File Names

File #	Original File Name
1	EPA_SS_LA_USC_PARTISOL_ELEMENT_20021017_20030611_V1.csv

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Data Exchange Standard Version	Principal Investigator Name--last first	Principal Investigator Affiliation	File Contents Description--short long	Sampllng Interval As Reported in Main Table
NARSTO 2002/05/28 (2.301)	Sioutas ; Constantinos	Department of Civil Engineering, University of Southern California, Los Angeles	Partisol Elements ; Concentrations of metals and elements in airborne particles that were collected by Partisol samplers	24 hour

Sampling Frequency Of Data in Main Table	Quality Control Level	Organization Acronym	Organization Name	Data Usage Acknowledgement	Study Or Network Acronym
Variable interval	2	EPA_PM_SS	EPA Particulate Matter Supersites Program	LA Supersites of the Southern California Particle Center and Supersite (SCPCS)	EPA_SS_LA

Study Or Network Name	Country Code	State Or Province Code	Principal Investigator Contact Information	Co-investigator Name--last first	Co-investigator Affiliation
EPA Supersites--Los Angeles	US (UNITED STATES)	CA	Costas Sioutas, Tel: 213-740-6134, Fax: 213-744-1426, e-mail: sioutas@rcf-fs.ucs.edu		

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
Rong Chun Yu, UCLA SCPCS	2004/01/08	MS-EXCEL 2000

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
	2004/01/08 ; 1	Some original concentrations less than 3*uncertainty (3*Sigma) or less than detection limit were recorded as '0' from the lab.	Detection Limits (DL) are reported for each variable and Partisol stage. DL for XRF (X-ray fluorescence) are listed on the Chester Lab Website: http://www.chesterlab.net/DL_pages_finals.htm. The DL was converted from (ug/filter) to (ug/m3) by dividing by the volume of air sampled.

Table Explanation Of Reported Uncertainty	Table User Note
Uncertainties are reported for each variable and Partisol stage from Chester Lab Data which were derived as 1 standard deviation (1 Sigma) from Gaussian Distribution. Uncertainty was converted from(ug/filter) to (ug/m3) by dividing by the volume of air sampled.	Original concentration (OC) greater than 3*uncertainty (3*Sigma), detection limit or (blank median*deposit area) were adjusted by the blank median as: Corrected Concentration=Original Concentration - (blank median*deposit area), where the deposit area data were from Chester Lab. At this site, blank sample size was 20. The medians for each metal/element are: Ag=0, Al=0, As=0, Ba=0.0155, Br=0,Ca=0.0007, Cd=0, Cl=0, Co=0, Cr=0.0004, Cu=0, Fe=0.0038, Ga=0, Ge=0.0004, Hg=0.0001, In=0, K=0, La=0, Mg=0.0005, Mn=0.0001, Mo=0, Na=0.0163, Ni=0, P=0, Pb=0, Pd=0, Rb=0, S=0.0013, Sb=0, Se=0, Si=0.0033, Sn=0.006, Sr=0.0001, Ti=0.0001, V=0, Y=0, Zn=0.0014, Zr=0.0003. The blank median was converted from (ug/cm2) to (ug/filter) as: Blank(ug/ filter)= Blank(ug/cm2) * Deposit Area(cm2/ filter).

Table User Note2	Table User Note3	Table User Note4	Table Name
Data Flagging: Original concentration (OC) was compared with 3*uncertainty (3*Sigma) and Detection Limit (DL). If OC < 3*Sigma < DL or DL<OC<3*Sigma then the OC was flagged as 'V4'. Similarly, if OC< DL <3*Sigma or 3*Sigma<OC<DL, it was given a flag of 'V1'. Otherwise, for OC > both DL and 3*Sigma, the label 'V0' was given. If OC> both DL and 3*Sigma but OC< (blank median*deposit area), a flag 'V4' was given.	Outliers were detected by a modified Z-score method. Statistical discussions about this method canbe found in 'Quality Control of Semi-Continuous Mobility Size-Fractionated Particle Number Concentration Data', Rong Chun Yu et al., 'Atmospheric Environment' 2003, in press. Flag 'V4' was given for the outliers.		Partisol Particle Conc.

Dataset Key Phrases

Table Focus
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)	Site land use	Site location setting
ES2LUSCA_USC	SCPCS PIU trailer at USC-California	CA	34.01917	-117.72278	2.13	59.7	Other	Urban and center city

Site ID	Measurement start date	Measurement end date	Co-incident measurements	Study site ID	Lat lon accuracy
ES2LUSCA_USC	2002/10/17	2003/06/11	Temperature, pressure, windspeed, wind direction, relative humidity, PAHs, EC/OC, element metals, nitrate, sulfate, particle mass/size distribution.	USC	4.0

NARSTO Standard Flags

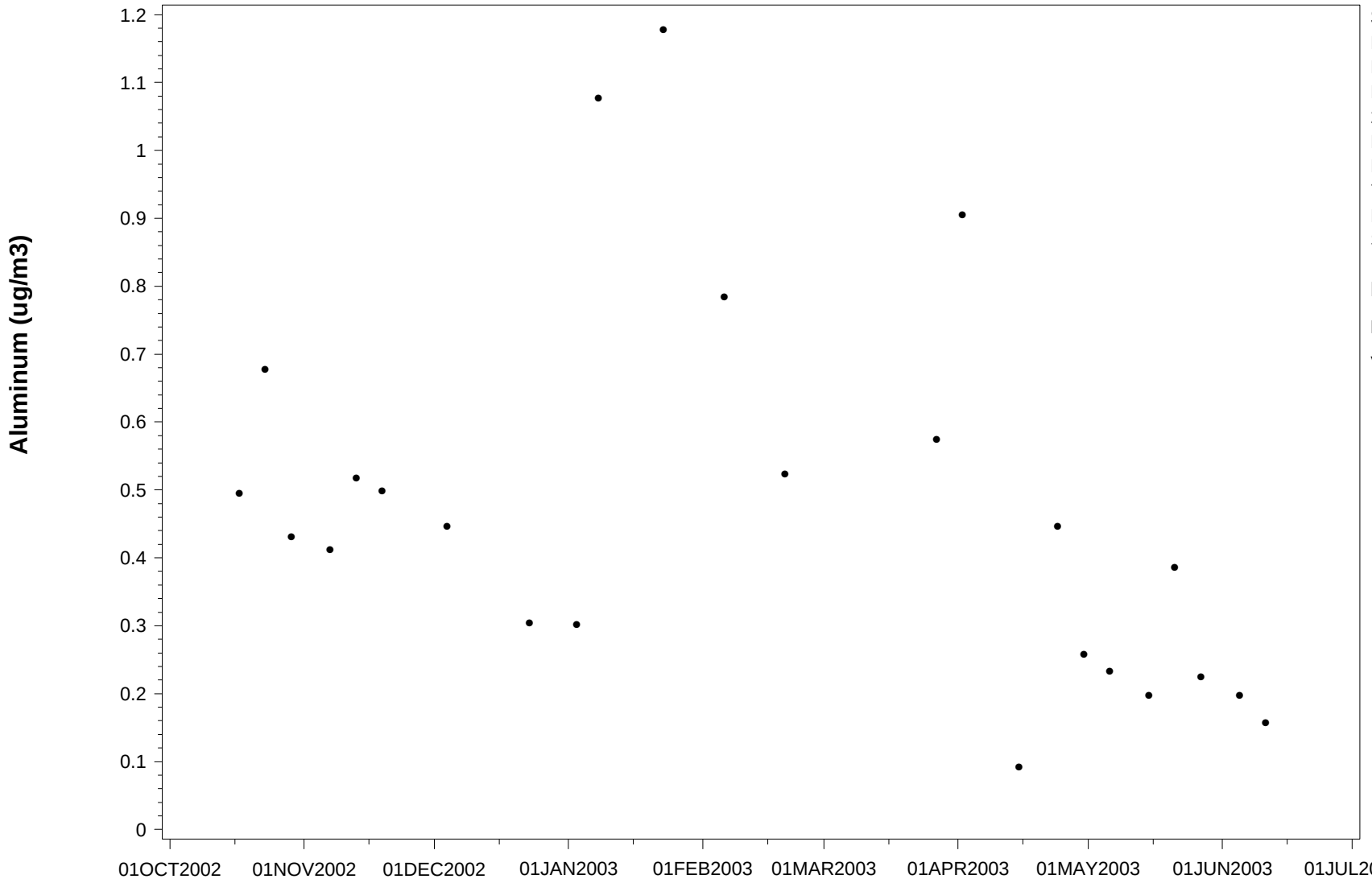
Flag: NARSTO	Description
M1	Missing value because no value is available
V0	Valid value
V1	Valid value but comprised wholly or partially of below detection limit data
V4	Valid value despite failing to meet some QC or statistical criteria

NARSTO Time Series Plot

15SEP2008

Site ID: **ES2LUSCA_USC** Variable name: **Aluminum** Units: **ug/m3** Sampling interval: **24 hour** CAS ID: **C7429-90-5** Observation type: **Particles**
Particle diameter--lower bound (UM): **2.50** Particle diameter--upper bound (UM): **10.00** Field sampling or measurement principle: **Impactor**
Medium: **Teflon** Inlet type: **Hat or hood** Laboratory analytical method: **XRF** Sample preparation: **Temperature and humidity equilibration**
Blank Correction: **Blank corrected** Volume standardization: **Ambient temperature and pressure** Sampling Height above ground (m): **2.13**
Instrument name and model number: **Partisol #2025-D** Measurement principal investigator: **Dr. Costas Sioutas**

Site Name:**SCPCS PIU trailer at USC-California, California** Latitude:**34.01917 deg.** Longitude:**-117.72278 deg.** Start Date:**2002-10-17** End Date:**2003-06-11**



Statistics

Number of obs: **24**
Number of missing: **0**
Minimum: **0.091667**
25th Percentile: **0.24525**
Median: **0.4385415**
Mean: **0.472**
75th Percentile: **0.548949**
Maximum: **1.17757**
Stnd Dev.: **0.283**

NARSTO Flags

Flag Symbol Count

V0: ● **24**

Time Zone: PDT/PST/PDT

File Name: NARSTO_EPA_SS_LA_USC_PARTISOL_ELEMENT_20021017-20030611.txt

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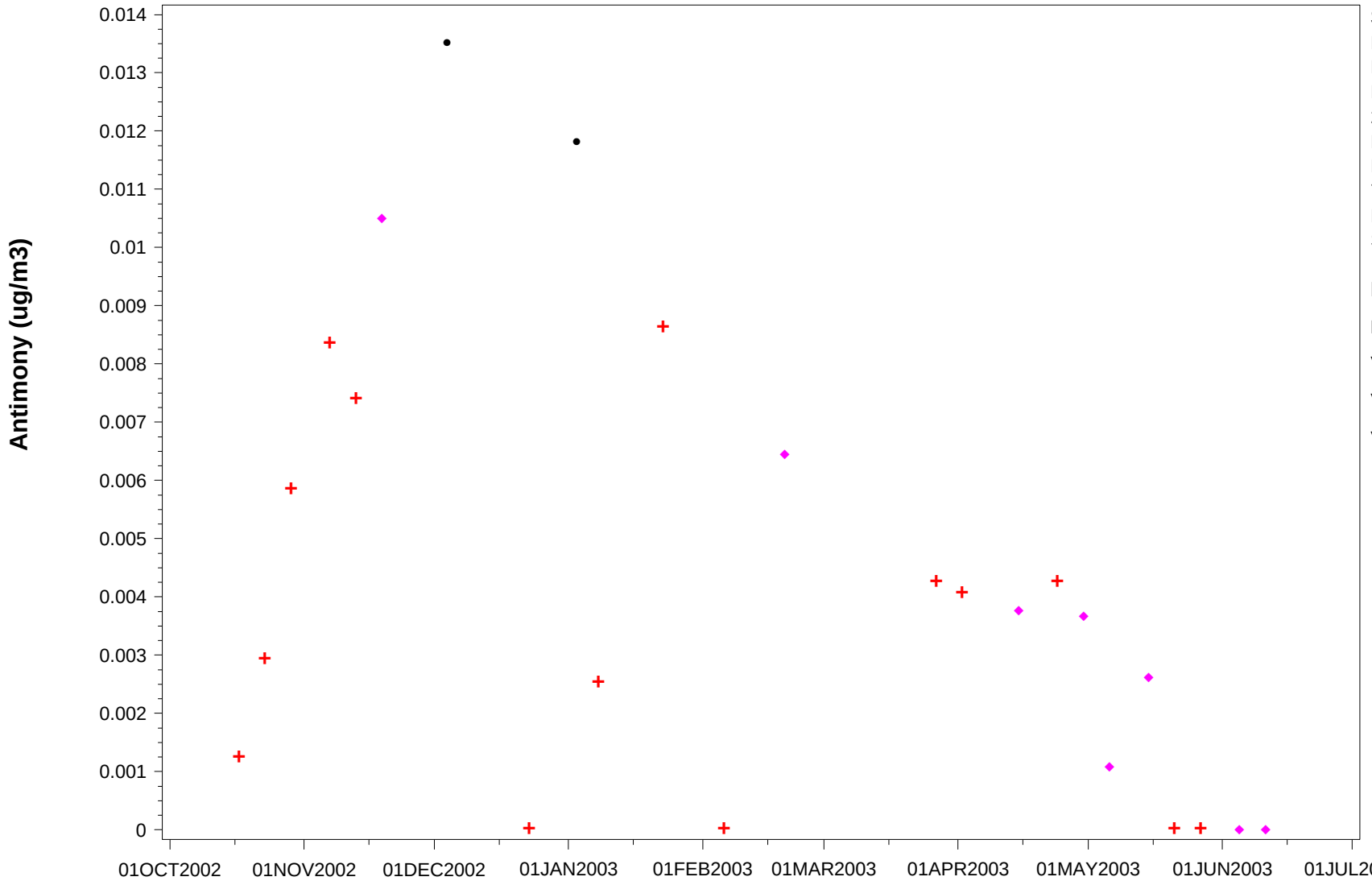
NARSTO Time Series Plot

15SEP2008

Site ID: **ES2LUSCA_USC** Variable name: **Antimony** Units: **ug/m3** Sampling interval: **24 hour** CAS ID: **C7440-36-0** Observation type: **Particles**
Particle diameter--lower bound (UM): **2.50** Particle diameter--upper bound (UM): **10.00** Field sampling or measurement principle: **Impactor**
Medium: **Teflon** Inlet type: **Hat or hood** Laboratory analytical method: **XRF** Sample preparation: **Temperature and humidity equilibration**
Blank Correction: **Blank corrected** Volume standardization: **Ambient temperature and pressure** Sampling Height above ground (m): **2.13**
Instrument name and model number: **Partisol #2025-D** Measurement principal investigator: **Dr. Costas Sioutas**

Site Name:**SCPCS PIU trailer at USC-California, California** Latitude:**34.01917 deg.** Longitude:**-117.72278 deg.** Start Date:**2002-10-17** End Date:**2003-06-11**



Statistics

Number of obs: **24**
Number of missing: **0**
Minimum: **0**
25th Percentile: **0.0005415**
Median: **0.003719**
Mean: **0.004**
75th Percentile: **0.006919**
Maximum: **0.013513**
Stnd Dev.: **0.004**

NARSTO Flags

Flag	Symbol	Count
V0:	●	**2**
V1:	+	**14**
V4:	◆	**8**

Time Zone: PDT/PST/PDT

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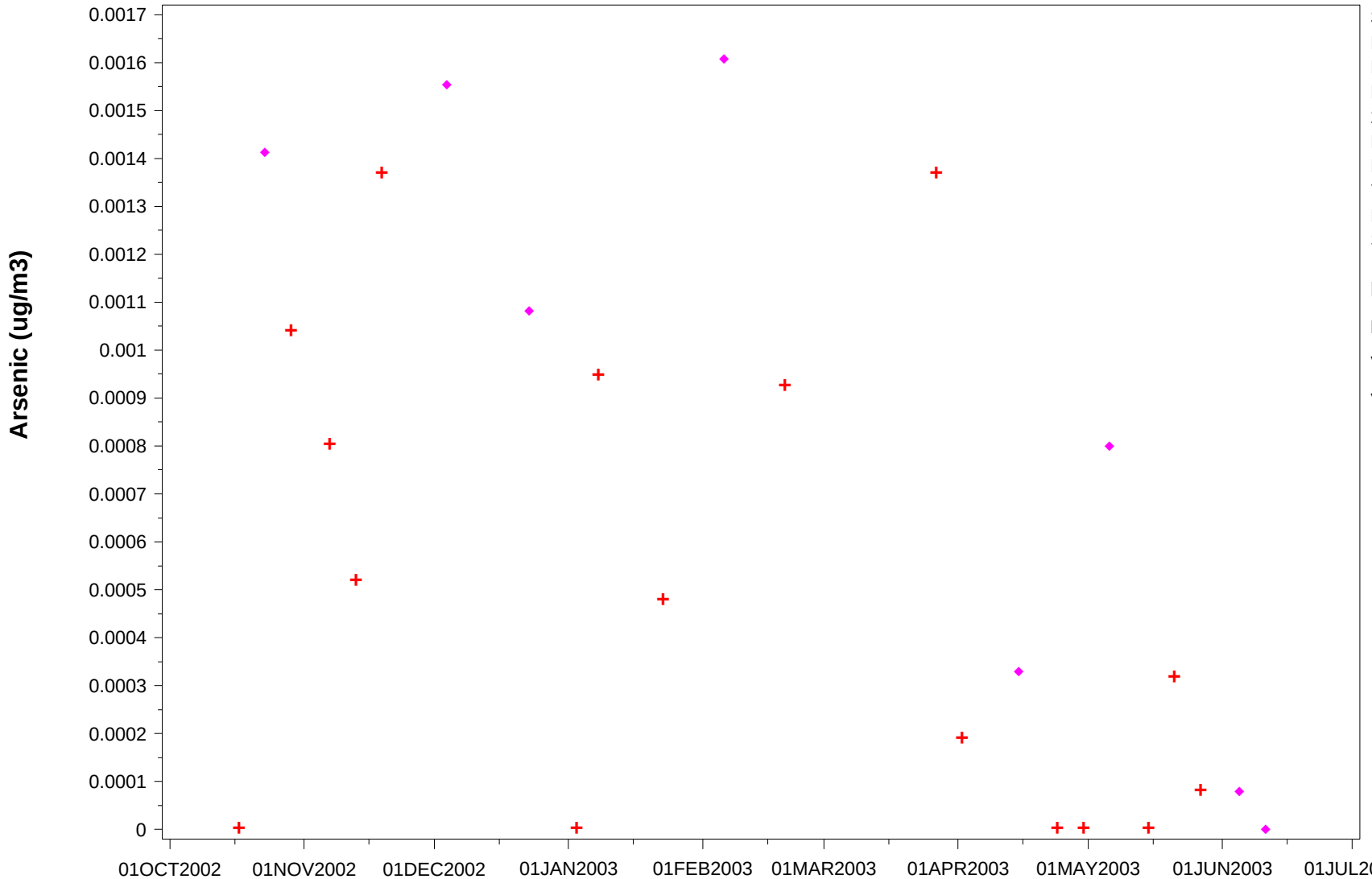
NARSTO Time Series Plot

15SEP2008

Site ID: **ES2LUSCA_USC** Variable name: **Arsenic** Units: **ug/m3** Sampling interval: **24 hour** CAS ID: **C7440-38-2** Observation type: **Particles**
Particle diameter--lower bound (UM): **2.50** Particle diameter--upper bound (UM): **10.00** Field sampling or measurement principle: **Impactor**
Medium: **Teflon** Inlet type: **Hat or hood** Laboratory analytical method: **XRF** Sample preparation: **Temperature and humidity equilibration**
Blank Correction: **Blank corrected** Volume standardization: **Ambient temperature and pressure** Sampling Height above ground (m): **2.13**
Instrument name and model number: **Partisol #2025-D** Measurement principal investigator: **Dr. Costas Sioutas**

Site Name:**SCPCS PIU trailer at USC-California, California** Latitude:**34.01917 deg.** Longitude:**-117.72278 deg.** Start Date:**2002-10-17** End Date:**2003-06-11**



Statistics

Number of obs: **24**
Number of missing: **0**
Minimum: **0**
25th Percentile: **0.0000395**
Median: **0.000497**
Mean: **0.001**
75th Percentile: **0.0010605**
Maximum: **0.001607**
Stnd Dev.: **0.001**

NARSTO Flags

Flag	Symbol	Count
V1:	+	**16**
V4:	◆	**8**

Time Zone: PDT/PST/PDT

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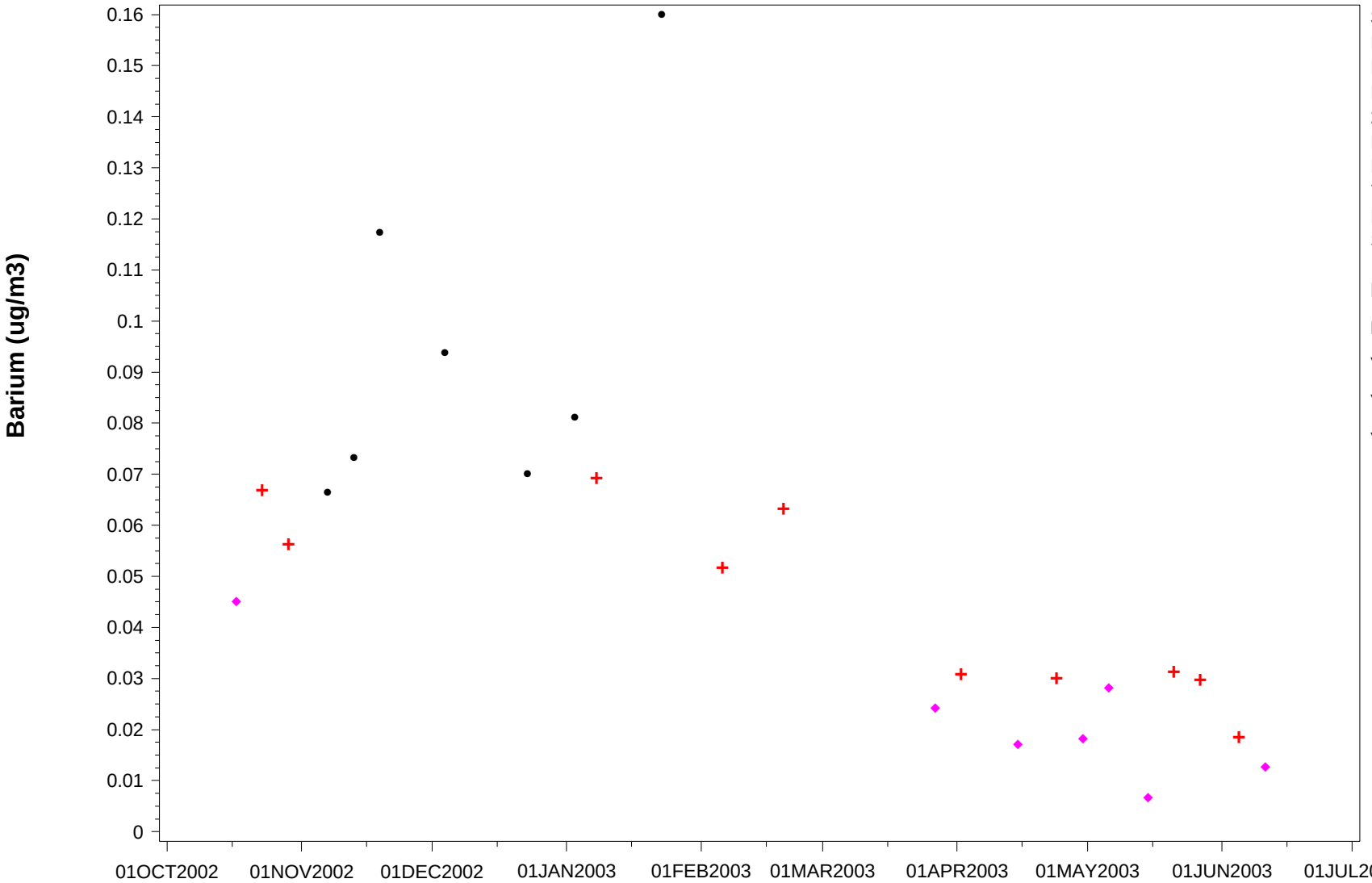
NARSTO Time Series Plot

15SEP2008

Site ID: **ES2LUSCA_USC** Variable name: **Barium** Units: **ug/m3** Sampling interval: **24 hour** CAS ID: **C7440-39-3** Observation type: **Particles**
Particle diameter--lower bound (UM): **2.50** Particle diameter--upper bound (UM): **10.00** Field sampling or measurement principle: **Impactor**
Medium: **Teflon** Inlet type: **Hat or hood** Laboratory analytical method: **XRF** Sample preparation: **Temperature and humidity equilibration**
Blank Correction: **Blank corrected** Volume standardization: **Ambient temperature and pressure** Sampling Height above ground (m): **2.13**
Instrument name and model number: **Partisol #2025-D** Measurement principal investigator: **Dr. Costas Sioutas**

Site Name:**SCPCS PIU trailer at USC-California, California** Latitude:**34.01917 deg.** Longitude:**-117.72278 deg.** Start Date:**2002-10-17** End Date:**2003-06-11**



Statistics

Number of obs: **24**
Number of missing: **0**
Minimum: **0.006722**
25th Percentile: **0.026179**
Median: **0.0481785**
Mean: **0.052**
75th Percentile: **0.0695315**
Maximum: **0.159973**
Stnd Dev.: **0.036**

NARSTO Flags

Flag	Symbol	Count
V0:	●	**7**
V1:	+	**10**
V4:	◆	**7**

Time Zone: PDT/PST/PDT

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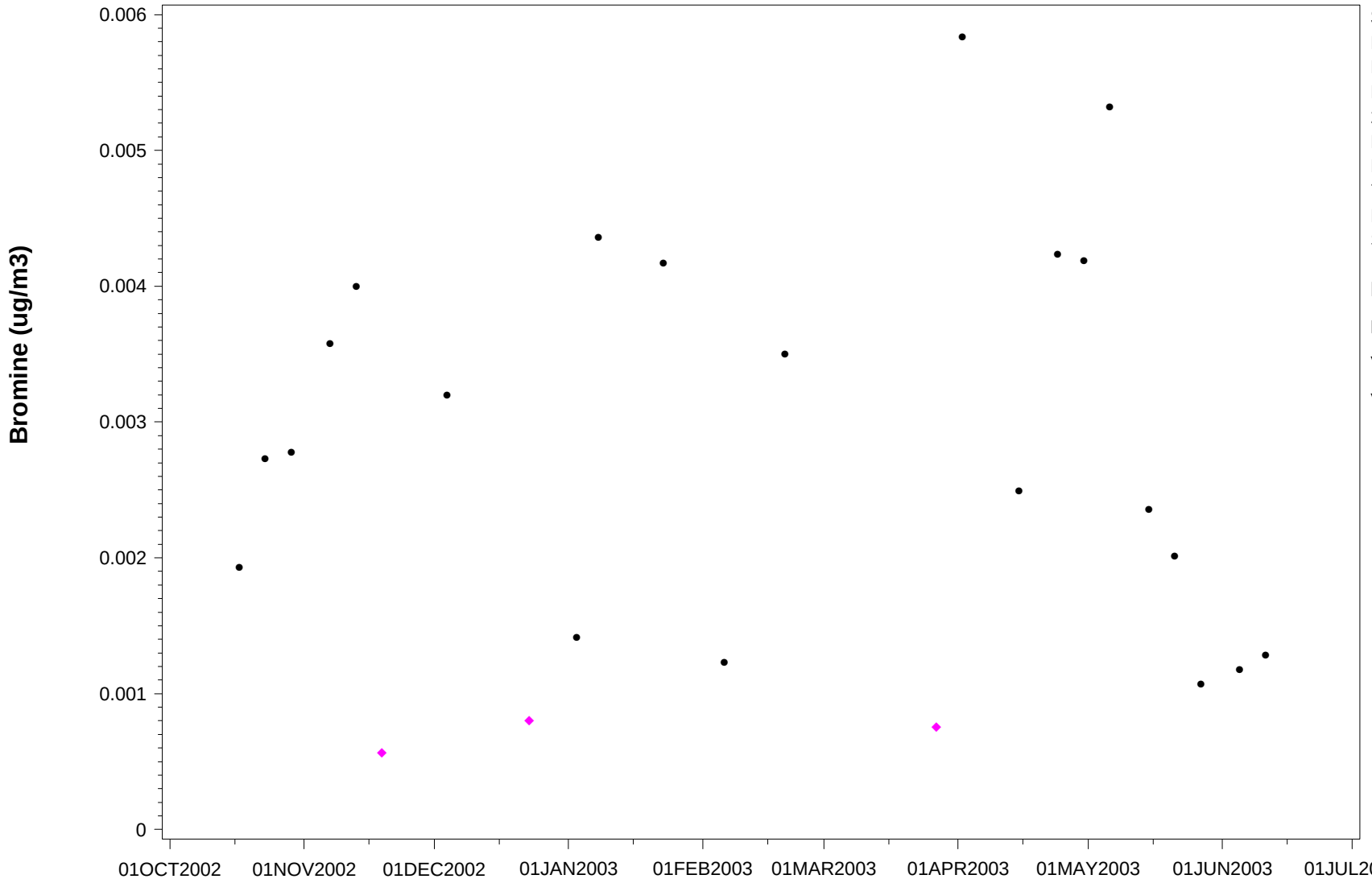
NARSTO Time Series Plot

15SEP2008

Site ID: **ES2LUSCA_USC** Variable name: **Bromine** Units: **ug/m3** Sampling interval: **24 hour** CAS ID: **C7726-95-6** Observation type: **Particles**
Particle diameter--lower bound (UM): **2.50** Particle diameter--upper bound (UM): **10.00** Field sampling or measurement principle: **Impactor**
Medium: **Teflon** Inlet type: **Hat or hood** Laboratory analytical method: **XRF** Sample preparation: **Temperature and humidity equilibration**
Blank Correction: **Blank corrected** Volume standardization: **Ambient temperature and pressure** Sampling Height above ground (m): **2.13**
Instrument name and model number: **Partisol #2025-D** Measurement principal investigator: **Dr. Costas Sioutas**

Site Name:**SCPCS PIU trailer at USC-California, California** Latitude:**34.01917 deg.** Longitude:**-117.72278 deg.** Start Date:**2002-10-17** End Date:**2003-06-11**



Statistics

Number of obs: **24**
Number of missing: **0**
Minimum: **0.000567**
25th Percentile: **0.001257**
Median: **0.0026125**
Mean: **0.003**
75th Percentile: **0.0040865**
Maximum: **0.005838**
Stnd Dev.: **0.002**

NARSTO Flags

Flag	Symbol	Count
V0:	●	**21**
V4:	◆	**3**

Time Zone: PDT/PST/PDT

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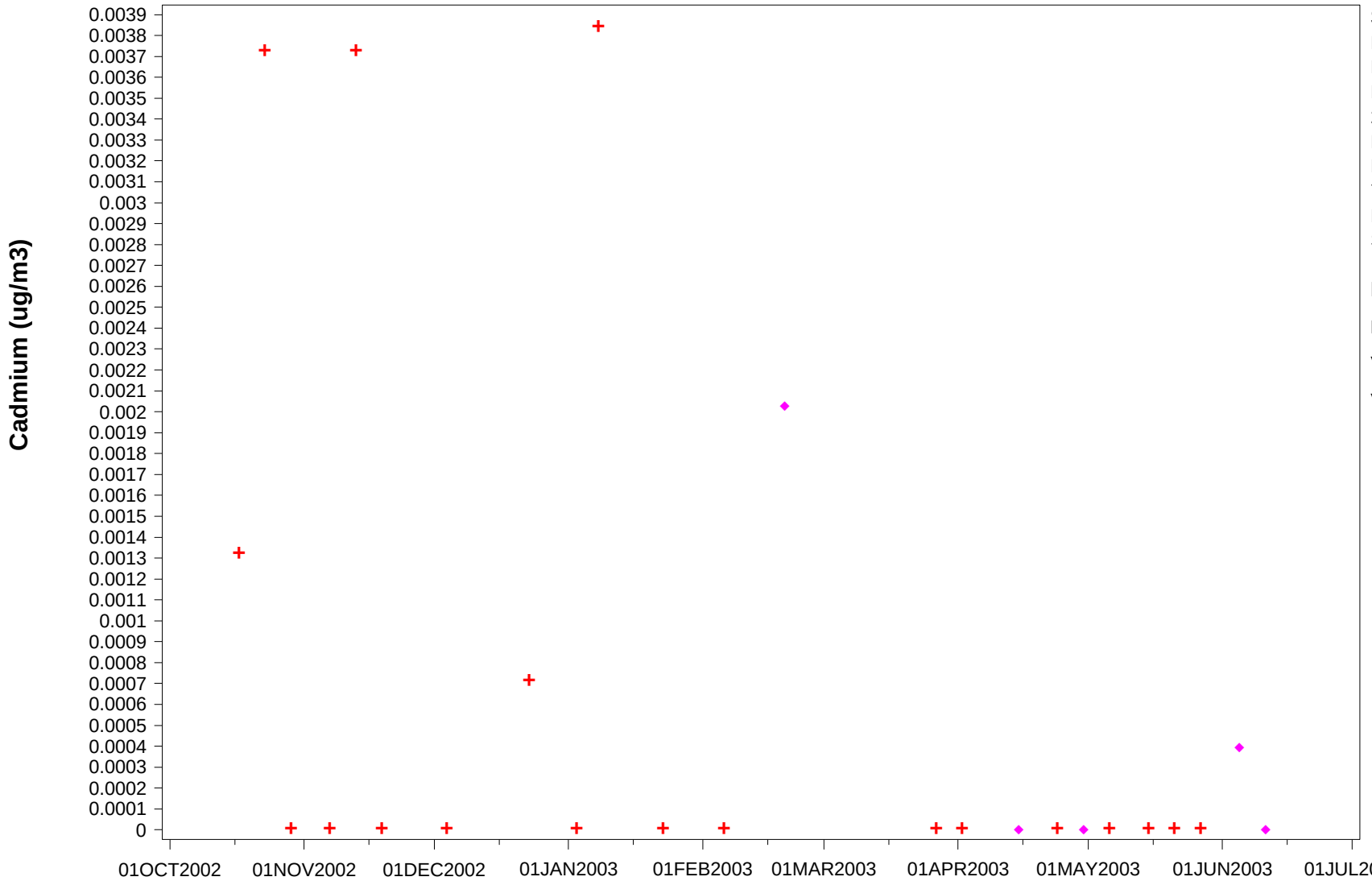
NARSTO Time Series Plot

15SEP2008

Site ID: **ES2LUSCA_USC** Variable name: **Cadmium** Units: **ug/m3** Sampling interval: **24 hour** CAS ID: **C7440-43-9** Observation type: **Particles**
Particle diameter--lower bound (UM): **2.50** Particle diameter--upper bound (UM): **10.00** Field sampling or measurement principle: **Impactor**
Medium: **Teflon** Inlet type: **Hat or hood** Laboratory analytical method: **XRF** Sample preparation: **Temperature and humidity equilibration**
Blank Correction: **Blank corrected** Volume standardization: **Ambient temperature and pressure** Sampling Height above ground (m): **2.13**
Instrument name and model number: **Partisol #2025-D** Measurement principal investigator: **Dr. Costas Sioutas**

Site Name:**SCPCS PIU trailer at USC-California, California** Latitude:**34.01917 deg.** Longitude:**-117.72278 deg.** Start Date:**2002-10-17** End Date:**2003-06-11**



Statistics

Number of obs: **24**
Number of missing: **0**
Minimum: **0**
25th Percentile: **0**
Median: **0**
Mean: **0.001**
75th Percentile: **0.000551**
Maximum: **0.003837**
Stnd Dev.: **0.001**

NARSTO Flags

Flag	Symbol	Count
V1:	+	**19**
V4:	◆	**5**

Time Zone: PDT/PST/PDT

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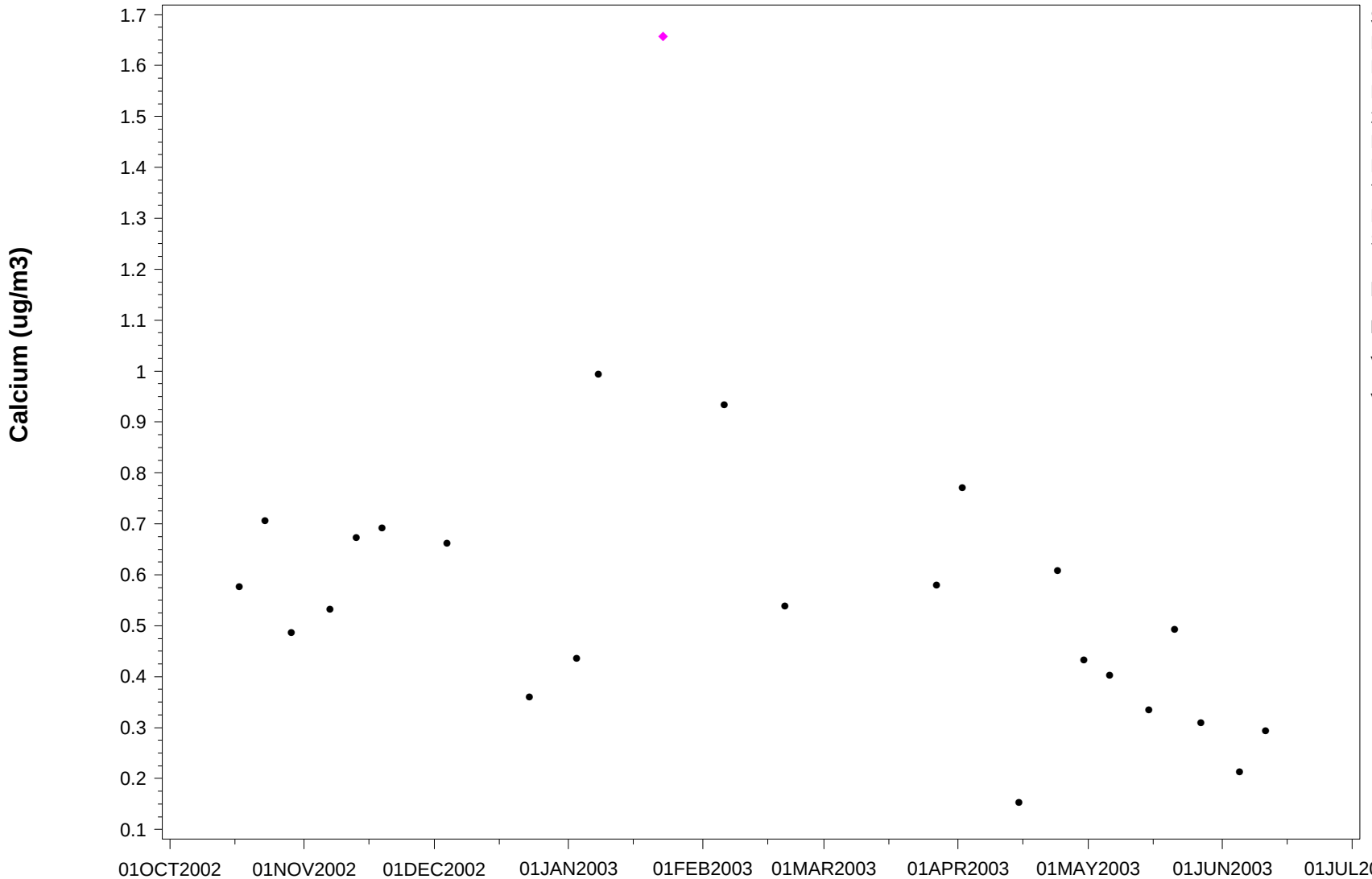
NARSTO Time Series Plot

15SEP2008

Site ID: **ES2LUSCA_USC** Variable name: **Calcium** Units: **ug/m3** Sampling interval: **24 hour** CAS ID: **C7440-70-2** Observation type: **Particles**
Particle diameter--lower bound (UM): **2.50** Particle diameter--upper bound (UM): **10.00** Field sampling or measurement principle: **Impactor**
Medium: **Teflon** Inlet type: **Hat or hood** Laboratory analytical method: **XRF** Sample preparation: **Temperature and humidity equilibration**
Blank Correction: **Blank corrected** Volume standardization: **Ambient temperature and pressure** Sampling Height above ground (m): **2.13**
Instrument name and model number: **Partisol #2025-D** Measurement principal investigator: **Dr. Costas Sioutas**

Site Name:**SCPCS PIU trailer at USC-California, California** Latitude:**34.01917 deg.** Longitude:**-117.72278 deg.** Start Date:**2002-10-17** End Date:**2003-06-11**



Time Zone: PDT/PST/PDT

Statistics

Number of obs: **24**
Number of missing: **0**
Minimum: **0.152379**
25th Percentile: **0.380712**
Median: **0.5357165**
Mean: **0.576**
75th Percentile: **0.681962**
Maximum: **1.657107**
Stnd Dev.: **0.310**

NARSTO Flags

Flag	Symbol	Count
V0:	●	**23**
V4:	◆	**1**

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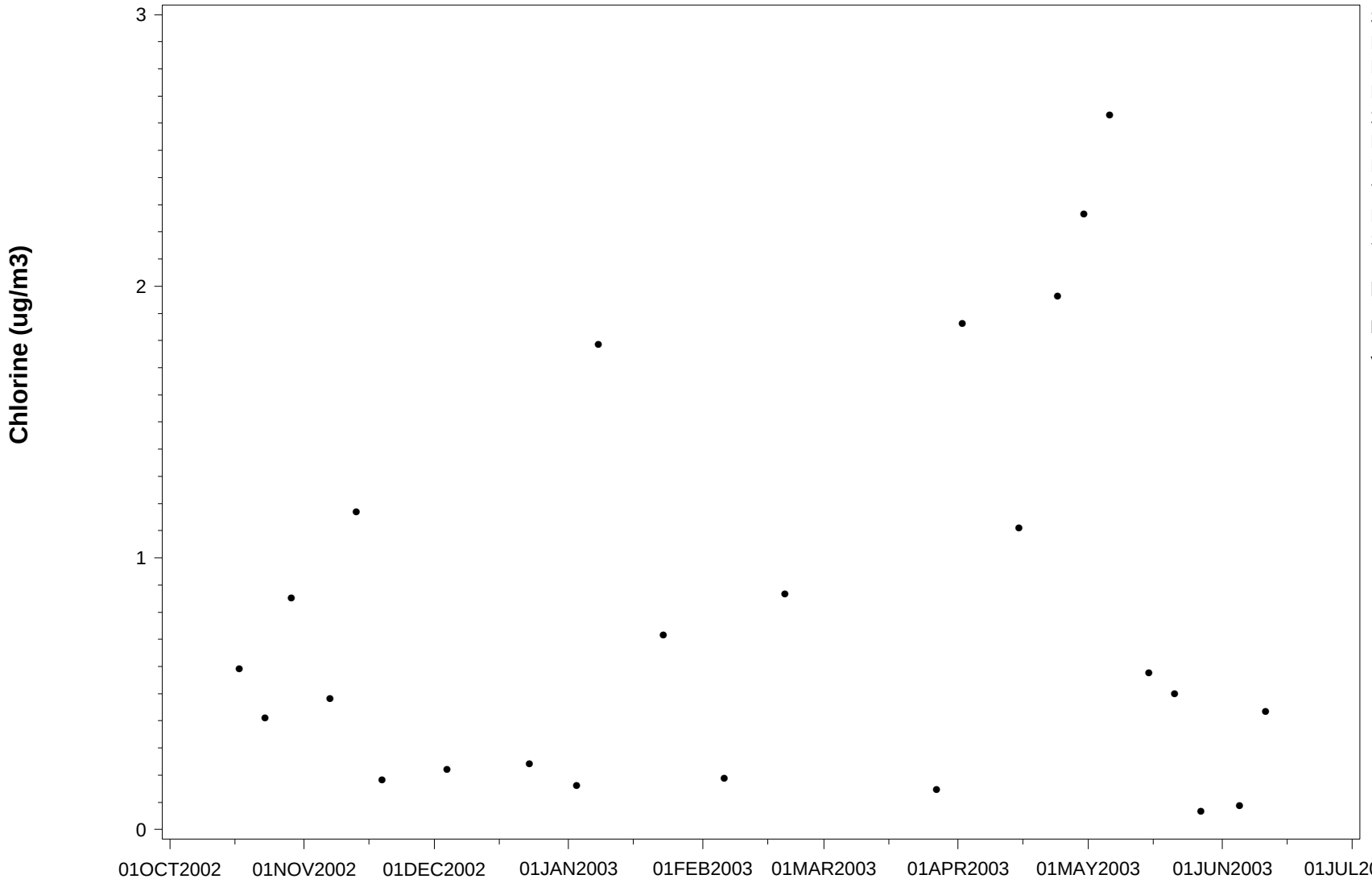
NARSTO Time Series Plot

15SEP2008

Site ID: **ES2LUSCA_USC** Variable name: **Chlorine** Units: **ug/m3** Sampling interval: **24 hour** CAS ID: **C7782-50-5** Observation type: **Particles**
Particle diameter--lower bound (UM): **2.50** Particle diameter--upper bound (UM): **10.00** Field sampling or measurement principle: **Impactor**
Medium: **Teflon** Inlet type: **Hat or hood** Laboratory analytical method: **XRF** Sample preparation: **Temperature and humidity equilibration**
Blank Correction: **Blank corrected** Volume standardization: **Ambient temperature and pressure** Sampling Height above ground (m): **2.13**
Instrument name and model number: **Partisol #2025-D** Measurement principal investigator: **Dr. Costas Sioutas**

Site Name:**SCPCS PIU trailer at USC-California, California** Latitude:**34.01917 deg.** Longitude:**-117.72278 deg.** Start Date:**2002-10-17** End Date:**2003-06-11**



Time Zone: PDT/PST/PDT

Statistics

Number of obs: **24**
Number of missing: **0**
Minimum: **0.068403**
25th Percentile: **0.204845**
Median: **0.53912**
Mean: **0.813**
75th Percentile: **1.140208**
Maximum: **2.630833**
Stnd Dev.: **0.753**

NARSTO Flags

Flag Symbol Count

V0: ● **24**

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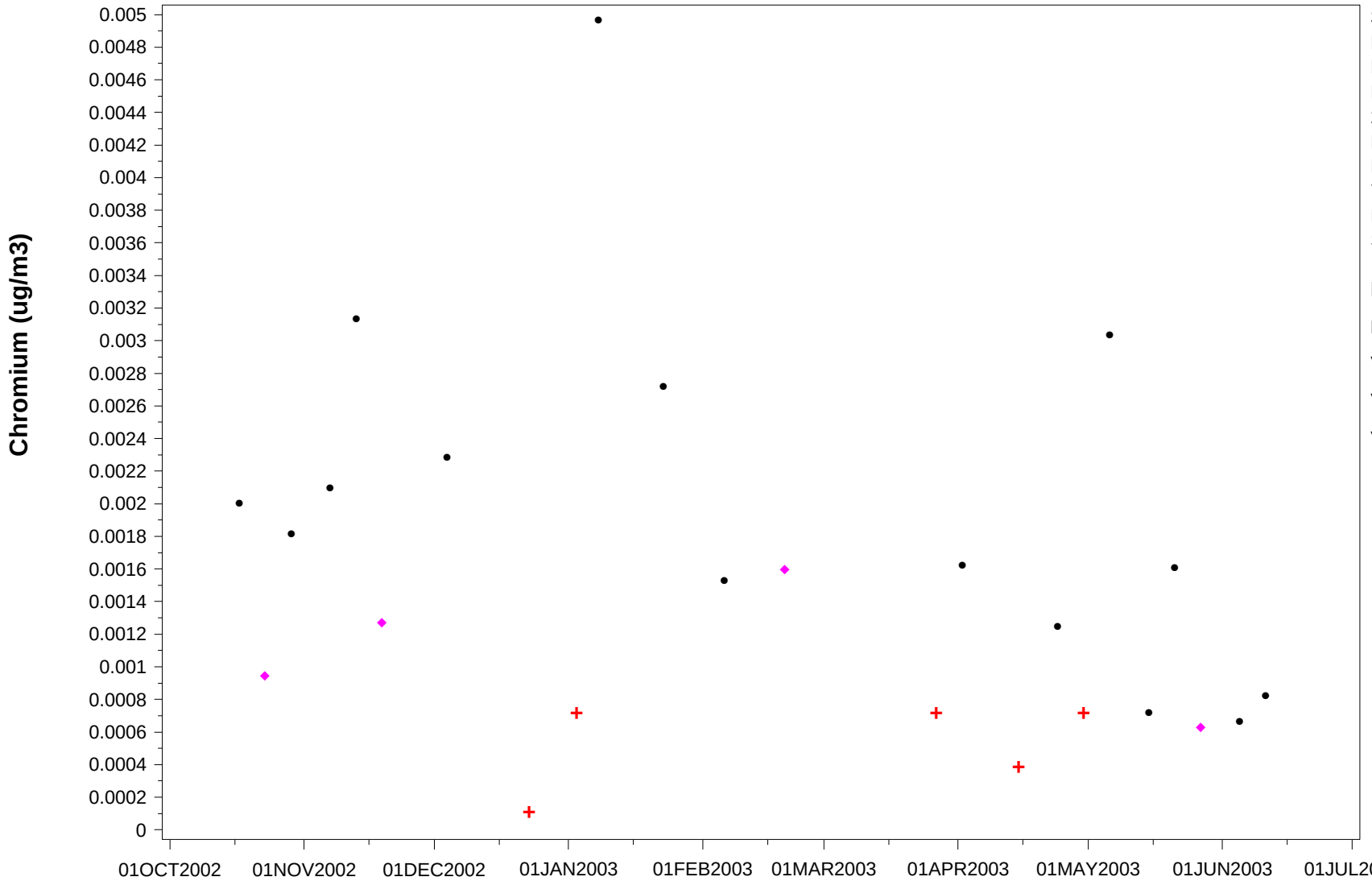
NARSTO Time Series Plot

15SEP2008

Site ID: **ES2LUSCA_USC** Variable name: **Chromium** Units: **ug/m3** Sampling interval: **24 hour** CAS ID: **C7440-47-3** Observation type: **Particles**
Particle diameter--lower bound (UM): **2.50** Particle diameter--upper bound (UM): **10.00** Field sampling or measurement principle: **Impactor**
Medium: **Teflon** Inlet type: **Hat or hood** Laboratory analytical method: **XRF** Sample preparation: **Temperature and humidity equilibration**
Blank Correction: **Blank corrected** Volume standardization: **Ambient temperature and pressure** Sampling Height above ground (m): **2.13**
Instrument name and model number: **Partisol #2025-D** Measurement principal investigator: **Dr. Costas Sioutas**

Site Name:**SCPCS PIU trailer at USC-California, California** Latitude:**34.01917 deg.** Longitude:**-117.72278 deg.** Start Date:**2002-10-17** End Date:**2003-06-11**



Time Zone: PDT/PST/PDT

Statistics

Number of obs: **24**
Number of missing: **0**
Minimum: **0.000096**
25th Percentile: **0.000708**
Median: **0.0013995**
Mean: **0.002**
75th Percentile: **0.002048**
Maximum: **0.004965**
Stnd Dev.: **0.001**

NARSTO Flags

Flag	Symbol	Count
V0:	●	**15**
V1:	+	**5**
V4:	◆	**4**

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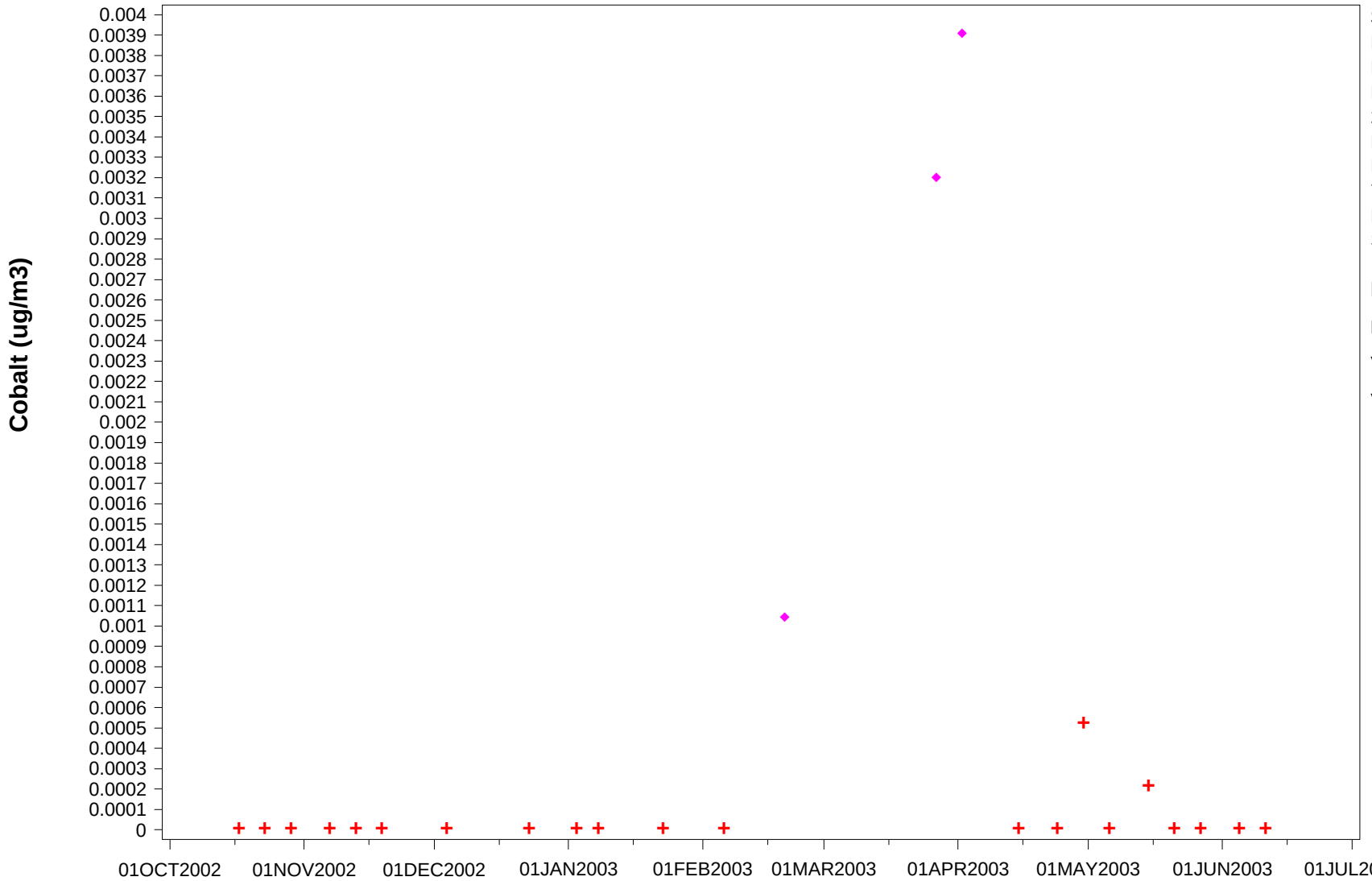
NARSTO Time Series Plot

15SEP2008

Site ID: **ES2LUSCA_USC** Variable name: **Cobalt** Units: **ug/m3** Sampling interval: **24 hour** CAS ID: **C7440-48-4** Observation type: **Particles**
Particle diameter--lower bound (UM): **2.50** Particle diameter--upper bound (UM): **10.00** Field sampling or measurement principle: **Impactor**
Medium: **Teflon** Inlet type: **Hat or hood** Laboratory analytical method: **XRF** Sample preparation: **Temperature and humidity equilibration**
Blank Correction: **Blank corrected** Volume standardization: **Ambient temperature and pressure** Sampling Height above ground (m): **2.13**
Instrument name and model number: **Partisol #2025-D** Measurement principal investigator: **Dr. Costas Sioutas**

Site Name:**SCPCS PIU trailer at USC-California, California** Latitude:**34.01917 deg.** Longitude:**-117.72278 deg.** Start Date:**2002-10-17** End Date:**2003-06-11**



Statistics

Number of obs: **24**
Number of missing: **0**
Minimum: **0**
25th Percentile: **0**
Median: **0**
Mean: **0.000**
75th Percentile: **0**
Maximum: **0.003908**
Stnd Dev.: **0.001**

NARSTO Flags

Flag	Symbol	Count
V1:	+	**21**
V4:	◆	**3**

Time Zone: PDT/PST/PDT

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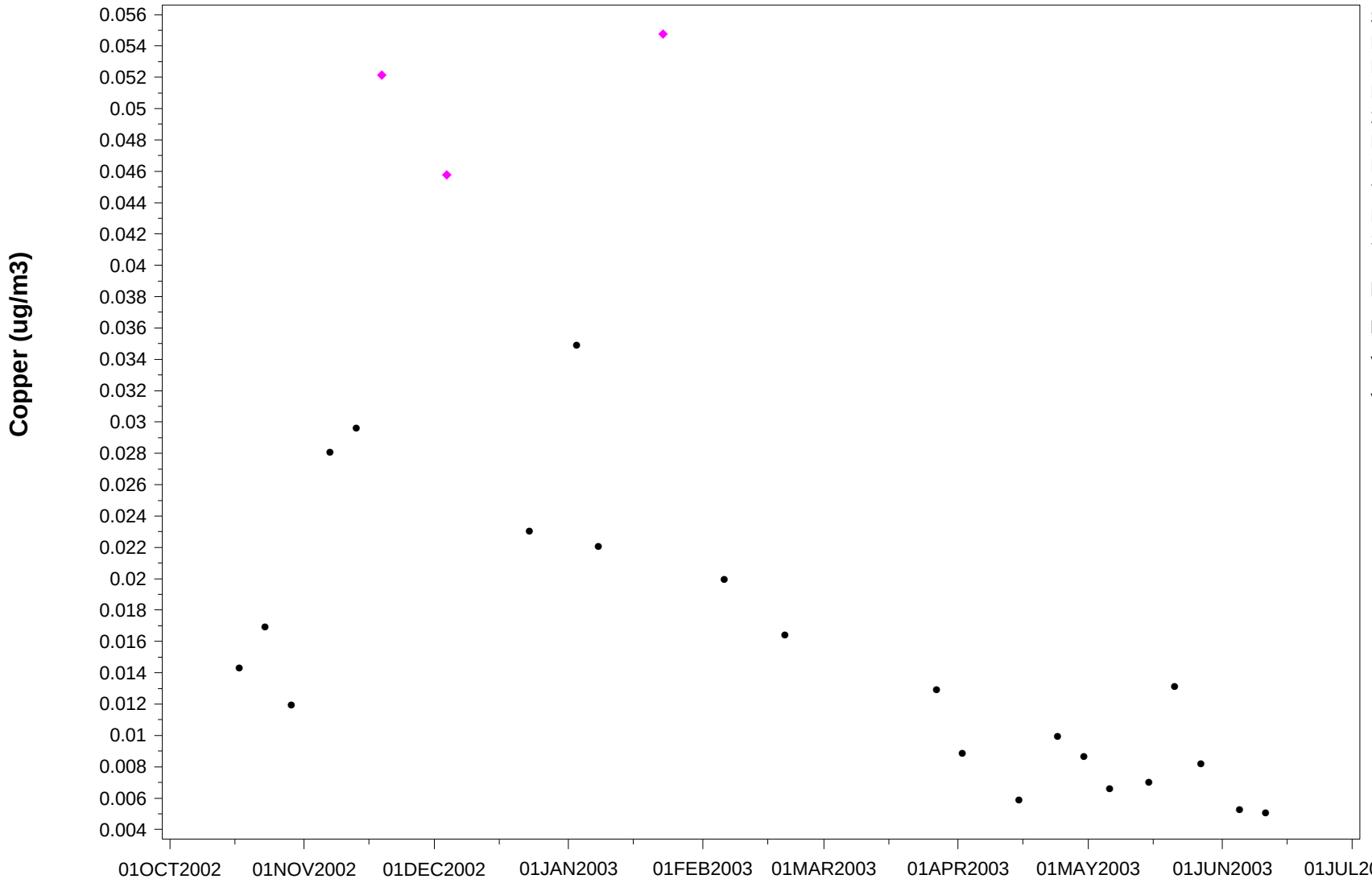
NARSTO Time Series Plot

15SEP2008

Site ID: **ES2LUSCA_USC** Variable name: **Copper** Units: **ug/m3** Sampling interval: **24 hour** CAS ID: **C7440-50-8** Observation type: **Particles**
Particle diameter--lower bound (UM): **2.50** Particle diameter--upper bound (UM): **10.00** Field sampling or measurement principle: **Impactor**
Medium: **Teflon** Inlet type: **Hat or hood** Laboratory analytical method: **XRF** Sample preparation: **Temperature and humidity equilibration**
Blank Correction: **Blank corrected** Volume standardization: **Ambient temperature and pressure** Sampling Height above ground (m): **2.13**
Instrument name and model number: **Partisol #2025-D** Measurement principal investigator: **Dr. Costas Sioutas**

Site Name:**SCPCS PIU trailer at USC-California, California** Latitude:**34.01917 deg.** Longitude:**-117.72278 deg.** Start Date:**2002-10-17** End Date:**2003-06-11**



Statistics

Number of obs: **24**
Number of missing: **0**
Minimum: **0.005074**
25th Percentile: **0.0084025**
Median: **0.0137225**
Mean: **0.019**
75th Percentile: **0.025544**
Maximum: **0.054766**
Stnd Dev.: **0.015**

NARSTO Flags

Flag	Symbol	Count
V0:	●	**21**
V4:	◆	**3**

Time Zone: PDT/PST/PDT

File Name: NARSTO_EPA_SS_LA_USC_PARTISOL_ELEMENT_20021017-20030611.txt

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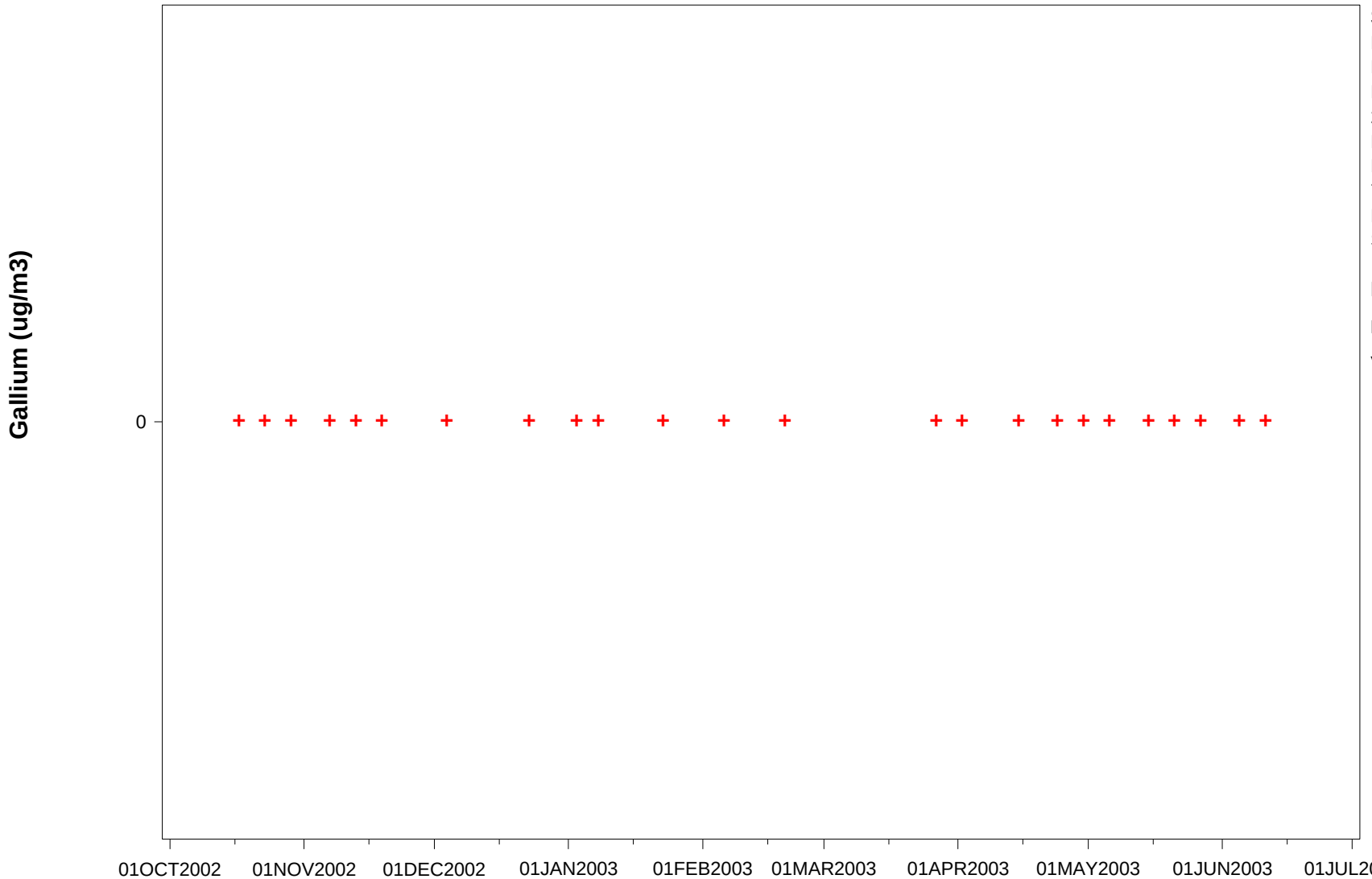
NARSTO Time Series Plot

15SEP2008

Site ID: **ES2LUSCA_USC** Variable name: **Gallium** Units: **ug/m3** Sampling interval: **24 hour** CAS ID: **C7440-55-3** Observation type: **Particles**
Particle diameter--lower bound (UM): **2.50** Particle diameter--upper bound (UM): **10.00** Field sampling or measurement principle: **Impactor**
Medium: **Teflon** Inlet type: **Hat or hood** Laboratory analytical method: **XRF** Sample preparation: **Temperature and humidity equilibration**
Blank Correction: **Blank corrected** Volume standardization: **Ambient temperature and pressure** Sampling Height above ground (m): **2.13**
Instrument name and model number: **Partisol #2025-D** Measurement principal investigator: **Dr. Costas Sioutas**

Site Name:**SCPCS PIU trailer at USC-California, California** Latitude:**34.01917 deg.** Longitude:**-117.72278 deg.** Start Date:**2002-10-17** End Date:**2003-06-11**



Time Zone: PDT/PST/PDT

Statistics

Number of obs: **24**
Number of missing: **0**
Minimum: **0**
25th Percentile: **0**
Median: **0**
Mean: **0.000**
75th Percentile: **0**
Maximum: **0**
Stnd Dev.: **0.000**

NARSTO Flags

Flag Symbol Count

V1: + **24**

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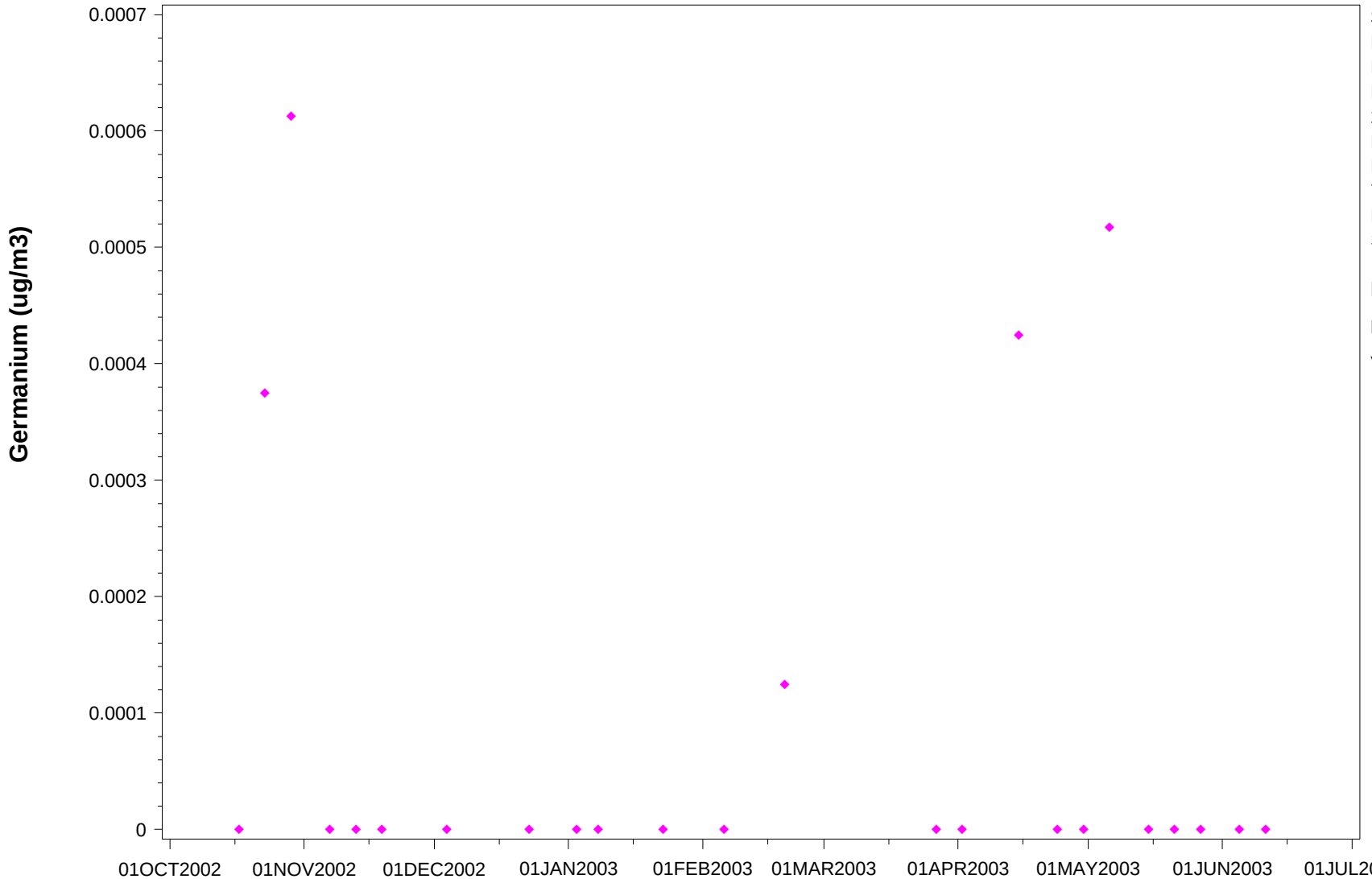
NARSTO Time Series Plot

15SEP2008

Site ID: **ES2LUSCA_USC** Variable name: **Germanium** Units: **ug/m3** Sampling interval: **24 hour** CAS ID: **C7440-56-4** Observation type: **Particles**
Particle diameter--lower bound (UM): **2.50** Particle diameter--upper bound (UM): **10.00** Field sampling or measurement principle: **Impactor**
Medium: **Teflon** Inlet type: **Hat or hood** Laboratory analytical method: **XRF** Sample preparation: **Temperature and humidity equilibration**
Blank Correction: **Blank corrected** Volume standardization: **Ambient temperature and pressure** Sampling Height above ground (m): **2.13**
Instrument name and model number: **Partisol #2025-D** Measurement principal investigator: **Dr. Costas Sioutas**

Site Name:**SCPCS PIU trailer at USC-California, California** Latitude:**34.01917 deg.** Longitude:**-117.72278 deg.** Start Date:**2002-10-17** End Date:**2003-06-11**



Statistics

Number of obs: **24**
Number of missing: **0**
Minimum: **0**
25th Percentile: **0**
Median: **0**
Mean: **0.000**
75th Percentile: **0**
Maximum: **0.000613**
Stnd Dev.: **0.000**

NARSTO Flags

Flag	Symbol	Count
V4:	◆	**24**

Time Zone: PDT/PST/PDT

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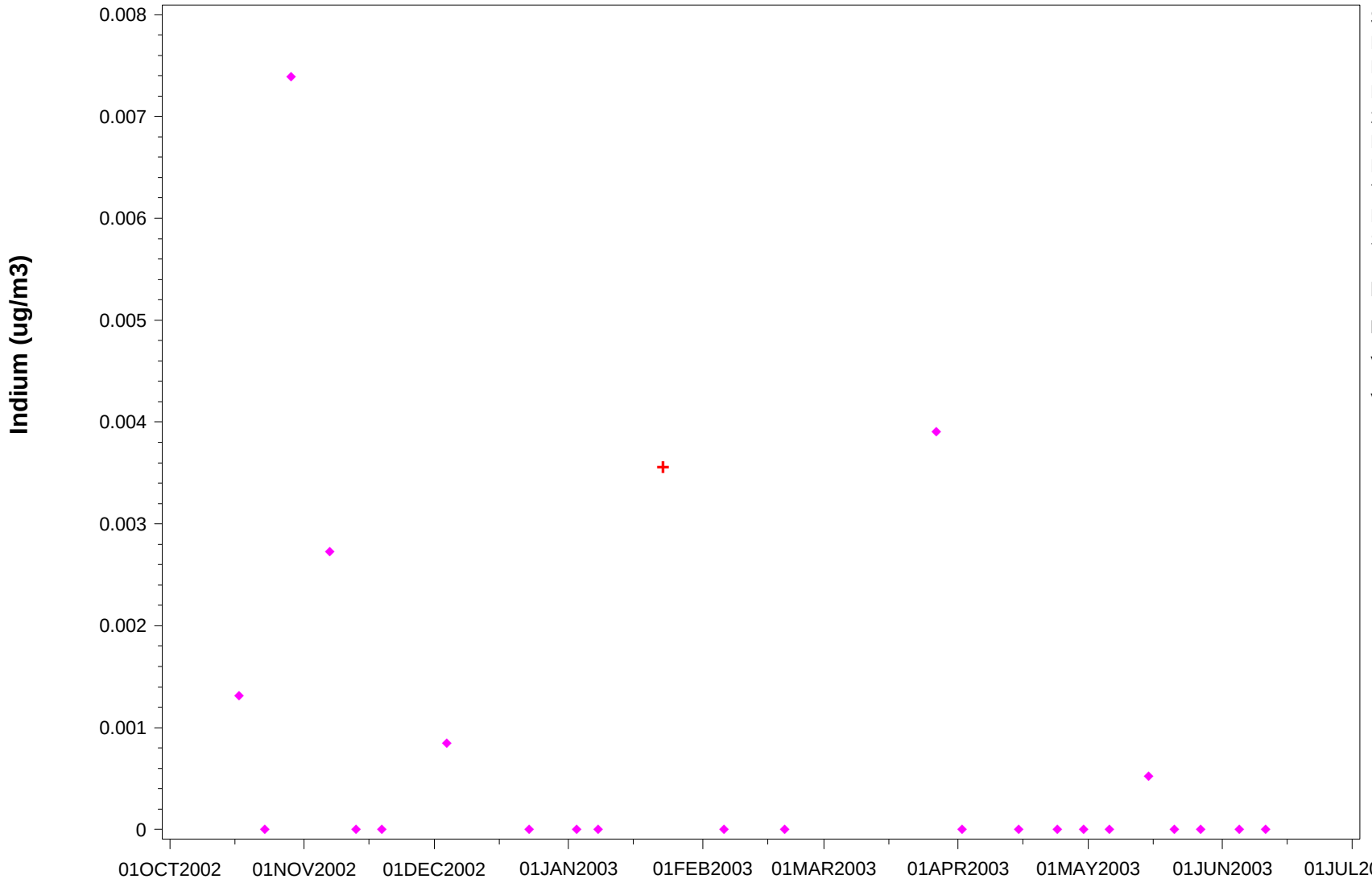
NARSTO Time Series Plot

15SEP2008

Site ID: **ES2LUSCA_USC** Variable name: **Indium** Units: **ug/m3** Sampling interval: **24 hour** CAS ID: **C7440-74-6** Observation type: **Particles**
Particle diameter--lower bound (UM): **2.50** Particle diameter--upper bound (UM): **10.00** Field sampling or measurement principle: **Impactor**
Medium: **Teflon** Inlet type: **Hat or hood** Laboratory analytical method: **XRF** Sample preparation: **Temperature and humidity equilibration**
Blank Correction: **Blank corrected** Volume standardization: **Ambient temperature and pressure** Sampling Height above ground (m): **2.13**
Instrument name and model number: **Partisol #2025-D** Measurement principal investigator: **Dr. Costas Sioutas**

Site Name:**SCPCS PIU trailer at USC-California, California** Latitude:**34.01917 deg.** Longitude:**-117.72278 deg.** Start Date:**2002-10-17** End Date:**2003-06-11**



Statistics

Number of obs: **24**
Number of missing: **0**
Minimum: **0**
25th Percentile: **0**
Median: **0**
Mean: **0.001**
75th Percentile: **0.0006845**
Maximum: **0.007392**
Stnd Dev.: **0.002**

NARSTO Flags

Flag	Symbol	Count
V1:	+	**1**
V4:	◆	**23**

Time Zone: PDT/PST/PDT

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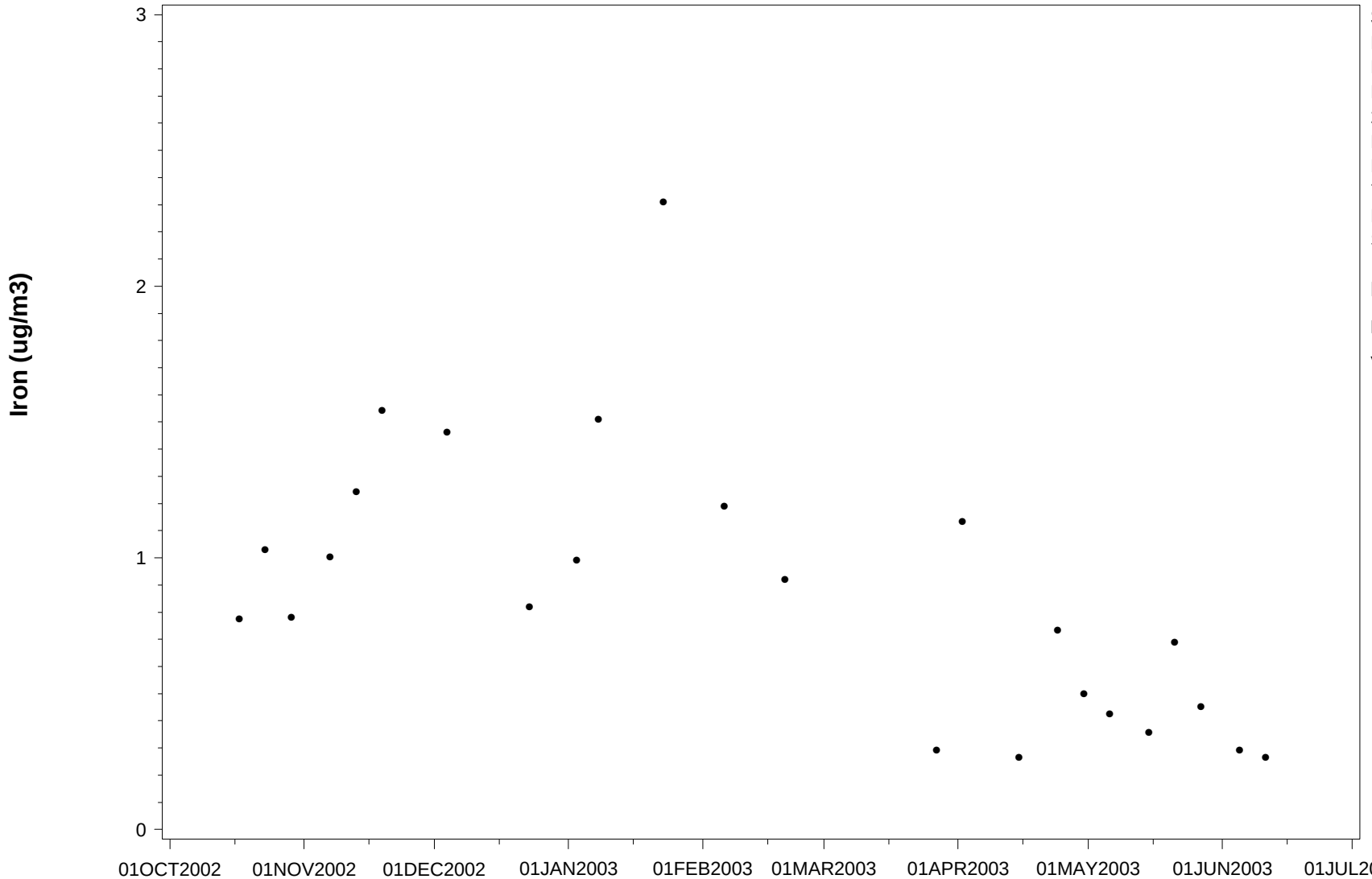
NARSTO Time Series Plot

15SEP2008

Site ID: **ES2LUSCA_USC** Variable name: **Iron** Units: **ug/m3** Sampling interval: **24 hour** CAS ID: **C7439-89-6** Observation type: **Particles**
Particle diameter--lower bound (UM): **2.50** Particle diameter--upper bound (UM): **10.00** Field sampling or measurement principle: **Impactor**
Medium: **Teflon** Inlet type: **Hat or hood** Laboratory analytical method: **XRF** Sample preparation: **Temperature and humidity equilibration**
Blank Correction: **Blank corrected** Volume standardization: **Ambient temperature and pressure** Sampling Height above ground (m): **2.13**
Instrument name and model number: **Partisol #2025-D** Measurement principal investigator: **Dr. Costas Sioutas**

Site Name:**SCPCS PIU trailer at USC-California, California** Latitude:**34.01917 deg.** Longitude:**-117.72278 deg.** Start Date:**2002-10-17** End Date:**2003-06-11**



Time Zone: PDT/PST/PDT

Statistics

Number of obs: **24**
Number of missing: **0**
Minimum: **0.265917**
25th Percentile: **0.439275**
Median: **0.800109**
Mean: **0.875**
75th Percentile: **1.1622095**
Maximum: **2.310637**
Stnd Dev.: **0.507**

NARSTO Flags

Flag Symbol Count

V0: ● **24**

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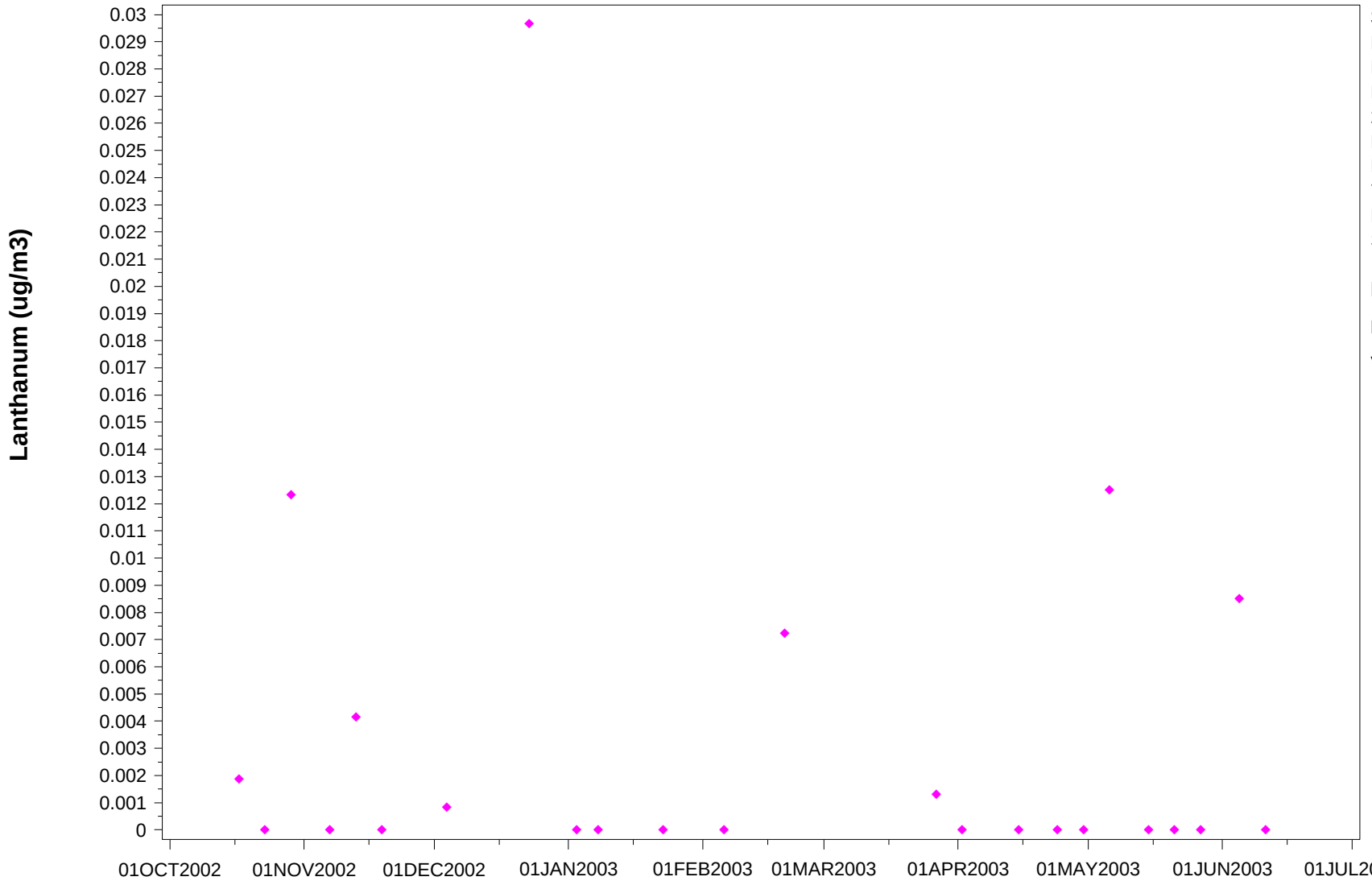
NARSTO Time Series Plot

15SEP2008

Site ID: **ES2LUSCA_USC** Variable name: **Lanthanum** Units: **ug/m3** Sampling interval: **24 hour** CAS ID: **C7439-91-0** Observation type: **Particles**
Particle diameter--lower bound (UM): **2.50** Particle diameter--upper bound (UM): **10.00** Field sampling or measurement principle: **Impactor**
Medium: **Teflon** Inlet type: **Hat or hood** Laboratory analytical method: **XRF** Sample preparation: **Temperature and humidity equilibration**
Blank Correction: **Blank corrected** Volume standardization: **Ambient temperature and pressure** Sampling Height above ground (m): **2.13**
Instrument name and model number: **Partisol #2025-D** Measurement principal investigator: **Dr. Costas Sioutas**

Site Name:**SCPCS PIU trailer at USC-California, California** Latitude:**34.01917 deg.** Longitude:**-117.72278 deg.** Start Date:**2002-10-17** End Date:**2003-06-11**



Time Zone: PDT/PST/PDT

Statistics

Number of obs: **24**
Number of missing: **0**
Minimum: **0**
25th Percentile: **0**
Median: **0**
Mean: **0.003**
75th Percentile: **0.0030125**
Maximum: **0.029663**
Stnd Dev.: **0.007**

NARSTO Flags

Flag Symbol Count

V4: ◆ **24**

File Name: NARSTO_EPA_SS_LA_USC_PARTISOL_ELEMENT_20021017-20030611.txt

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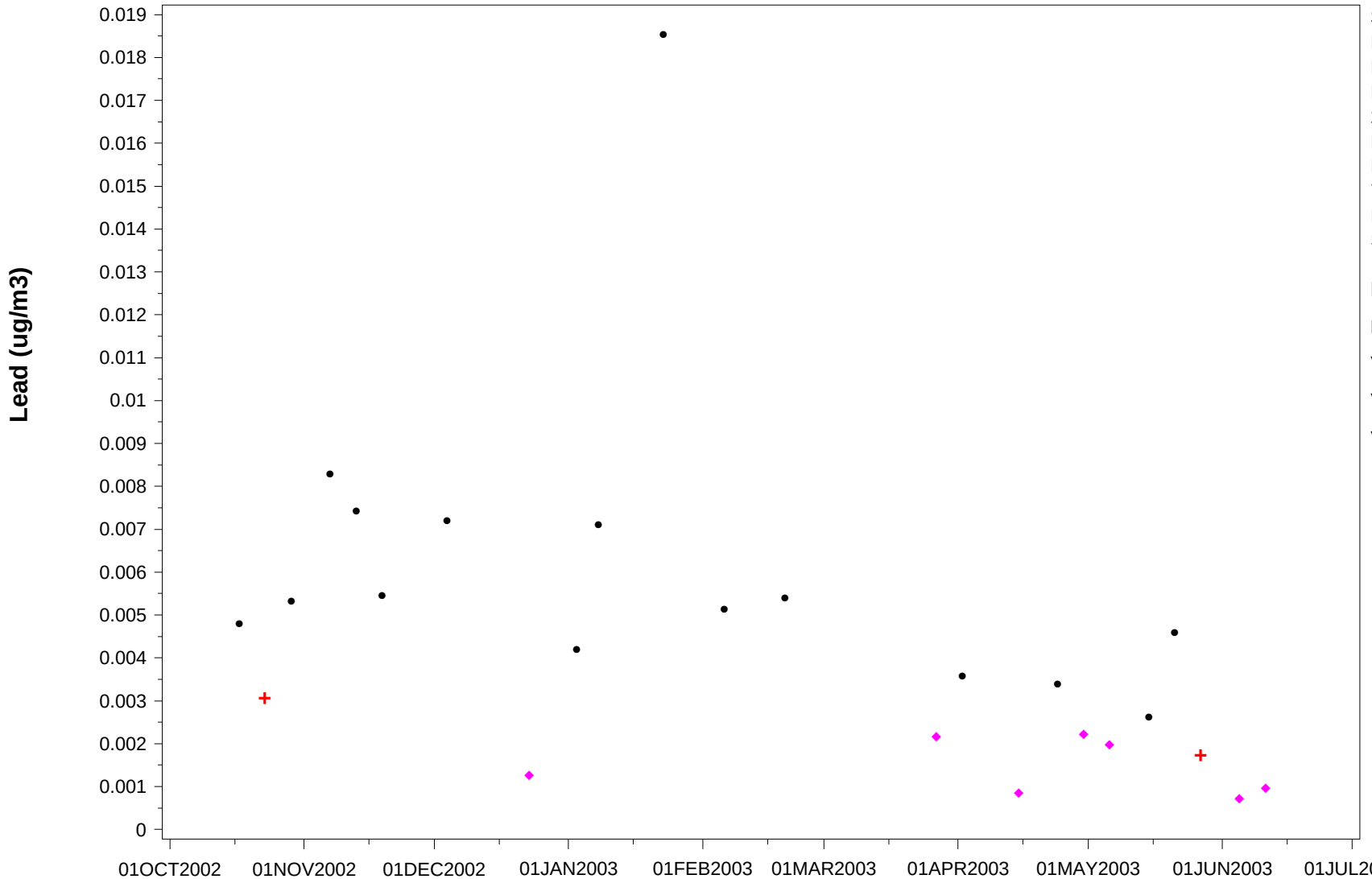
NARSTO Time Series Plot

15SEP2008

Site ID: **ES2LUSCA_USC** Variable name: **Lead** Units: **ug/m3** Sampling interval: **24 hour** CAS ID: **C7439-92-1** Observation type: **Particles**
Particle diameter--lower bound (UM): **2.50** Particle diameter--upper bound (UM): **10.00** Field sampling or measurement principle: **Impactor**
Medium: **Teflon** Inlet type: **Hat or hood** Laboratory analytical method: **XRF** Sample preparation: **Temperature and humidity equilibration**
Blank Correction: **Blank corrected** Volume standardization: **Ambient temperature and pressure** Sampling Height above ground (m): **2.13**
Instrument name and model number: **Partisol #2025-D** Measurement principal investigator: **Dr. Costas Sioutas**

Site Name:**SCPCS PIU trailer at USC-California, California** Latitude:**34.01917 deg.** Longitude:**-117.72278 deg.** Start Date:**2002-10-17** End Date:**2003-06-11**



Statistics

Number of obs: **24**
Number of missing: **0**
Minimum: **0.000731**
25th Percentile: **0.002073**
Median: **0.0038855**
Mean: **0.004**
75th Percentile: **0.0054325**
Maximum: **0.018533**
Stnd Dev.: **0.004**

NARSTO Flags

Flag	Symbol	Count
V0:	●	**15**
V1:	+	**2**
V4:	◆	**7**

Time Zone: PDT/PST/PDT

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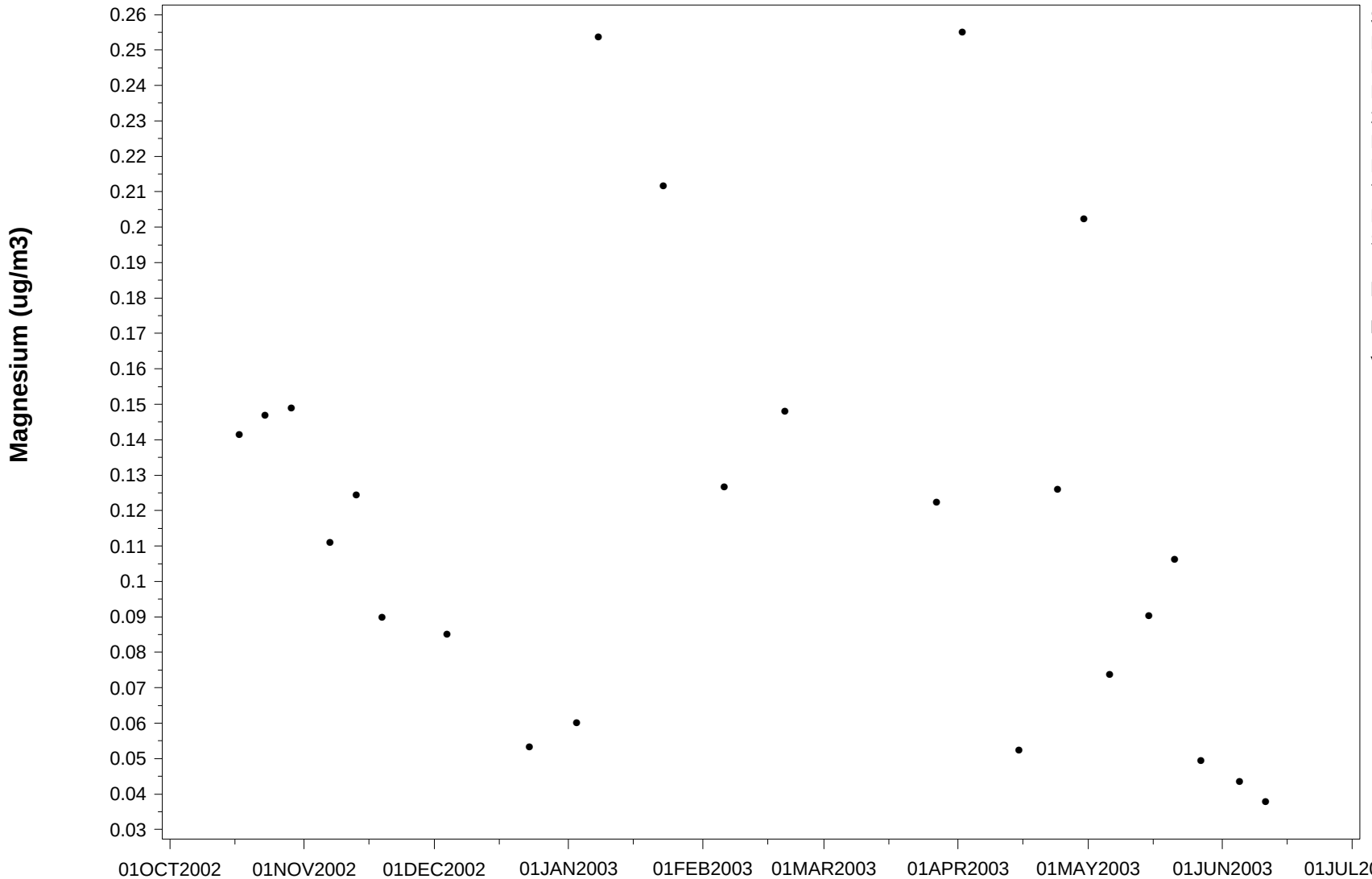
NARSTO Time Series Plot

15SEP2008

Site ID: **ES2LUSCA_USC** Variable name: **Magnesium** Units: **ug/m3** Sampling interval: **24 hour** CAS ID: **C7439-95-4** Observation type: **Particles**
Particle diameter--lower bound (UM): **2.50** Particle diameter--upper bound (UM): **10.00** Field sampling or measurement principle: **Impactor**
Medium: **Teflon** Inlet type: **Hat or hood** Laboratory analytical method: **XRF** Sample preparation: **Temperature and humidity equilibration**
Blank Correction: **Blank corrected** Volume standardization: **Ambient temperature and pressure** Sampling Height above ground (m): **2.13**
Instrument name and model number: **Partisol #2025-D** Measurement principal investigator: **Dr. Costas Sioutas**

Site Name:**SCPCS PIU trailer at USC-California, California** Latitude:**34.01917 deg.** Longitude:**-117.72278 deg.** Start Date:**2002-10-17** End Date:**2003-06-11**



Time Zone: PDT/PST/PDT

Statistics

Number of obs: **24**
Number of missing: **0**
Minimum: **0.037799**
25th Percentile: **0.0669545**
Median: **0.1166005**
Mean: **0.119**
75th Percentile: **0.1474345**
Maximum: **0.255121**
Stnd Dev.: **0.063**

NARSTO Flags

Flag Symbol Count

V0: ● **24**

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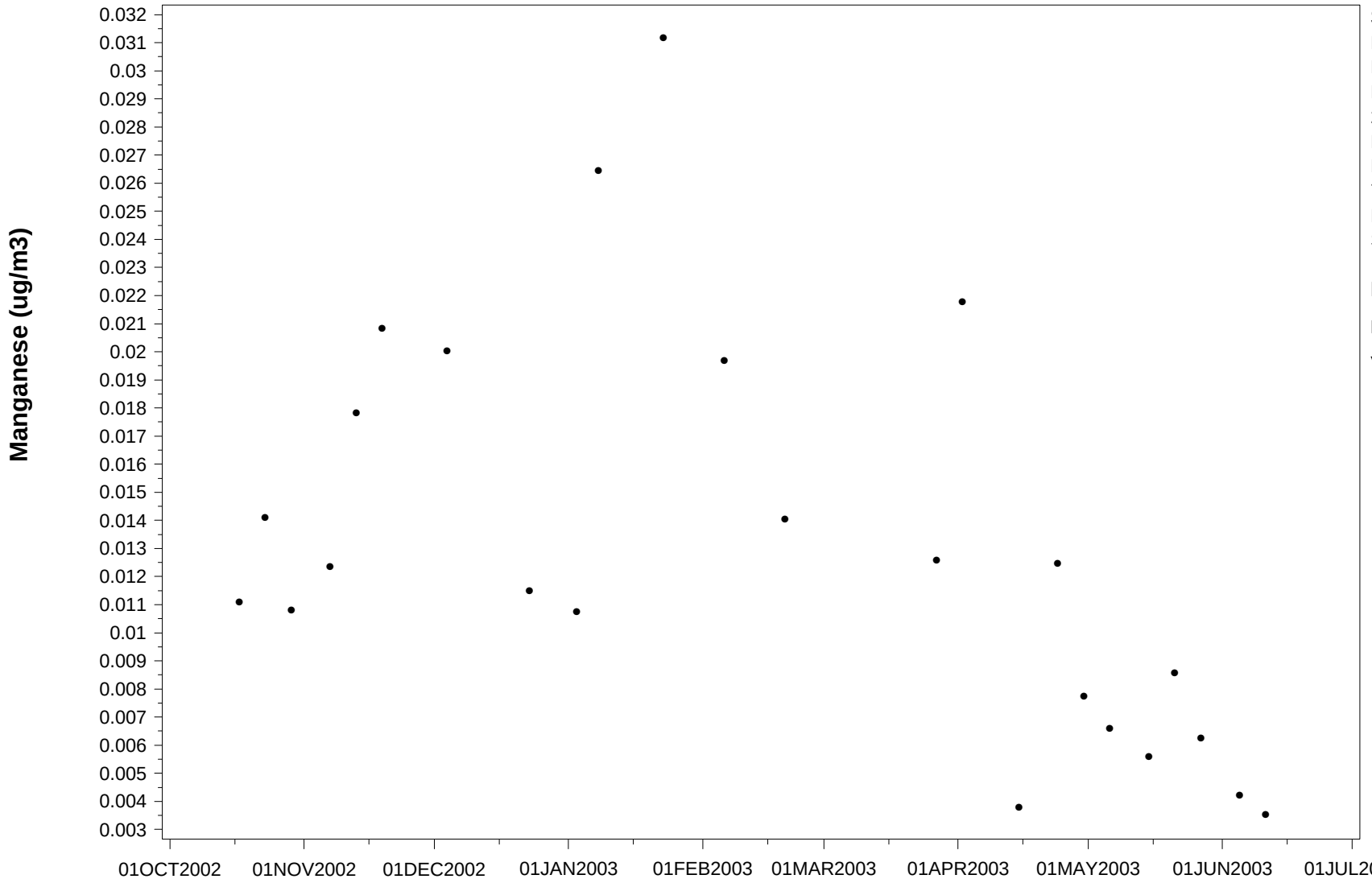
NARSTO Time Series Plot

15SEP2008

Site ID: **ES2LUSCA_USC** Variable name: **Manganese** Units: **ug/m3** Sampling interval: **24 hour** CAS ID: **C7439-96-5** Observation type: **Particles**
Particle diameter--lower bound (UM): **2.50** Particle diameter--upper bound (UM): **10.00** Field sampling or measurement principle: **Impactor**
Medium: **Teflon** Inlet type: **Hat or hood** Laboratory analytical method: **XRF** Sample preparation: **Temperature and humidity equilibration**
Blank Correction: **Blank corrected** Volume standardization: **Ambient temperature and pressure** Sampling Height above ground (m): **2.13**
Instrument name and model number: **Partisol #2025-D** Measurement principal investigator: **Dr. Costas Sioutas**

Site Name:**SCPCS PIU trailer at USC-California, California** Latitude:**34.01917 deg.** Longitude:**-117.72278 deg.** Start Date:**2002-10-17** End Date:**2003-06-11**



Statistics

Number of obs: **24**
Number of missing: **0**
Minimum: **0.003545**
25th Percentile: **0.0071785**
Median: **0.011935**
Mean: **0.013**
75th Percentile: **0.0187505**
Maximum: **0.031179**
Stnd Dev.: **0.007**

NARSTO Flags

Flag Symbol Count

V0: ● **24**

Time Zone: PDT/PST/PDT

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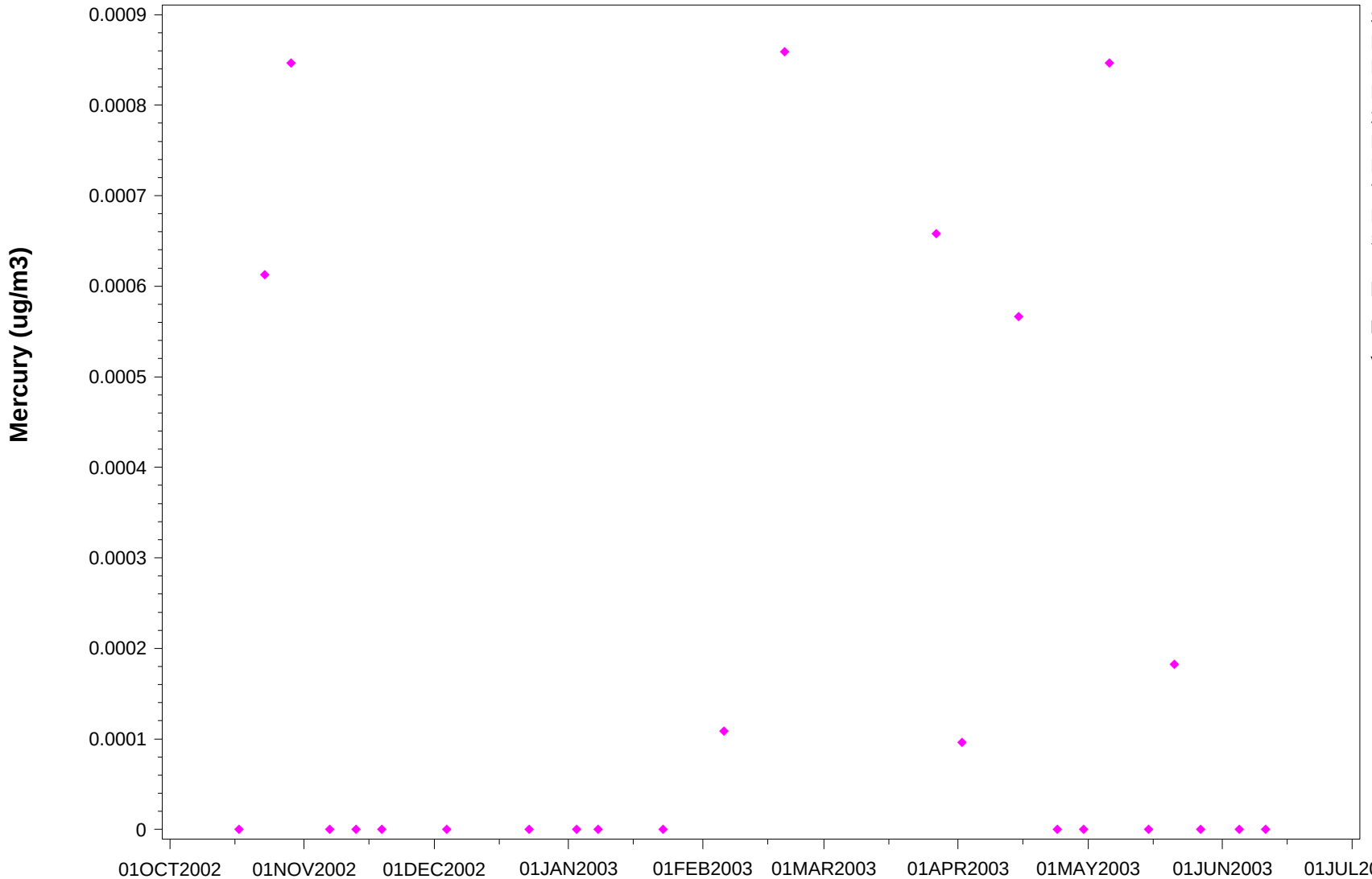
NARSTO Time Series Plot

15SEP2008

Site ID: **ES2LUSCA_USC** Variable name: **Mercury** Units: **ug/m3** Sampling interval: **24 hour** CAS ID: **C7439-97-6** Observation type: **Particles**
Particle diameter--lower bound (UM): **2.50** Particle diameter--upper bound (UM): **10.00** Field sampling or measurement principle: **Impactor**
Medium: **Teflon** Inlet type: **Hat or hood** Laboratory analytical method: **XRF** Sample preparation: **Temperature and humidity equilibration**
Blank Correction: **Blank corrected** Volume standardization: **Ambient temperature and pressure** Sampling Height above ground (m): **2.13**
Instrument name and model number: **Partisol #2025-D** Measurement principal investigator: **Dr. Costas Sioutas**

Site Name:**SCPCS PIU trailer at USC-California, California** Latitude:**34.01917 deg.** Longitude:**-117.72278 deg.** Start Date:**2002-10-17** End Date:**2003-06-11**



Time Zone: PDT/PST/PDT

Statistics

Number of obs: **24**
Number of missing: **0**
Minimum: **0**
25th Percentile: **0**
Median: **0**
Mean: **0.000**
75th Percentile: **0.000375**
Maximum: **0.000859**
Stnd Dev.: **0.000**

NARSTO Flags

Flag Symbol Count

V4: ◆ **24**

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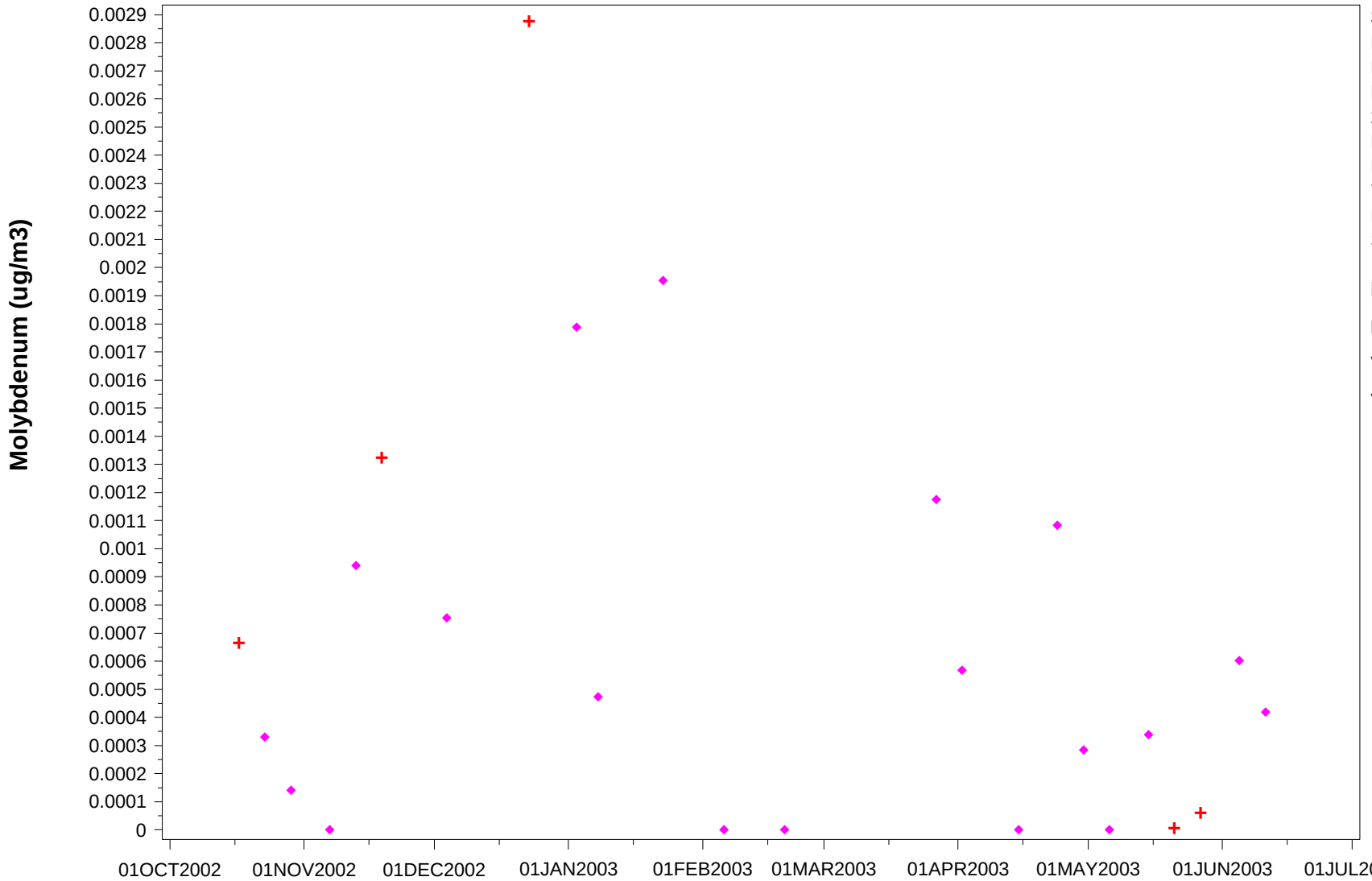
NARSTO Time Series Plot

15SEP2008

Site ID: **ES2LUSCA_USC** Variable name: **Molybdenum** Units: **ug/m3** Sampling interval: **24 hour** CAS ID: **C7439-98-7** Observation type: **Particles**
Particle diameter--lower bound (UM): **2.50** Particle diameter--upper bound (UM): **10.00** Field sampling or measurement principle: **Impactor**
Medium: **Teflon** Inlet type: **Hat or hood** Laboratory analytical method: **XRF** Sample preparation: **Temperature and humidity equilibration**
Blank Correction: **Blank corrected** Volume standardization: **Ambient temperature and pressure** Sampling Height above ground (m): **2.13**
Instrument name and model number: **Partisol #2025-D** Measurement principal investigator: **Dr. Costas Sioutas**

Site Name:**SCPCS PIU trailer at USC-California, California** Latitude:**34.01917 deg.** Longitude:**-117.72278 deg.** Start Date:**2002-10-17** End Date:**2003-06-11**



Time Zone: PDT/PST/PDT

Statistics

Number of obs: **24**
Number of missing: **0**
Minimum: **0**
25th Percentile: **0.0000265**
Median: **0.0004465**
Mean: **0.001**
75th Percentile: **0.0010125**
Maximum: **0.002871**
Stnd Dev.: **0.001**

NARSTO Flags

Flag	Symbol	Count
V1:	+	**5**
V4:	◆	**19**

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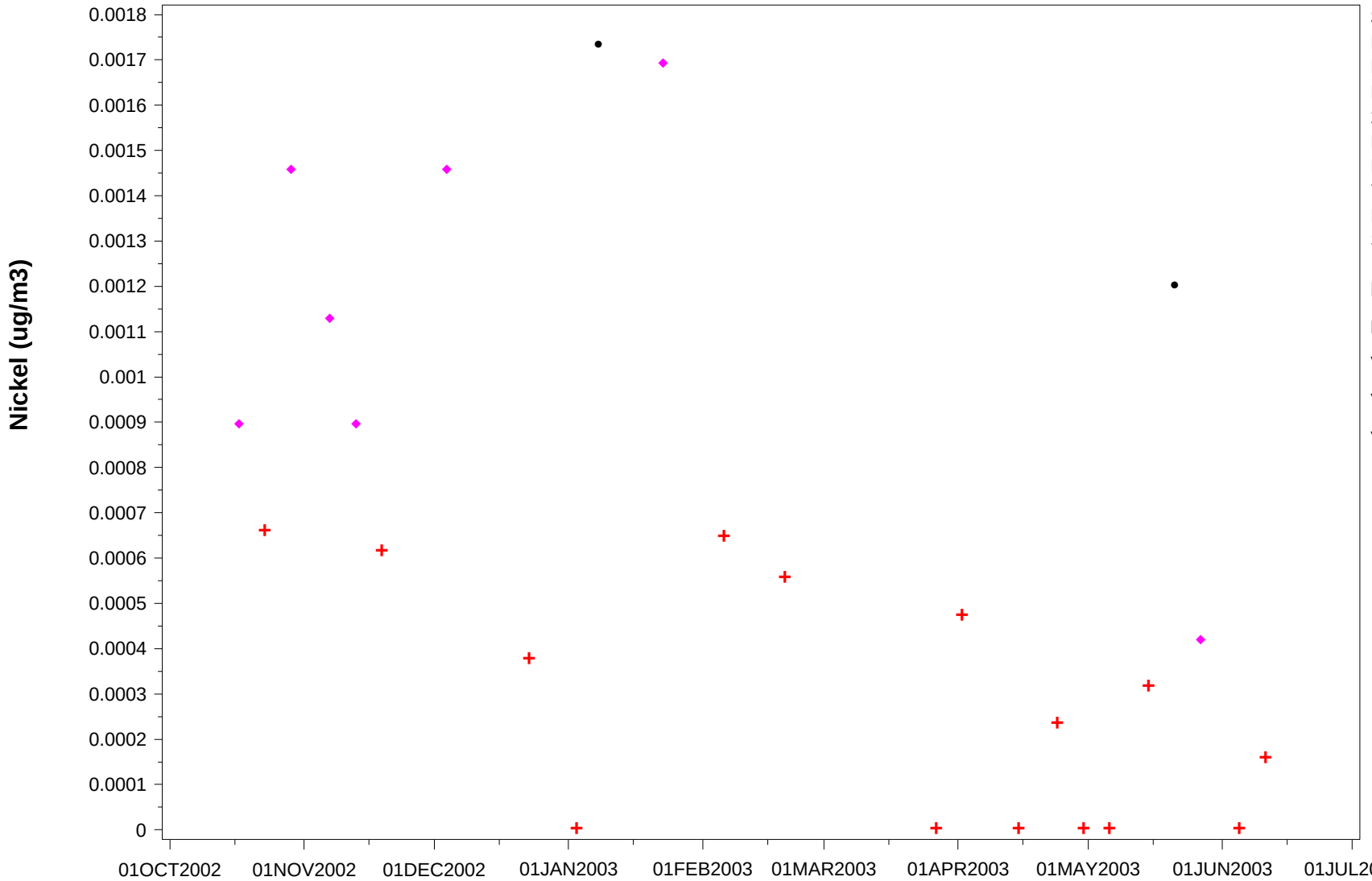
NARSTO Time Series Plot

15SEP2008

Site ID: **ES2LUSCA_USC** Variable name: **Nickel** Units: **ug/m3** Sampling interval: **24 hour** CAS ID: **C7440-02-0** Observation type: **Particles**
Particle diameter--lower bound (UM): **2.50** Particle diameter--upper bound (UM): **10.00** Field sampling or measurement principle: **Impactor**
Medium: **Teflon** Inlet type: **Hat or hood** Laboratory analytical method: **XRF** Sample preparation: **Temperature and humidity equilibration**
Blank Correction: **Blank corrected** Volume standardization: **Ambient temperature and pressure** Sampling Height above ground (m): **2.13**
Instrument name and model number: **Partisol #2025-D** Measurement principal investigator: **Dr. Costas Sioutas**

Site Name:**SCPCS PIU trailer at USC-California, California** Latitude:**34.01917 deg.** Longitude:**-117.72278 deg.** Start Date:**2002-10-17** End Date:**2003-06-11**



Statistics

Number of obs: **24**
Number of missing: **0**
Minimum: **0**
25th Percentile: **0.0000785**
Median: **0.0005125**
Mean: **0.001**
75th Percentile: **0.0010125**
Maximum: **0.001735**
Stnd Dev.: **0.001**

NARSTO Flags

Flag	Symbol	Count
V0:	●	**2**
V1:	+	**15**
V4:	◆	**7**

Time Zone: PDT/PST/PDT

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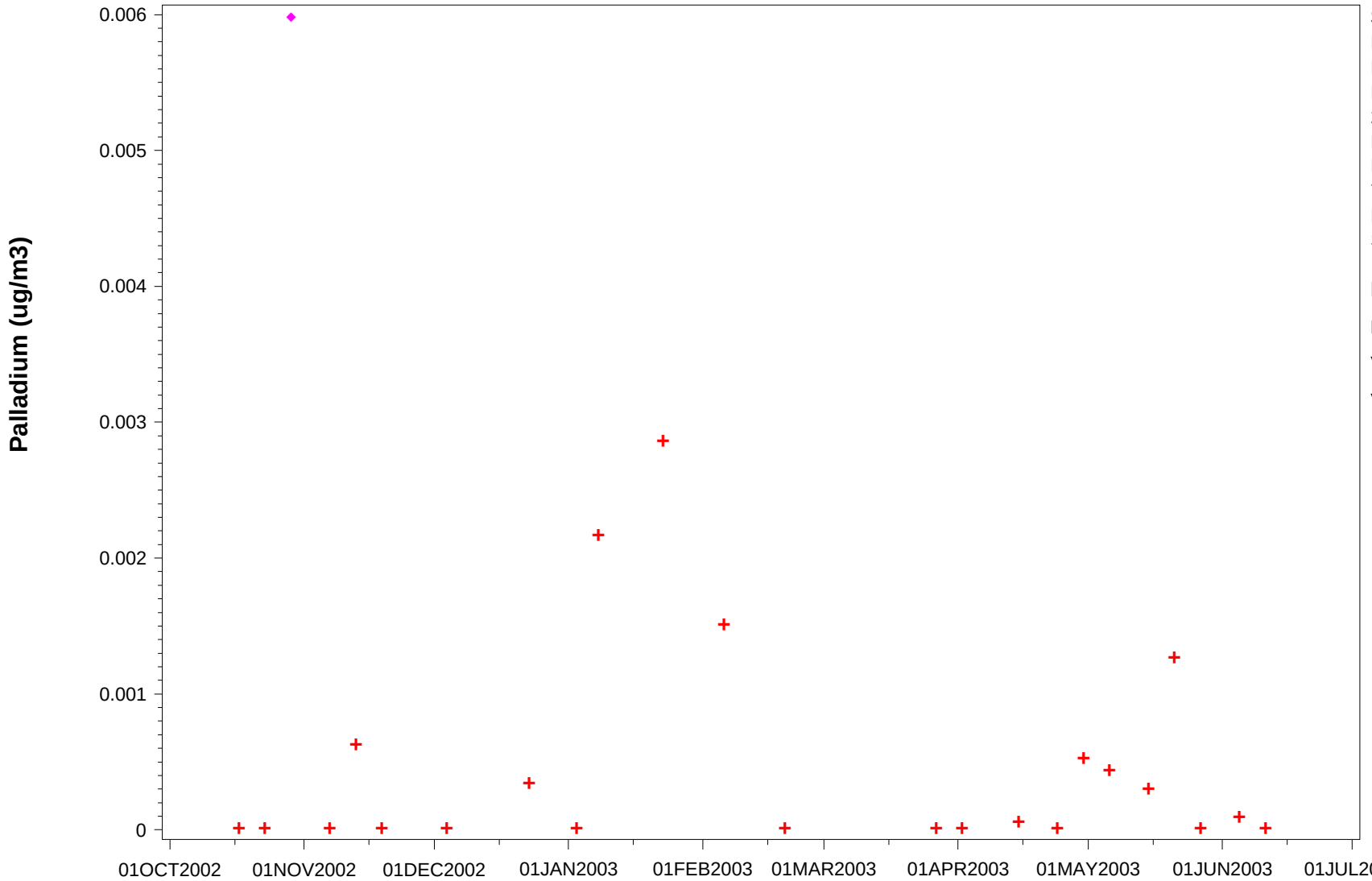
NARSTO Time Series Plot

15SEP2008

Site ID: **ES2LUSCA_USC** Variable name: **Palladium** Units: **ug/m3** Sampling interval: **24 hour** CAS ID: **C7440-05-3** Observation type: **Particles**
Particle diameter--lower bound (UM): **2.50** Particle diameter--upper bound (UM): **10.00** Field sampling or measurement principle: **Impactor**
Medium: **Teflon** Inlet type: **Hat or hood** Laboratory analytical method: **XRF** Sample preparation: **Temperature and humidity equilibration**
Blank Correction: **Blank corrected** Volume standardization: **Ambient temperature and pressure** Sampling Height above ground (m): **2.13**
Instrument name and model number: **Partisol #2025-D** Measurement principal investigator: **Dr. Costas Sioutas**

Site Name:**SCPCS PIU trailer at USC-California, California** Latitude:**34.01917 deg.** Longitude:**-117.72278 deg.** Start Date:**2002-10-17** End Date:**2003-06-11**



Statistics

Number of obs: **24**
Number of missing: **0**
Minimum: **0**
25th Percentile: **0**
Median: **0.000023**
Mean: **0.001**
75th Percentile: **0.000565**
Maximum: **0.005979**
Stnd Dev.: **0.001**

NARSTO Flags

Flag	Symbol	Count
V1:	+	**23**
V4:	◆	**1**

Time Zone: PDT/PST/PDT

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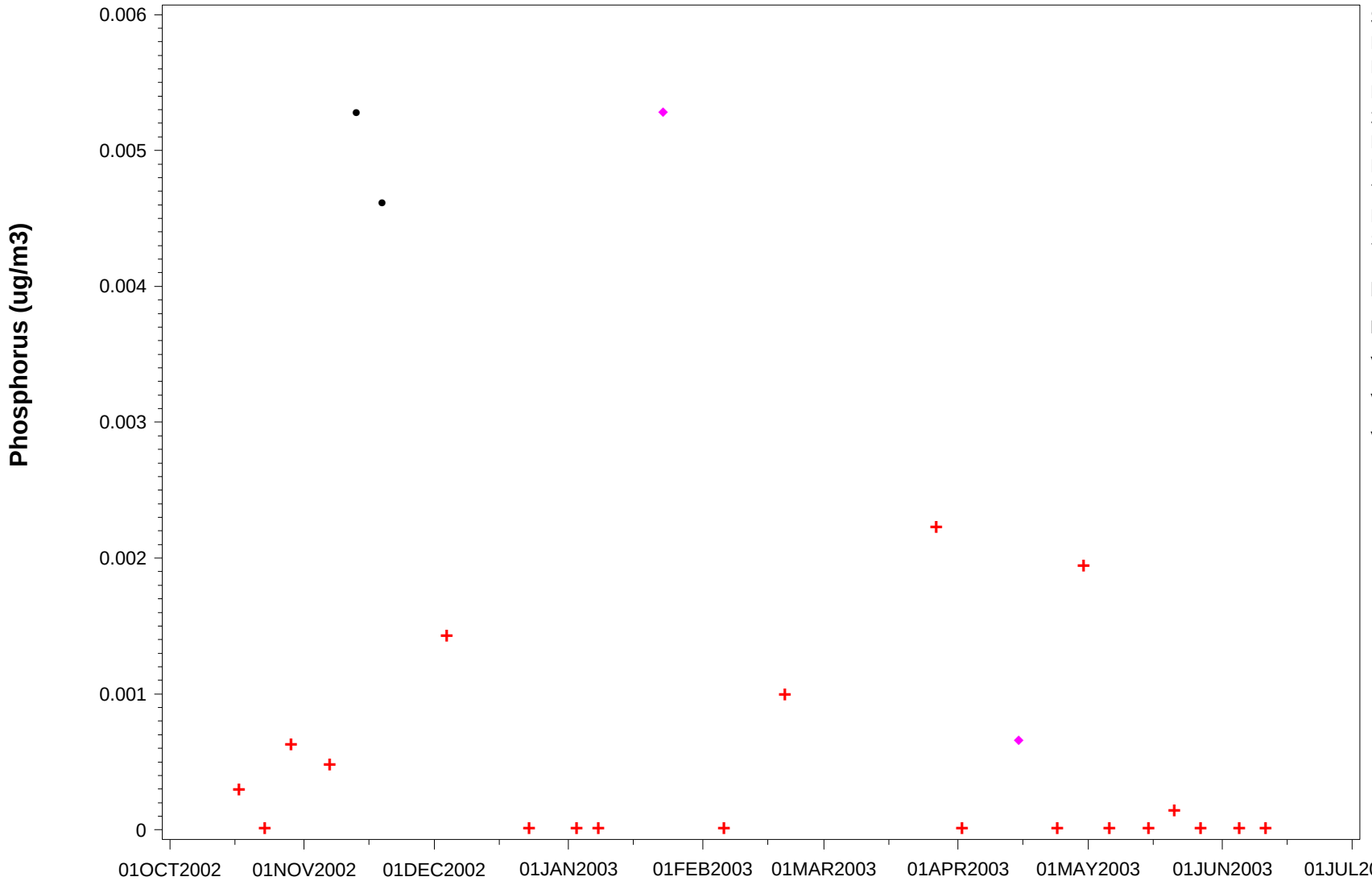
NARSTO Time Series Plot

15SEP2008

Site ID: **ES2LUSCA_USC** Variable name: **Phosphorus** Units: **ug/m3** Sampling interval: **24 hour** CAS ID: **C7723-14-0** Observation type: **Particles**
Particle diameter--lower bound (UM): **2.50** Particle diameter--upper bound (UM): **10.00** Field sampling or measurement principle: **Impactor**
Medium: **Teflon** Inlet type: **Hat or hood** Laboratory analytical method: **XRF** Sample preparation: **Temperature and humidity equilibration**
Blank Correction: **Blank corrected** Volume standardization: **Ambient temperature and pressure** Sampling Height above ground (m): **2.13**
Instrument name and model number: **Partisol #2025-D** Measurement principal investigator: **Dr. Costas Sioutas**

Site Name:**SCPCS PIU trailer at USC-California, California** Latitude:**34.01917 deg.** Longitude:**-117.72278 deg.** Start Date:**2002-10-17** End Date:**2003-06-11**



Time Zone: PDT/PST/PDT

Statistics

Number of obs: **24**
Number of missing: **0**
Minimum: **0**
25th Percentile: **0**
Median: **0.000065**
Mean: **0.001**
75th Percentile: **0.0011985**
Maximum: **0.00528**
Stnd Dev.: **0.002**

NARSTO Flags

Flag	Symbol	Count
V0:	●	**2**
V1:	+	**20**
V4:	◆	**2**

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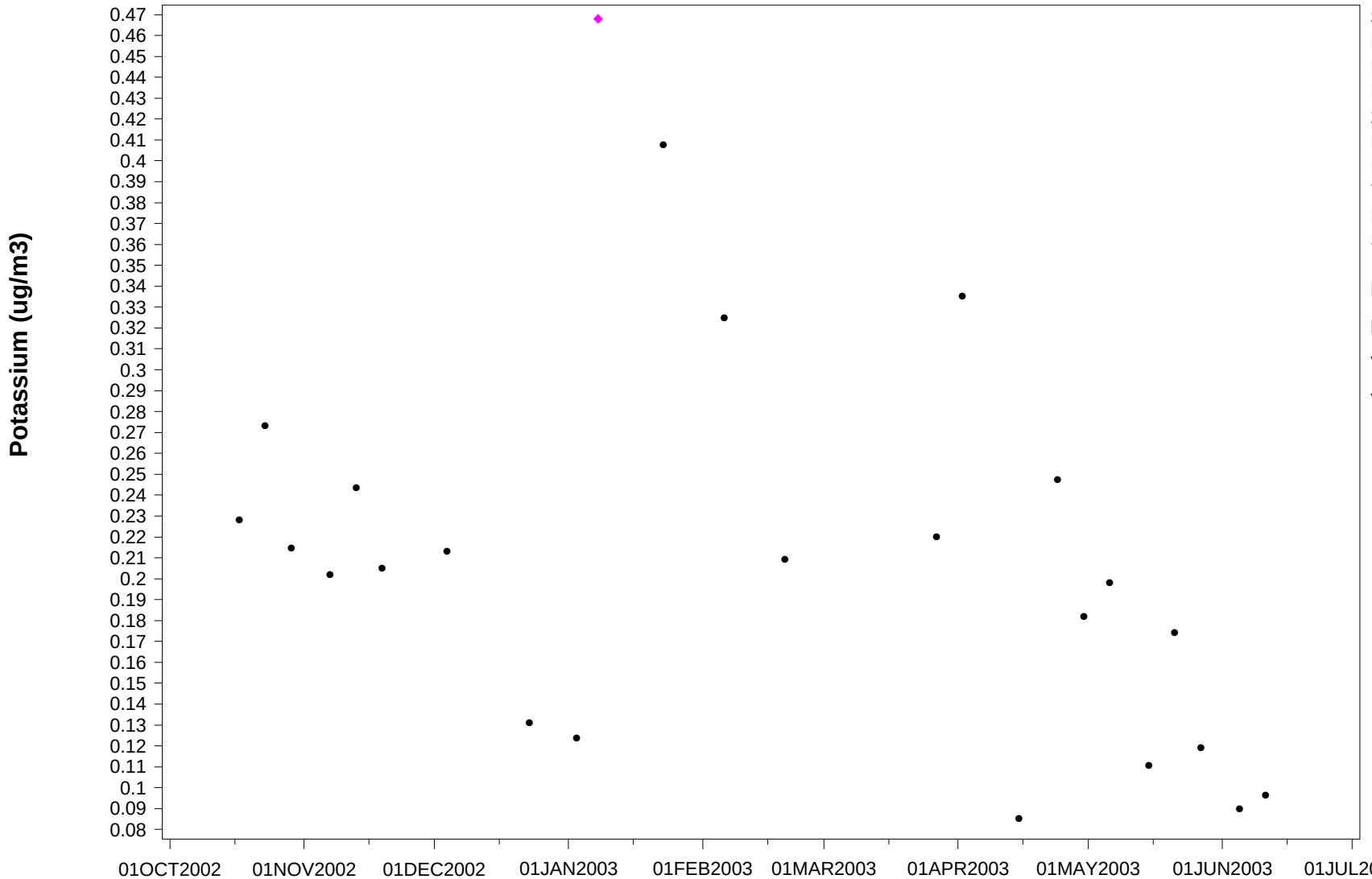
NARSTO Time Series Plot

15SEP2008

Site ID: **ES2LUSCA_USC** Variable name: **Potassium** Units: **ug/m3** Sampling interval: **24 hour** CAS ID: **C7440-09-7** Observation type: **Particles**
Particle diameter--lower bound (UM): **2.50** Particle diameter--upper bound (UM): **10.00** Field sampling or measurement principle: **Impactor**
Medium: **Teflon** Inlet type: **Hat or hood** Laboratory analytical method: **XRF** Sample preparation: **Temperature and humidity equilibration**
Blank Correction: **Blank corrected** Volume standardization: **Ambient temperature and pressure** Sampling Height above ground (m): **2.13**
Instrument name and model number: **Partisol #2025-D** Measurement principal investigator: **Dr. Costas Sioutas**

Site Name:**SCPCS PIU trailer at USC-California, California** Latitude:**34.01917 deg.** Longitude:**-117.72278 deg.** Start Date:**2002-10-17** End Date:**2003-06-11**



Time Zone: PDT/PST/PDT

Statistics

Number of obs: **24**
Number of missing: **0**
Minimum: **0.085458**
25th Percentile: **0.127583**
Median: **0.207038**
Mean: **0.213**
75th Percentile: **0.2455625**
Maximum: **0.467907**
Stnd Dev.: **0.097**

NARSTO Flags

Flag	Symbol	Count
V0:	●	**23**
V4:	◆	**1**

File Name: NARSTO_EPA_SS_LA_USC_PARTISOL_ELEMENT_20021017-20030611.png

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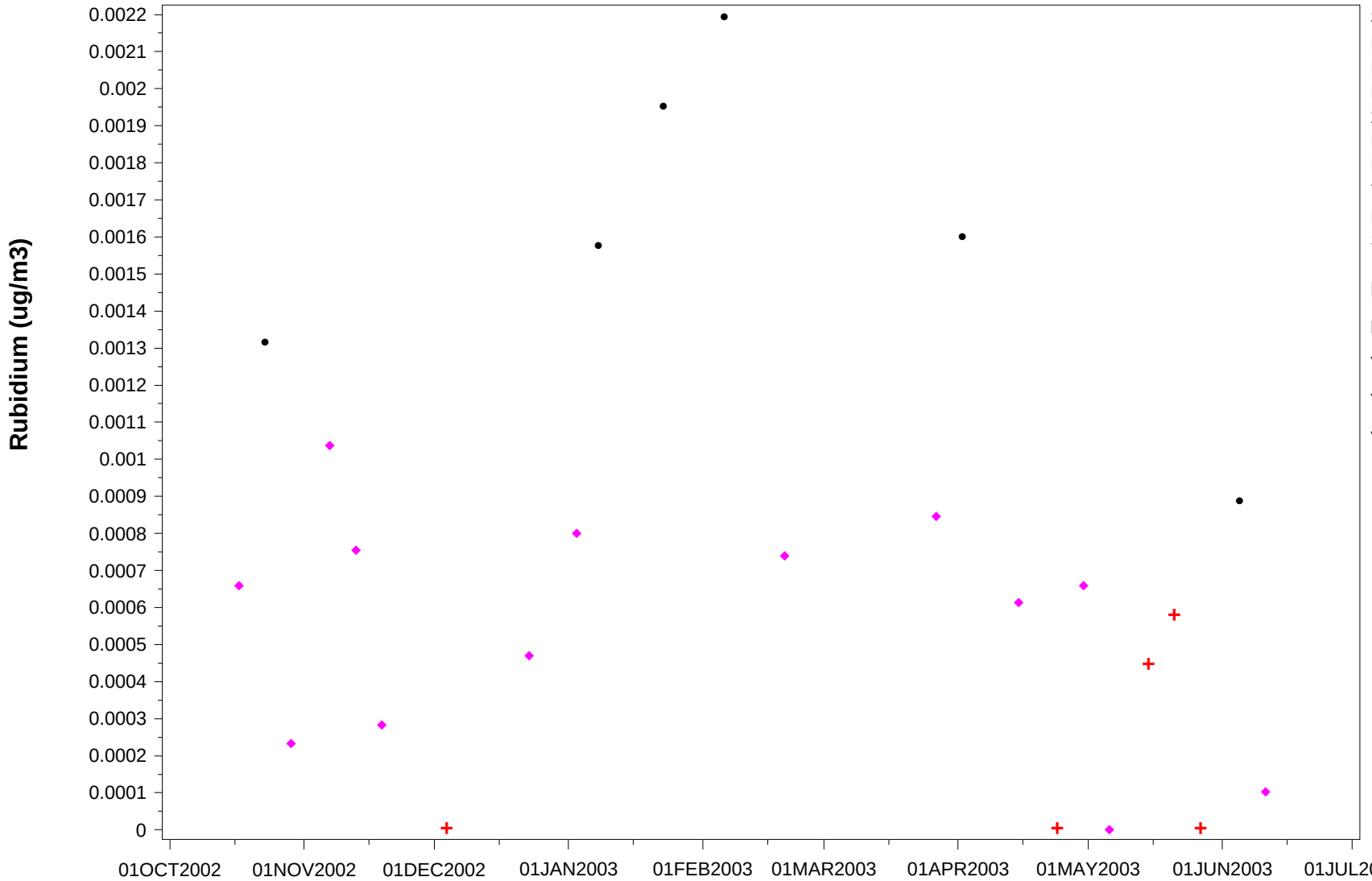
NARSTO Time Series Plot

15SEP2008

Site ID: **ES2LUSCA_USC** Variable name: **Rubidium** Units: **ug/m3** Sampling interval: **24 hour** CAS ID: **C7440-17-7** Observation type: **Particles**
Particle diameter--lower bound (UM): **2.50** Particle diameter--upper bound (UM): **10.00** Field sampling or measurement principle: **Impactor**
Medium: **Teflon** Inlet type: **Hat or hood** Laboratory analytical method: **XRF** Sample preparation: **Temperature and humidity equilibration**
Blank Correction: **Blank corrected** Volume standardization: **Ambient temperature and pressure** Sampling Height above ground (m): **2.13**
Instrument name and model number: **Partisol #2025-D** Measurement principal investigator: **Dr. Costas Sioutas**

Site Name:**SCPCS PIU trailer at USC-California, California** Latitude:**34.01917 deg.** Longitude:**-117.72278 deg.** Start Date:**2002-10-17** End Date:**2003-06-11**



Statistics

Number of obs: **24**
Number of missing: **0**
Minimum: **0**
25th Percentile: **0.000258**
Median: **0.000658**
Mean: **0.001**
75th Percentile: **0.0009635**
Maximum: **0.002194**
Stnd Dev.: **0.001**

NARSTO Flags

Flag	Symbol	Count
V0:	●	**6**
V1:	+	**5**
V4:	◆	**13**

Time Zone: PDT/PST/PDT

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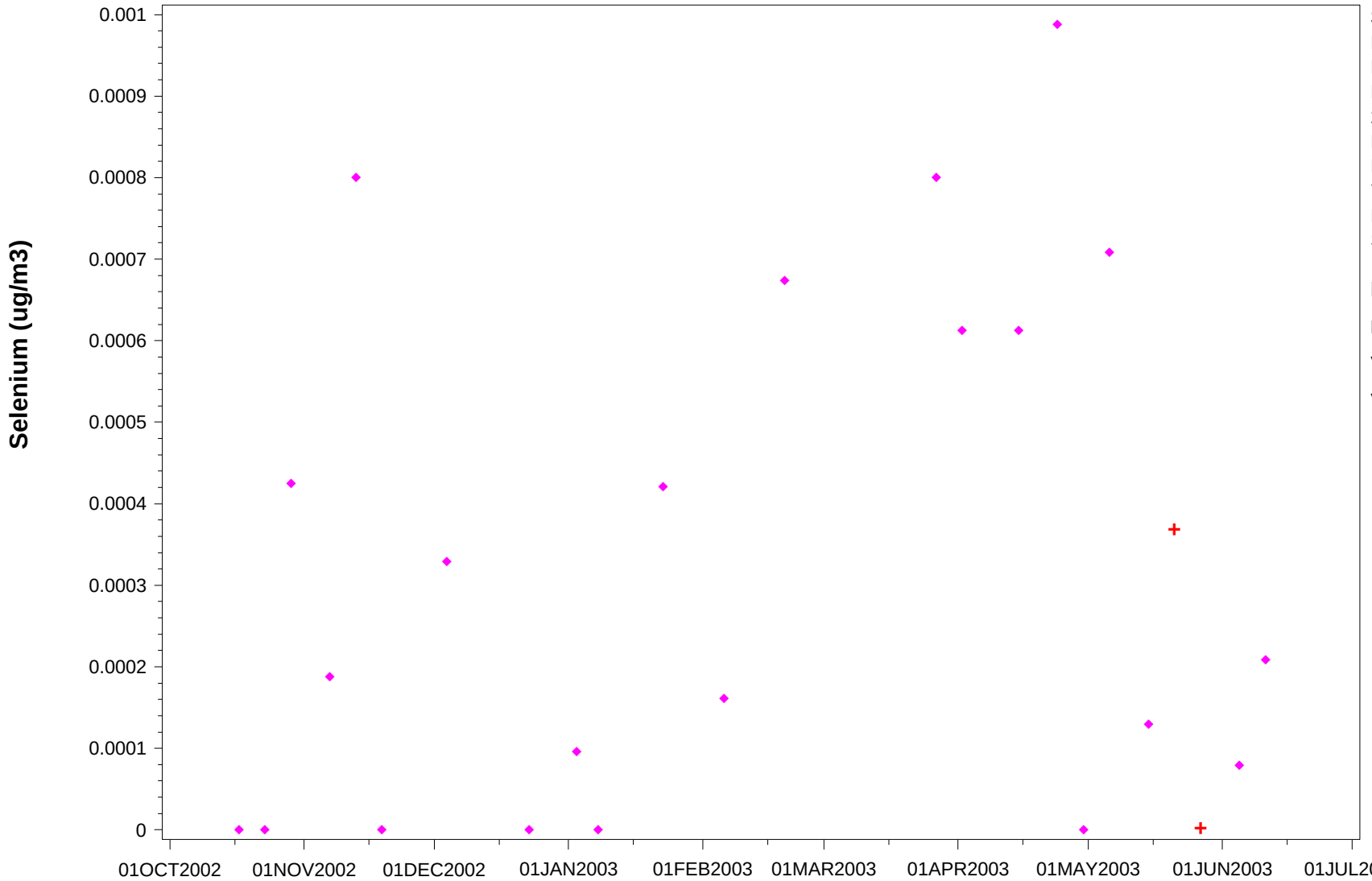
NARSTO Time Series Plot

15SEP2008

Site ID: **ES2LUSCA_USC** Variable name: **Selenium** Units: **ug/m3** Sampling interval: **24 hour** CAS ID: **C7782-49-2** Observation type: **Particles**
Particle diameter--lower bound (UM): **2.50** Particle diameter--upper bound (UM): **10.00** Field sampling or measurement principle: **Impactor**
Medium: **Teflon** Inlet type: **Hat or hood** Laboratory analytical method: **XRF** Sample preparation: **Temperature and humidity equilibration**
Blank Correction: **Blank corrected** Volume standardization: **Ambient temperature and pressure** Sampling Height above ground (m): **2.13**
Instrument name and model number: **Partisol #2025-D** Measurement principal investigator: **Dr. Costas Sioutas**

Site Name:**SCPCS PIU trailer at USC-California, California** Latitude:**34.01917 deg.** Longitude:**-117.72278 deg.** Start Date:**2002-10-17** End Date:**2003-06-11**



Statistics

Number of obs: **24**
Number of missing: **0**
Minimum: **0**
25th Percentile: **0**
Median: **0.000198**
Mean: **0.000**
75th Percentile: **0.000613**
Maximum: **0.000988**
Stnd Dev.: **0.000**

NARSTO Flags

Flag	Symbol	Count
V1:	+	**2**
V4:	◆	**22**

Time Zone: PDT/PST/PDT

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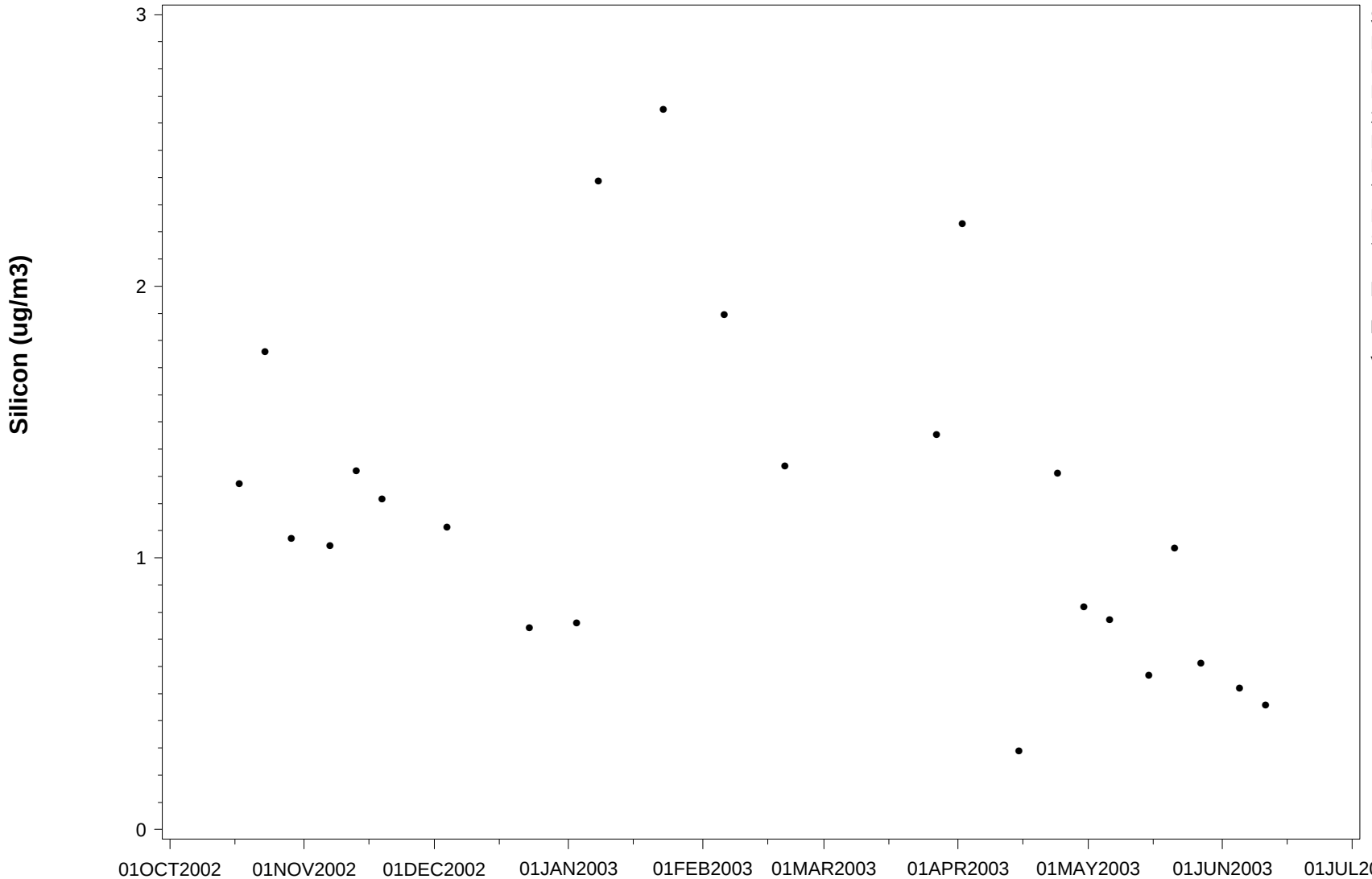
NARSTO Time Series Plot

15SEP2008

Site ID: **ES2LUSCA_USC** Variable name: **Silicon** Units: **ug/m3** Sampling interval: **24 hour** CAS ID: **C7440-21-3** Observation type: **Particles**
Particle diameter--lower bound (UM): **2.50** Particle diameter--upper bound (UM): **10.00** Field sampling or measurement principle: **Impactor**
Medium: **Teflon** Inlet type: **Hat or hood** Laboratory analytical method: **XRF** Sample preparation: **Temperature and humidity equilibration**
Blank Correction: **Blank corrected** Volume standardization: **Ambient temperature and pressure** Sampling Height above ground (m): **2.13**
Instrument name and model number: **Partisol #2025-D** Measurement principal investigator: **Dr. Costas Sioutas**

Site Name:**SCPCS PIU trailer at USC-California, California** Latitude:**34.01917 deg.** Longitude:**-117.72278 deg.** Start Date:**2002-10-17** End Date:**2003-06-11**



Statistics

Number of obs: **24**
Number of missing: **0**
Minimum: **0.290696**
25th Percentile: **0.75053**
Median: **1.0924045**
Mean: **1.193**
75th Percentile: **1.3962355**
Maximum: **2.650594**
Stnd Dev.: **0.621**

NARSTO Flags

Flag Symbol Count

V0: ● **24**

Time Zone: PDT/PST/PDT

File Name: NARSTO_EPA_SS_LA_USC_PARTISOL_ELEMENT_20021017-20030611.txt

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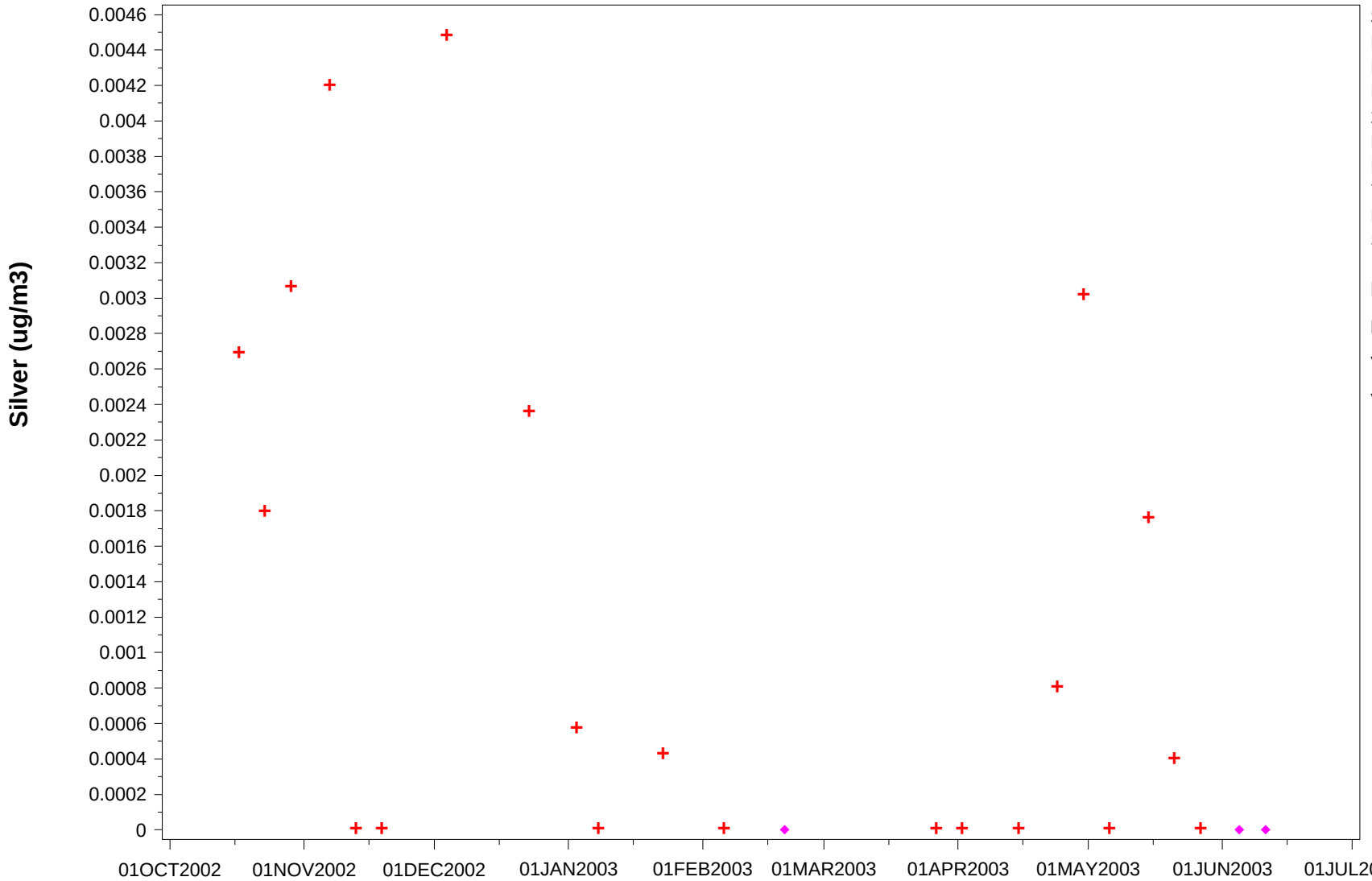
NARSTO Time Series Plot

15SEP2008

Site ID: **ES2LUSCA_USC** Variable name: **Silver** Units: **ug/m3** Sampling interval: **24 hour** CAS ID: **C7440-22-4** Observation type: **Particles**
Particle diameter--lower bound (UM): **2.50** Particle diameter--upper bound (UM): **10.00** Field sampling or measurement principle: **Impactor**
Medium: **Teflon** Inlet type: **Hat or hood** Laboratory analytical method: **XRF** Sample preparation: **Temperature and humidity equilibration**
Blank Correction: **Blank corrected** Volume standardization: **Ambient temperature and pressure** Sampling Height above ground (m): **2.13**
Instrument name and model number: **Partisol #2025-D** Measurement principal investigator: **Dr. Costas Sioutas**

Site Name:**SCPCS PIU trailer at USC-California, California** Latitude:**34.01917 deg.** Longitude:**-117.72278 deg.** Start Date:**2002-10-17** End Date:**2003-06-11**



Statistics

Number of obs: **24**
Number of missing: **0**
Minimum: **0**
25th Percentile: **0**
Median: **0.000197**
Mean: **0.001**
75th Percentile: **0.002071**
Maximum: **0.004475**
Stnd Dev.: **0.001**

NARSTO Flags

Flag	Symbol	Count
V1:	+	**21**
V4:	◆	**3**

Time Zone: PDT/PST/PDT

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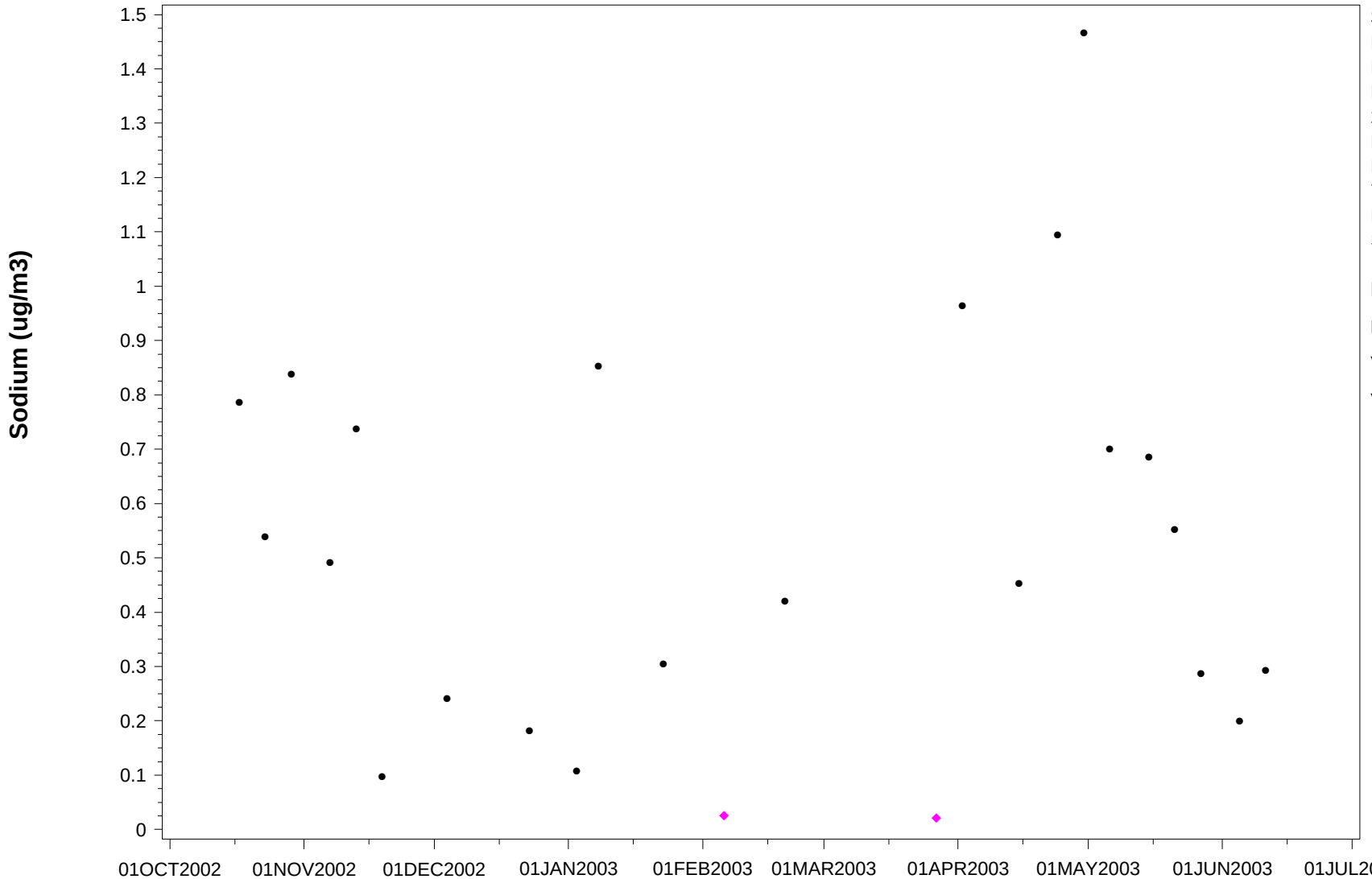
NARSTO Time Series Plot

15SEP2008

Site ID: **ES2LUSCA_USC** Variable name: **Sodium** Units: **ug/m3** Sampling interval: **24 hour** CAS ID: **C7440-23-5** Observation type: **Particles**
Particle diameter--lower bound (UM): **2.50** Particle diameter--upper bound (UM): **10.00** Field sampling or measurement principle: **Impactor**
Medium: **Teflon** Inlet type: **Hat or hood** Laboratory analytical method: **XRF** Sample preparation: **Temperature and humidity equilibration**
Blank Correction: **Blank corrected** Volume standardization: **Ambient temperature and pressure** Sampling Height above ground (m): **2.13**
Instrument name and model number: **Partisol #2025-D** Measurement principal investigator: **Dr. Costas Sioutas**

Site Name:**SCPCS PIU trailer at USC-California, California** Latitude:**34.01917 deg.** Longitude:**-117.72278 deg.** Start Date:**2002-10-17** End Date:**2003-06-11**



Time Zone: PDT/PST/PDT

Statistics

Number of obs: **24**
Number of missing: **0**
Minimum: **0.021517**
25th Percentile: **0.220526**
Median: **0.4719085**
Mean: **0.514**
75th Percentile: **0.7623255**
Maximum: **1.465659**
Stnd Dev.: **0.368**

NARSTO Flags

Flag	Symbol	Count
V0:	●	**22**
V4:	◆	**2**

File Name: NARSTO_EPA_SS_LA_USC_PARTISOL_ELEMENT_20021017-20030611.txt

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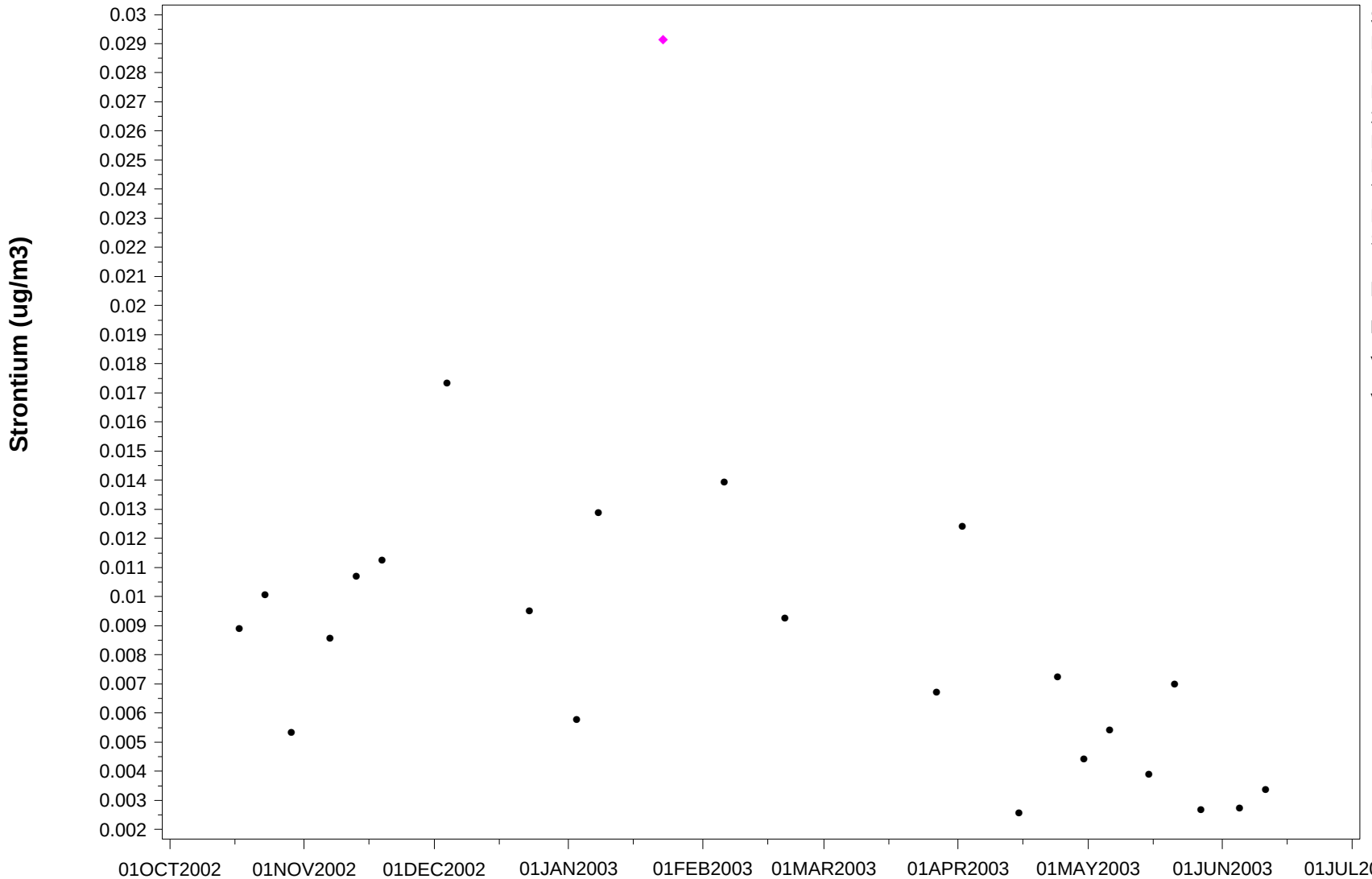
NARSTO Time Series Plot

15SEP2008

Site ID: **ES2LUSCA_USC** Variable name: **Strontium** Units: **ug/m3** Sampling interval: **24 hour** CAS ID: **C7440-24-6** Observation type: **Particles**
Particle diameter--lower bound (UM): **2.50** Particle diameter--upper bound (UM): **10.00** Field sampling or measurement principle: **Impactor**
Medium: **Teflon** Inlet type: **Hat or hood** Laboratory analytical method: **XRF** Sample preparation: **Temperature and humidity equilibration**
Blank Correction: **Blank corrected** Volume standardization: **Ambient temperature and pressure** Sampling Height above ground (m): **2.13**
Instrument name and model number: **Partisol #2025-D** Measurement principal investigator: **Dr. Costas Sioutas**

Site Name:**SCPCS PIU trailer at USC-California, California** Latitude:**34.01917 deg.** Longitude:**-117.72278 deg.** Start Date:**2002-10-17** End Date:**2003-06-11**



Time Zone: PDT/PST/PDT

Statistics

Number of obs: **24**
Number of missing: **0**
Minimum: **0.00259**
25th Percentile: **0.004874**
Median: **0.0079115**
Mean: **0.009**
75th Percentile: **0.0109695**
Maximum: **0.029148**
Stnd Dev.: **0.006**

NARSTO Flags

Flag	Symbol	Count
V0:	●	**23**
V4:	◆	**1**

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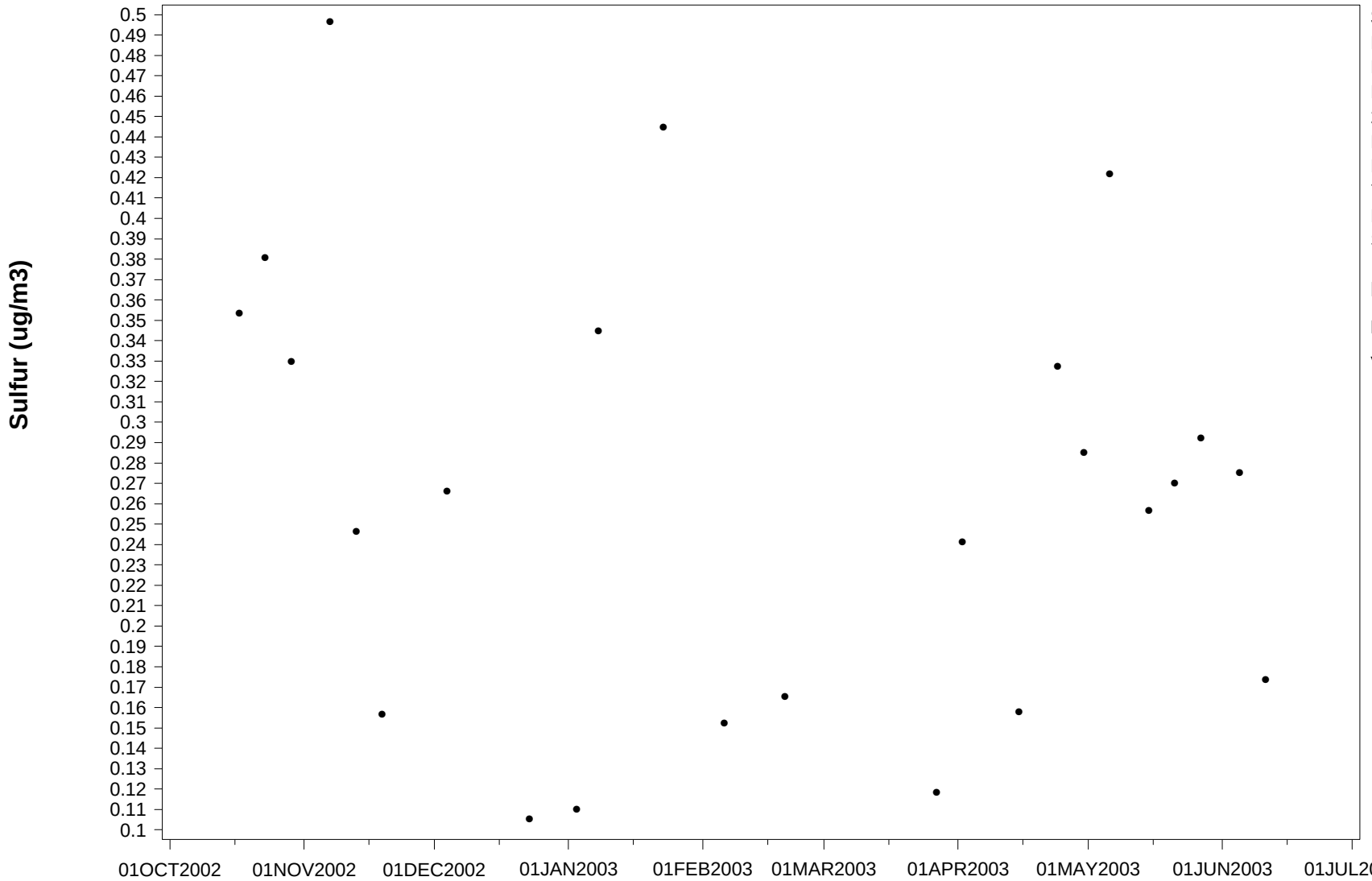
NARSTO Time Series Plot

15SEP2008

Site ID: **ES2LUSCA_USC** Variable name: **Sulfur** Units: **ug/m3** Sampling interval: **24 hour** CAS ID: **C7704-34-9** Observation type: **Particles**
Particle diameter--lower bound (UM): **2.50** Particle diameter--upper bound (UM): **10.00** Field sampling or measurement principle: **Impactor**
Medium: **Teflon** Inlet type: **Hat or hood** Laboratory analytical method: **XRF** Sample preparation: **Temperature and humidity equilibration**
Blank Correction: **Blank corrected** Volume standardization: **Ambient temperature and pressure** Sampling Height above ground (m): **2.13**
Instrument name and model number: **Partisol #2025-D** Measurement principal investigator: **Dr. Costas Sioutas**

Site Name:**SCPCS PIU trailer at USC-California, California** Latitude:**34.01917 deg.** Longitude:**-117.72278 deg.** Start Date:**2002-10-17** End Date:**2003-06-11**



Time Zone: PDT/PST/PDT

Statistics

Number of obs: **24**
Number of missing: **0**
Minimum: **0.105513**
25th Percentile: **0.161705**
Median: **0.26823**
Mean: **0.266**
75th Percentile: **0.33717**
Maximum: **0.496471**
Stnd Dev.: **0.109**

NARSTO Flags

Flag Symbol Count

V0: ● **24**

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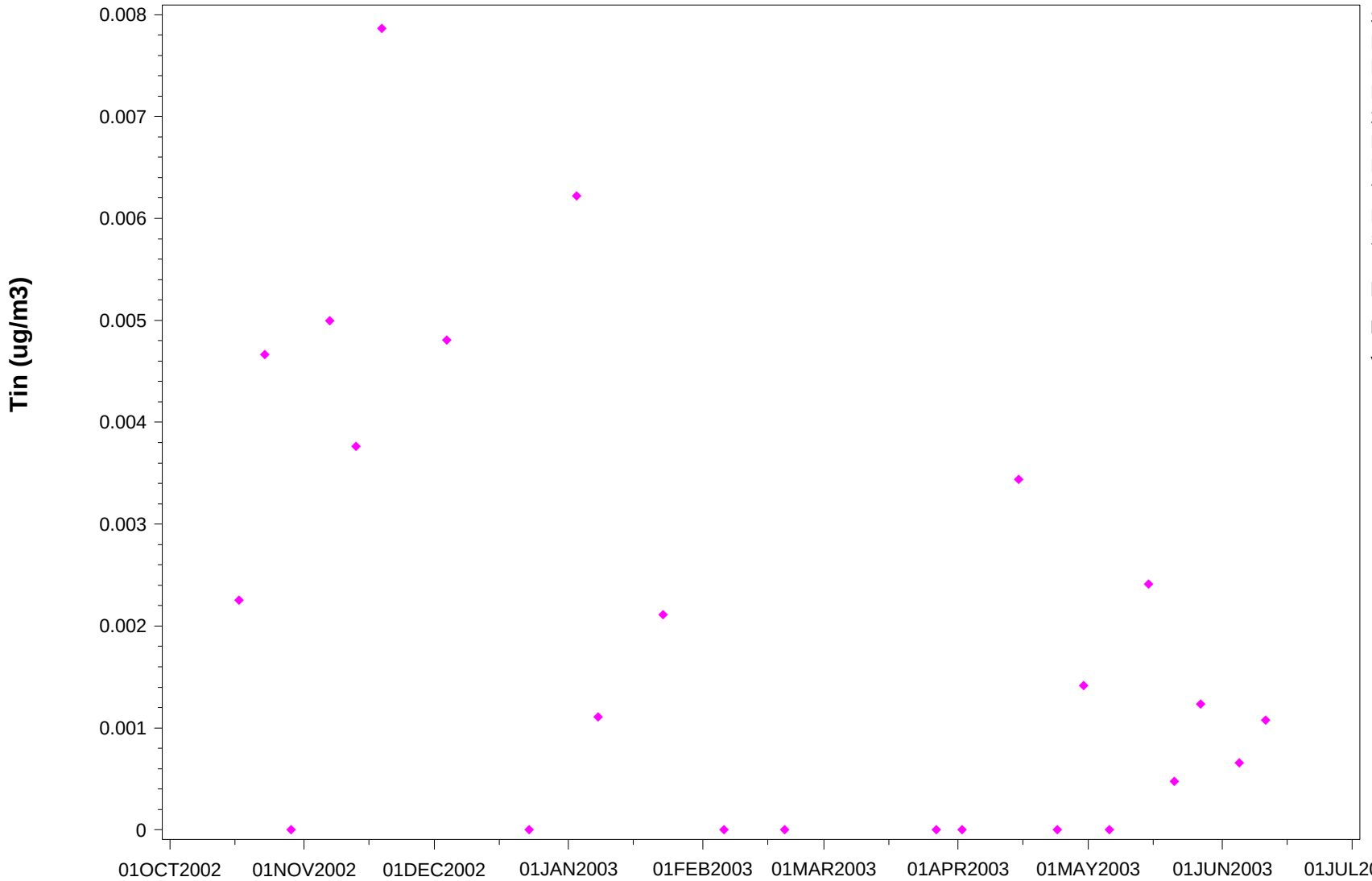
NARSTO Time Series Plot

15SEP2008

Site ID: **ES2LUSCA_USC** Variable name: **Tin** Units: **ug/m3** Sampling interval: **24 hour** CAS ID: **C7440-31-5** Observation type: **Particles**
Particle diameter--lower bound (UM): **2.50** Particle diameter--upper bound (UM): **10.00** Field sampling or measurement principle: **Impactor**
Medium: **Teflon** Inlet type: **Hat or hood** Laboratory analytical method: **XRF** Sample preparation: **Temperature and humidity equilibration**
Blank Correction: **Blank corrected** Volume standardization: **Ambient temperature and pressure** Sampling Height above ground (m): **2.13**
Instrument name and model number: **Partisol #2025-D** Measurement principal investigator: **Dr. Costas Sioutas**

Site Name:**SCPCS PIU trailer at USC-California, California** Latitude:**34.01917 deg.** Longitude:**-117.72278 deg.** Start Date:**2002-10-17** End Date:**2003-06-11**



Statistics

Number of obs: **24**
Number of missing: **0**
Minimum: **0**
25th Percentile: **0**
Median: **0.0011655**
Mean: **0.002**
75th Percentile: **0.0036025**
Maximum: **0.007863**
Stnd Dev.: **0.002**

NARSTO Flags

Flag Symbol Count

V4: ◆ **24**

Time Zone: PDT/PST/PDT

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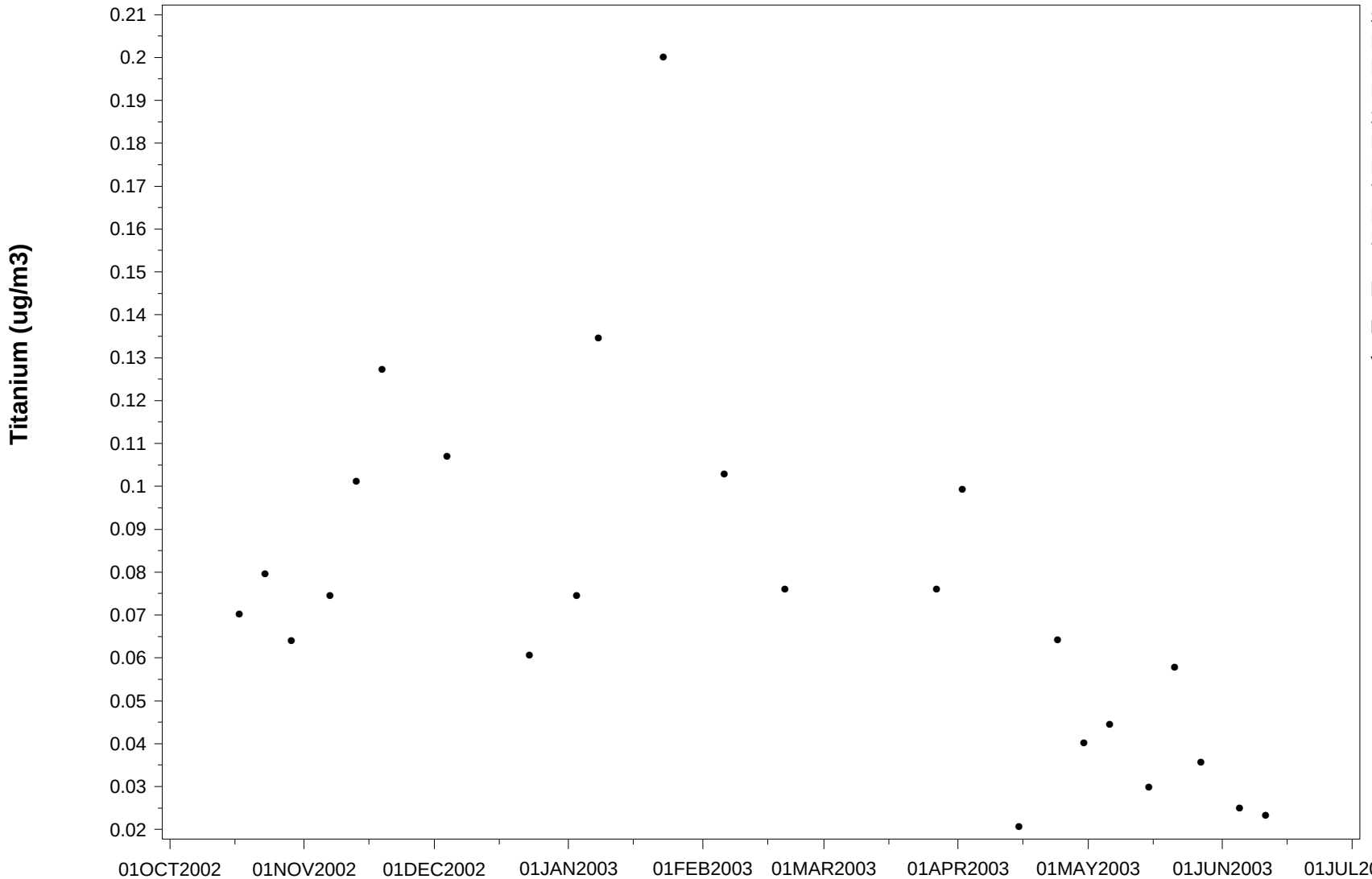
NARSTO Time Series Plot

15SEP2008

Site ID: **ES2LUSCA_USC** Variable name: **Titanium** Units: **ug/m3** Sampling interval: **24 hour** CAS ID: **C7440-32-6** Observation type: **Particles**
Particle diameter--lower bound (UM): **2.50** Particle diameter--upper bound (UM): **10.00** Field sampling or measurement principle: **Impactor**
Medium: **Teflon** Inlet type: **Hat or hood** Laboratory analytical method: **XRF** Sample preparation: **Temperature and humidity equilibration**
Blank Correction: **Blank corrected** Volume standardization: **Ambient temperature and pressure** Sampling Height above ground (m): **2.13**
Instrument name and model number: **Partisol #2025-D** Measurement principal investigator: **Dr. Costas Sioutas**

Site Name:**SCPCS PIU trailer at USC-California, California** Latitude:**34.01917 deg.** Longitude:**-117.72278 deg.** Start Date:**2002-10-17** End Date:**2003-06-11**



Statistics

Number of obs: **24**
Number of missing: **0**
Minimum: **0.020693**
25th Percentile: **0.0423075**
Median: **0.072351**
Mean: **0.075**
75th Percentile: **0.1001845**
Maximum: **0.200067**
Stnd Dev.: **0.042**

NARSTO Flags

Flag Symbol Count

V0: ● **24**

Time Zone: PDT/PST/PDT

File Name: NARSTO_EPA_SS_LA_USC_PARTISOL_ELEMENT_20021017-20030611.txt

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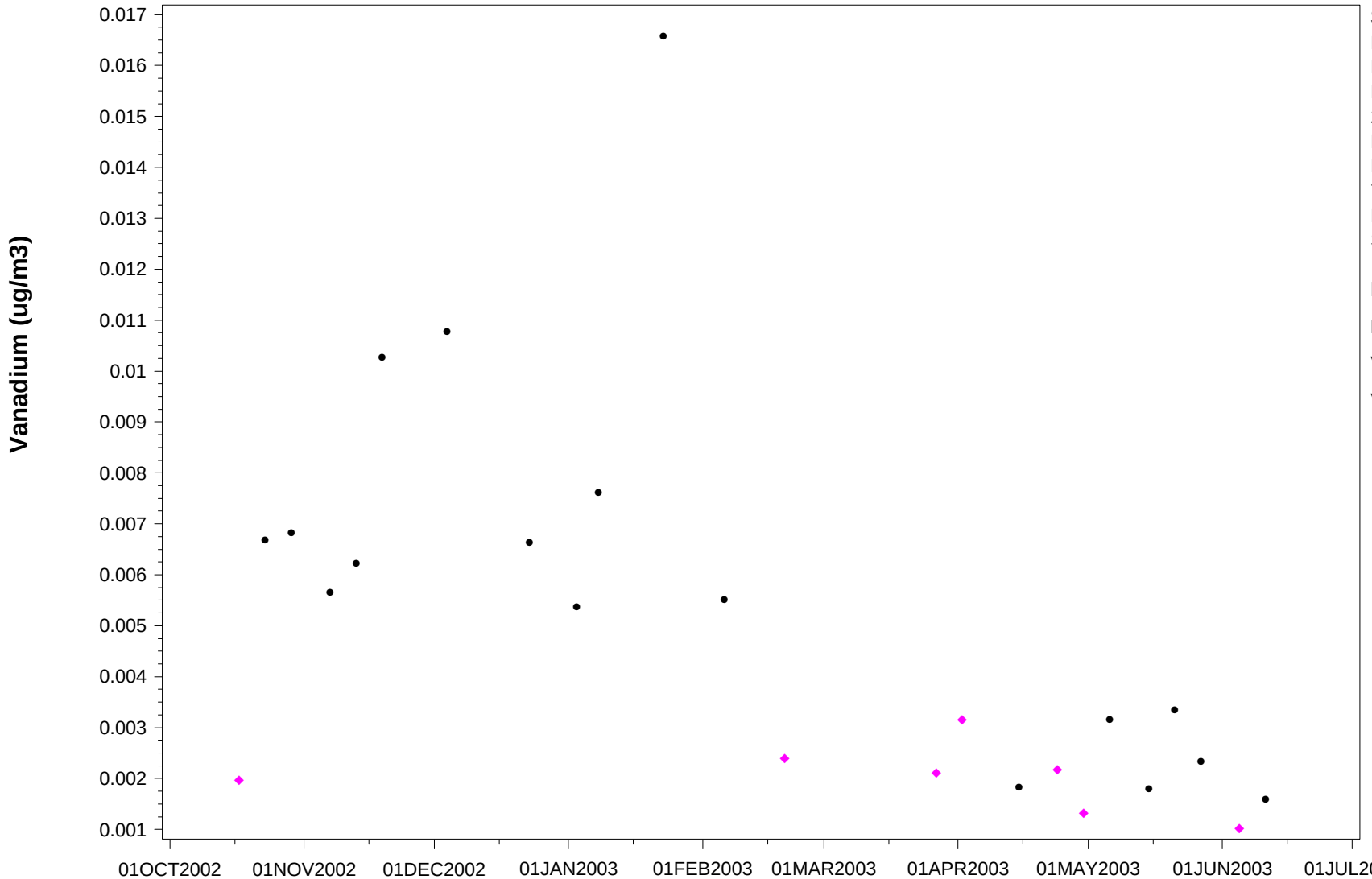
NARSTO Time Series Plot

15SEP2008

Site ID: **ES2LUSCA_USC** Variable name: **Vanadium** Units: **ug/m3** Sampling interval: **24 hour** CAS ID: **C7440-62-2** Observation type: **Particles**
Particle diameter--lower bound (UM): **2.50** Particle diameter--upper bound (UM): **10.00** Field sampling or measurement principle: **Impactor**
Medium: **Teflon** Inlet type: **Hat or hood** Laboratory analytical method: **XRF** Sample preparation: **Temperature and humidity equilibration**
Blank Correction: **Blank corrected** Volume standardization: **Ambient temperature and pressure** Sampling Height above ground (m): **2.13**
Instrument name and model number: **Partisol #2025-D** Measurement principal investigator: **Dr. Costas Sioutas**

Site Name:**SCPCS PIU trailer at USC-California, California** Latitude:**34.01917 deg.** Longitude:**-117.72278 deg.** Start Date:**2002-10-17** End Date:**2003-06-11**



Time Zone: PDT/PST/PDT

Statistics

Number of obs: **24**
Number of missing: **0**
Minimum: **0.001021**
25th Percentile: **0.002048**
Median: **0.0032505**
Mean: **0.005**
75th Percentile: **0.006663**
Maximum: **0.016579**
Stnd Dev.: **0.004**

NARSTO Flags

Flag	Symbol	Count
V0:	●	**17**
V4:	◆	**7**

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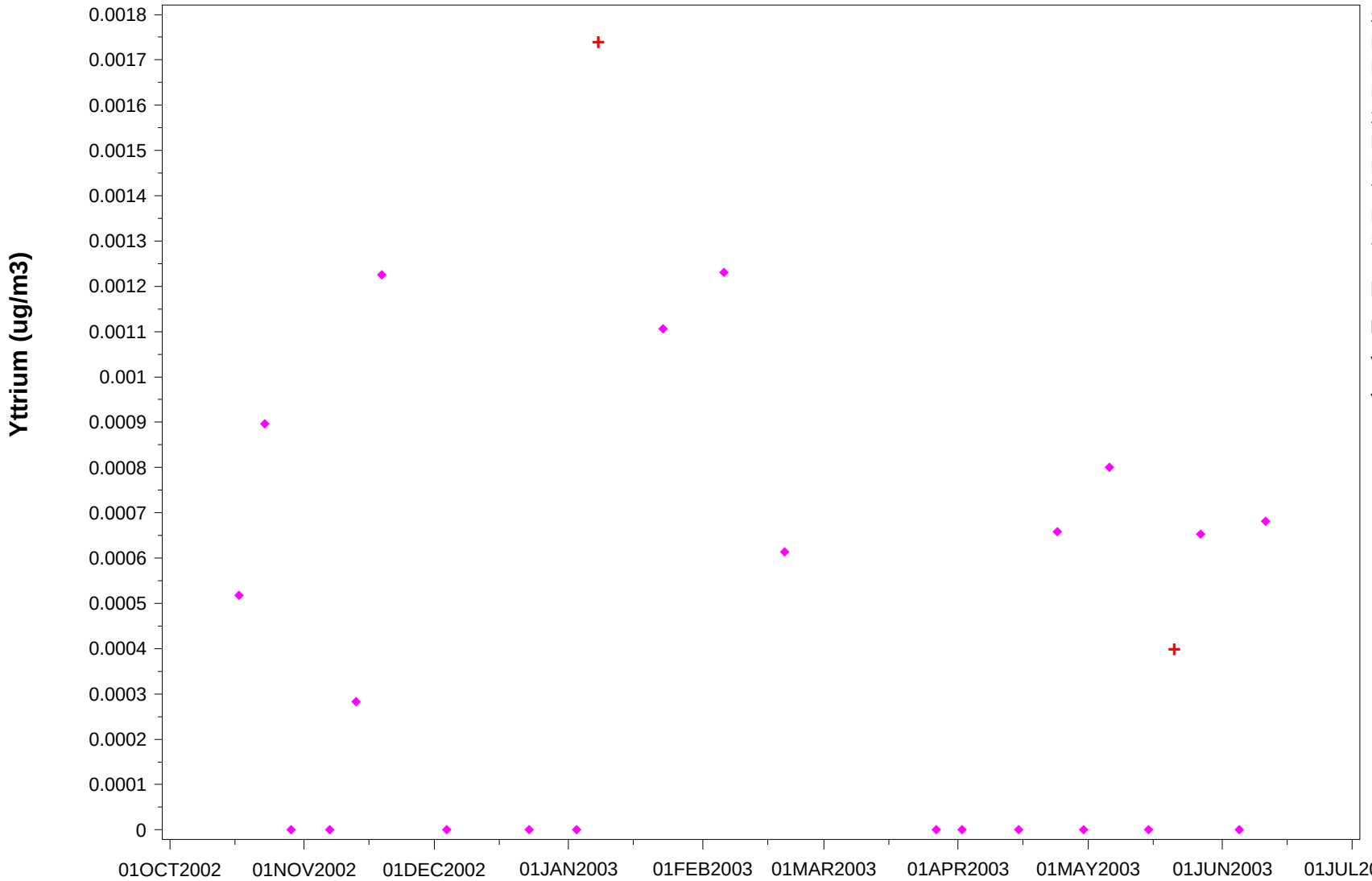
NARSTO Time Series Plot

15SEP2008

Site ID: **ES2LUSCA_USC** Variable name: **Yttrium** Units: **ug/m3** Sampling interval: **24 hour** CAS ID: **C7440-65-5** Observation type: **Particles**
Particle diameter--lower bound (UM): **2.50** Particle diameter--upper bound (UM): **10.00** Field sampling or measurement principle: **Impactor**
Medium: **Teflon** Inlet type: **Hat or hood** Laboratory analytical method: **XRF** Sample preparation: **Temperature and humidity equilibration**
Blank Correction: **Blank corrected** Volume standardization: **Ambient temperature and pressure** Sampling Height above ground (m): **2.13**
Instrument name and model number: **Partisol #2025-D** Measurement principal investigator: **Dr. Costas Sioutas**

Site Name:**SCPCS PIU trailer at USC-California, California** Latitude:**34.01917 deg.** Longitude:**-117.72278 deg.** Start Date:**2002-10-17** End Date:**2003-06-11**



Statistics

Number of obs: **24**
Number of missing: **0**
Minimum: **0**
25th Percentile: **0**
Median: **0.0003385**
Mean: **0.000**
75th Percentile: **0.0007405**
Maximum: **0.001735**
Stnd Dev.: **0.001**

NARSTO Flags

Flag	Symbol	Count
V1:	+	**2**
V4:	◆	**22**

Time Zone: PDT/PST/PDT

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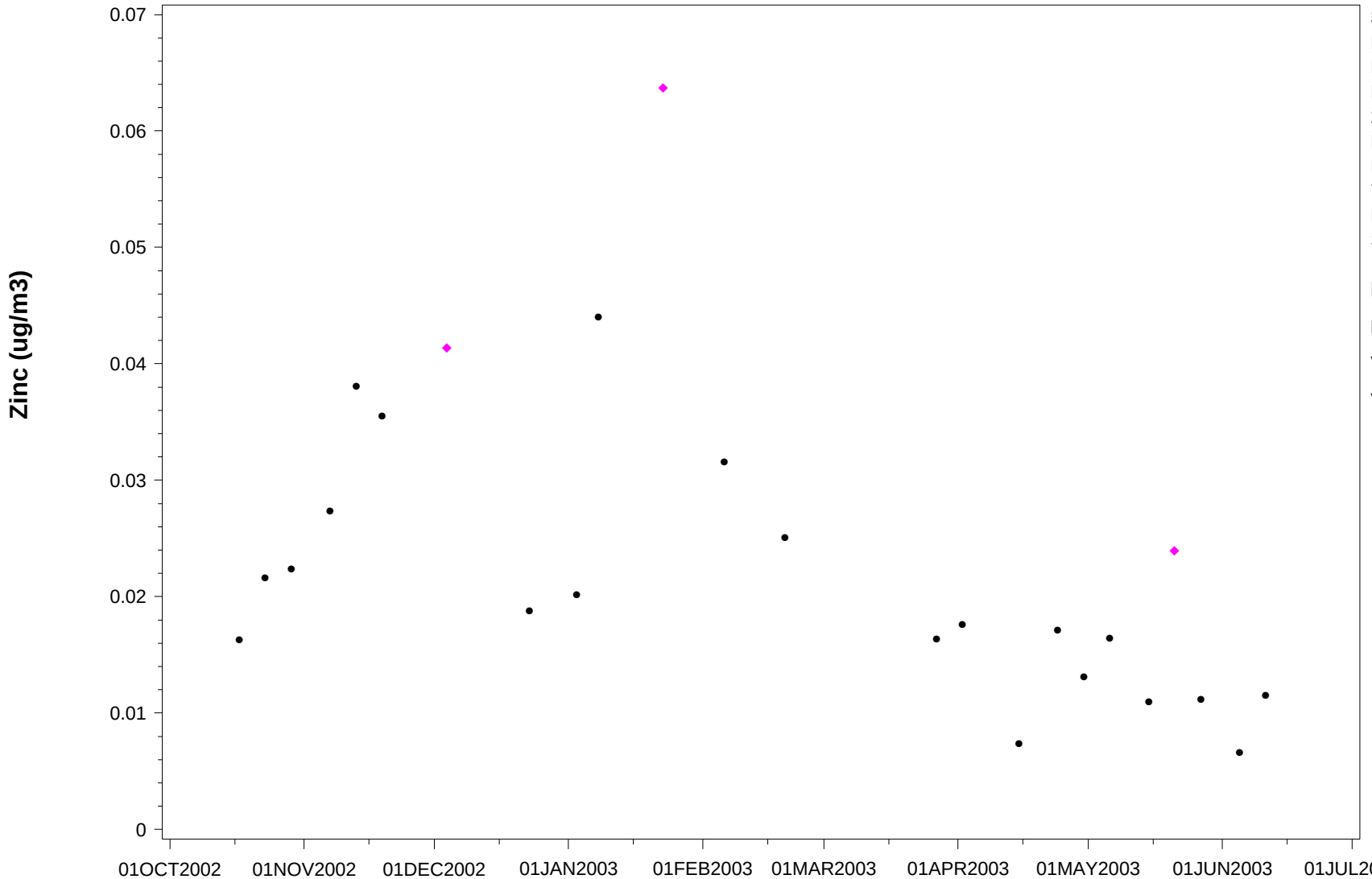
NARSTO Time Series Plot

15SEP2008

Site ID: **ES2LUSCA_USC** Variable name: **Zinc** Units: **ug/m3** Sampling interval: **24 hour** CAS ID: **C7440-66-6** Observation type: **Particles**
Particle diameter--lower bound (UM): **2.50** Particle diameter--upper bound (UM): **10.00** Field sampling or measurement principle: **Impactor**
Medium: **Teflon** Inlet type: **Hat or hood** Laboratory analytical method: **XRF** Sample preparation: **Temperature and humidity equilibration**
Blank Correction: **Blank corrected** Volume standardization: **Ambient temperature and pressure** Sampling Height above ground (m): **2.13**
Instrument name and model number: **Partisol #2025-D** Measurement principal investigator: **Dr. Costas Sioutas**

Site Name:**SCPCS PIU trailer at USC-California, California** Latitude:**34.01917 deg.** Longitude:**-117.72278 deg.** Start Date:**2002-10-17** End Date:**2003-06-11**



Statistics

Number of obs: **24**
Number of missing: **0**
Minimum: **0.006592**
25th Percentile: **0.014691**
Median: **0.01947**
Mean: **0.023**
75th Percentile: **0.0294995**
Maximum: **0.0637**
Stnd Dev.: **0.013**

NARSTO Flags

Flag	Symbol	Count
V0:	●	**21**
V4:	◆	**3**

Time Zone: PDT/PST/PDT

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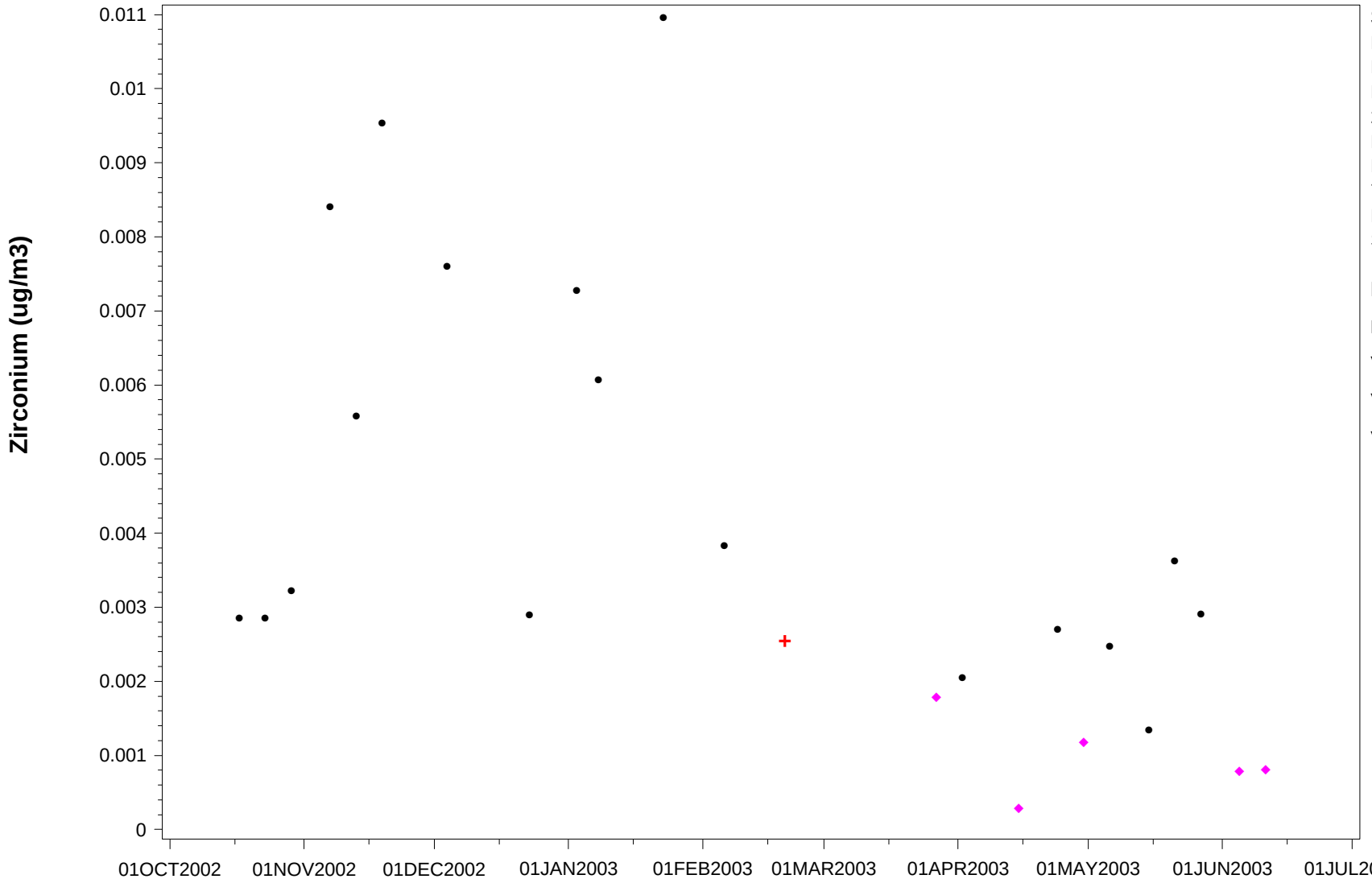
NARSTO Time Series Plot

15SEP2008

Site ID: **ES2LUSCA_USC** Variable name: **Zirconium** Units: **ug/m3** Sampling interval: **24 hour** CAS ID: **C7440-67-7** Observation type: **Particles**
Particle diameter--lower bound (UM): **2.50** Particle diameter--upper bound (UM): **10.00** Field sampling or measurement principle: **Impactor**
Medium: **Teflon** Inlet type: **Hat or hood** Laboratory analytical method: **XRF** Sample preparation: **Temperature and humidity equilibration**
Blank Correction: **Blank corrected** Volume standardization: **Ambient temperature and pressure** Sampling Height above ground (m): **2.13**
Instrument name and model number: **Partisol #2025-D** Measurement principal investigator: **Dr. Costas Sioutas**

Site Name:**SCPCS PIU trailer at USC-California, California** Latitude:**34.01917 deg.** Longitude:**-117.72278 deg.** Start Date:**2002-10-17** End Date:**2003-06-11**



Statistics

Number of obs: **24**
Number of missing: **0**
Minimum: **0.000283**
25th Percentile: **0.0019185**
Median: **0.002872**
Mean: **0.004**
75th Percentile: **0.0058235**
Maximum: **0.010957**
Stnd Dev.: **0.003**

NARSTO Flags

Flag	Symbol	Count
V0:	●	**18**
V1:	+	**1**
V4:	◆	**5**

Time Zone: PDT/PST/PDT

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