Original	File Name
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File #

1 PAC2001_CONV_SML_PART-CNT+O3_FL-04_PR-03_20010825_V1.csv

Dataset Key Phrases

	Principal Investigator Namelast		File Contents Descriptionshort	
Data Exchange Standard Version	first	Principal Investigator Affiliation	long	Sampling Interval As Reported in Main Table
NARSTO 2002/05/28 (2.301)	, .		Aerosol_size+O3 ; Aerosol elemental size distribution and ozone	1 second

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	1	ENVCAN	Environment	Meteorological Service of Canada,	PAC2001
			Canada	Environment Canada, 4905 Dufferin St.,	
				Toronto, Ont. Canada M3H 5T4	

				Co-investigator Namelast	
Study Or Network Name	Country Code	State Or Province Code	Principal Investigator Contact Information	first	Co-investigator Affiliation
PACIFIC 2001	CA (CANADA)		Dr. Shao-Meng Li, 4905 Dufferin St., Toronto ON, CANADA, M3H 5T4 Shao-Meng.Li@ec.gc.ca		Air Quality Research Branch, Meteorological Service of Canada

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	2003/09/19	Excel/2000

1	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
	PAC2001_AIRCRAFT_REPORT.zip ; Adobe	2004/07/19 ; 1	Zero values for particle count measurements	Information not available
	Acrobat 4.0		represent actual values	

Table Explanation Of Reported Uncertainty	Table User Note	Table User Note2	Table User Note3	Table User Note4	Table Name	Table Focus
Information not available	None	None			Aerosol_size_distr+O3	Aloftaircraft

Site Information

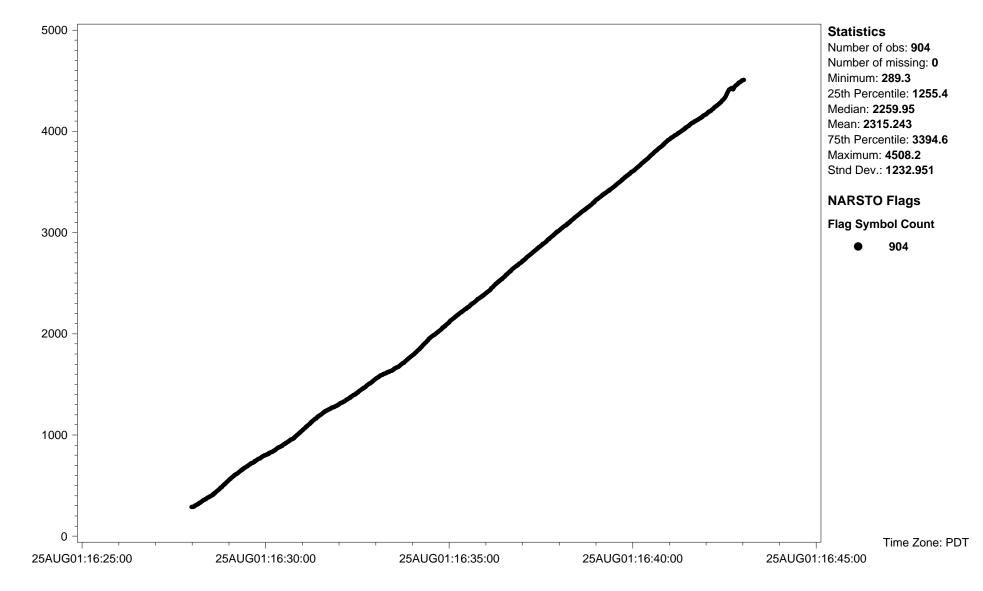
Site ID	Name	State Province code	Latitude: decimal degree	Longitude: decimal degree	 Ground elevation above sea level (m)	site_land_use
PC01CABCABTF	Abbotsford	BC	49.02347	-122.34375	72	
PC01CABCCONV	Convair 580	BC	-99.99999	-99.99999	-99.9	

				Co-incident		Lat
Site ID	site_location_setting	Measurement start date	Measurement end date	measurements	Study site ID	Ion accuracy
PC01CABCABTF		2001/08/14	2001/08/30			
PC01CABCCONV		2001/08/14	2001/08/30			

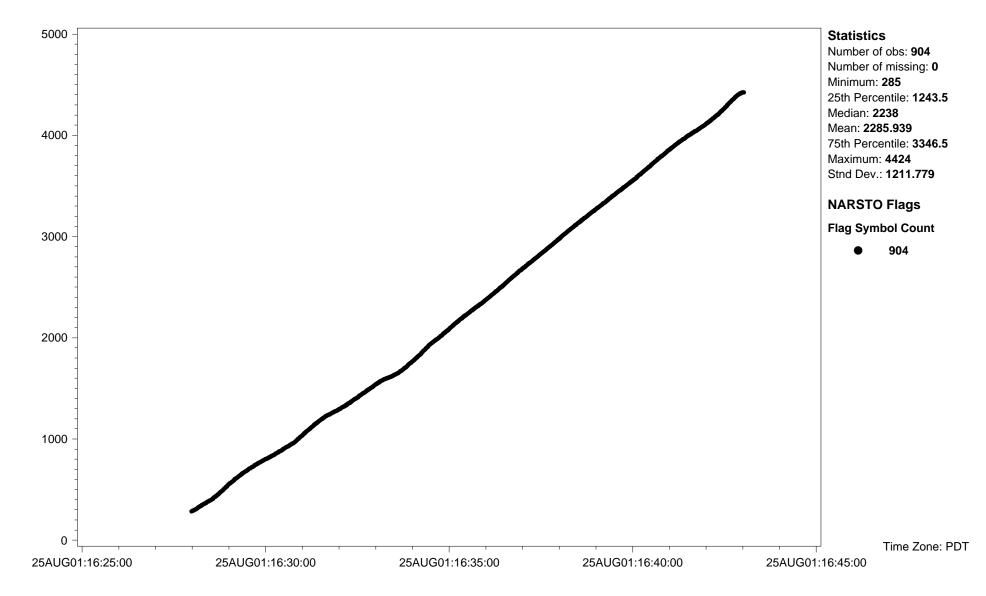
NARSTO Standard Flags

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

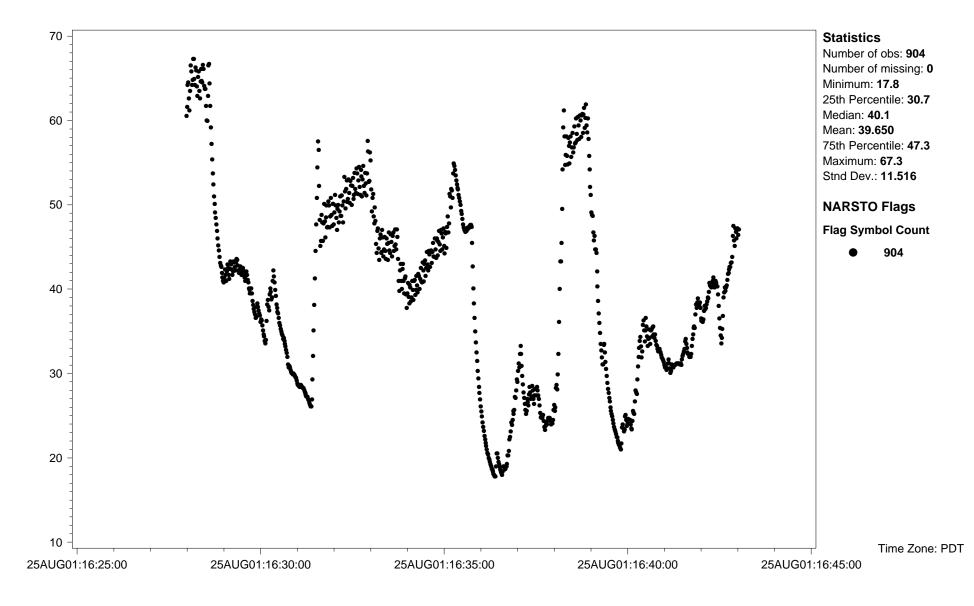
Site ID: PC01CABCCONV Variable name: Altitude: above ground level Units: m Sampling interval: 1 second Sampling frequency: Same as sampling interval Observation type: Supplementary data Field sampling or measurement principle: Radar Sampling Height above ground (m): Varies--see variable Alti Instrument name and model number: Information not available Measurement principal investigator: Dr. Shao-Meng Li Detection Limit: 35 m



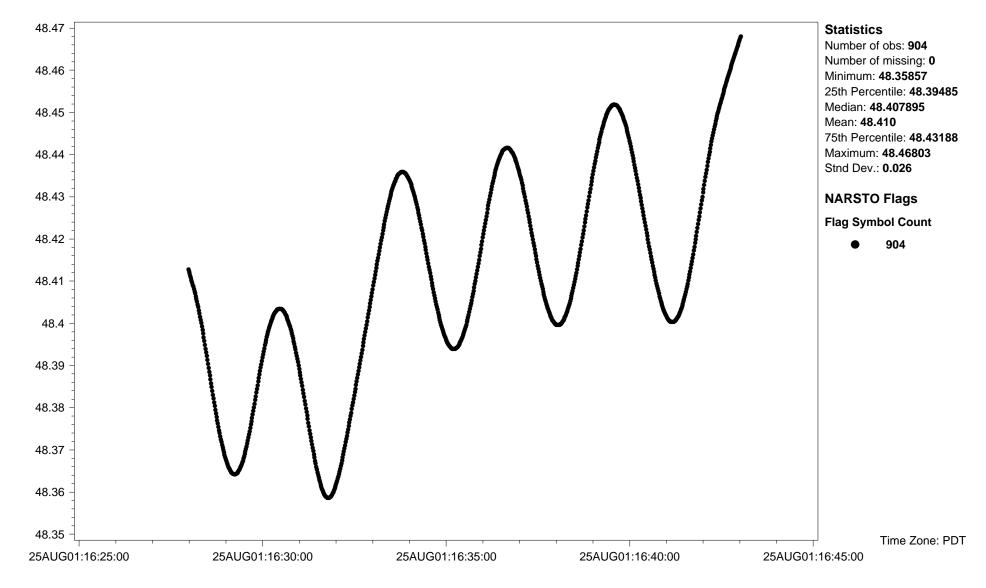
Site ID: PC01CABCCONV Variable name: Altitude: above mean sea level Units: m Sampling interval: 1 second Sampling frequency: Same as sampling interval Observation type: Supplementary data Field sampling or measurement principle: Aircraft instrumentation Sampling Height above ground (m): Varies--see variable Alti Instrument name and model number: Information not available Measurement principal investigator: Dr. Shao-Meng Li Detection Limit: 35 m



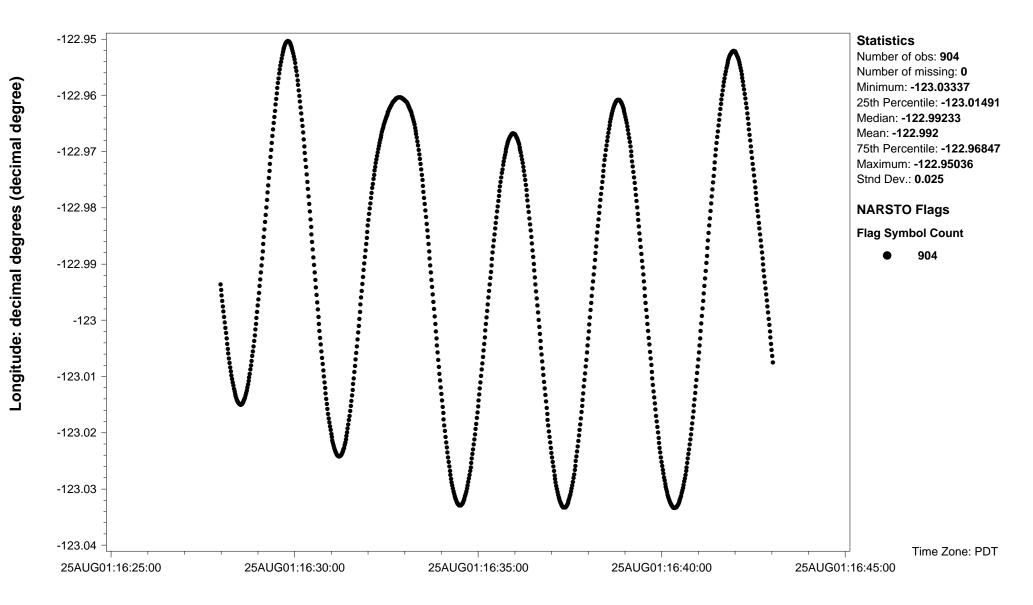
Site ID: **PC01CABCCONV** Variable name: **Humidity: relative** Units: % Sampling interval: **1 second** Sampling frequency: **Same as sampling interval** Observation type: **Supplementary data** Field sampling or measurement principle: **Aircraft instrumentation** Sampling Height above ground (m): **Varies--see variable Alti** Measurement principal investigator: **Dr. Shao-Meng Li**



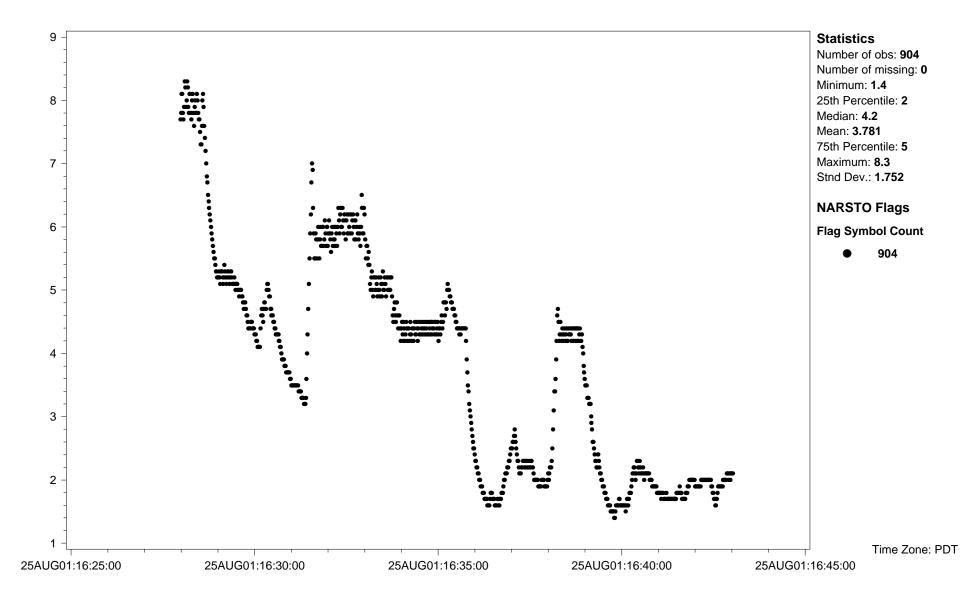
Site ID: PC01CABCCONV Variable name: Latitude: decimal degrees Units: decimal degree Sampling interval: 1 second Sampling frequency: Same as sampling interval Observation type: Supplementary data Field sampling or measurement principle: GPS Sampling Height above ground (m): Varies--see variable Alti Instrument name and model number: North Star and Trimble GPS Measurement principal investigator: Dr. Shao-Meng Li Detection Limit: 15 m



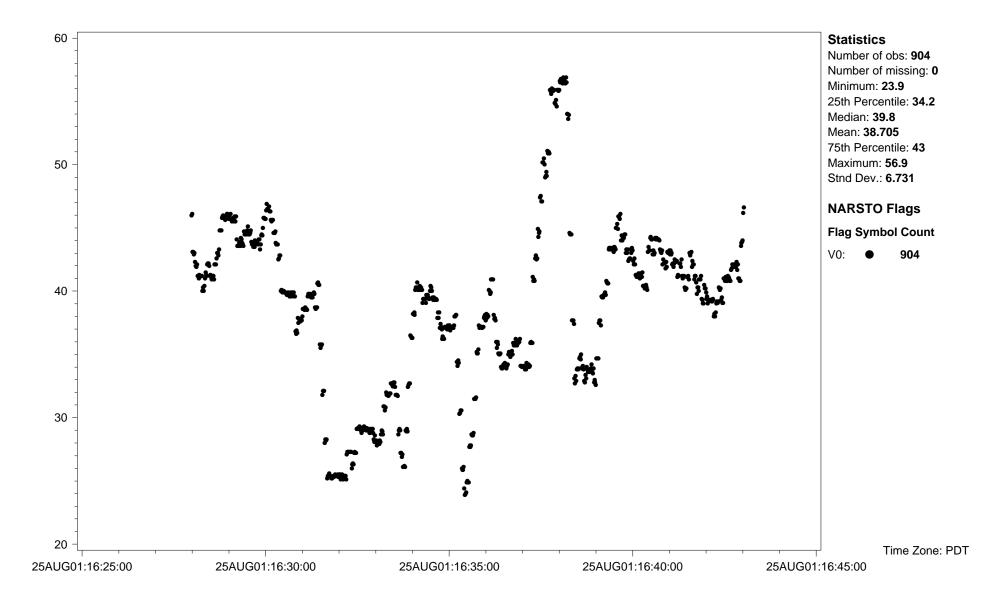
Site ID: PC01CABCCONV Variable name: Longitude: decimal degrees Units: decimal degree Sampling interval: 1 second Sampling frequency: Same as sampling interval Observation type: Supplementary data Field sampling or measurement principle: GPS Sampling Height above ground (m): Varies--see variable Alti Instrument name and model number: North Star and Trimble GPS Measurement principal investigator: Dr. Shao-Meng Li Detection Limit: 15 m



Site ID: PC01CABCCONV Variable name: Mixing ratio Units: g/kg Sampling interval: 1 second Sampling frequency: Same as sampling interval Observation type: Supplementary data Field sampling or measurement principle: Ultraviolet absorption Sampling Height above ground (m): Varies--see variable Alti Measurement principal investigator: Dr. Shao-Meng Li



Site ID: PC01CABCCONV Variable name: Ozone Units: ppbv Sampling interval: 1 second Sampling frequency: Same as sampling interval CAS ID: C10028-15-6 Observation type: Gas Field sampling or measurement principle: Ultraviolet absorption Inlet type: Filter in front of sampling line Blank Correction: Not blank corrected Sampling Height above ground (m): Varies--see variable Alti Instrument name and model number: TECO 49 Measurement principal investigator: Dr. Shao-Meng Li Detection Limit: 2 to 3



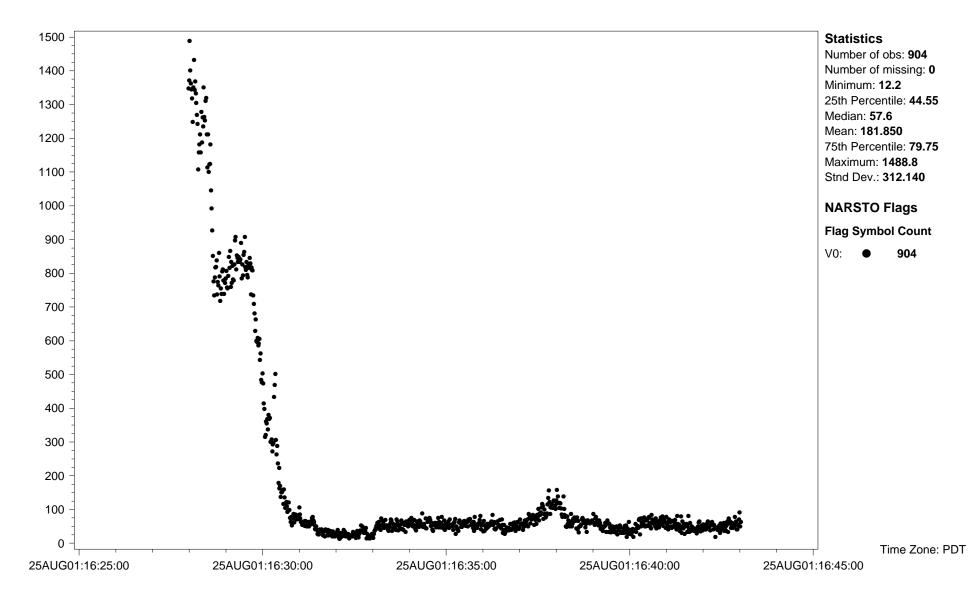
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Sampling frequency: Same as sampling interval Observation type: Particles

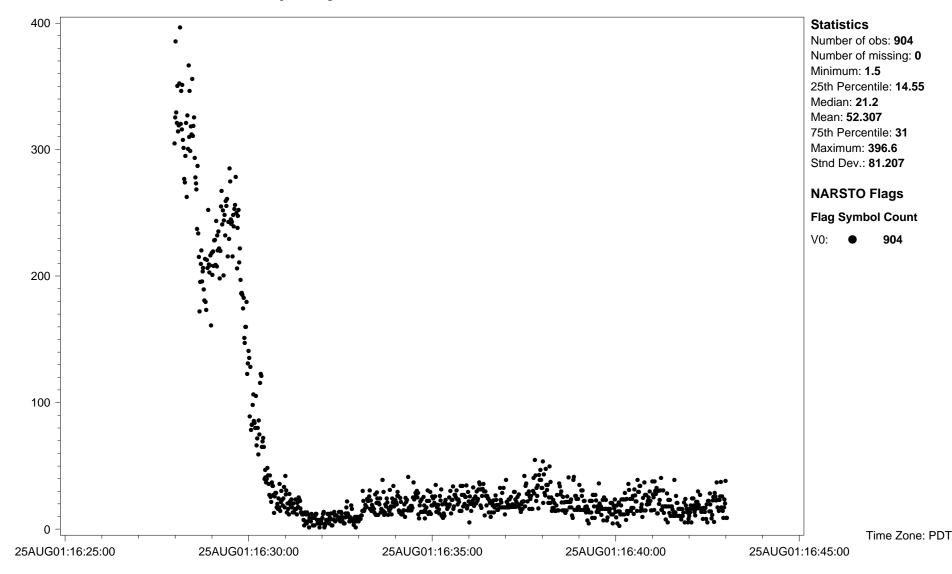
Field sampling or measurement principle: Optical particle counter/size spectrometer Inlet type: Isokinetic

Sampling humidity or temperature control: Temperature controlled Sampling Height above ground (m): Varies--see variable Alti

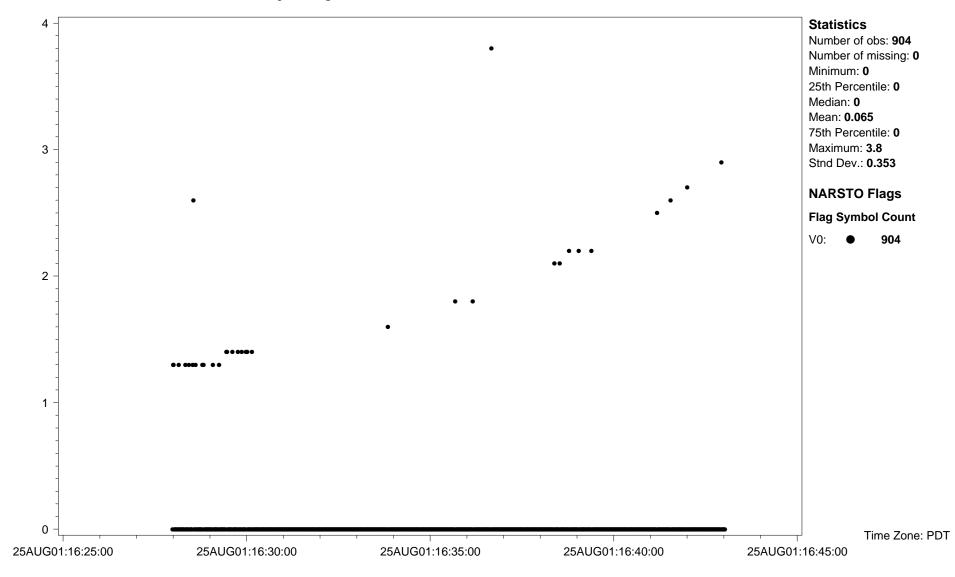
Instrument name and model number: Passive Cavity Aerosol Spectrometer Probe Measurement principal investigator: Dr. Shao-Meng Li Detection Limit: Not available



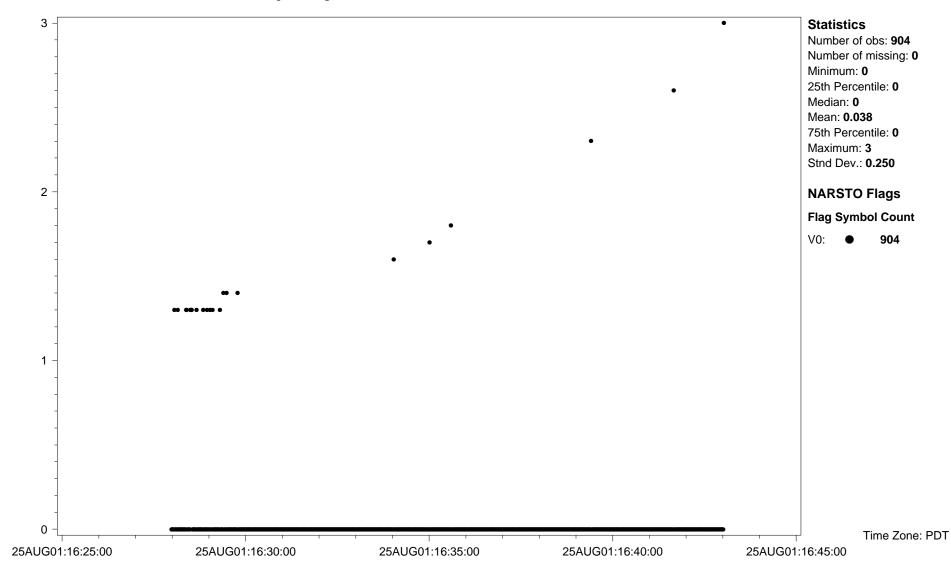
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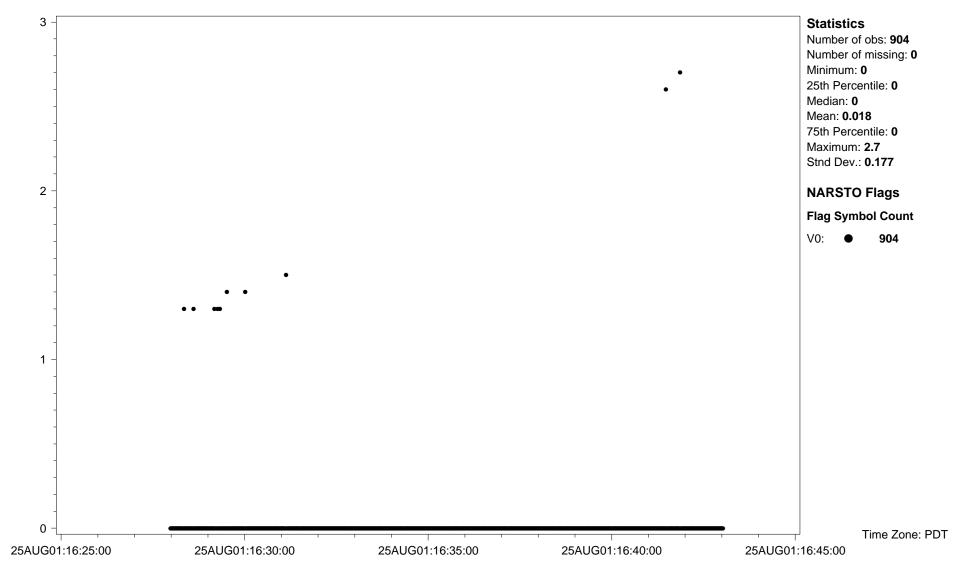
Site ID: PC01CABCCONV Variable name: Particles: count Units: number/cm3 Basis: channel 10 Sampling interval: 1 second Sampling frequency: Same as sampling interval Observation type: Particles Particle diameter--lower bound (UM): 0.730 Particle diameter--upper bound (UM): 0.930 Particle diameter--median (UM): 0.830 Field sampling or measurement principle: Optical particle counter/size spectrometer Inlet type: Isokinetic Sampling humidity or temperature control: Temperature controlled Sampling Height above ground (m): Varies--see variable Alti Instrument name and model number: Passive Cavity Aerosol Spectrometer Probe Measurement principal investigator: Dr. Shao-Meng Li Detection Limit: Not available



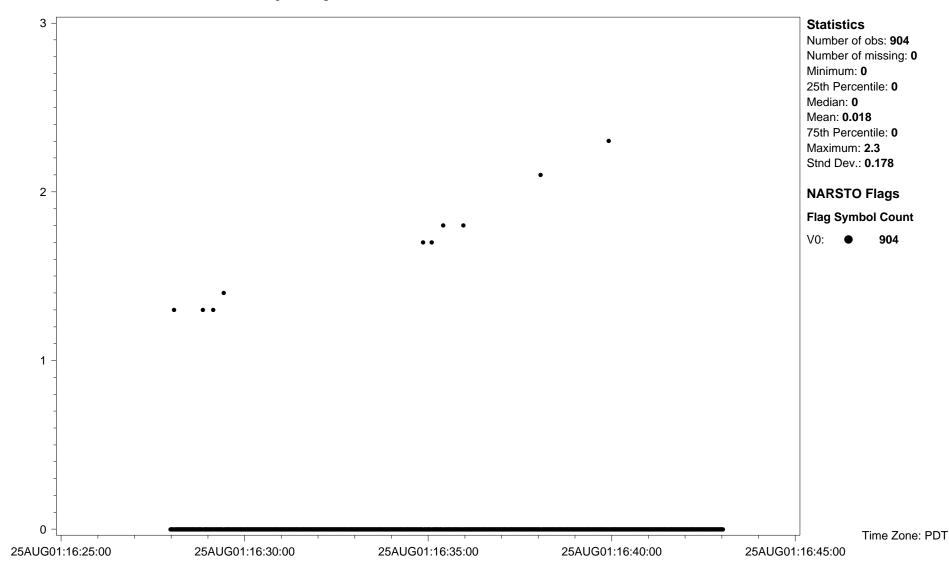
Site ID: PC01CABCCONV Variable name: Particles: count Units: number/cm3 Basis: channel 11 Sampling interval: 1 second Sampling frequency: Same as sampling interval Observation type: Particles Particle diameter--lower bound (UM): 0.930 Particle diameter--upper bound (UM): 1.200 Particle diameter--median (UM): 1.065 Field sampling or measurement principle: Optical particle counter/size spectrometer Inlet type: Isokinetic Sampling humidity or temperature control: Temperature controlled Sampling Height above ground (m): Varies--see variable Alti Instrument name and model number: Passive Cavity Aerosol Spectrometer Probe Measurement principal investigator: Dr. Shao-Meng Li Detection Limit: Not available



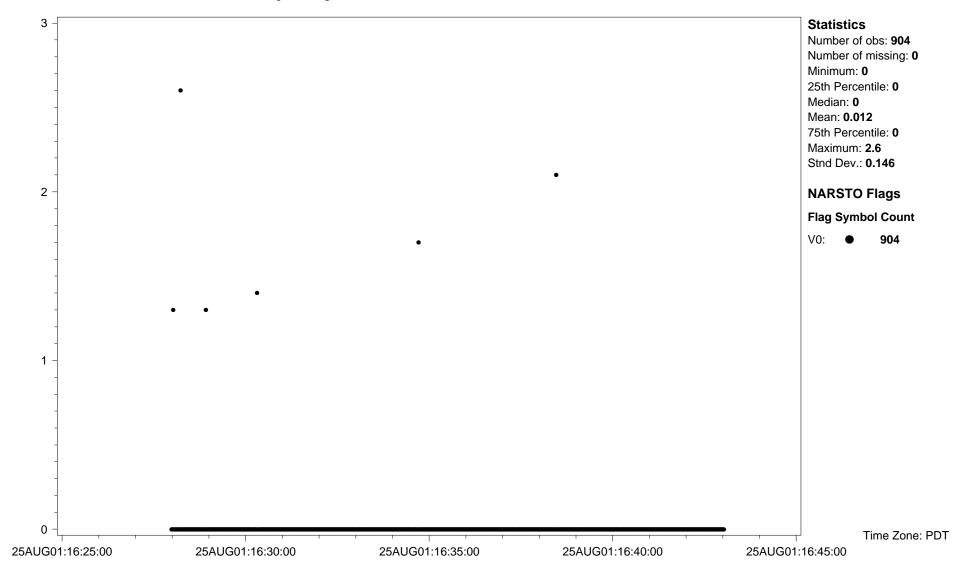
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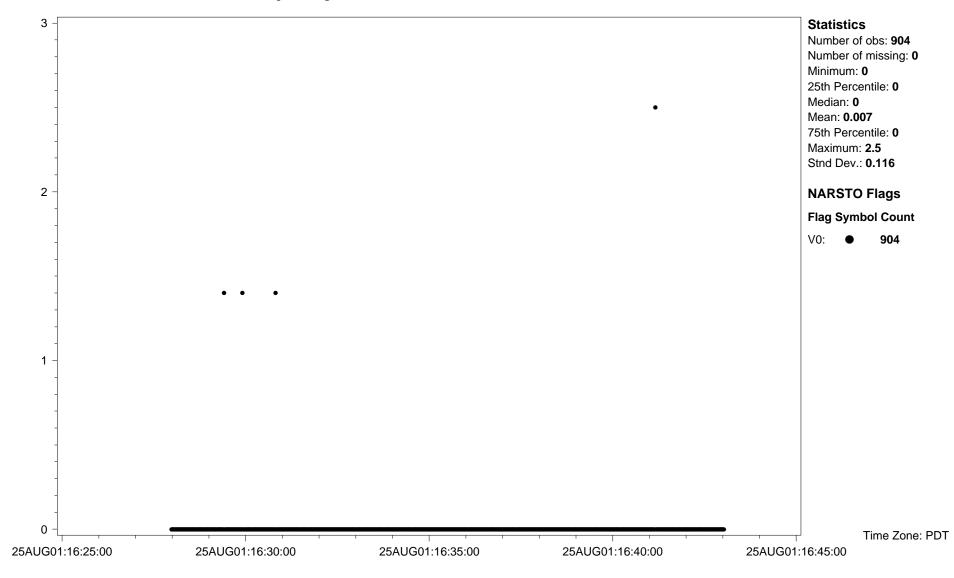
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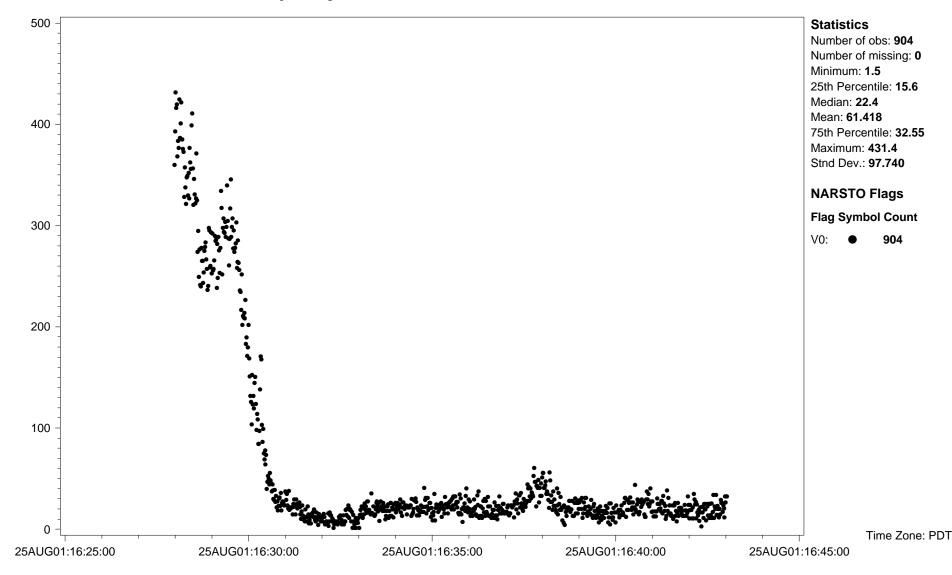
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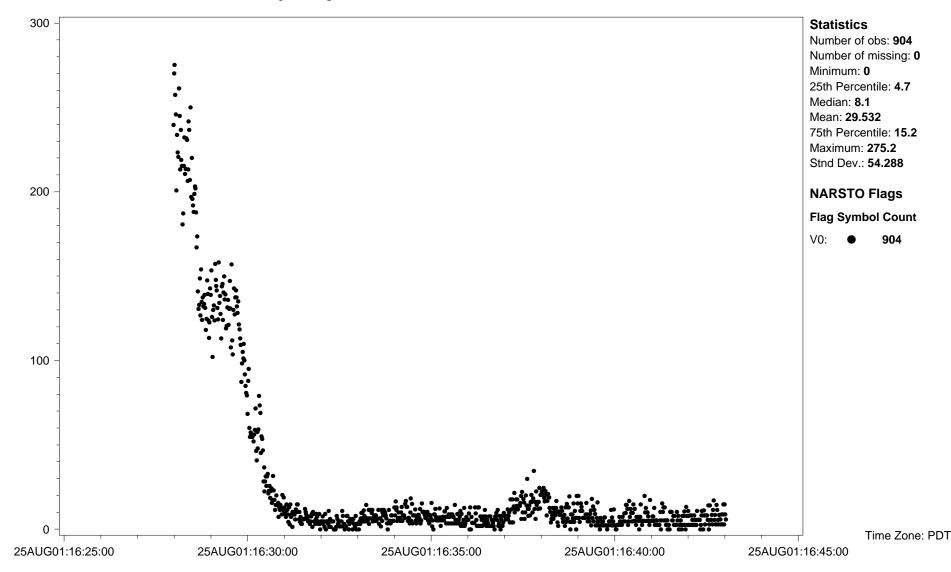
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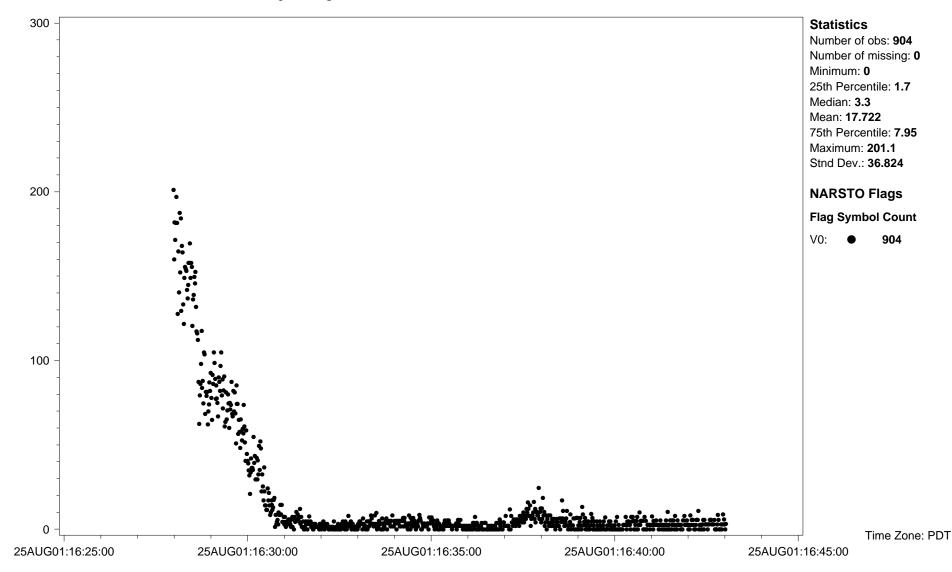
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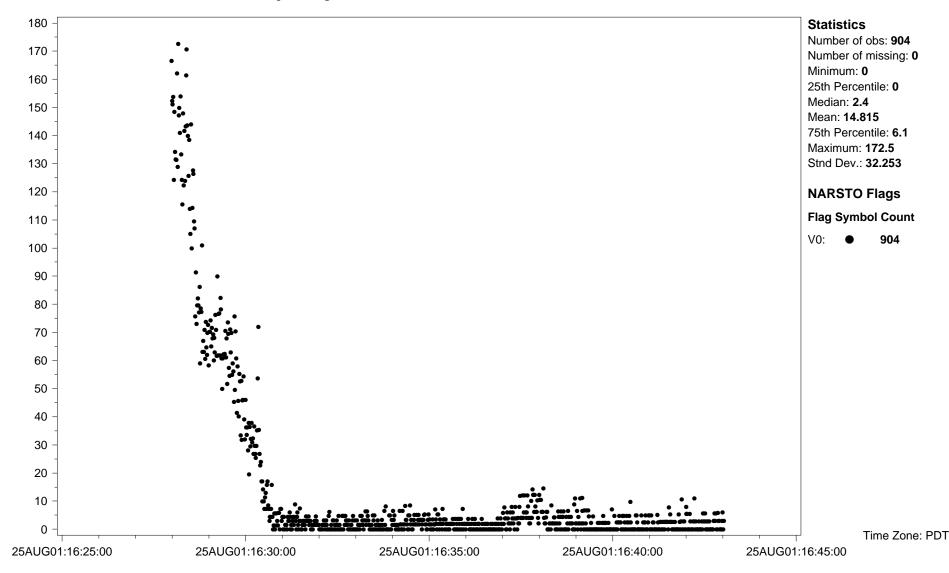
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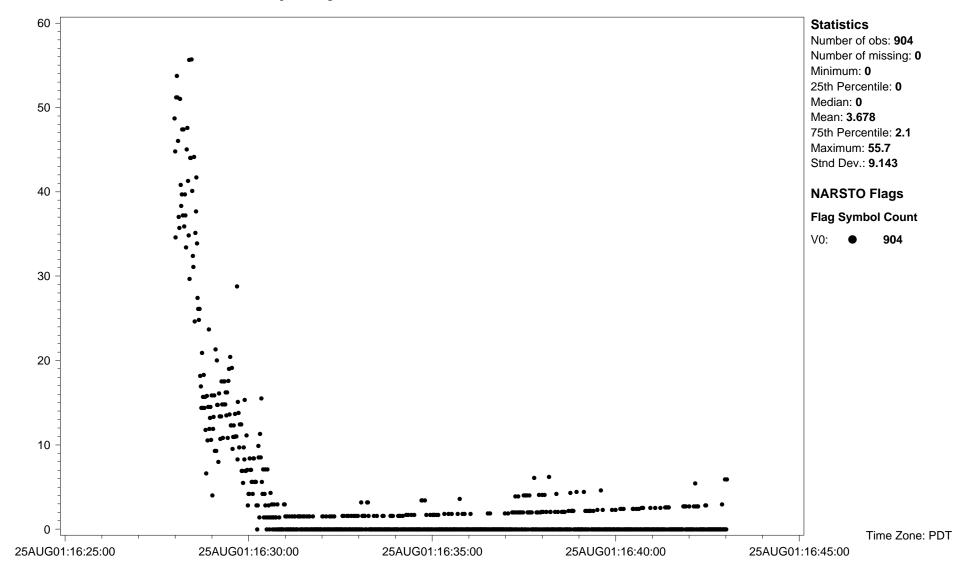
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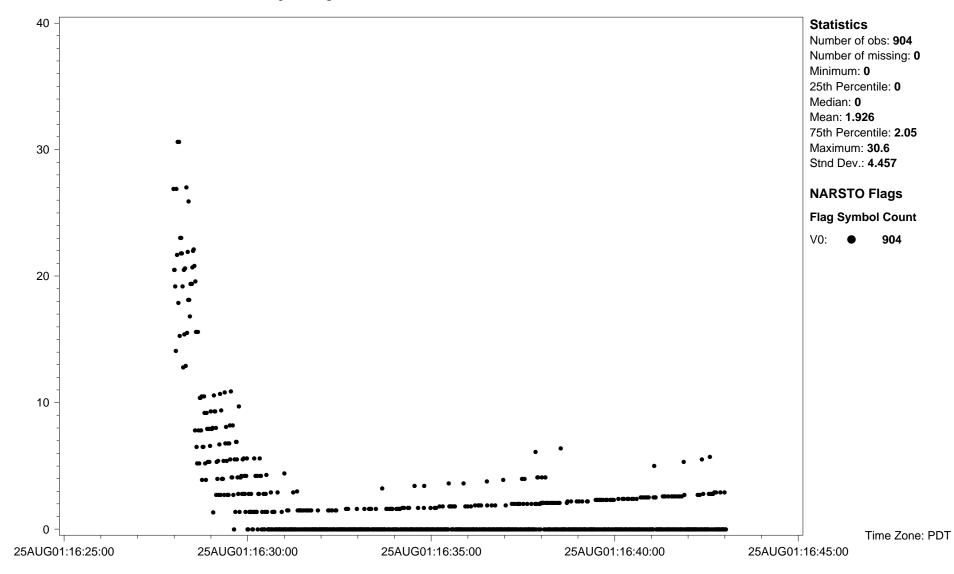
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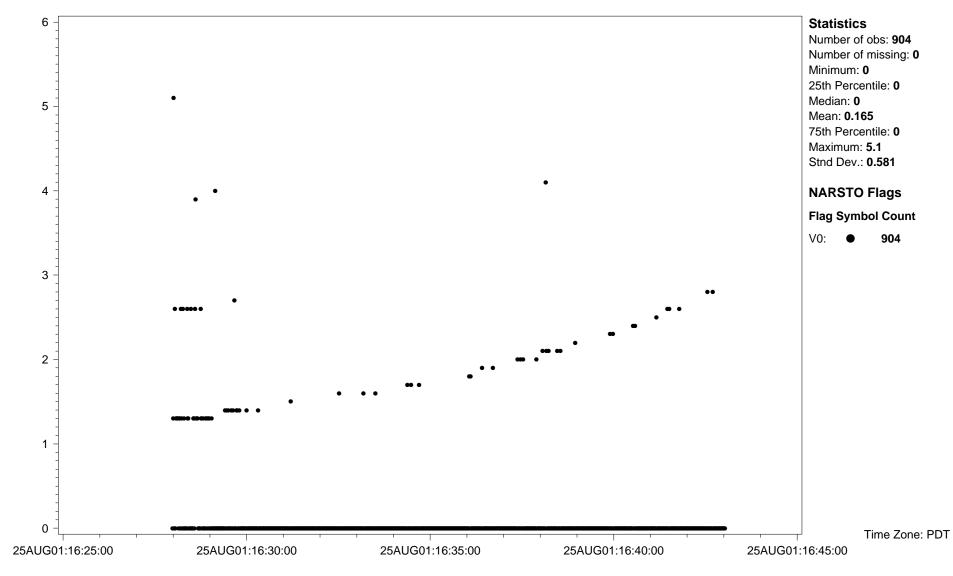
Site ID: PC01CABCCONV Variable name: Particles: count Units: number/cm3 Basis: channel 6 Sampling interval: 1 second Sampling frequency: Same as sampling interval Observation type: Particles Particle diameter--lower bound (UM): 0.263 Particle diameter--upper bound (UM): 0.340 Particle diameter--median (UM): 0.302 Field sampling or measurement principle: Optical particle counter/size spectrometer Inlet type: Isokinetic Sampling humidity or temperature control: Temperature controlled Sampling Height above ground (m): Varies--see variable Alti Instrument name and model number: Passive Cavity Aerosol Spectrometer Probe Measurement principal investigator: Dr. Shao-Meng Li Detection Limit: Not available



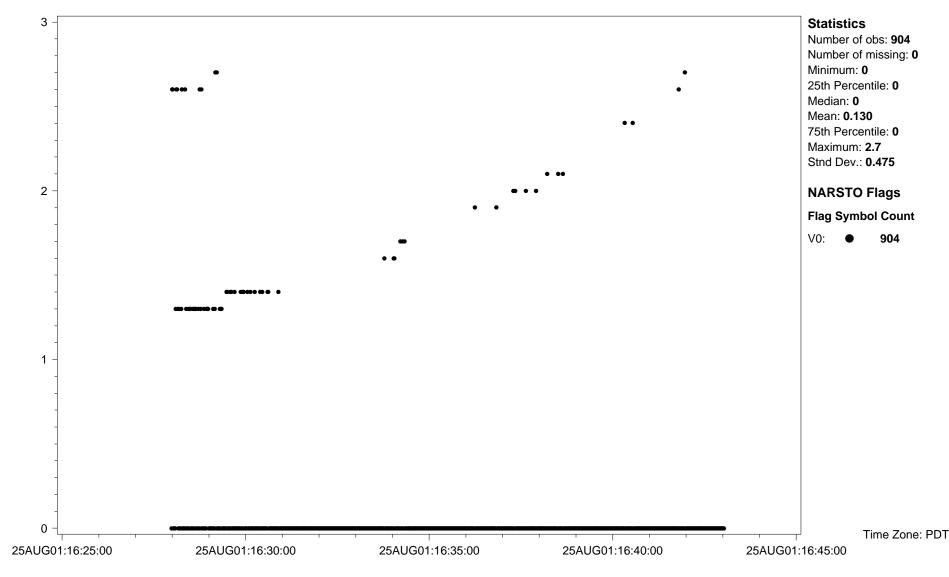
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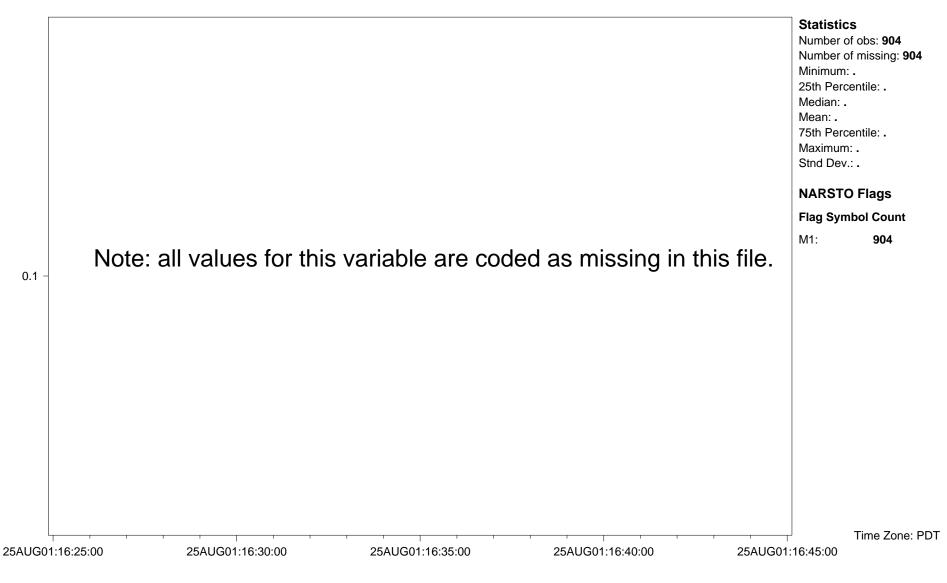
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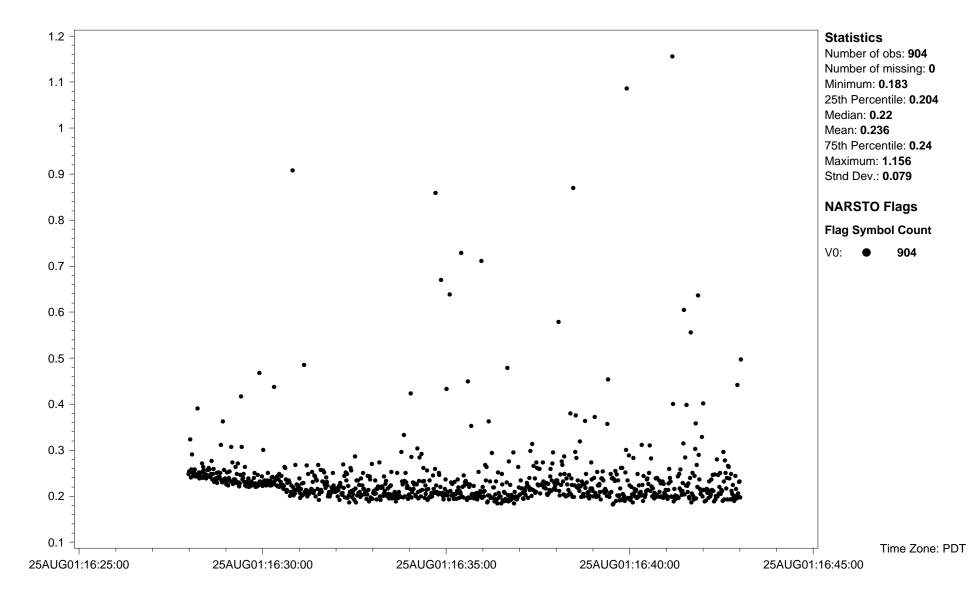
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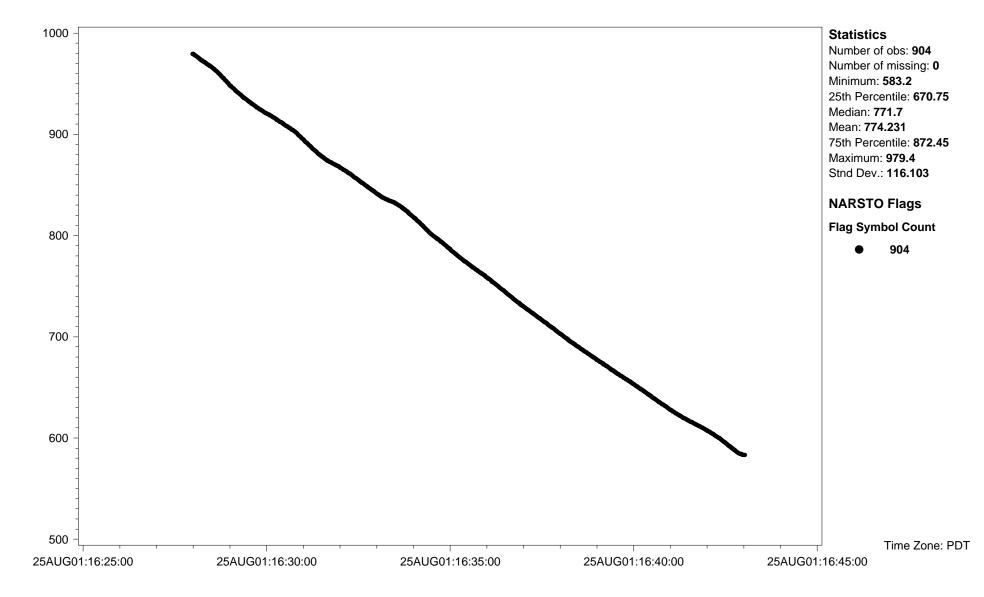
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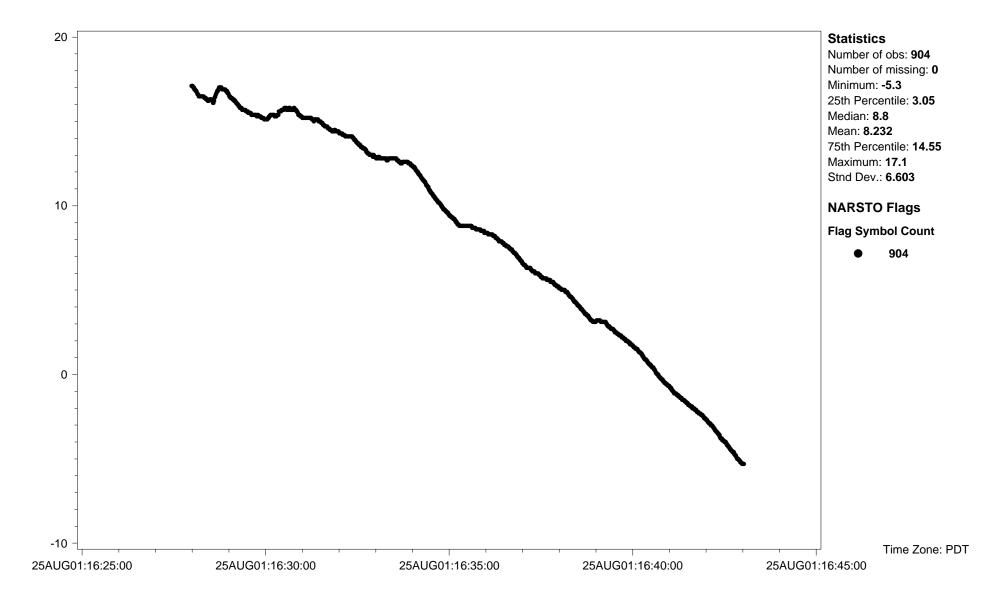
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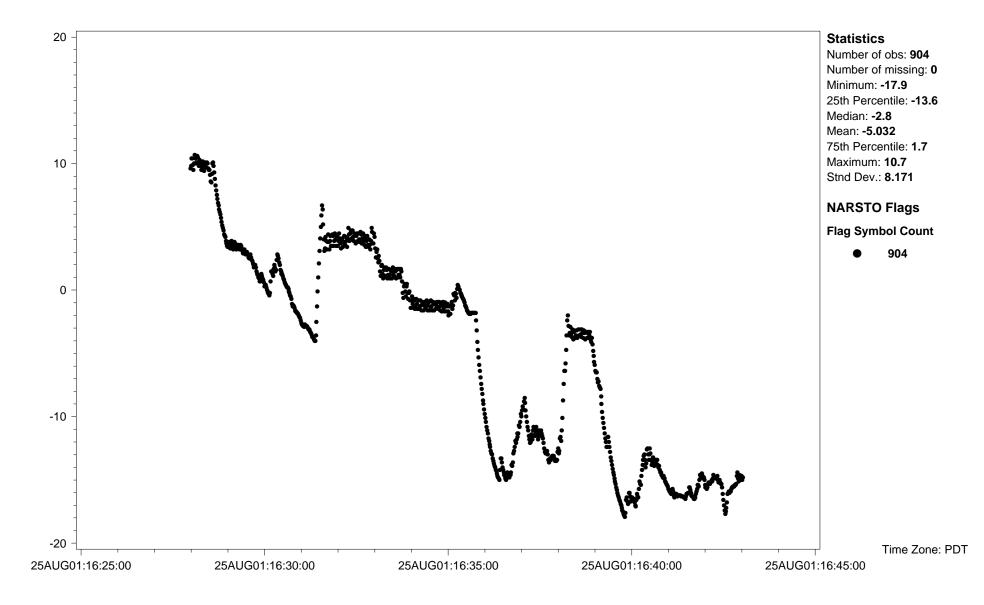
Site ID: PC01CABCCONV Variable name: Pressure: atmospheric barometric Units: mb Sampling interval: 1 second Sampling frequency: Same as sampling interval Observation type: Supplementary data Field sampling or measurement principle: Aircraft instrumentation Sampling Height above ground (m): Varies--see variable Alti Instrument name and model number: Information not available Measurement principal investigator: Dr. Shao-Meng Li



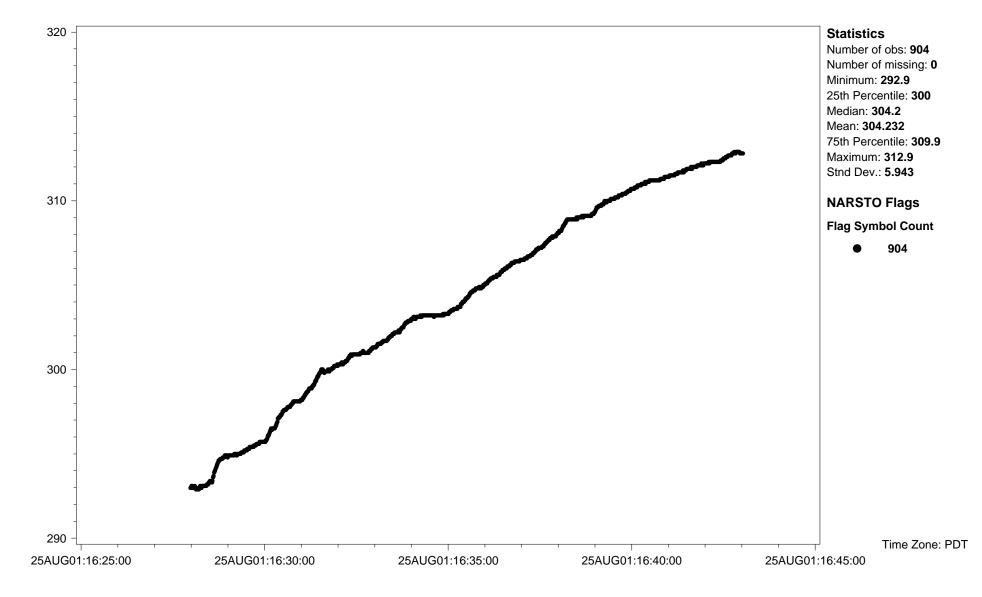
Site ID: PC01CABCCONV Variable name: Temperature: air Units: deg C Sampling interval: 1 second Sampling frequency: Same as sampling interval Observation type: Supplementary data Field sampling or measurement principle: Ultraviolet absorption Sampling Height above ground (m): Varies--see variable Alti Instrument name and model number: Rosemount Static Temperature Measurement principal investigator: Dr. Shao-Meng Li Detection Limit: 2 to 3



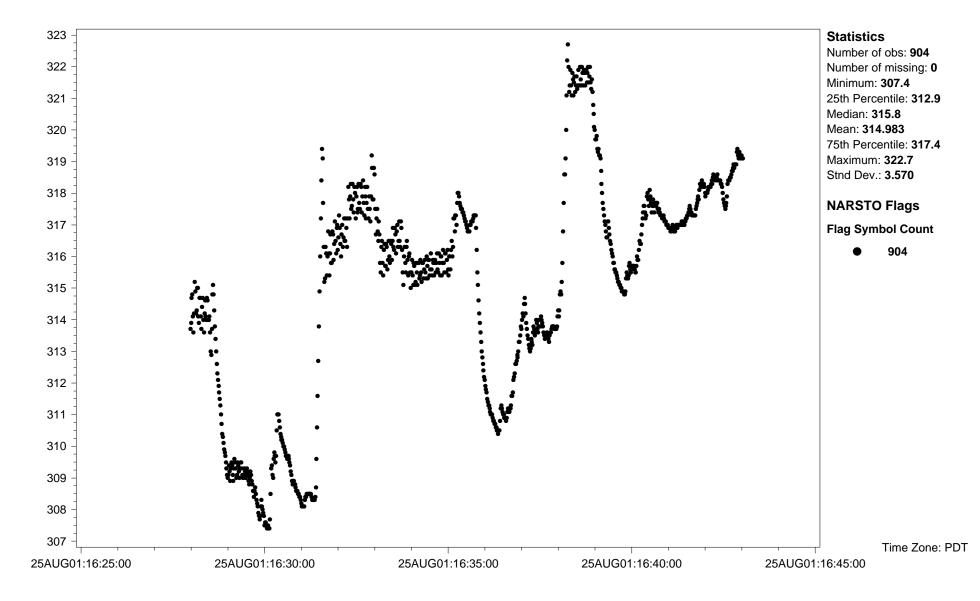
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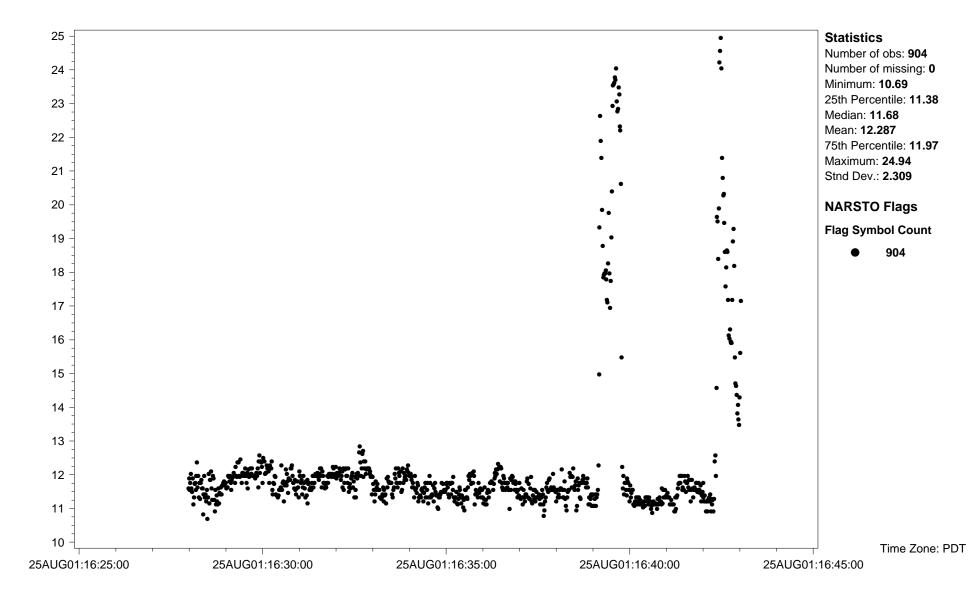
Site ID: PC01CABCCONV Variable name: Temperature: potential equivalent Units: K Sampling interval: 1 second Sampling frequency: Same as sampling interval Observation type: Supplementary data Field sampling or measurement principle: Aircraft instrumentation Sampling Height above ground (m): Varies--see variable Alti Measurement principal investigator: Dr. Shao-Meng Li



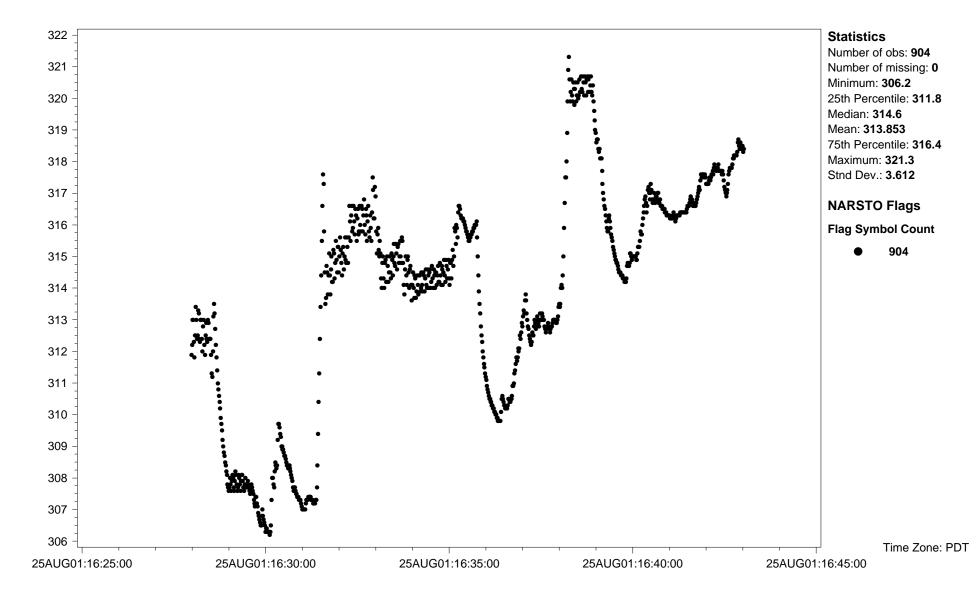
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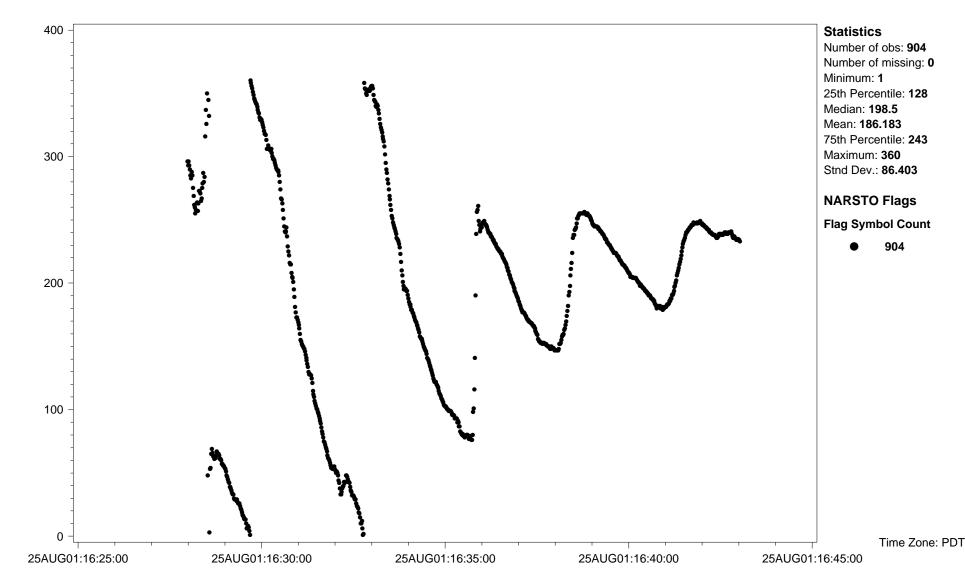
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Site ID: PC01CABCCONV Variable name: Temperature: wet-equivalent potential Units: K Sampling interval: 1 second Sampling frequency: Same as sampling interval Observation type: Supplementary data Field sampling or measurement principle: Aircraft instrumentation Sampling Height above ground (m): Varies--see variable Alti Measurement principal investigator: Dr. Shao-Meng Li



Site ID: PC01CABCCONV Variable name: Wind direction: horizontal resultant vector mean Units: degree from true north Sampling interval: 1 second Sampling frequency: Same as sampling interval Observation type: Supplementary data Field sampling or measurement principle: Aircraft instrumentation Sampling Height above ground (m): Varies--see variable Alti Instrument name and model number: Information not available Measurement principal investigator: Dr. Shao-Meng Li



Site ID: PC01CABCCONV Variable name: Wind speed: horizontal scalar mean Units: m/s Sampling interval: 1 second Sampling frequency: Same as sampling interval Observation type: Supplementary data Field sampling or measurement principle: Aircraft instrumentation Sampling Height above ground (m): Varies--see variable Alti Instrument name and model number: Information not available Measurement principal investigator: Dr. Shao-Meng Li

