File #	Original File Name
1	PAC2001_SAT_AIR-FILTER_DAILY_47MM-FP_20010101D365_V1.csv

	Principal Investigator Namelast		File Contents Descriptionshort	
Data Exchange Standard Version	first	Principal Investigator Affiliation	long	Sampling Interval As Reported in Main Table
NARSTO 2001/10/31 (2.213)	MacTavish ; Dave	Meteorological Service of Canada,	AIR-FILTER_MEAS ; Daily filter	24 hour
		Environment Canada	pack sampling	

Sampling Frequency Of Data in Main Table	Quality Control Level	Organization Acronym	Organization Name	Data Usage Acknowledgement	Study Or Network Acronym
Every day	1	ENVCAN	Environment	Meteorological Service of Canada,	Canadian Air and
					Precipitation Monitoring
					Network
				5T4; Canada	

				Co-investigator Namelast	
Study Or Network Name	Country Code	State Or Province Code	Principal Investigator Contact Information	first	Co-investigator Affiliation
CAPMoN	CA (CANADA)		Dave MacTavish; MSC Environment Canada; 4905 Dufferin St.; Toronto, Ont, M3H 5T4;Canada; 416-739-4450		

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
Greg Skelton, SKELTON TECHNICAL SERVICES INC	2003/09/23	MS Excel 2000

Companion File Name	Date This File Generated		
format And Version	archive Version Number	Table Explanation Of Zero Or Negative Values	Table Explanation Of Reported Detection Limit Values
None ; 0	2004/01/13 ; 1	this file	The detection limit is a 'method detection limit' calculated quarterly, equal to 3 standard deviations of the 13 dynamic field blank mass loadings collected during the calendar quarter and divided by the daily flow rate. The daily concentrations reported in the data set have been blank-corrected by subtracting the average loading of the 13 dynamic field blanks from the daily concentrations divided by the daily concentrations of the 13 dynamic field daily concentrations that fell below the 3 standard deviations of the nominal blank
			concentrations are reported as below detection limit.

Table Explanation Of Reported Uncertainty	Table User Note	Table User Note2	Table User Note3	Table User Note4	Table Name	Table Focus
					AIR-FILTER_MEAS	Surfacefixed

Site Information

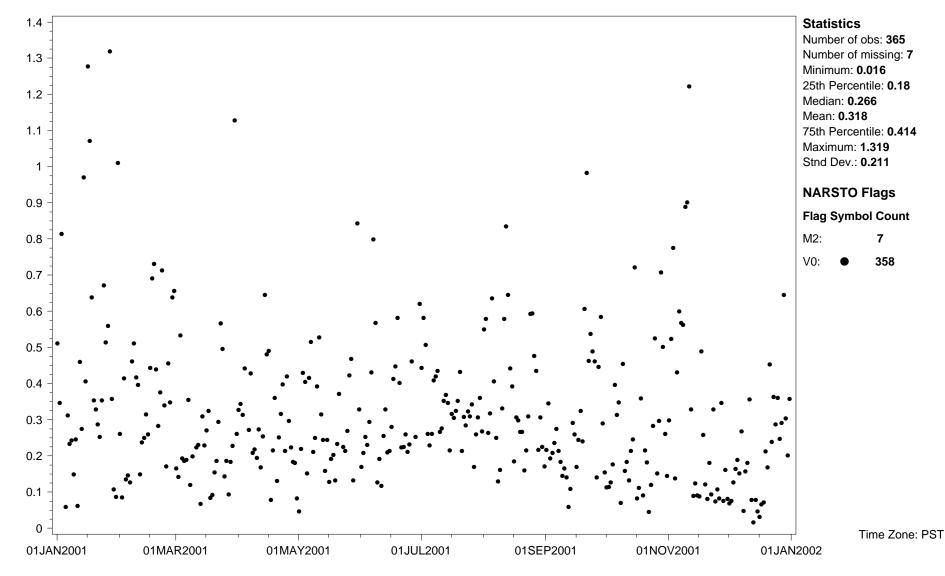
Site ID	Name	State Province code	Latitude: decimal degree	Longitude: decimal degree		Ground elevation above sea level (m)	Site land use
CAPMCABC1SAT			48.7833	5	0 ()	()	Forest

				Co-incident		Lat
Site ID	Site location setting	Measurement start date	Measurement end date	measurements	Study site ID	Ion accuracy
CAPMCABC1SAT	Rural	2001/06/01	9999/12/31			

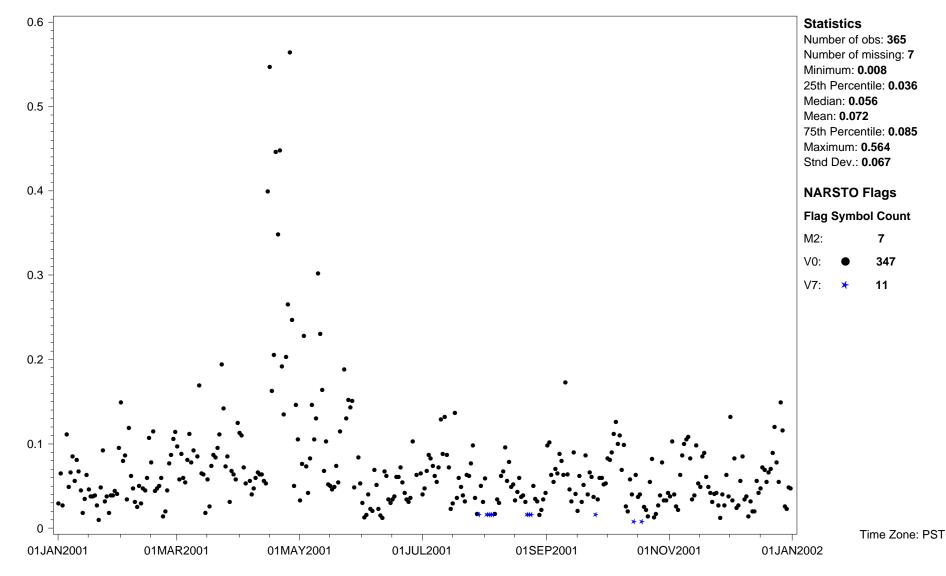
NARSTO Standard Flags

Flag: NARSTO	Description
M1	Missing value because no value is available
M2	Missing value because invalidated by data originator
V0	Valid value
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

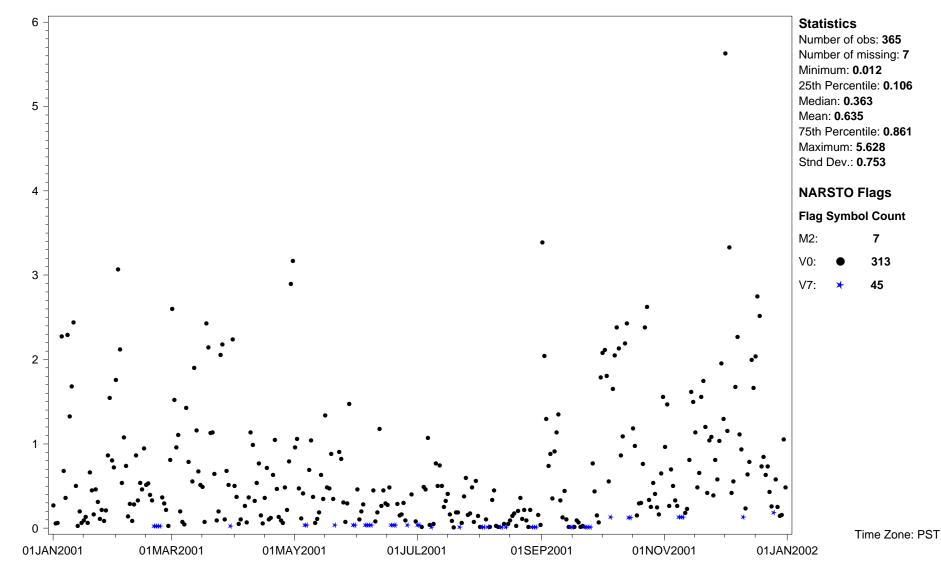
Site ID: CAPMCABC1SAT Variable name: Ammonium ion (NH4) Common Name: NH4+ Units: ug/m3 Sampling interval: 24 hour Sampling frequency: Every day CAS ID: C14798-03-9 Observation type: Particles Particle diameter--lower bound (UM): 0 Particle diameter--upper bound (UM): Undetermined Field sampling or measurement principle: Filter pack--multiple filters Medium: Teflon Inlet type: None--open-face filter Laboratory analytical method: IC Sample preparation: Water extraction Blank Correction: Blank corrected Volume standardization: 0 deg. C; 1 atmosphere Sampling Height above ground (m): 10 Instrument name and model number: MSC Sequential Filter Pack Measurement principal investigator: Dave MacTavish Detection Limit: Varies--see Detection lim



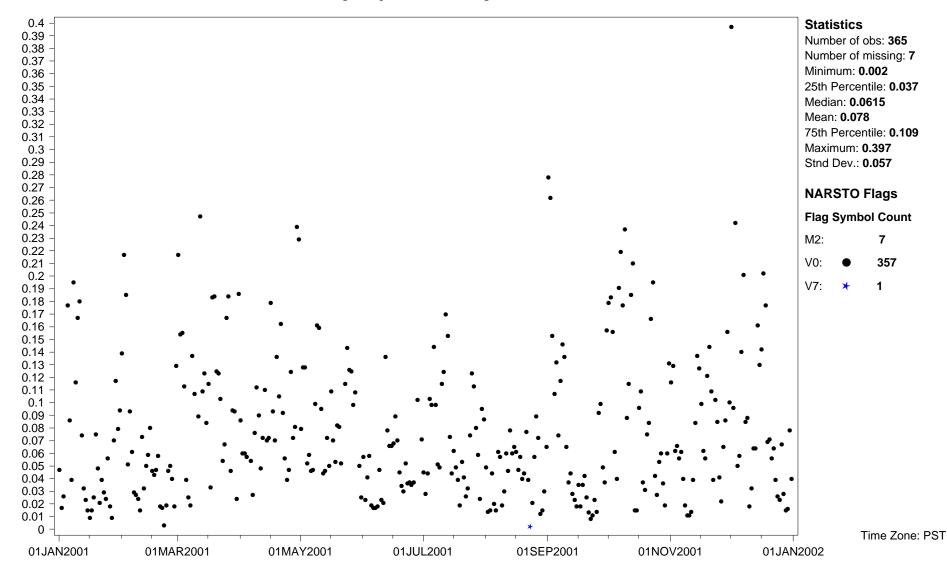
Site ID: CAPMCABC1SAT Variable name: Calcium, ion (Ca2+) Common Name: Ca++ Units: ug/m3 Sampling interval: 24 hour Sampling frequency: Every day CAS ID: C14127-61-8 Observation type: Particles Particle diameter--lower bound (UM): 0 Particle diameter--upper bound (UM): Undetermined Field sampling or measurement principle: Filter pack--multiple filters Medium: Teflon Inlet type: None--open-face filter Laboratory analytical method: AAS Sample preparation: Water extraction Blank Correction: Blank corrected Volume standardization: 0 deg. C; 1 atmosphere Sampling Height above ground (m): 10 Instrument name and model number: MSC Sequential Filter Pack Measurement principal investigator: Dave MacTavish Detection Limit: Varies--see Detection lim



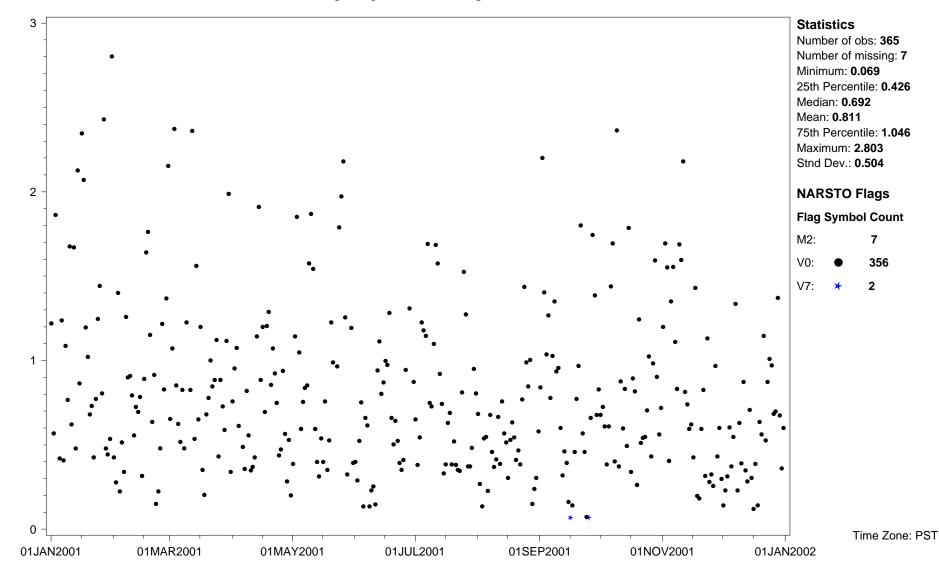
Site ID: CAPMCABC1SAT Variable name: Chloride Units: ug/m3 Sampling interval: 24 hour Sampling frequency: Every day CAS ID: C16887-00-6 Observation type: Particles Particle diameter--lower bound (UM): 0 Particle diameter--upper bound (UM): Undetermined Field sampling or measurement principle: Filter pack--multiple filters Medium: Teflon Inlet type: None--open-face filter Laboratory analytical method: IC Sample preparation: Water extraction Blank Correction: Blank corrected Volume standardization: 0 deg. C; 1 atmosphere Sampling Height above ground (m): 10 Instrument name and model number: MSC Sequential Filter Pack Measurement principal investigator: Dave MacTavish Detection Limit: Varies--see Detection lim



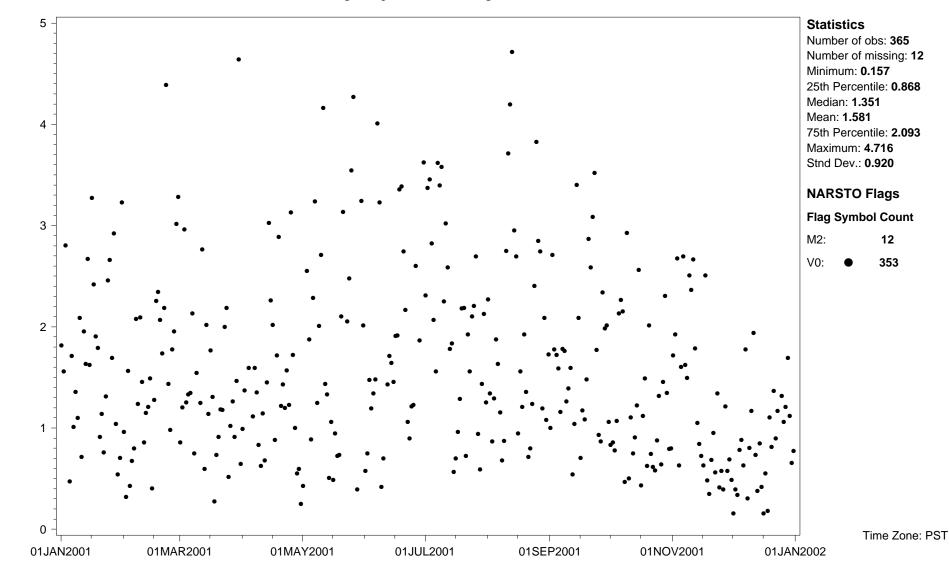
Site ID: CAPMCABC1SAT Variable name: Magnesium, ion (Mg2+) Common Name: Mg++ Units: ug/m3 Sampling interval: 24 hour Sampling frequency: Every day CAS ID: C22537-22-0 Observation type: Particles Particle diameter--lower bound (UM): 0 Particle diameter--upper bound (UM): Undetermined Field sampling or measurement principle: Filter pack--multiple filters Medium: Teflon Inlet type: None--open-face filter Laboratory analytical method: AAS Sample preparation: Water extraction Blank Correction: Blank corrected Volume standardization: 0 deg. C; 1 atmosphere Sampling Height above ground (m): 10 Instrument name and model number: MSC Sequential Filter Pack Measurement principal investigator: Dave MacTavish Detection Limit: Varies--see Detection lim



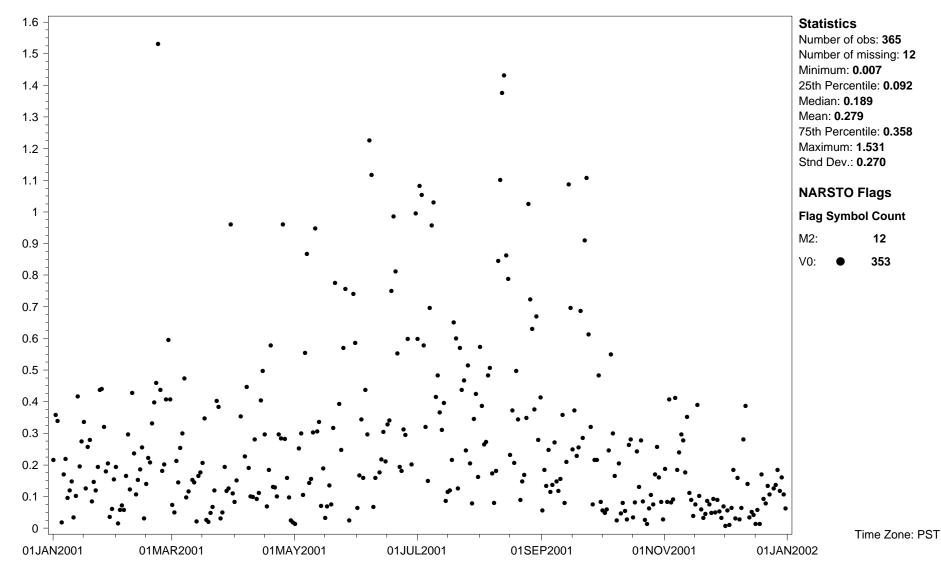
Site ID: CAPMCABC1SAT Variable name: Nitrate Units: ug/m3 Sampling interval: 24 hour Sampling frequency: Every day CAS ID: C14797-55-8 Observation type: Particles Particle diameter--lower bound (UM): 0 Particle diameter--upper bound (UM): Undetermined Field sampling or measurement principle: Filter pack--multiple filters Medium: Teflon Inlet type: None--open-face filter Laboratory analytical method: IC Sample preparation: Water extraction Blank Correction: Blank corrected Volume standardization: 0 deg. C; 1 atmosphere Sampling Height above ground (m): 10 Instrument name and model number: MSC Sequential Filter Pack Measurement principal investigator: Dave MacTavish Detection Limit: Varies--see Detection lim



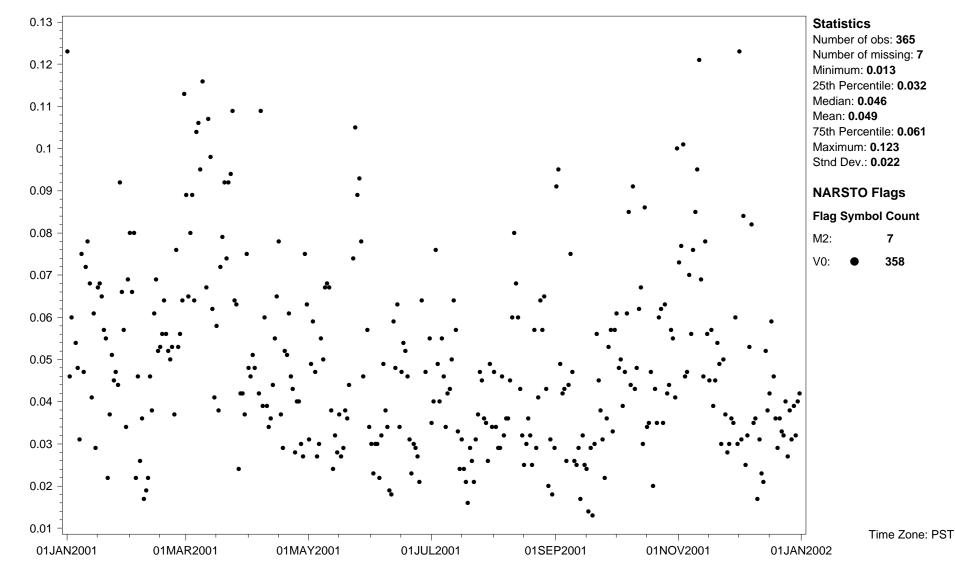
Site ID: CAPMCABC1SAT Variable name: Nitrate: total Units: ug/m3 Sampling interval: 24 hour Sampling frequency: Every day Observation type: Particles+gas Particle diameter--lower bound (UM): 0 Particle diameter--upper bound (UM): Undetermined Field sampling or measurement principle: Filter pack--multiple filters Medium: Teflon+nylon Inlet type: None--open-face filter Laboratory analytical method: IC Sample preparation: Water+base extraction Blank Correction: Blank corrected Volume standardization: 0 deg. C; 1 atmosphere Sampling Height above ground (m): 10 Instrument name and model number: MSC Sequential Filter Pack Measurement principal investigator: Dave MacTavish Detection Limit: Varies--see Detection lim



Site ID: CAPMCABC1SAT Variable name: Nitric acid Units: ppbv Sampling interval: 24 hour Sampling frequency: Every day CAS ID: C7697-37-2 Observation type: Gas Particle diameter--lower bound (UM): 0 Particle diameter--upper bound (UM): Undetermined Field sampling or measurement principle: Filter pack--multiple filters Medium: Nylon Inlet type: None--open-face filter Laboratory analytical method: IC Sample preparation: Base extraction Blank Correction: Blank corrected Volume standardization: 0 deg. C; 1 atmosphere Sampling Height above ground (m): 10 Instrument name and model number: MSC Sequential Filter Pack Measurement principal investigator: Dave MacTavish Detection Limit: Varies--see Detection lim



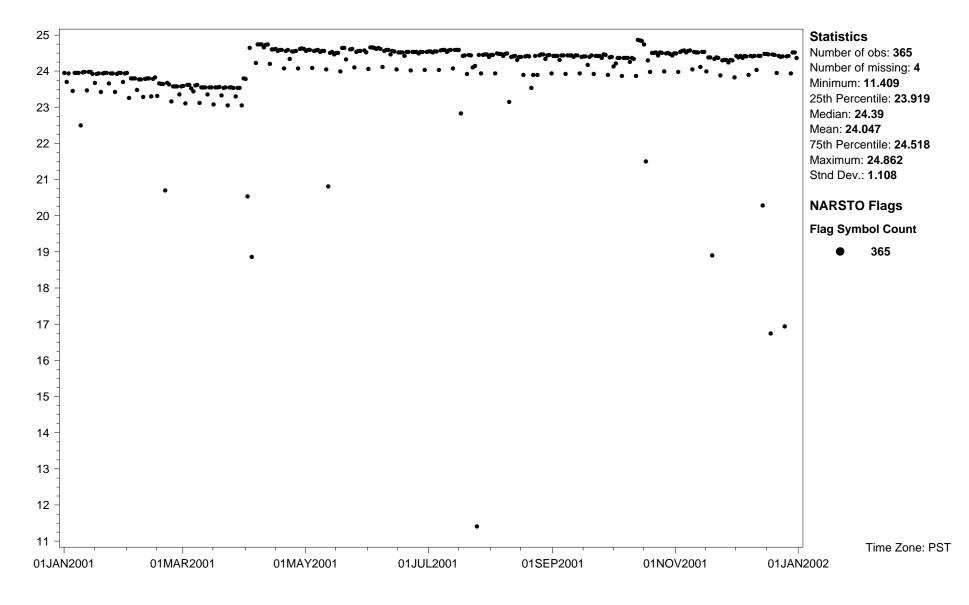
Site ID: CAPMCABC1SAT Variable name: Potassium, ion (K1+) Common Name: K+ Units: ug/m3 Sampling interval: 24 hour Sampling frequency: Every day CAS ID: C24203-36-9 Observation type: Particles Particle diameter--lower bound (UM): 0 Particle diameter--upper bound (UM): Undetermined Field sampling or measurement principle: Filter pack--multiple filters Medium: Teflon Inlet type: None--open-face filter Laboratory analytical method: IC Sample preparation: Water extraction Blank Correction: Blank corrected Volume standardization: 0 deg. C; 1 atmosphere Sampling Height above ground (m): 10 Instrument name and model number: MSC Sequential Filter Pack Measurement principal investigator: Dave MacTavish Detection Limit: Varies--see Detection lim



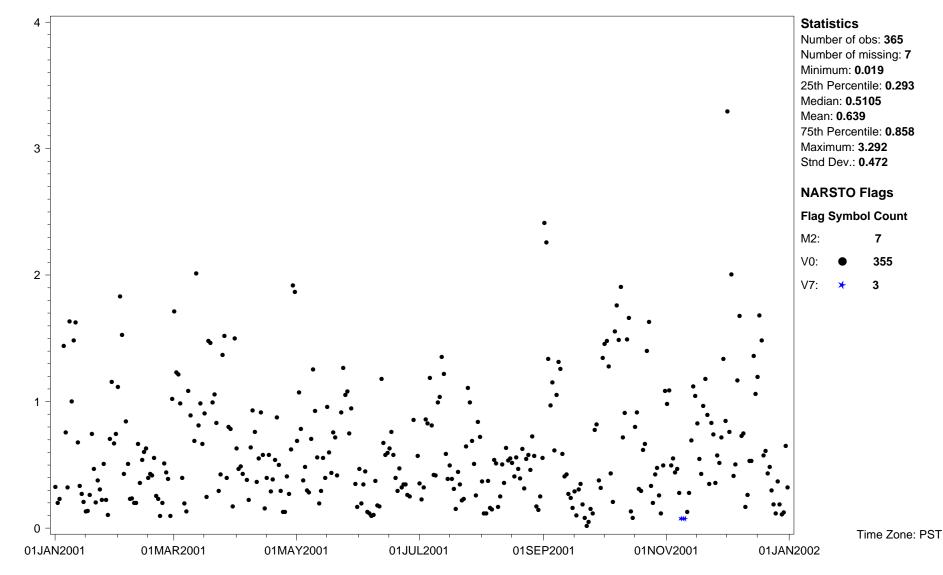
Site ID: CAPMCABC1SAT Variable name: Sample: total volume Units: m3 Sampling interval: 24 hour Sampling frequency: Every day Observation type: Supplementary data Field sampling or measurement principle: Mass flow controller

Volume standardization: 0 deg. C; 1 atmosphere Sampling Height above ground (m): 10

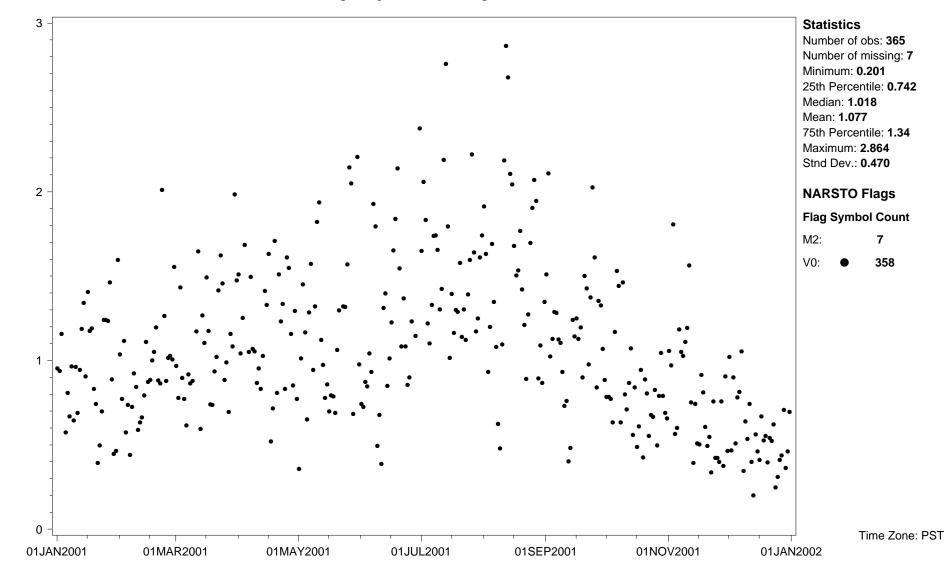
Instrument name and model number: Hastings Mass Flow Controller Model HFC 203 Measurement principal investigator: Dave MacTavish



Site ID: CAPMCABC1SAT Variable name: Sodium, ion (Na1+) Common Name: Na+ Units: ug/m3 Sampling interval: 24 hour Sampling frequency: Every day CAS ID: C17341-25-2 Observation type: Particles Particle diameter--lower bound (UM): 0 Particle diameter--upper bound (UM): Undetermined Field sampling or measurement principle: Filter pack--multiple filters Medium: Teflon Inlet type: None--open-face filter Laboratory analytical method: IC Sample preparation: Water extraction Blank Correction: Blank corrected Volume standardization: 0 deg. C; 1 atmosphere Sampling Height above ground (m): 10 Instrument name and model number: MSC Sequential Filter Pack Measurement principal investigator: Dave MacTavish Detection Limit: Varies--see Detection lim



Site ID: CAPMCABC1SAT Variable name: Sulfate Units: ug/m3 Sampling interval: 24 hour Sampling frequency: Every day CAS ID: C14808-79-8 Observation type: Particles Particle diameter--lower bound (UM): 0 Particle diameter--upper bound (UM): Undetermined Field sampling or measurement principle: Filter pack--multiple filters Medium: Teflon Inlet type: None--open-face filter Laboratory analytical method: IC Sample preparation: Water extraction Blank Correction: Blank corrected Volume standardization: 0 deg. C; 1 atmosphere Sampling Height above ground (m): 10 Instrument name and model number: MSC Sequential Filter Pack Measurement principal investigator: Dave MacTavish Detection Limit: Varies--see Detection lim



Site ID: CAPMCABC1SAT Variable name: Sulfur dioxide Units: ppbv Sampling interval: 24 hour Sampling frequency: Every day CAS ID: C7446-09-5 Observation type: Gas Particle diameter--lower bound (UM): 0 Particle diameter--upper bound (UM): Undetermined Field sampling or measurement principle: Filter pack--multiple filters Medium: Cellulose+nylon Inlet type: None--open-face filter Laboratory analytical method: IC Sample preparation: Base extraction Blank Correction: Blank corrected Volume standardization: 0 deg. C; 1 atmosphere Sampling Height above ground (m): 10 Instrument name and model number: MSC Sequential Filter Pack Measurement principal investigator: Dave MacTavish Detection Limit: Varies--see Detection lim

