

## File Names

15:04 Tuesday, April 14, 2009 1

File #	Original File Name
1	EPA_SS_ST_LOUIS_ECOC_24HOUR_20010414_20030720_V1.csv



## Dataset Key Phrases

Data Exchange Standard Version	Principal Investigator Name--last first	Principal Investigator Affiliation	File Contents Description--short long	Sampling Interval As Reported in Main Table
NARSTO 2005/04/29 (2.302)	Turner ; Dr. Jay	Washington University, Campus Box 1198, One Brookings Drive, St. Louis, MO 63130	PM-2.5_Filter_Carbon ; PM-2.5 Filter Carbon by Thermo-optical Transmission (ACE-ASIA protocol)	24 hour

Sampling Frequency Of Data in Main Table	Quality Control Level	Organization Acronym	Organization Name	Data Usage Acknowledgement	Study Or Network Acronym
Same as sampling interval	2	EPA_PM_SS	EPA Particulate Matter Supersites Program	St. Louis - Midwest Supersite, University of Wisconsin-Madison, and Washington University	EPA_SS_ST_LOUIS

Study Or Network Name	Country Code	State Or Province Code	Principal Investigator Contact Information	Co-investigator Name--last first	Co-investigator Affiliation
EPA_Supersites--St. Louis	US	IL	Dr. Jay Turner, Washington University, Campus Box 1198, One Brookings Drive, St. Louis, MO 63130; tel 314-935-5480; email JRTURNER@WUSTL.EDU	Schauer ; Dr. James	University of Wisconsin - Madison, 660 N. Park Street, Madison, WI, 53706

Name And Affiliation Of Person Who Generated This File	Date Of Last Modification To Data In Main Table	Name And Version Of Software Used To Create This File
Dr. Jay Turner, Washington University	2004/06/23	MS Excel 2003

Companion File Name format And Version	Date This File Generated archive Version Number	Table Explanation Of Zero Or Negative Values	Table Explanation Of Reported Detection Limit Values
None ; None	2006/05/10 ; 1	No zero values or negative values appear in the data in this file.	Detection limits to be addressed in the project final QA report.

Table Explanation Of Reported Uncertainty	Table User Note	Table User Note2	Table User Note3	Table User Note4
See *TABLE USER NOTE2	PM2.5 blank-corrected ECOG from integrated filter with offline thermo-optical analysis by ACE-ASIA method; see Bae, et al. (2004) Atmos. Environ, vol. 38, pp. 2885-2893	error structure a +bC, where C = OC or EC (EXPLANATION TO BE REFINED AFTER JAMIE SCHAUER RETURNS FROM TRAVEL IN MID-MAY)		

Table Name	Table Focus
PM2.5_Filter_Carbon	Surface--fixed

## Site Information

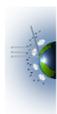
Site ID	Name	State Province code	Latitude: decimal degree	Longitude: decimal degree	Sampling height above ground (m)	Ground elevation above sea level (m)
ES2SUSILESL_	13th and Tudor, East St. Louis	IL	38.61220	-90.16030	5.0	135.0

Site ID	Site land use	Site location setting	Measurement start date	Measurement end date	Co-incident measurements	Study site ID	Lat lon accuracy
ES2SUSILESL_	Residential	Suburban	2001/04/13	2005/03/31	None	ESL	-999.9



## NARSTO Standard Flags

Flag: NARSTO	Description
H1	Historical data that have not been assessed or validated
M1	Missing value because no value is available
M2	Missing value because invalidated by data originator
V0	Valid value
V1	Valid value but comprised wholly or partially of below detection limit data
V2	Valid estimated value
V3	Valid interpolated value
V4	Valid value despite failing to meet some QC or statistical criteria
V5	Valid value but qualified because of possible contamination (e.g., pollution source, laboratory contamination source)
V6	Valid value but qualified due to non-standard sampling conditions (e.g., instrument malfunction, sample handling)
V7	Valid value but set equal to the detection limit (DL) because the measured value was below the DL

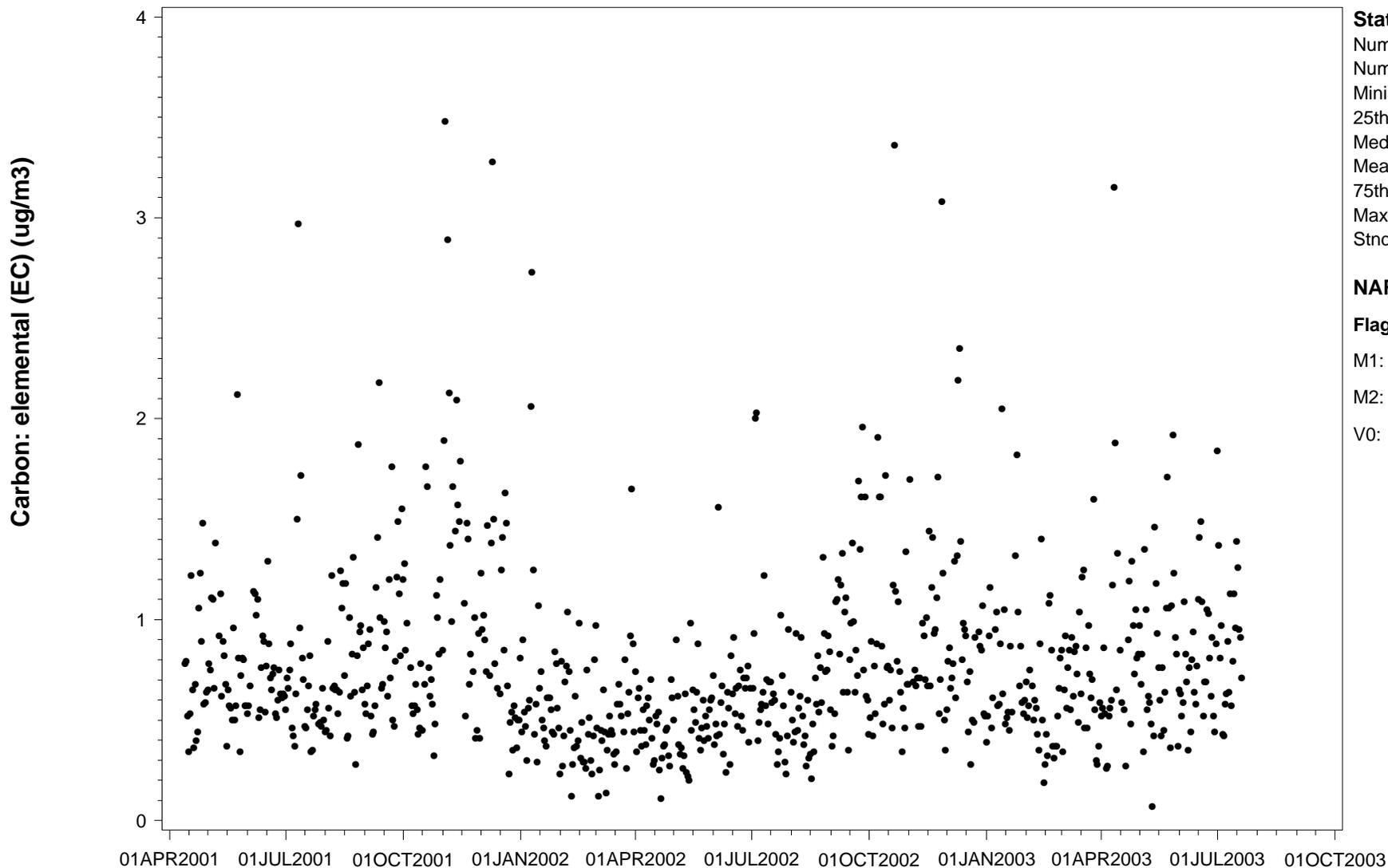


NARSTO Time Series Plot

14APR2009

Site ID: **ES2SUSILESL\_** Variable name: **Carbon: elemental (EC)** Units: **ug/m3** Basis: **Carbon denuder** Sampling interval: **24 hour**  
 Sampling frequency: **Same as sampling interval** Observation type: **Particles** Particle diameter--lower bound (UM): **0**  
 Particle diameter--upper bound (UM): **2.5** Field sampling or measurement principle: **Single filter** Medium: **Quartz** Inlet type: **Cyclone**  
 Laboratory analytical method: **Thermo-optical transmission** Blank Correction: **Blank corrected**  
 Volume standardization: **Ambient temperature and pressure** Sampling Height above ground (m): **5**  
 Instrument name and model number: **Sunset Laboratory Thermo-optical Carbon Aerosol Analysis Lab Instrument**  
 Measurement principal investigator: **Schauer, Dr. James** Detection Limit: **Not Available**

Site Name: **13th and Tudor, East St. Louis, Illinois** Latitude: **38.6122 deg.** Longitude: **-90.1603 deg.** Start Date: **2001-04-13** End Date: **2005-03-31**



**Statistics**

Number of obs: **829**  
 Number of missing: **32**  
 Minimum: **0.07**  
 25th Percentile: **0.49**  
 Median: **0.65**  
 Mean: **0.770**  
 75th Percentile: **0.92**  
 Maximum: **3.48**  
 Stnd Dev.: **0.445**

**NARSTO Flags**

**Flag Symbol Count**

M1:	16
M2:	16
V0:	● 797

Time Zone: CST

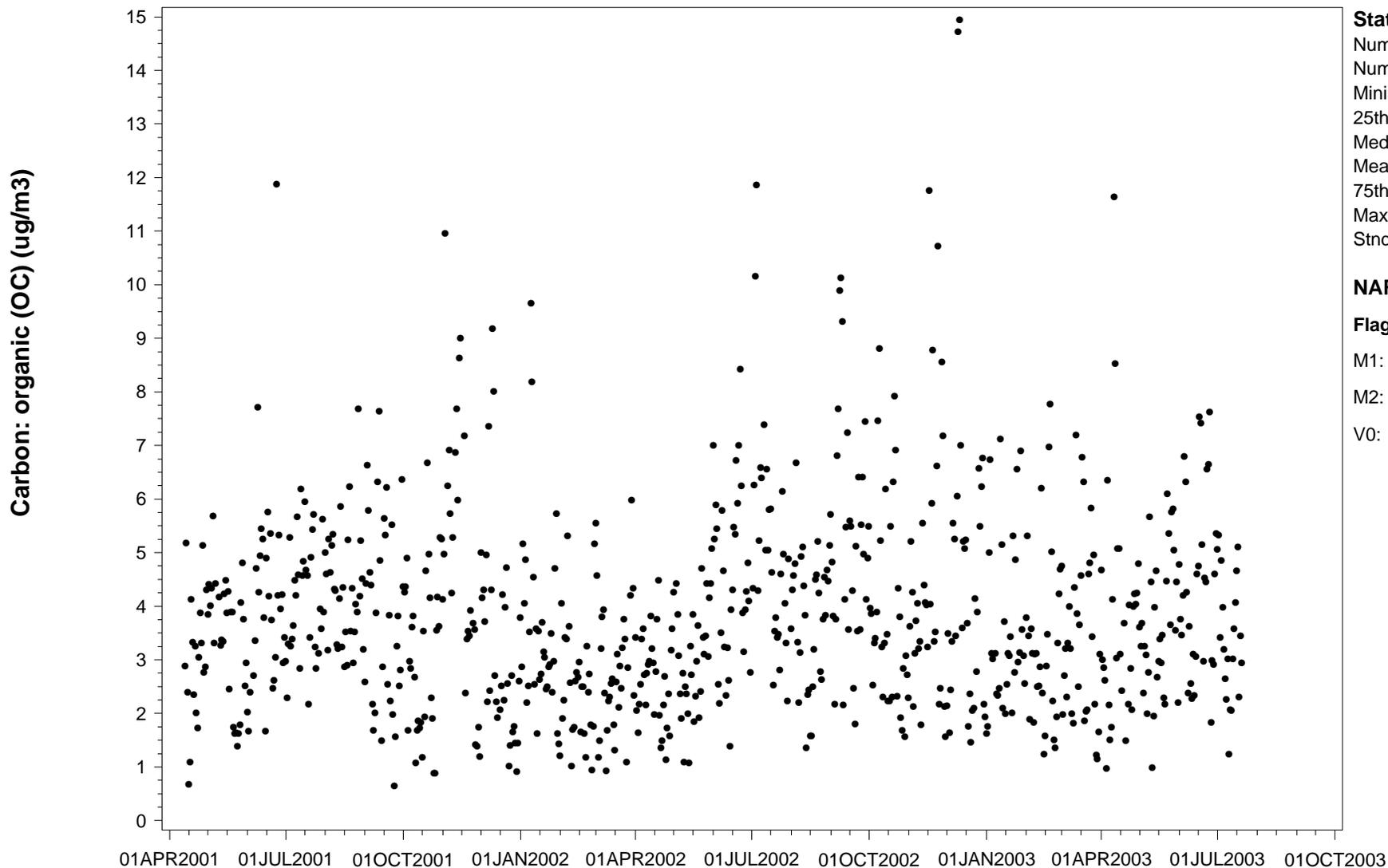


NARSTO Time Series Plot

14APR2009

Site ID: **ES2SUSILESL\_** Variable name: **Carbon: organic (OC)** Units: **ug/m3** Basis: **Carbon denuder** Sampling interval: **24 hour**  
 Sampling frequency: **Same as sampling interval** Observation type: **Particles** Particle diameter--lower bound (UM): **0**  
 Particle diameter--upper bound (UM): **2.5** Field sampling or measurement principle: **Single filter** Medium: **Quartz** Inlet type: **Cyclone**  
 Laboratory analytical method: **Thermo-optical transmission** Blank Correction: **Blank corrected**  
 Volume standardization: **Ambient temperature and pressure** Sampling Height above ground (m): **5**  
 Instrument name and model number: **Sunset Laboratory Thermo-optical Carbon Aerosol Analysis Lab Instrument**  
 Measurement principal investigator: **Schauer, Dr. James** Detection Limit: **Not Available**

Site Name: **13th and Tudor, East St. Louis, Illinois** Latitude: **38.6122 deg.** Longitude: **-90.1603 deg.** Start Date: **2001-04-13** End Date: **2005-03-31**



**Statistics**

Number of obs: **829**  
 Number of missing: **19**  
 Minimum: **0.65**  
 25th Percentile: **2.47**  
 Median: **3.52**  
 Mean: **3.818**  
 75th Percentile: **4.75**  
 Maximum: **14.94**  
 Stnd Dev.: **1.884**

**NARSTO Flags**

**Flag Symbol Count**

M1: **16**  
 M2: **3**  
 V0: ● **810**

Time Zone: CST

