	(100.00,	0.00)	DC
2.	0.00614	(10040202)	AT	(100.00,	0.00)	DC
3.	0.00599	(10040201)	AT	(100.00,	0.00)	DC
4.	0.00564	(10040223)	AT	(100.00,	0.00)	DC
26.	0.00129	(10040208)	AT	(200.00,	0.00)	DC
27.	0.00114	(10040206)	AT	(200.00,	0.00)	DC
28.	0.00114	(10040207)	AT	(200.00,	0.00)	DC
29.	0.00113	(10040220)	AT	(300.00,	0.00)	DC

5.	0.00537 (10040219) AT (	100.00,	0.00)	DC	30.	0.00113 (10040203) AT (	200.00,	0.00)	DC
6.	0.00537 (10040208) AT (	100.00,	0.00)	DC	31.	0.00111 (10040204) AT (	200.00,	0.00)	DC
7.	0.00483 (10040204) AT (	100.00,	0.00)	DC	32.	0.00111 (10040217) AT (	200.00,	0.00)	DC
8.	0.00483 (10040217) AT (	100.00,	0.00)	DC	33.	0.00096 (10040201) AT (	300.00,	0.00)	DC
9.	0.00480 (10040206) AT (	100.00,	0.00)	DC	34.	0.00088 (10040223) AT (	300.00,	0.00)	DC
10.	0.00478 (10040207) AT (	100.00,	0.00)	DC	35.	0.00088 (10040202) AT (	200.00,	0.00)	DC
11.	0.00470 (10040203) AT (	100.00,	0.00)	DC	36.	0.00087 (10040220) AT (	400.00,	0.00)	DC
12.	0.00405 (10040218) AT (	100.00,	0.00)	DC	37.	0.00085 (10040205) AT (	200.00,	0.00)	DC
13.	0.00343 (10040205) AT (	100.00,	0.00)	DC	38.	0.00085 (10040224) AT (	200.00,	0.00)	DC
14.	0.00343 (10040224) AT (	100.00,	0.00)	DC	39.	0.00084 (10040208) AT (	300.00,	0.00)	DC
15.	0.00316 (10040215) AT (	100.00,	0.00)	DC	40.	0.00073 (10040203) AT (	300.00,	0.00)	DC
16.	0.00314 (10040214) AT (	100.00,	0.00)	DC	41.	0.00072 (10040207) AT (	300.00,	0.00)	DC
17.	0.00308 (10040212) AT (	100.00,	0.00)	DC	42.	0.00071 (10040201) AT (	400.00,	0.00)	DC
18.	0.00306 (10040213) AT (	100.00,	0.00)	DC	43.	0.00071 (10040214) AT (	200.00,	0.00)	DC
19.	0.00257 (10040211) AT (	100.00,	0.00)	DC	44.	0.00069 (10040215) AT (	200.00,	0.00)	DC
20.	0.00242 (10040209) AT (	100.00,	0.00)	DC	45.	0.00069 (10040220) AT (	500.00,	0.00)	DC
21.	0.00224 (10040222) AT (	100.00,	0.00)	DC	46.	0.00067 (10040206) AT (	300.00,	0.00)	DC
22.	0.00172 (10040220) AT (	200.00,	0.00)	DC	47.	0.00064 (10040213) AT (	200.00,	0.00)	DC
23.	0.00160 (10040210) AT (	100.00,	0.00)	DC	48.	0.00061 (10040211) AT (	200.00,	0.00)	DC
24.	0.00147 (10040201) AT (	200.00,	0.00)	DC	49.	0.00060 (10040223) AT (	400.00,	0.00)	DC
25.	0.00136 (10040223) AT (	200.00,	0.00)	DC	50.	0.00057 (10040208) AT (	400.00,	0.00)	DC

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

CONC RURAL ELEV FLGPOL DFAULT

*** THE MAXIMUM 50 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE

GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

** CONC OF TSP IN GRAMS/CUBIC-METER **

RANK	CONC	(YYMMDDHH) AT	RECEPTOR (XR,YR) OF TYPE	RANK	CONC	(YYMMDDHH) AT	RECEPTOR (XR,YR) OF TYPE
1.	0.00382	(10040224) AT	(100.00, 0.00) DC	26.	0.00000	(00000000) AT	(0.00, 0.00)
2.	0.00080	(10040224) AT	(200.00, 0.00) DC	27.	0.00000	(00000000) AT	(0.00, 0.00)
3.	0.00040	(10040224) AT	(300.00, 0.00) DC	28.	0.00000	(00000000) AT	(0.00, 0.00)
4.	0.00025	(10040224) AT	(400.00, 0.00) DC	29.	0.00000	(00000000) AT	(0.00, 0.00)
5.	0.00017	(10040224) AT	(500.00, 0.00) DC	30.	0.00000	(00000000) AT	(0.00, 0.00)
6.	0.00012	(10040224) AT	(600.00, 0.00) DC	31.	0.00000	(00000000) AT	(0.00, 0.00)
7.	0.00009	(10040224) AT	(700.00, 0.00) DC	32.	0.00000	(00000000) AT	(0.00, 0.00)
8.	0.00007	(10040224) AT	(800.00, 0.00) DC	33.	0.00000	(00000000) AT	(0.00, 0.00)
9.	0.00005	(10040224) AT	(900.00, 0.00) DC	34.	0.00000	(00000000) AT	(0.00, 0.00)
10.	0.00004	(10040224) AT	(1000.00, 0.00) DC	35.	0.00000	(00000000) AT	(0.00, 0.00)
11.	0.00000	(00000000) AT	(0.00, 0.00)	36.	0.00000	(00000000) AT	(0.00, 0.00)
12.	0.00000	(00000000) AT	(0.00, 0.00)	37.	0.00000	(00000000) AT	(0.00, 0.00)
13.	0.00000	(00000000) AT	(0.00, 0.00)	38.	0.00000	(00000000) AT	(0.00, 0.00)
14.	0.00000	(00000000) AT	(0.00, 0.00)	39.	0.00000	(00000000) AT	(0.00, 0.00)
15.	0.00000	(00000000) AT	(0.00, 0.00)	40.	0.00000	(00000000) AT	(0.00, 0.00)
16.	0.00000	(00000000) AT	(0.00, 0.00)	41.	0.00000	(00000000) AT	(0.00, 0.00)
17.	0.00000	(00000000) AT	(0.00, 0.00)	42.	0.00000	(00000000) AT	(0.00, 0.00)
18.	0.00000	(00000000) AT	(0.00, 0.00)	43.	0.00000	(00000000) AT	(0.00, 0.00)
19.	0.00000	(00000000) AT	(0.00, 0.00)	44.	0.00000	(00000000) AT	(0.00, 0.00)
20.	0.00000	(00000000) AT	(0.00, 0.00)	45.	0.00000	(00000000) AT	(0.00, 0.00)
21.	0.00000	(00000000) AT	(0.00, 0.00)	46.	0.00000	(00000000) AT	(0.00, 0.00)
22.	0.00000	(00000000) AT	(0.00, 0.00)	47.	0.00000	(00000000) AT	(0.00, 0.00)
23.	0.00000	(00000000) AT	(0.00, 0.00)	48.	0.00000	(00000000) AT	(0.00, 0.00)
24.	0.00000	(00000000) AT	(0.00, 0.00)	49.	0.00000	(00000000) AT	(0.00, 0.00)
25.	0.00000	(00000000) AT	(0.00, 0.00)	50.	0.00000	(00000000) AT	(0.00, 0.00)

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

CONC RURAL ELEV FLGPOL DFAULT

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

** CONC OF TSP IN GRAMS/CUBIC-METER **

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

ALL HIGH 1ST HIGH VALUE IS 0.00693 ON 10040220: AT (100.00, 0.00, 920.00, 0.00) DC NA
HIGH 2ND HIGH VALUE IS 0.00614 ON 10040202: AT (100.00, 0.00, 920.00, 0.00) DC NA

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:39:42
**MODELOPTs: PAGE 14
CONC RURAL ELEV FLGPOL DFAULT

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

** CONC OF TSP IN GRAMS/CUBIC-METER **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	NETWORK RECEPTOR (XR, YR, ZELEV, ZFLAG) OF TYPE GRID-ID
ALL	1ST HIGH VALUE IS	0.00382	ON 10040224: AT (100.00, 0.00, 920.00, 0.00) DC NA
	2ND HIGH VALUE IS	0.00000	ON 00000000: AT (0.00, 0.00, 0.00, 0.00)

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:39:42
**MODELOPTs: PAGE 15
CONC RURAL ELEV FLGPOL DFAULT

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

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

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

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

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

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

```
CO STARTING
CO TITLEONE RUN1
CO MODELOPT DFAULT CONC RURAL
CO AVERTIME  1 24
co terrhgts elev
co flagpole 0.0
CO POLLUTID TSP
CO DCAYCOEF      .00000000
CO RUNORNOT RUN
CO ERRORFIL ERRORS.LST
CO FINISHED


SO STARTING

**        SRCID  SRCTYP    XS      YS      ZS
**        ----- ------  -----   -----    -----
SO LOCATION    1    AREA     0.      0.     .0000

**        SRCID    QS      HS     XINIT   YINIT
**        -----  ----    ----   -----  -----
SO SRCPARAM     1   0.00012    0.0     100.     50.

SO EMISUNIT     1.0 (GRAMS/(SEC-M**2))          grams/cubic-meter

SO SRCGROUP ALL
SO FINISHED


RE STARTING
RE DISCCART    100.     0.  920.   0.0
RE DISCCART    200.     0.  940.   0.0
RE DISCCART    300.     0.  950.   0.0
RE DISCCART    400.     0.  945.   0.0
RE DISCCART    500.     0.  945.   0.0
RE DISCCART    600.     0.  940.   0.0
RE DISCCART    700.     0.  940.   0.0
RE DISCCART    800.     0.  935.   0.0
RE DISCCART    900.     0.  930.   0.0
RE DISCCART   1000.     0.  930.   0.0
RE FINISHED


ME STARTING
ME INPUTFIL  AUG.MET
ME ANEMHGHT     3.0 METERS
ME SURFDATA  99999   2010          SURFNAME
ME UAIRDATA  99999   2010          UAIRNAME
ME WINDCATS    1.54    3.09    5.14    8.23   10.80
ME FINISHED
```

OU STARTING
OU RECTABLE ALLAVE FIRST SECOND
OU MAXTABLE ALLAVE 50
OU FINISHED

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

CONC RURAL ELEV FLGPOL DFAULT

*** MODEL SETUP OPTIONS SUMMARY ***

**Intermediate Terrain Processing is Selected

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

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

**Model Uses RURAL Dispersion.

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

**Model Accepts Receptors on ELEV Terrain.

**Model Accepts FLAGPOLE Receptor Heights.

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

**This Run Includes: 1 Source(s); 1 Source Group(s); and 10 Receptor(s)

**The Model Assumes A Pollutant Type of: TSP

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

**Output Options Selected:

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs Tables of Overall Maximum Short Term Values (MAXTABLE Keyword)

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

**Misc. Inputs: Anem. Hgt. (m) = 3.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = (GRAMS/(SEC-M**2)) ; Emission Rate Unit Factor = 1.0000
Output Units = GRAMS/CUBIC-METER

**Approximate Storage Requirements of Model = 1.2 MB of RAM.

**Input Runstream File: MONTHLY.INP
**Output Print File: AUG.OUT
**Detailed Error/Message File: ERRORS.LST
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:41:55
**MODELOPTs: PAGE 2
CONC RURAL ELEV FLGPOL DFAULT

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (USER UNITS /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	EMISSION RATE SCALAR VARY BY
1	0	0.12000E-03	0.0	0.0	0.0	0.00	100.00	50.00	0.00	0.00	

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:41:55
**MODELOPTs: PAGE 3
CONC RURAL ELEV FLGPOL DFAULT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	1 ,

*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:41:55
**MODELOPTs: PAGE 4
CONC RURAL ELEV FLGPOL DFAULT

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

```
 (   100.0,      0.0,    920.0,      0.0);        (   200.0,      0.0,    940.0,      0.0);
 (   300.0,      0.0,    950.0,      0.0);        (   400.0,      0.0,    945.0,      0.0);
 (   500.0,      0.0,    945.0,      0.0);        (   600.0,      0.0,    940.0,      0.0);
 (   700.0,      0.0,    940.0,      0.0);        (   800.0,      0.0,    935.0,      0.0);
 (   900.0,      0.0,    930.0,      0.0);        (  1000.0,      0.0,    930.0,      0.0);
```


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

```
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
```

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

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

1.54,   3.09,   5.14,   8.23, 10.80,

*** WIND PROFILE EXPONENTS ***

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

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

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

CONC RURAL ELEV FLGPOL DFAULT

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

FILE: AUG.MET
FORMAT: (4I2,2F9.4,F6.1,I2,2F7.1,f9.4,f10.1,f8.4,i4,f7.2)
SURFACE STATION NO.: 99999 UPPER AIR STATION NO.: 99999
NAME: SURFNAME NAME: UAIRNAME
YEAR: 2010 YEAR: 2010

YR	MN	DY	HR	FLOW VECTOR	SPEED (M/S)	TEMP (K)	STAB CLASS	MIXING HEIGHT (M) RURAL	MIXING HEIGHT (M) URBAN	USTAR (M/S)	M-O LENGTH (M)	Z-0 (M)	IPCODE	PRATE (mm/HR)
08	08	12	01	174.1	0.19	278.4	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	08	12	02	30.9	1.11	278.0	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	08	12	03	74.4	1.86	277.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	08	12	04	85.6	1.86	277.2	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	08	12	05	47.7	1.48	277.6	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	08	12	06	99.7	2.78	276.3	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	08	12	07	89.9	2.04	276.7	5	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	08	12	08	94.1	2.23	277.2	5	230.0	230.0	0.0000	0.0	0.0000	0	0.00
08	08	12	09	91.3	1.86	278.8	5	377.0	377.0	0.0000	0.0	0.0000	0	0.00
08	08	12	10	82.8	1.48	281.2	5	533.0	533.0	0.0000	0.0	0.0000	0	0.00
08	08	12	11	91.3	2.41	282.0	5	686.0	686.0	0.0000	0.0	0.0000	0	0.00
08	08	12	12	36.5	2.04	282.8	5	830.0	830.0	0.0000	0.0	0.0000	0	0.00
08	08	12	13	53.3	1.86	282.0	5	960.0	960.0	0.0000	0.0	0.0000	0	0.00
08	08	12	14	352.4	2.04	282.4	4	1075.0	1075.0	0.0000	0.0	0.0000	0	0.00
08	08	12	15	115.1	3.90	283.2	4	1173.0	1173.0	0.0000	0.0	0.0000	0	0.00
08	08	12	16	127.8	4.08	282.8	4	1250.0	1250.0	0.0000	0.0	0.0000	0	0.00
08	08	12	17	126.4	3.71	280.4	5	1306.0	1306.0	0.0000	0.0	0.0000	0	0.00
08	08	12	18	78.6	2.04	280.0	5	1339.0	1339.0	0.0000	0.0	0.0000	0	0.00
08	08	12	19	103.9	2.41	279.6	5	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	08	12	20	96.9	3.15	280.0	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	08	12	21	98.3	2.97	280.0	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	08	12	22	95.5	3.15	280.4	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	08	12	23	98.3	2.78	280.0	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00
08	08	12	24	101.1	3.15	280.0	6	50.0	50.0	0.0000	0.0	0.0000	0	0.00

*** NOTES: STABILITY CLASS 1=A, 2=B, 3=C, 4=D, 5=E AND 6=F.
FLOW VECTOR IS DIRECTION TOWARD WHICH WIND IS BLOWING.

CONC RURAL ELEV FLGPOL DFAULT

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00998	(08081201)	200.00	0.00	0.00110	(08081223)
300.00	0.00	0.00064	(08081223)	400.00	0.00	0.00043	(08081222)
500.00	0.00	0.00027	(08081209)	600.00	0.00	0.00021	(08081209)
700.00	0.00	0.00017	(08081209)	800.00	0.00	0.00014	(08081209)
900.00	0.00	0.00012	(08081209)	1000.00	0.00	0.00010	(08081209)

CONC RURAL ELEV FLGPOL DFAULT

*** THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00461	(08081206)	200.00	0.00	0.00110	(08081206)
300.00	0.00	0.00062	(08081222)	400.00	0.00	0.00035	(08081208)
500.00	0.00	0.00026	(08081222)	600.00	0.00	0.00017	(08081208)
700.00	0.00	0.00013	(08081211)	800.00	0.00	0.00011	(08081211)
900.00	0.00	0.00009	(08081207)	1000.00	0.00	0.00008	(08081207)

CONC RURAL ELEV FLGPOL DFAULT

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00235	(08081224)	200.00	0.00	0.00039	(08081224)
300.00	0.00	0.00022	(08081224)	400.00	0.00	0.00011	(08081224)
500.00	0.00	0.00006	(08081224)	600.00	0.00	0.00004	(08081224)
700.00	0.00	0.00003	(08081224)	800.00	0.00	0.00002	(08081224)
900.00	0.00	0.00002	(08081224)	1000.00	0.00	0.00001	(08081224)

CONC RURAL ELEV FLGPOL DFAULT

*** THE 2ND HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TSP IN GRAMS/CUBIC-METER **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
100.00	0.00	0.00000	(00000000)	200.00	0.00	0.00000	(00000000)
300.00	0.00	0.00000	(00000000)	400.00	0.00	0.00000	(00000000)
500.00	0.00	0.00000	(00000000)	600.00	0.00	0.00000	(00000000)
700.00	0.00	0.00000	(00000000)	800.00	0.00	0.00000	(00000000)
900.00	0.00	0.00000	(00000000)	1000.00	0.00	0.00000	(00000000)

CONC RURAL ELEV FLGPOL DFAULT

*** THE MAXIMUM 50 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

** CONC OF TSP IN GRAMS/CUBIC-METER **

RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)		OF TYPE
1.	0.00998	(08081201)	AT	(100.00,	0.00)	DC
2.	0.00461	(08081206)	AT	(100.00,	0.00)	DC
3.	0.00461	(08081223)	AT	(100.00,	0.00)	DC
4.	0.00432	(08081221)	AT	(100.00,	0.00)	DC
26.	0.00062	(08081222)	AT	(300.00,	0.00)	DC
27.	0.00061	(08081220)	AT	(300.00,	0.00)	DC
28.	0.00060	(08081221)	AT	(300.00,	0.00)	DC
29.	0.00055	(08081206)	AT	(300.00,	0.00)	DC

5.	0.00408 (08081224) AT (	100.00,	0.00)	DC	30.	0.00054 (08081211) AT (	200.00,	0.00)	DC
6.	0.00405 (08081220) AT (	100.00,	0.00)	DC	31.	0.00051 (08081208) AT (	300.00,	0.00)	DC
7.	0.00399 (08081222) AT (	100.00,	0.00)	DC	32.	0.00048 (08081207) AT (	200.00,	0.00)	DC
8.	0.00367 (08081219) AT (	100.00,	0.00)	DC	33.	0.00045 (08081209) AT (	300.00,	0.00)	DC
9.	0.00334 (08081208) AT (	100.00,	0.00)	DC	34.	0.00043 (08081222) AT (	400.00,	0.00)	DC
10.	0.00296 (08081209) AT (	100.00,	0.00)	DC	35.	0.00036 (08081224) AT (	300.00,	0.00)	DC
11.	0.00229 (08081211) AT (	100.00,	0.00)	DC	36.	0.00035 (08081208) AT (	400.00,	0.00)	DC
12.	0.00225 (08081217) AT (	100.00,	0.00)	DC	37.	0.00035 (08081211) AT (	300.00,	0.00)	DC
13.	0.00211 (08081207) AT (	100.00,	0.00)	DC	38.	0.00035 (08081220) AT (	400.00,	0.00)	DC
14.	0.00186 (08081215) AT (	100.00,	0.00)	DC	39.	0.00034 (08081204) AT (	100.00,	0.00)	DC
15.	0.00165 (08081216) AT (	100.00,	0.00)	DC	40.	0.00034 (08081209) AT (	400.00,	0.00)	DC
16.	0.00110 (08081223) AT (	200.00,	0.00)	DC	41.	0.00031 (08081207) AT (	300.00,	0.00)	DC
17.	0.00110 (08081206) AT (	200.00,	0.00)	DC	42.	0.00027 (08081209) AT (	500.00,	0.00)	DC
18.	0.00103 (08081221) AT (	200.00,	0.00)	DC	43.	0.00027 (08081223) AT (	400.00,	0.00)	DC
19.	0.00097 (08081220) AT (	200.00,	0.00)	DC	44.	0.00026 (08081211) AT (	400.00,	0.00)	DC
20.	0.00096 (08081224) AT (	200.00,	0.00)	DC	45.	0.00026 (08081222) AT (	500.00,	0.00)	DC
21.	0.00096 (08081222) AT (	200.00,	0.00)	DC	46.	0.00025 (08081221) AT (	400.00,	0.00)	DC
22.	0.00079 (08081208) AT (	200.00,	0.00)	DC	47.	0.00024 (08081208) AT (	500.00,	0.00)	DC
23.	0.00073 (08081219) AT (	200.00,	0.00)	DC	48.	0.00023 (08081207) AT (	400.00,	0.00)	DC
24.	0.00070 (08081209) AT (	200.00,	0.00)	DC	49.	0.00022 (08081210) AT (	100.00,	0.00)	DC
25.	0.00064 (08081223) AT (	300.00,	0.00)	DC	50.	0.00021 (08081209) AT (	600.00,	0.00)	DC

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

CONC RURAL ELEV FLGPOL DFAULT

*** THE MAXIMUM 50 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE

GROUP: ALL ***
INCLUDING SOURCE(S): 1 ,

** CONC OF TSP IN GRAMS/CUBIC-METER **

RANK	CONC	(YYMMDDHH) AT	RECEPTOR (XR,YR) OF TYPE	RANK	CONC	(YYMMDDHH) AT	RECEPTOR (XR,YR) OF TYPE
1.	0.00235	(08081224) AT	(100.00, 0.00) DC	26.	0.00000	(00000000) AT	(0.00, 0.00)
2.	0.00039	(08081224) AT	(200.00, 0.00) DC	27.	0.00000	(00000000) AT	(0.00, 0.00)
3.	0.00022	(08081224) AT	(300.00, 0.00) DC	28.	0.00000	(00000000) AT	(0.00, 0.00)
4.	0.00011	(08081224) AT	(400.00, 0.00) DC	29.	0.00000	(00000000) AT	(0.00, 0.00)
5.	0.00006	(08081224) AT	(500.00, 0.00) DC	30.	0.00000	(00000000) AT	(0.00, 0.00)
6.	0.00004	(08081224) AT	(600.00, 0.00) DC	31.	0.00000	(00000000) AT	(0.00, 0.00)
7.	0.00003	(08081224) AT	(700.00, 0.00) DC	32.	0.00000	(00000000) AT	(0.00, 0.00)
8.	0.00002	(08081224) AT	(800.00, 0.00) DC	33.	0.00000	(00000000) AT	(0.00, 0.00)
9.	0.00002	(08081224) AT	(900.00, 0.00) DC	34.	0.00000	(00000000) AT	(0.00, 0.00)
10.	0.00001	(08081224) AT	(1000.00, 0.00) DC	35.	0.00000	(00000000) AT	(0.00, 0.00)
11.	0.00000	(00000000) AT	(0.00, 0.00)	36.	0.00000	(00000000) AT	(0.00, 0.00)
12.	0.00000	(00000000) AT	(0.00, 0.00)	37.	0.00000	(00000000) AT	(0.00, 0.00)
13.	0.00000	(00000000) AT	(0.00, 0.00)	38.	0.00000	(00000000) AT	(0.00, 0.00)
14.	0.00000	(00000000) AT	(0.00, 0.00)	39.	0.00000	(00000000) AT	(0.00, 0.00)
15.	0.00000	(00000000) AT	(0.00, 0.00)	40.	0.00000	(00000000) AT	(0.00, 0.00)
16.	0.00000	(00000000) AT	(0.00, 0.00)	41.	0.00000	(00000000) AT	(0.00, 0.00)
17.	0.00000	(00000000) AT	(0.00, 0.00)	42.	0.00000	(00000000) AT	(0.00, 0.00)
18.	0.00000	(00000000) AT	(0.00, 0.00)	43.	0.00000	(00000000) AT	(0.00, 0.00)
19.	0.00000	(00000000) AT	(0.00, 0.00)	44.	0.00000	(00000000) AT	(0.00, 0.00)
20.	0.00000	(00000000) AT	(0.00, 0.00)	45.	0.00000	(00000000) AT	(0.00, 0.00)
21.	0.00000	(00000000) AT	(0.00, 0.00)	46.	0.00000	(00000000) AT	(0.00, 0.00)
22.	0.00000	(00000000) AT	(0.00, 0.00)	47.	0.00000	(00000000) AT	(0.00, 0.00)
23.	0.00000	(00000000) AT	(0.00, 0.00)	48.	0.00000	(00000000) AT	(0.00, 0.00)
24.	0.00000	(00000000) AT	(0.00, 0.00)	49.	0.00000	(00000000) AT	(0.00, 0.00)
25.	0.00000	(00000000) AT	(0.00, 0.00)	50.	0.00000	(00000000) AT	(0.00, 0.00)

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

CONC RURAL ELEV FLGPOL DFAULT

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

** CONC OF TSP IN GRAMS/CUBIC-METER **

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

ALL HIGH 1ST HIGH VALUE IS 0.00998 ON 08081201: AT (100.00, 0.00, 920.00, 0.00) DC NA
HIGH 2ND HIGH VALUE IS 0.00461 ON 08081206: AT (100.00, 0.00, 920.00, 0.00) DC NA

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:41:55
**MODELOPTs: PAGE 14
CONC RURAL ELEV FLGPOL DFAULT

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

** CONC OF TSP IN GRAMS/CUBIC-METER **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	NETWORK RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	0.00235	ON 08081224: AT (100.00, 0.00, 920.00, 0.00)	DC NA
	HIGH 2ND HIGH VALUE IS	0.00000	ON 00000000: AT (0.00, 0.00, 0.00, 0.00)	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY
*** ISCST3 - VERSION 02035 *** *** RUN1 *** 09/10/10
*** *** 09:41:55
**MODELOPTs: PAGE 15
CONC RURAL ELEV FLGPOL DFAULT

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

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

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

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

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

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