

File Names

09:53 Monday, March 21, 2005 1

File #	Original File Name
1	PAC2001_GEPP_WRL_GAS_INORG_IONS_20010806D06_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	Sampling Frequency Of Data in Main Table	Quality Control Level	Organization Acronym	Organization Name	Data Usage Acknowledgement	Study Or Network Acronym	Study Or Network Name
NARSTO 2002/05/28 (2.301)	Leaitch ; Richard	Air Quality Research Branch, Meteorological Service of Canada	INORGANIC_IONS ; Inorganic Ions	Variable interval	Variable frequency	1	ENVCAN	Environment Canada	Meteorological Service of Canada, Environment Canada, 4905 Dufferin St., Toronto, Ont. Canada M3H 5T4	PAC2001	Pacific 2001

Country Code	State Or Province Code	Principal Investigator Contact Information	Co-investigator Name--last first	Co-investigator Affiliation	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	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	Table Explanation Of Reported Uncertainty
CA (CANADA)	BC	Richard Leaitch, 4905 Dufferin St., Toronto ON, CANADA, M3H 5T4 Richard.Leaitch@ec.gc.ca	None ; None	Air Quality Research Branch, Meteorological Service of Canada	Greg Skelton, SKELTON TECHNICAL SERVICES INC	2004/02/27	MS Excel/ 2000	None ; 0	2004/10/28 ; 1	None	None	None

Table User Note	Table User Note2	Table User Note3	Table User Note4	Table Name	Table Focus
None	None			INORGANIC_IONS	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	Measurement start date	Measurement end date	Co-incident measurements	Study site ID	Lat lon accuracy
PC01CABCGEPP	Golden Ears Park	BC	49.26667	-122.58190	4.0	100.0	Forest	Rural	2001/08/08	2001/08/11			.

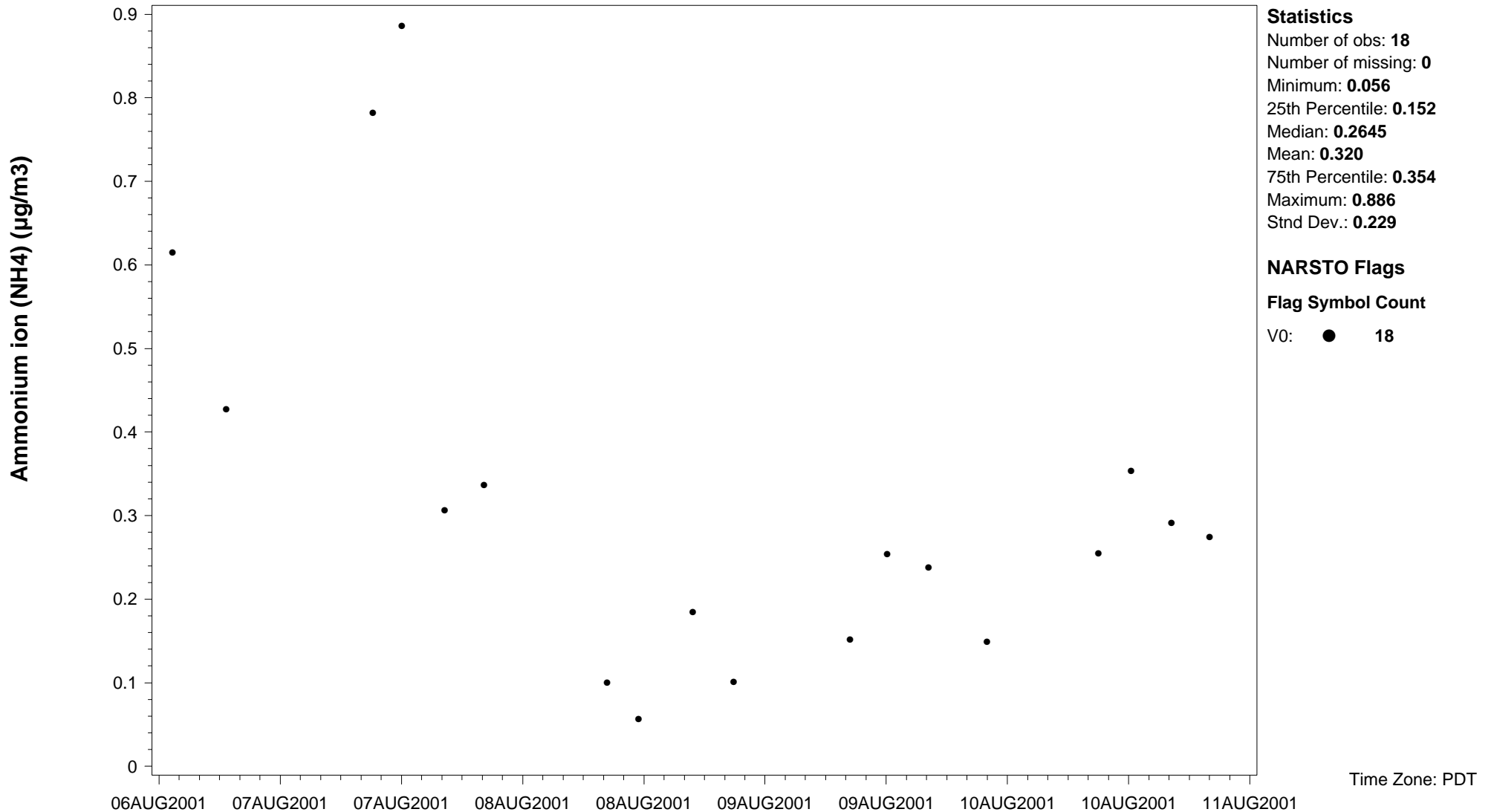
NARSTO Standard Flags

Flag: NARSTO	Description
H1	Historical data that have not been assessed or validated
	Historical data that have not been assessed or validated
M1	Missing value because no value is available
	Missing value because no value is available
M2	Missing value because invalidated by data originator
	Missing value because invalidated by data originator
V0	Valid value
	Valid value
V1	Valid value but comprised wholly or partially of below detection limit data
	Valid value but comprised wholly or partially of below detection limit data
V2	Valid estimated value
	Valid estimated value
V3	Valid interpolated value
	Valid interpolated value
V4	Valid value despite failing to meet some QC or statistical criteria
	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)
	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)
	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
	Valid value but set equal to the detection limit (DL) because the measured value was below the DL

NAtChem Time Series Plot

21MAR2005

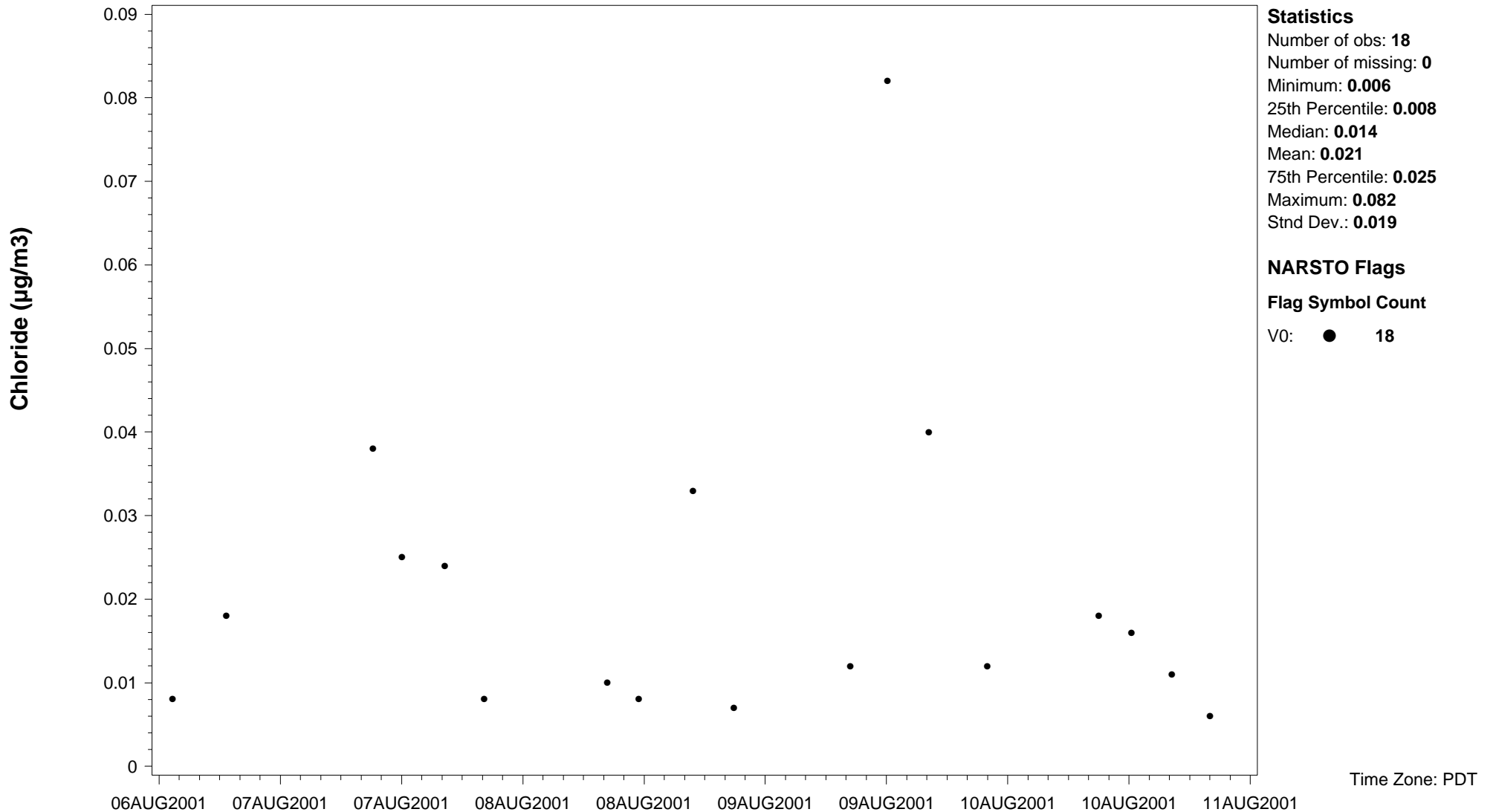
Site ID: **PC01CABCGEPP** Variable name: **Ammonium ion (NH4)** Common Name: **NH4+** Units: **µg/m3** Sampling interval: **Variable interval**
 Sampling frequency: **Variable frequency** CAS ID: **C14798-03-9** Observation type: **Gas** Field sampling or measurement principle: **Single filter**
 Medium: **Teflon** Inlet type: **None--open-face filter** Laboratory analytical method: **IC** Sample preparation: **Water extraction**
 Blank Correction: **Blank corrected** Volume standardization: **Ambient temperature and pressure** Sampling Height above ground (m): **4**
 Instrument name and model number: **Low volume filter sampler** Measurement principal investigator: **Richard Leitch** Detection Limit: **Not available**
 Site Name: **Golden Ears Park, British Columbia** Latitude: **49.26667 deg.** Longitude: **-122.5819 deg.** Start Date: **2001-08-08** End Date: **2001-08-11**



NAtChem Time Series Plot

21MAR2005

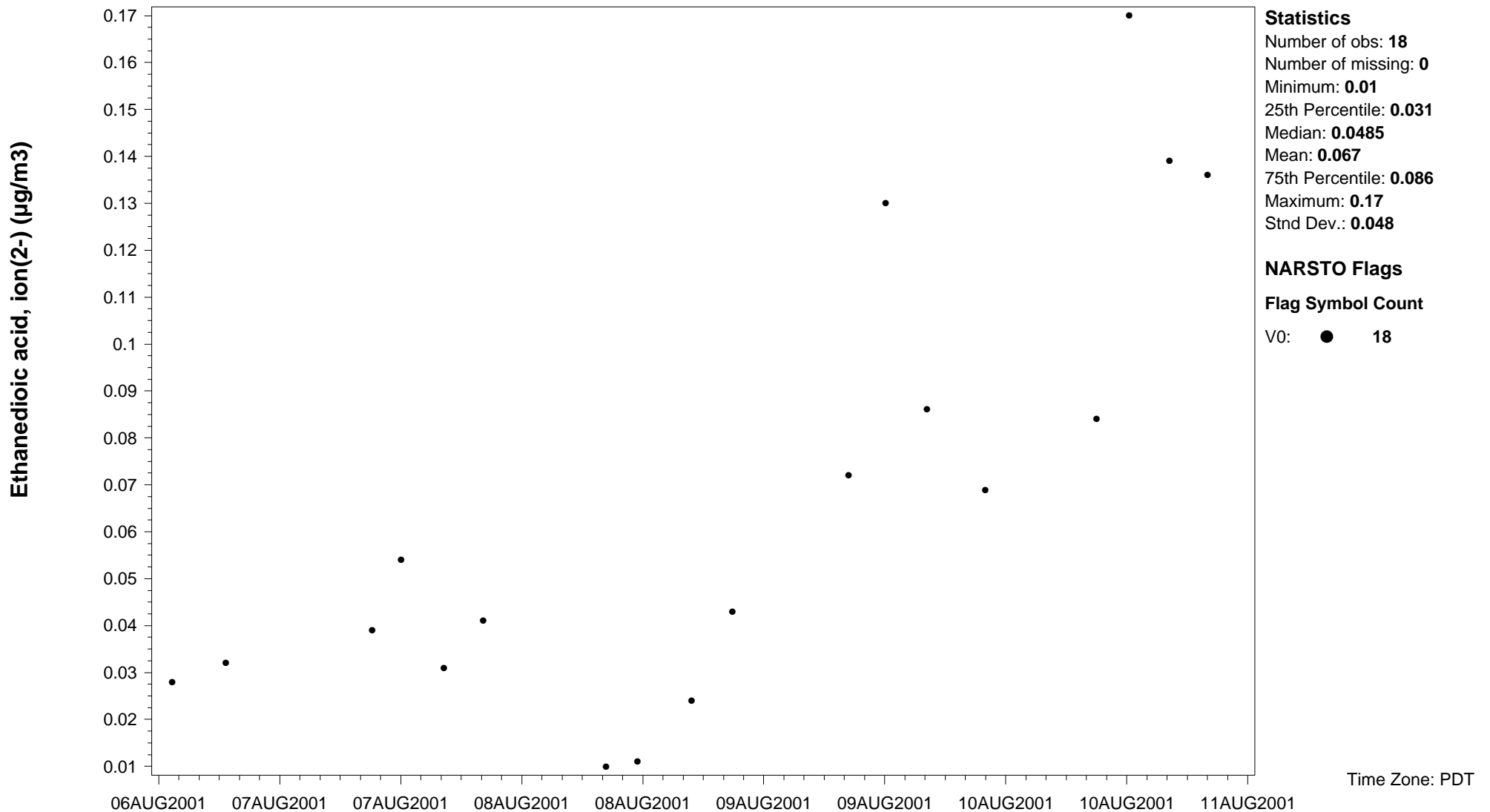
Site ID: **PC01CABCGEPP** Variable name: **Chloride** Units: **µg/m3** Sampling interval: **Variable interval** Sampling frequency: **Variable frequency**
 CAS ID: **C16887-00-6** Observation type: **Gas** Field sampling or measurement principle: **Single filter** Medium: **Teflon** Inlet type: **None--open-face filter**
 Laboratory analytical method: **IC** Sample preparation: **Water extraction** Blank Correction: **Blank corrected**
 Volume standardization: **Ambient temperature and pressure** Sampling Height above ground (m): **4**
 Instrument name and model number: **Low volume filter sampler** Measurement principal investigator: **Richard Leitch** Detection Limit: **Not available**
 Site Name: **Golden Ears Park, British Columbia** Latitude: **49.26667 deg.** Longitude: **-122.5819 deg.** Start Date: **2001-08-08** End Date: **2001-08-11**



NAtChem Time Series Plot

21MAR2005

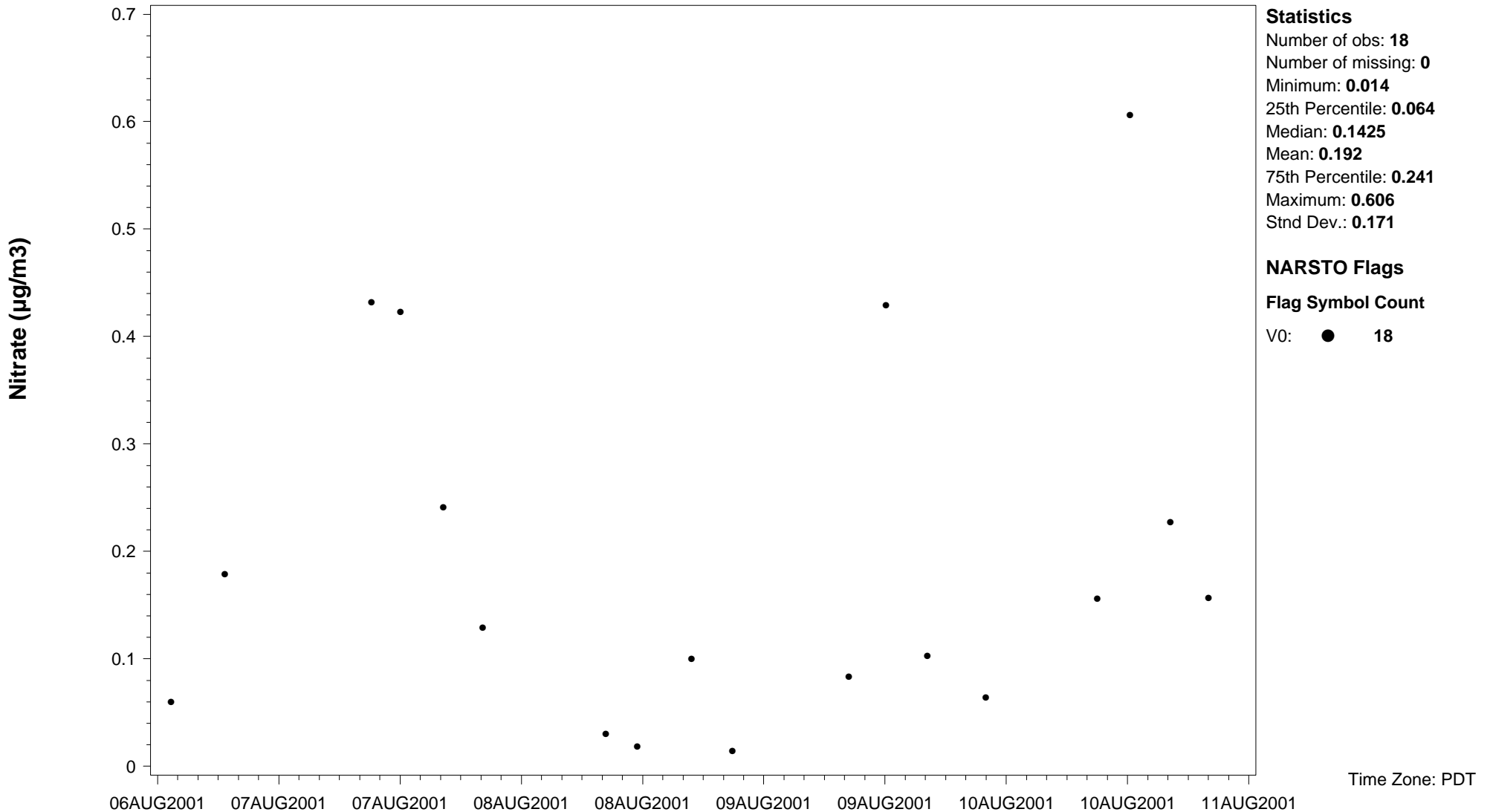
Site ID: **PC01CABCGEPP** Variable name: **Ethanedioic acid, ion(2-)** Common Name: **Oxalic acid, ion** Units: **µg/m3** Sampling interval: **Variable interval**
 Sampling frequency: **Variable frequency** CAS ID: **C338-70-5** Observation type: **Gas** Field sampling or measurement principle: **Single filter** Medium: **Teflon**
 Inlet type: **None--open-face filter** Laboratory analytical method: **IC** Sample preparation: **Water extraction** Blank Correction: **Blank corrected**
 Volume standardization: **Ambient temperature and pressure** Sampling Height above ground (m): **4**
 Instrument name and model number: **Low volume filter sampler** Measurement principal investigator: **Richard Leitch** Detection Limit: **Not available**
 Site Name: **Golden Ears Park, British Columbia** Latitude: **49.26667 deg.** Longitude: **-122.5819 deg.** Start Date: **2001-08-08** End Date: **2001-08-11**



NAtChem Time Series Plot

21MAR2005

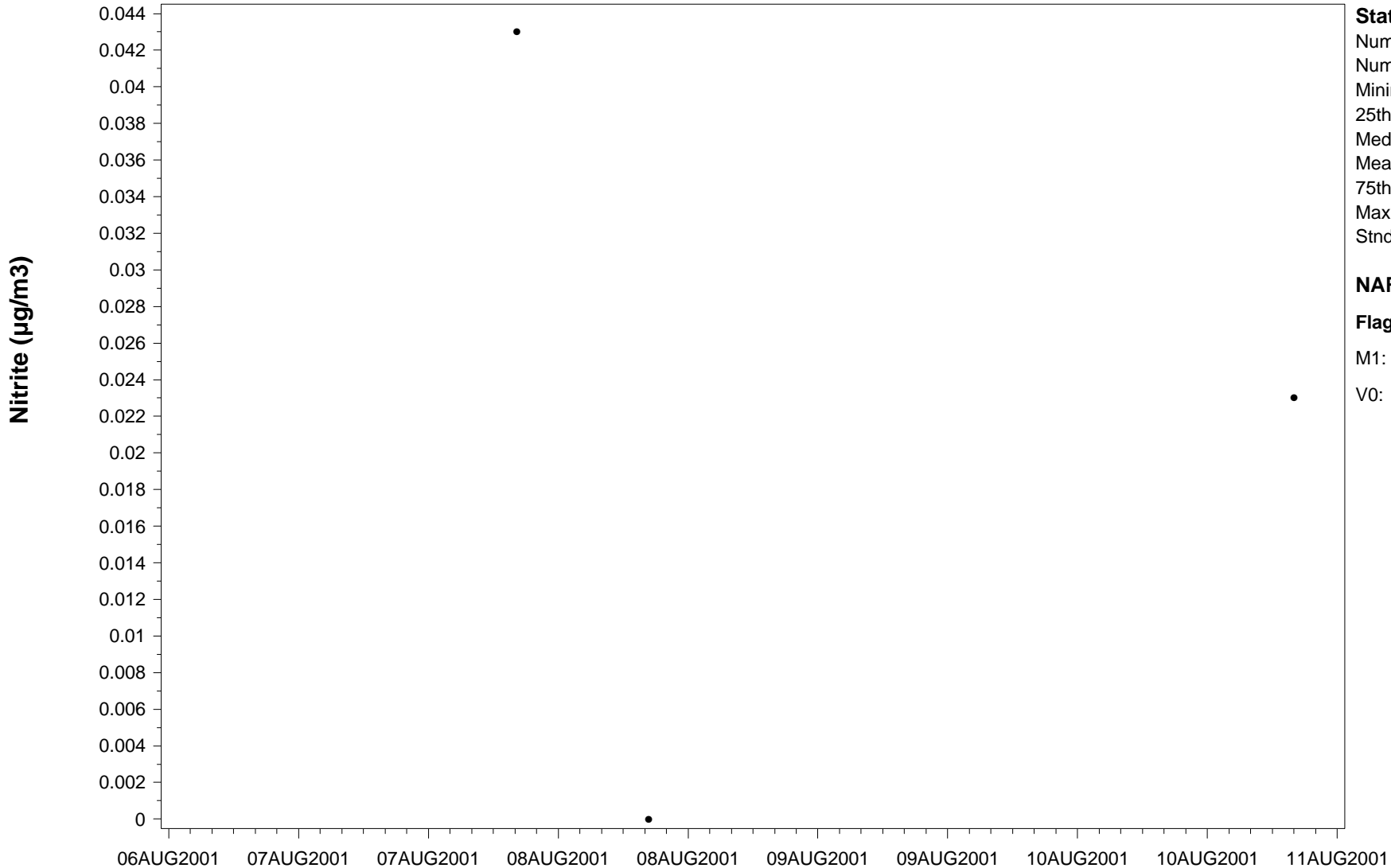
Site ID: **PC01CABCGEPP** Variable name: **Nitrate** Units: **µg/m3** Sampling interval: **Variable interval** Sampling frequency: **Variable frequency**
 CAS ID: **C14797-55-8** Observation type: **Gas** Field sampling or measurement principle: **Single filter** Medium: **Teflon** Inlet type: **None--open-face filter**
 Laboratory analytical method: **IC** Sample preparation: **Water extraction** Blank Correction: **Blank corrected**
 Volume standardization: **Ambient temperature and pressure** Sampling Height above ground (m): **4**
 Instrument name and model number: **Low volume filter sampler** Measurement principal investigator: **Richard Leitch** Detection Limit: **Not available**
 Site Name: **Golden Ears Park, British Columbia** Latitude: **49.26667 deg.** Longitude: **-122.5819 deg.** Start Date: **2001-08-08** End Date: **2001-08-11**



NAtChem Time Series Plot

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Site ID: **PC01CABCGEPP** Variable name: **Nitrite** Units: **µg/m3** Sampling interval: **Variable interval** Sampling frequency: **Variable frequency**
 CAS ID: **C14797-65-0** Observation type: **Gas** Field sampling or measurement principle: **Single filter** Medium: **Teflon** Inlet type: **None--open-face filter**
 Laboratory analytical method: **IC** Sample preparation: **Water extraction** Blank Correction: **Blank corrected**
 Volume standardization: **Ambient temperature and pressure** Sampling Height above ground (m): **4**
 Instrument name and model number: **Low volume filter sampler** Measurement principal investigator: **Richard Leitch** Detection Limit: **Not available**
 Site Name: **Golden Ears Park, British Columbia** Latitude: **49.26667 deg.** Longitude: **-122.5819 deg.** Start Date: **2001-08-08** End Date: **2001-08-11**



Statistics
 Number of obs: **18**
 Number of missing: **15**
 Minimum: **0**
 25th Percentile: **0**
 Median: **0.023**
 Mean: **0.022**
 75th Percentile: **0.043**
 Maximum: **0.043**
 Std Dev.: **0.022**

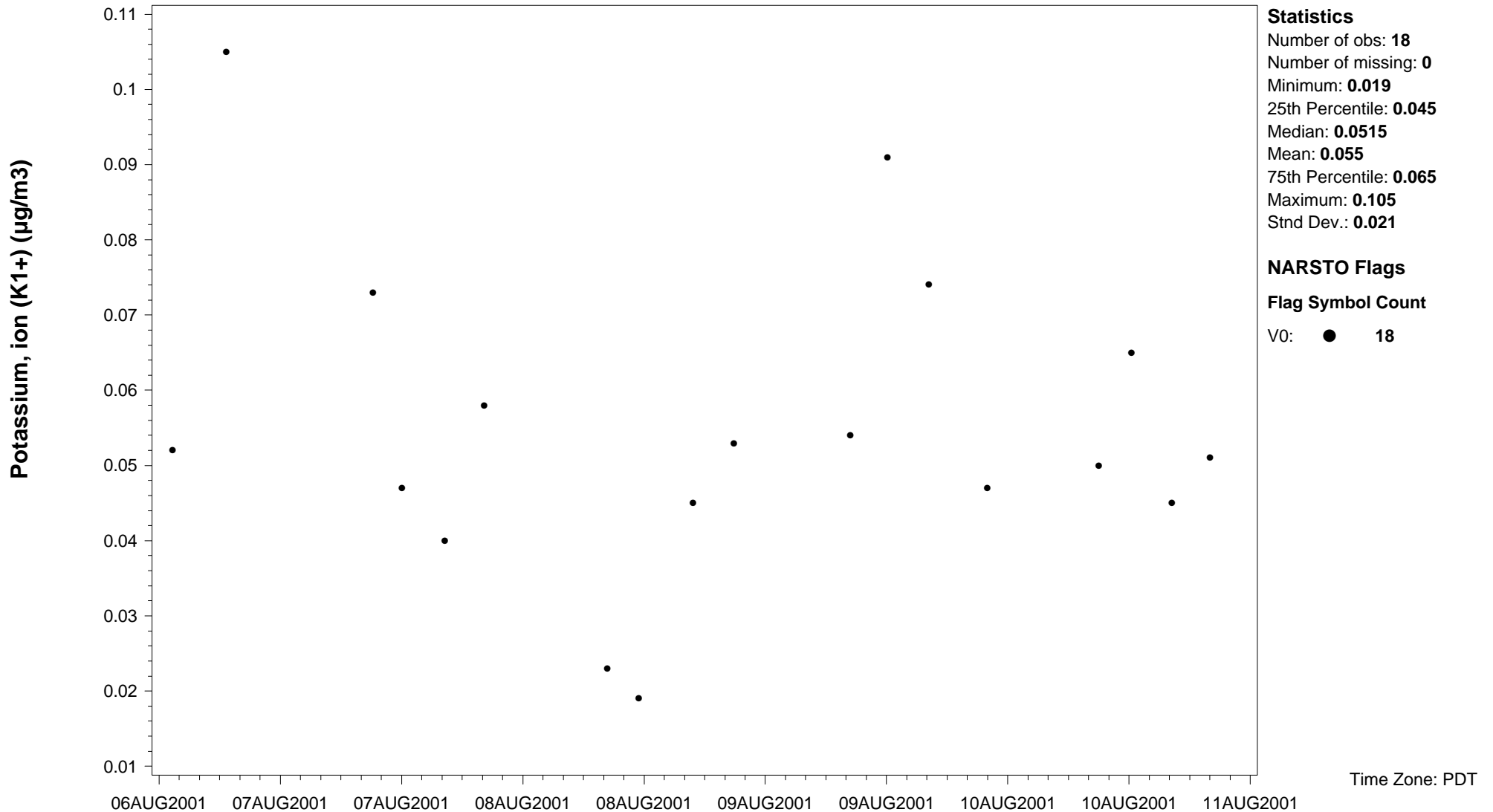
NARSTO Flags
Flag Symbol Count
 M1: **15**
 V0: **3**

Time Zone: PDT

NAtChem Time Series Plot

21MAR2005

Site ID: **PC01CABCGEPP** Variable name: **Potassium, ion (K1+)** Common Name: **K+** Units: **µg/m3** Sampling interval: **Variable interval**
 Sampling frequency: **Variable frequency** CAS ID: **C24203-36-9** Observation type: **Gas** Field sampling or measurement principle: **Single filter**
 Medium: **Teflon** Inlet type: **None--open-face filter** Laboratory analytical method: **IC** Sample preparation: **Water extraction**
 Blank Correction: **Blank corrected** Volume standardization: **Ambient temperature and pressure** Sampling Height above ground (m): **4**
 Instrument name and model number: **Low volume filter sampler** Measurement principal investigator: **Richard Leitch** Detection Limit: **Not available**
 Site Name: **Golden Ears Park, British Columbia** Latitude: **49.26667 deg.** Longitude: **-122.5819 deg.** Start Date: **2001-08-08** End Date: **2001-08-11**

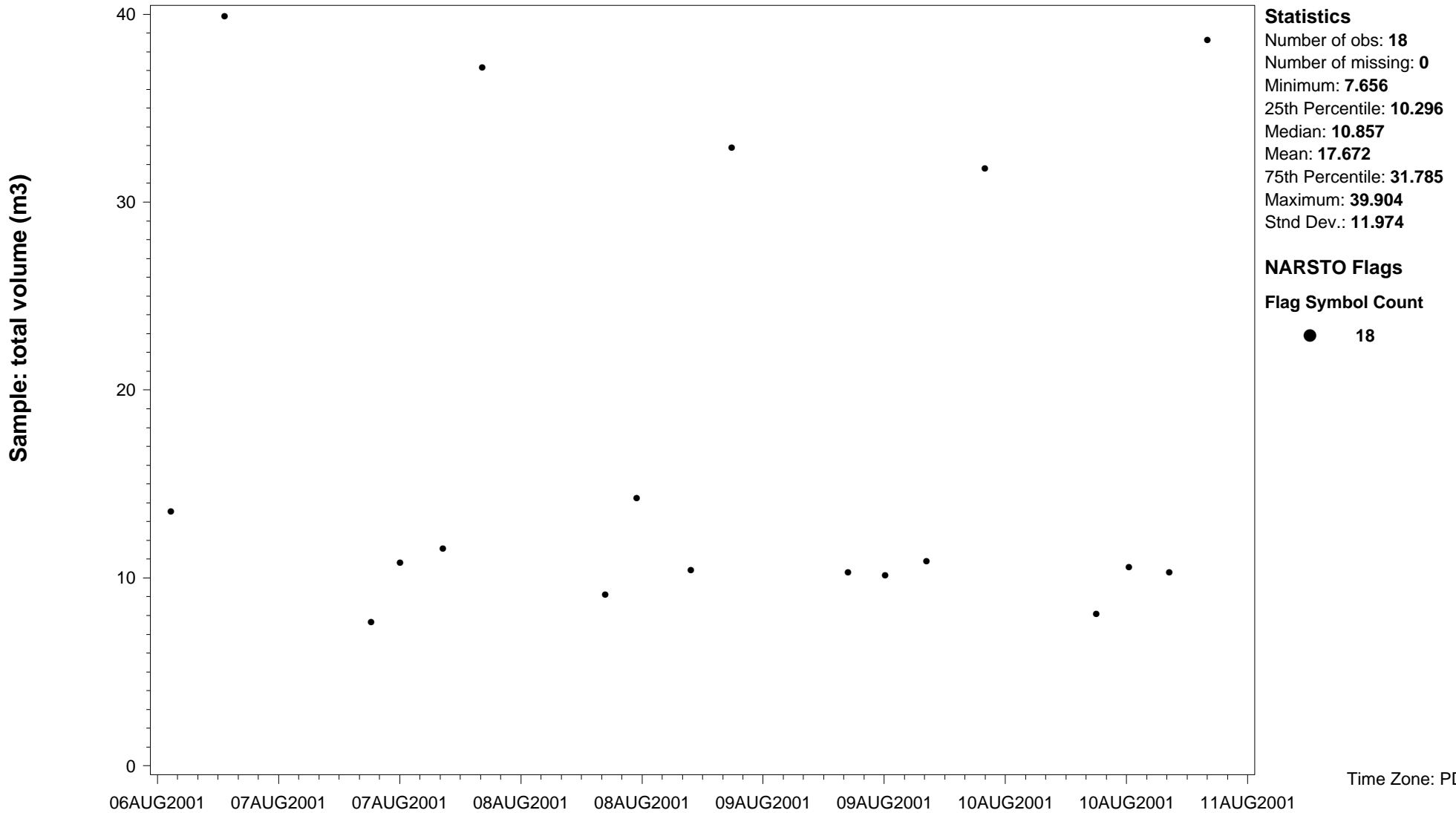


NAtChem Time Series Plot

21MAR2005

Site ID: **PC01CABCGEPP** Variable name: **Sample: total volume** Units: **m3** Sampling interval: **Variable interval** Sampling frequency: **Variable frequency**
 Observation type: **Supplementary data** Field sampling or measurement principle: **Not available**
 Volume standardization: **Ambient temperature and pressure** Instrument name and model number: **Low volume filter sampler**
 Measurement principal investigator: **Richard Leitch**

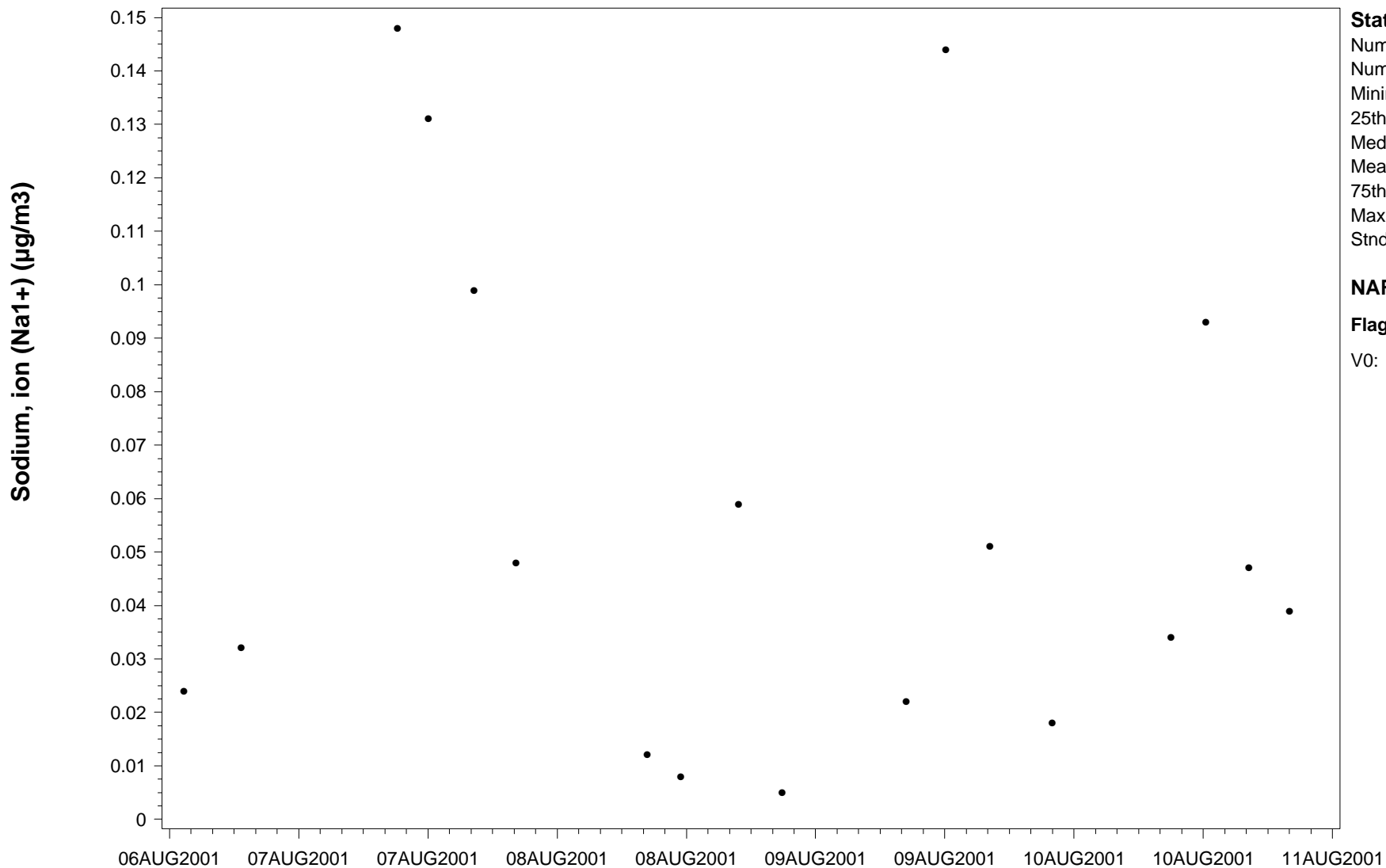
Site Name: **Golden Ears Park, British Columbia** Latitude: **49.26667 deg.** Longitude: **-122.5819 deg.** Start Date: **2001-08-08** End Date: **2001-08-11**



NAtChem Time Series Plot

21MAR2005

Site ID: **PC01CABCGEPP** Variable name: **Sodium, ion (Na1+)** Common Name: **Na+** Units: **µg/m3** Sampling interval: **Variable interval**
 Sampling frequency: **Variable frequency** CAS ID: **C17341-25-2** Observation type: **Gas** Field sampling or measurement principle: **Single filter**
 Medium: **Teflon** Inlet type: **None--open-face filter** Laboratory analytical method: **IC** Sample preparation: **Water extraction**
 Blank Correction: **Blank corrected** Volume standardization: **Ambient temperature and pressure** Sampling Height above ground (m): **4**
 Instrument name and model number: **Low volume filter sampler** Measurement principal investigator: **Richard Leitch** Detection Limit: **Not available**
 Site Name: **Golden Ears Park, British Columbia** Latitude: **49.26667 deg.** Longitude: **-122.5819 deg.** Start Date: **2001-08-08** End Date: **2001-08-11**



Statistics

Number of obs: **18**
 Number of missing: **0**
 Minimum: **0.005**
 25th Percentile: **0.022**
 Median: **0.043**
 Mean: **0.056**
 75th Percentile: **0.093**
 Maximum: **0.148**
 Stnd Dev.: **0.047**

NARSTO Flags

Flag Symbol Count

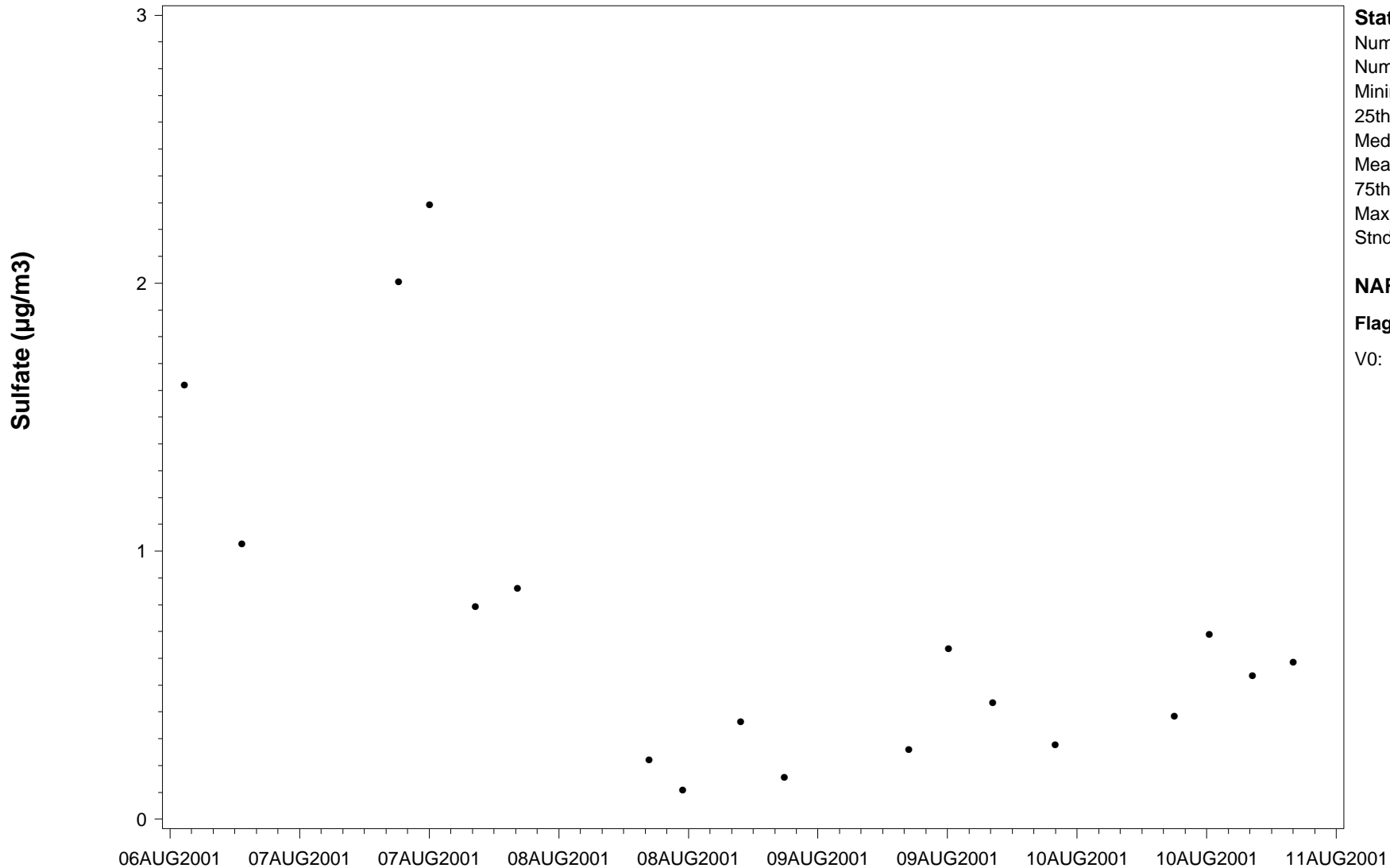
V0: ● 18

Time Zone: PDT

NAtChem Time Series Plot

21MAR2005

Site ID: **PC01CABCGEPP** Variable name: **Sulfate** Common Name: **Sulphate** Units: **µg/m3** Sampling interval: **Variable interval**
 Sampling frequency: **Variable frequency** CAS ID: **C14808-79-8** Observation type: **Gas** Field sampling or measurement principle: **Single filter**
 Medium: **Teflon** Inlet type: **None--open-face filter** Laboratory analytical method: **IC** Sample preparation: **Water extraction**
 Blank Correction: **Blank corrected** Volume standardization: **Ambient temperature and pressure** Sampling Height above ground (m): **4**
 Instrument name and model number: **Low volume filter sampler** Measurement principal investigator: **Richard Leitch** Detection Limit: **Not available**
 Site Name: **Golden Ears Park, British Columbia** Latitude: **49.26667 deg.** Longitude: **-122.5819 deg.** Start Date: **2001-08-08** End Date: **2001-08-11**



Statistics
 Number of obs: **18**
 Number of missing: **0**
 Minimum: **0.107**
 25th Percentile: **0.279**
 Median: **0.5615**
 Mean: **0.736**
 75th Percentile: **0.86**
 Maximum: **2.293**
 Stnd Dev.: **0.631**

NARSTO Flags
Flag Symbol Count
 V0: ● 18

Time Zone: PDT