| Original | Eila | Mama |
|----------|------|------|
| Original | гпе | Name |
| | | |

File #

1 PAC2001_CONV_SML_PART-CNT+O3_FL-09_PR-04_20010830_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

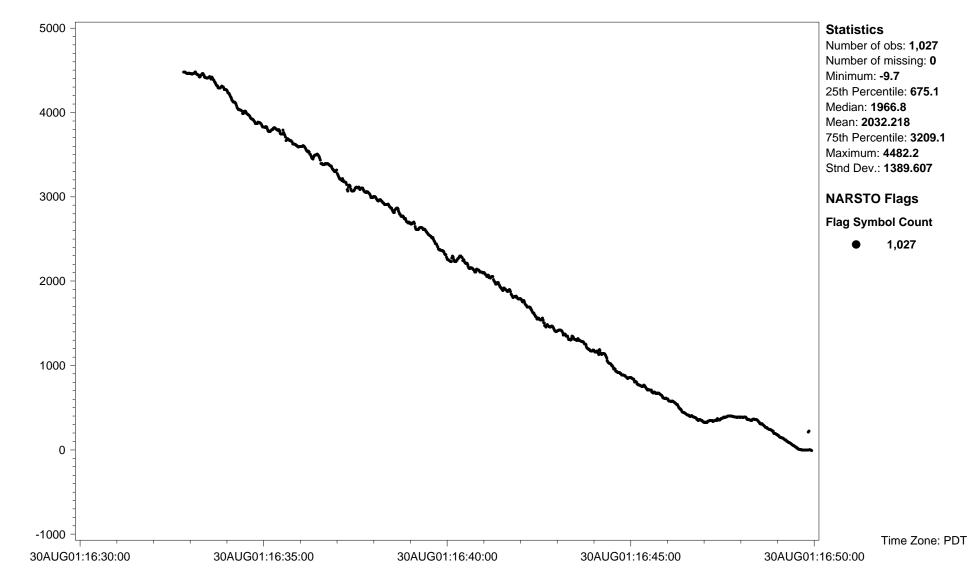
| Site ID | Name | State Province code | Latitude: decimal degree | Longitude: decimal degree | Ground elevation above sea level (m) | site_land_use |
|--------------|-------------|------------------------|--------------------------|---------------------------|---|---------------|
| PC01CABCABTF | Abbotsford | 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 | | | |

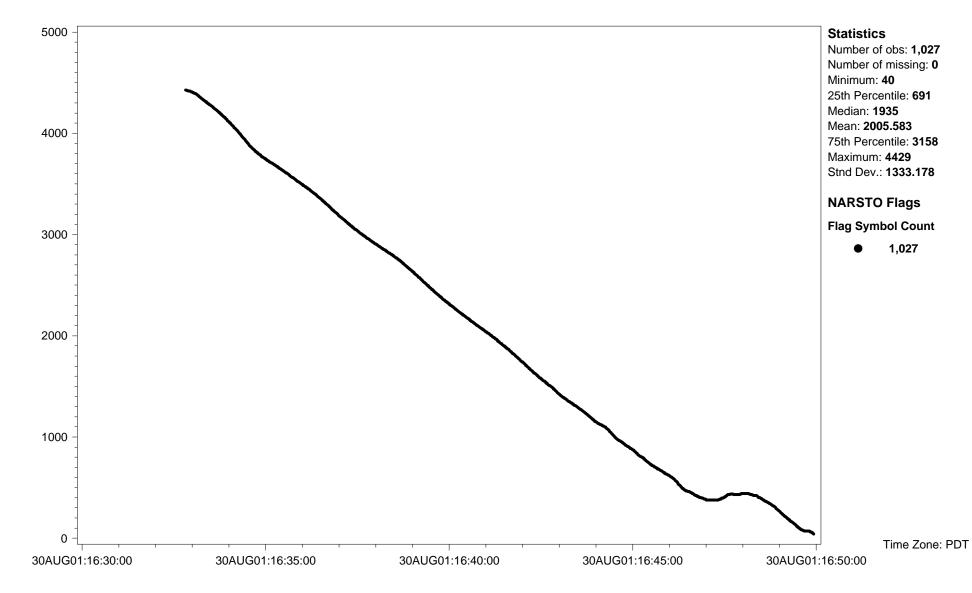
NARSTO Standard Flags

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

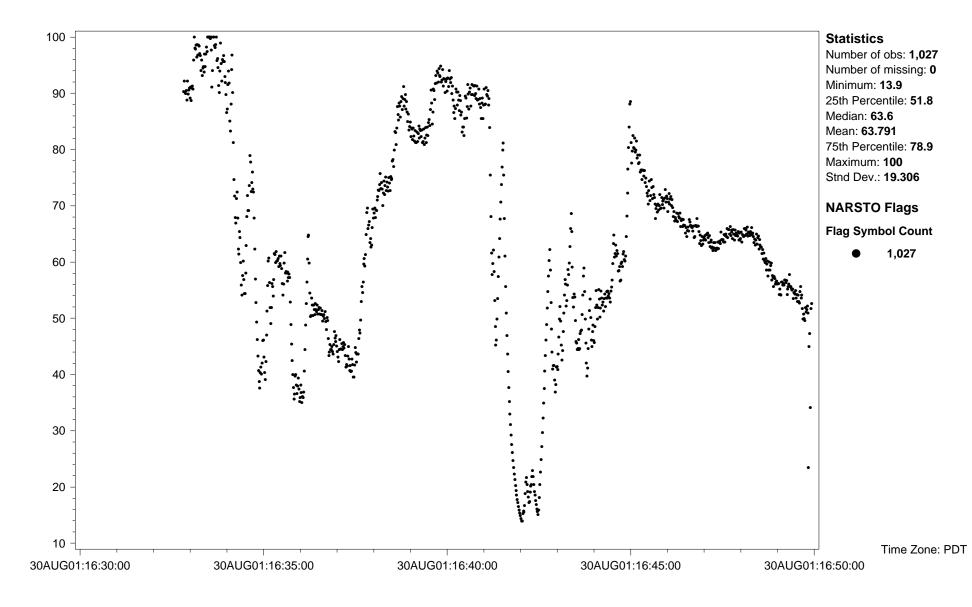
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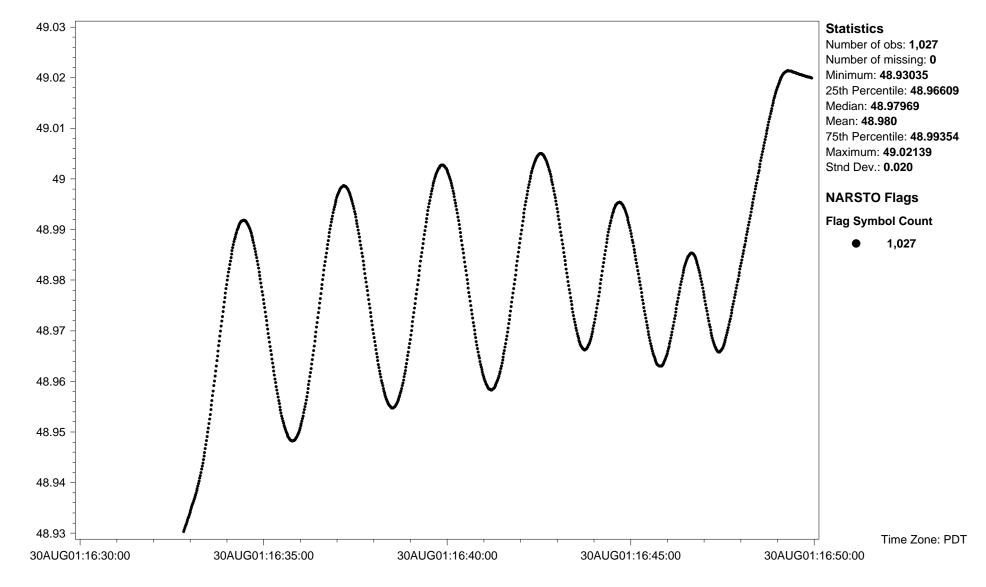
Site ID: PC01CABCCONV Variable name: Altitude: above mean sea level Units: m Sampling interval: 1 second Sampling frequency: Same as sampling interval Observation type: Supplementary data Field sampling or measurement principle: Aircraft instrumentation Sampling Height above ground (m): Varies--see variable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



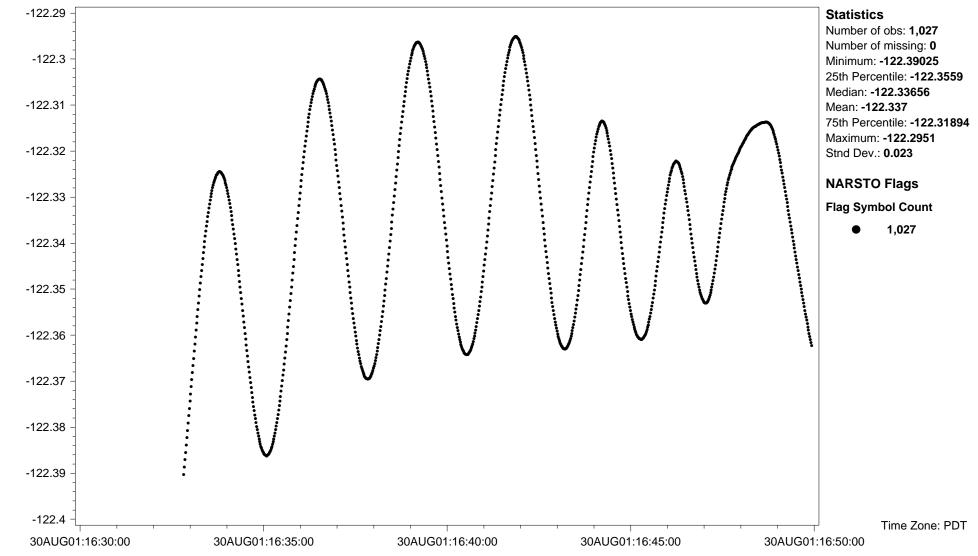
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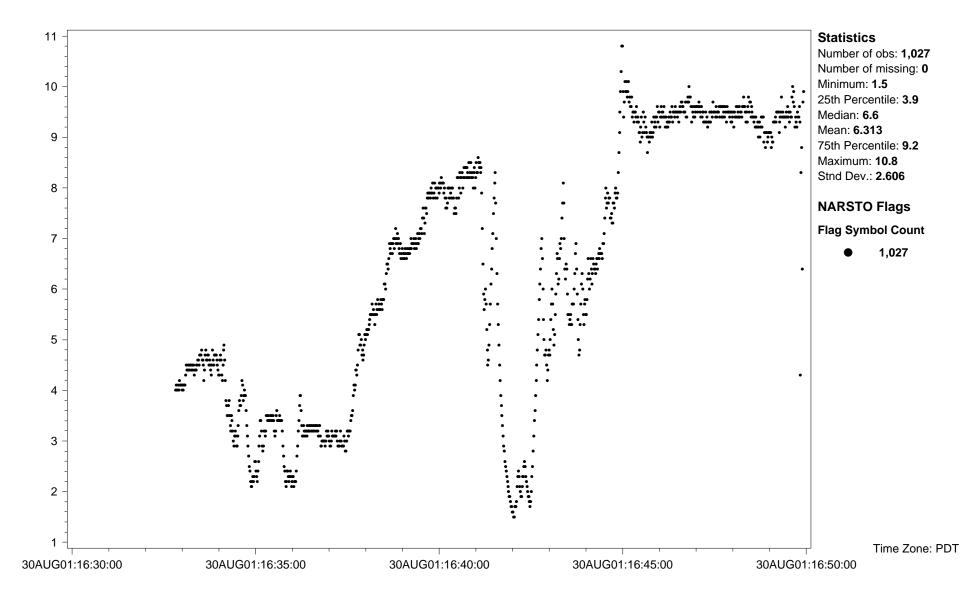
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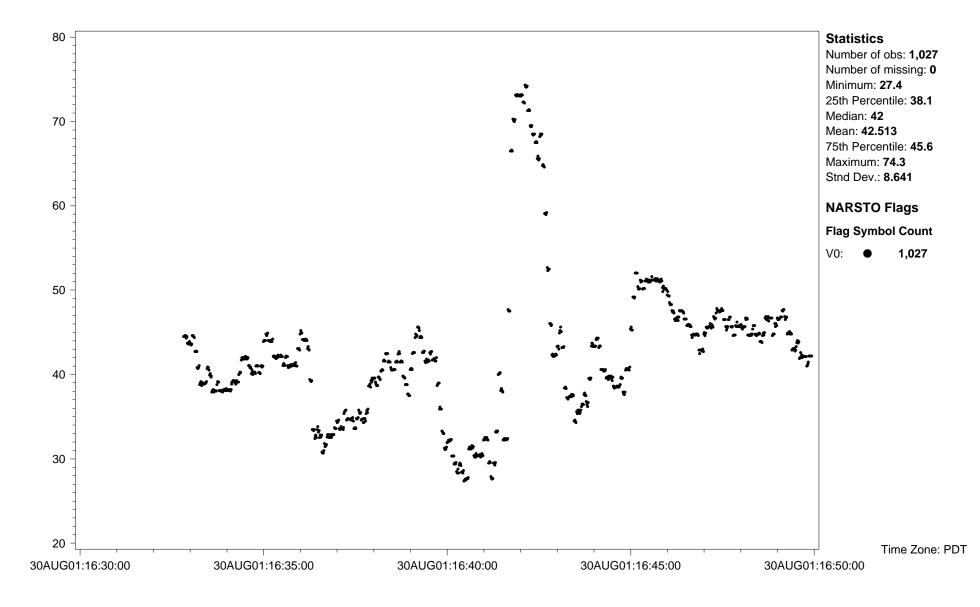
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Site ID: PC01CABCCONV Variable name: Mixing ratio Units: g/kg Sampling interval: 1 second Sampling frequency: Same as sampling interval Observation type: Supplementary data Field sampling or measurement principle: Ultraviolet absorption Sampling Height 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



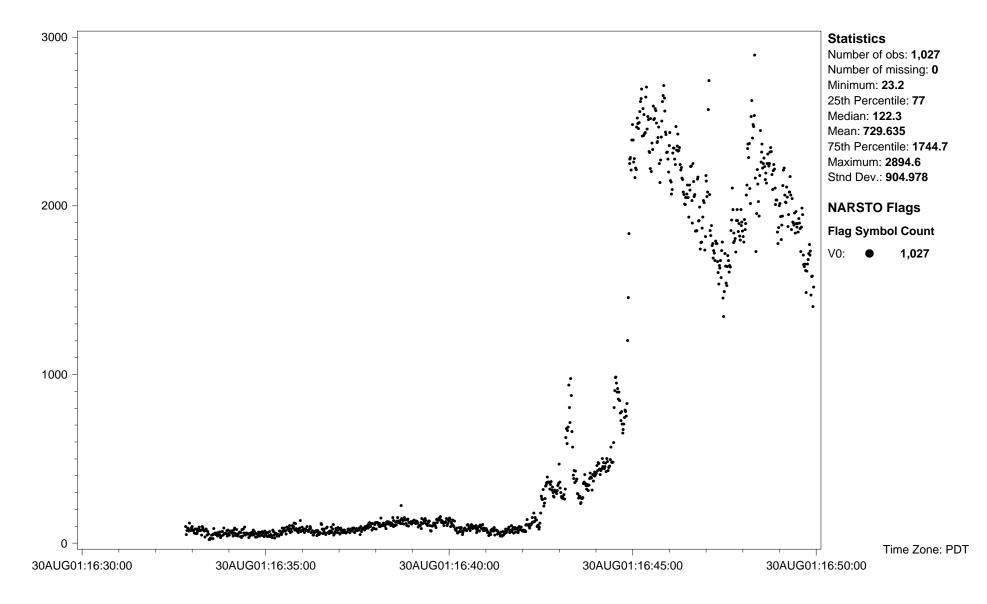
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Sampling frequency: Same as sampling interval Observation type: Particles

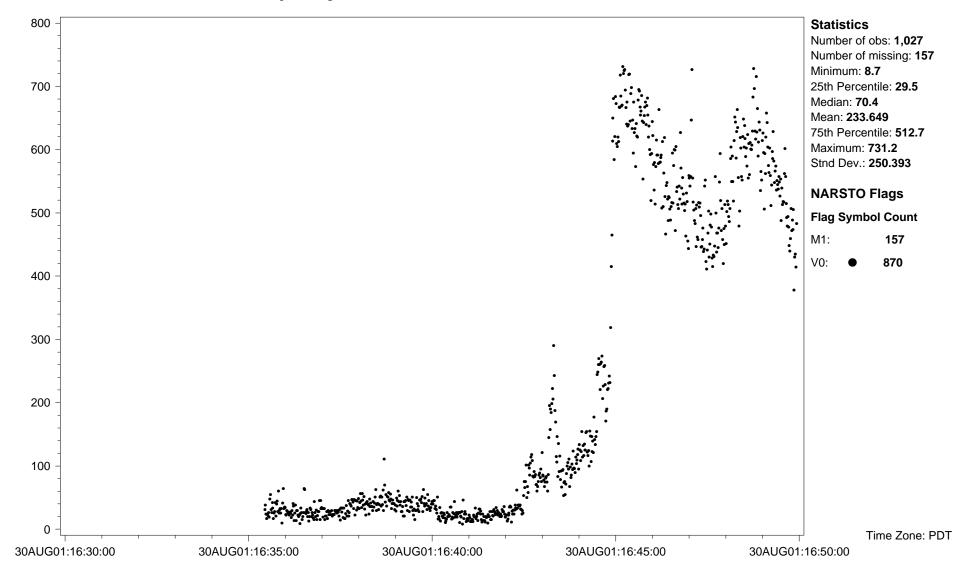
Field sampling or measurement principle: Optical particle counter/size spectrometer Inlet type: Isokinetic

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

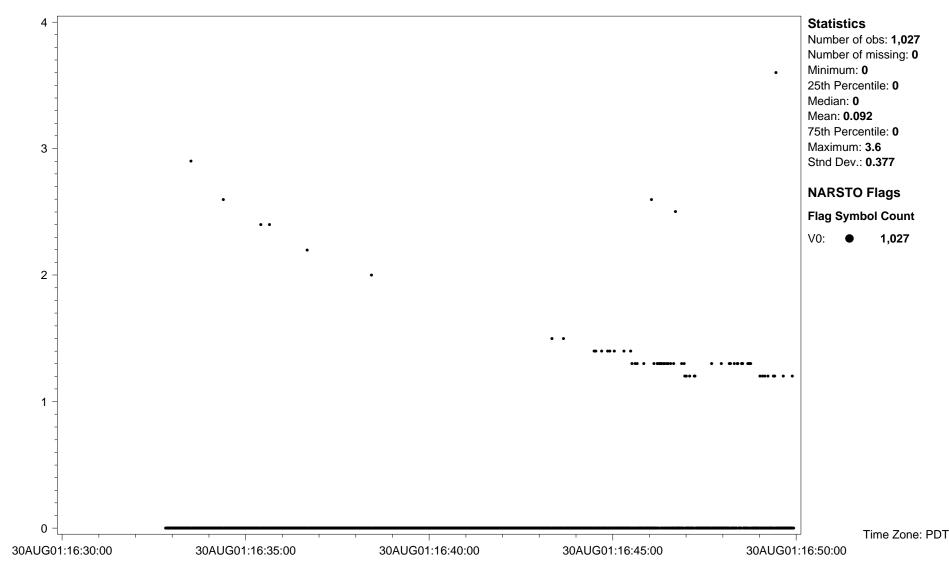
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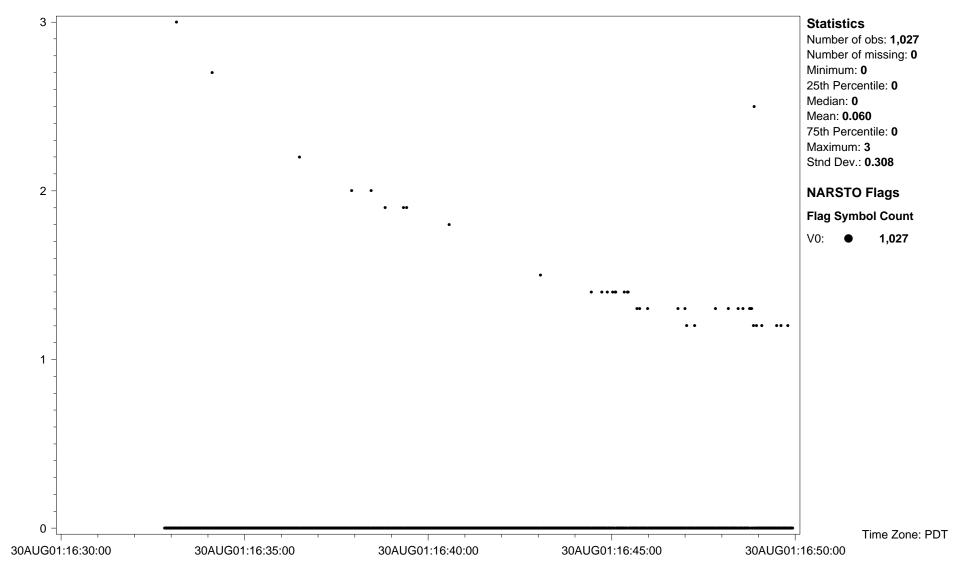
Site ID: PC01CABCCONV Variable name: Particles: count Units: number/cm3 Basis: channel 1 Sampling interval: 1 second Sampling frequency: Same as sampling interval Observation type: Particles Particle diameter--lower bound (UM): 0.130 Particle diameter--upper bound (UM): 0.150 Particle diameter--median (UM): 0.140 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



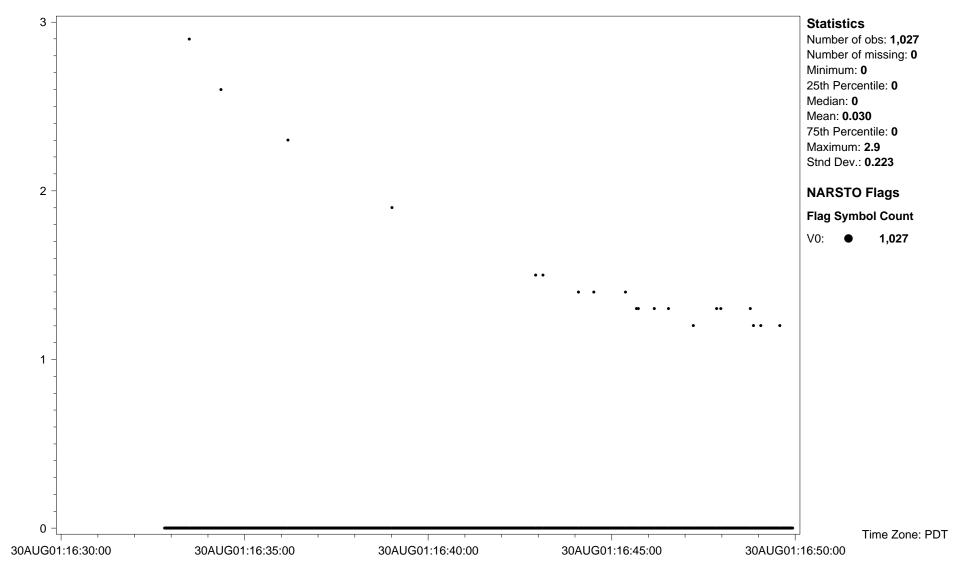
Site ID: PC01CABCCONV Variable name: Particles: count Units: number/cm3 Basis: channel 10 Sampling interval: 1 second Sampling frequency: Same as sampling interval Observation type: Particles Particle diameter--lower bound (UM): 0.730 Particle diameter--upper bound (UM): 0.930 Particle diameter--median (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



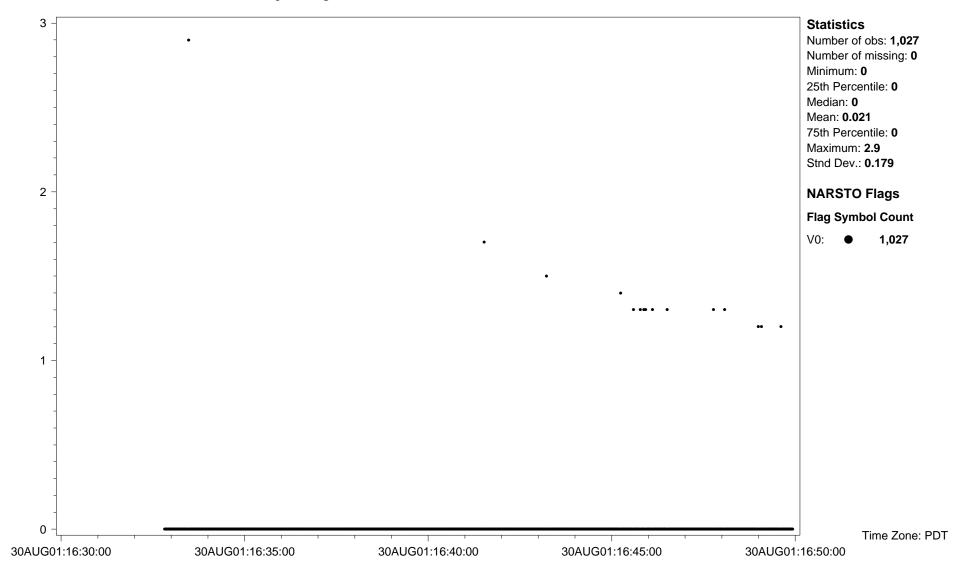
Site ID: PC01CABCCONV Variable name: Particles: count Units: number/cm3 Basis: channel 11 Sampling interval: 1 second Sampling frequency: Same as sampling interval Observation type: Particles Particle diameter--lower bound (UM): 0.930 Particle diameter--upper bound (UM): 1.200 Particle diameter--median (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



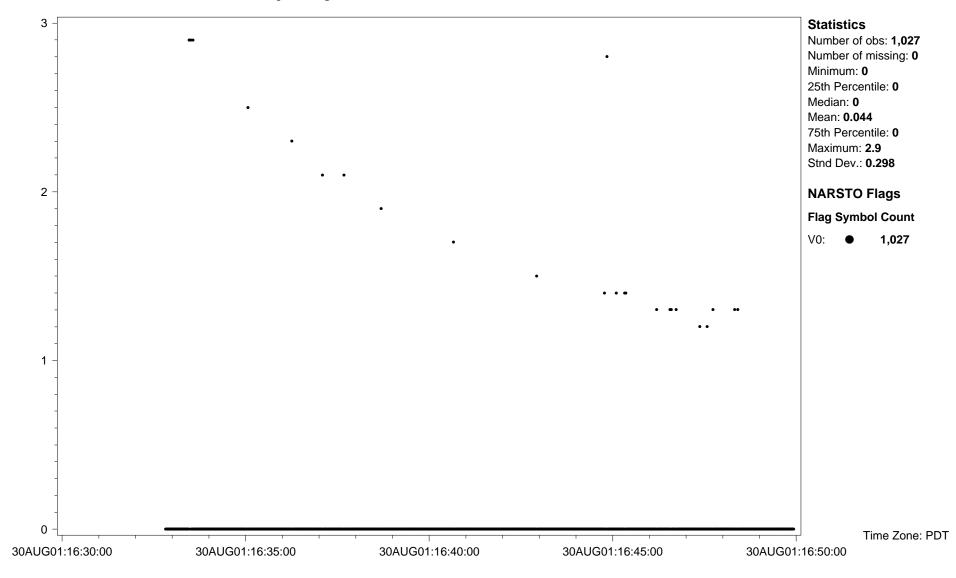
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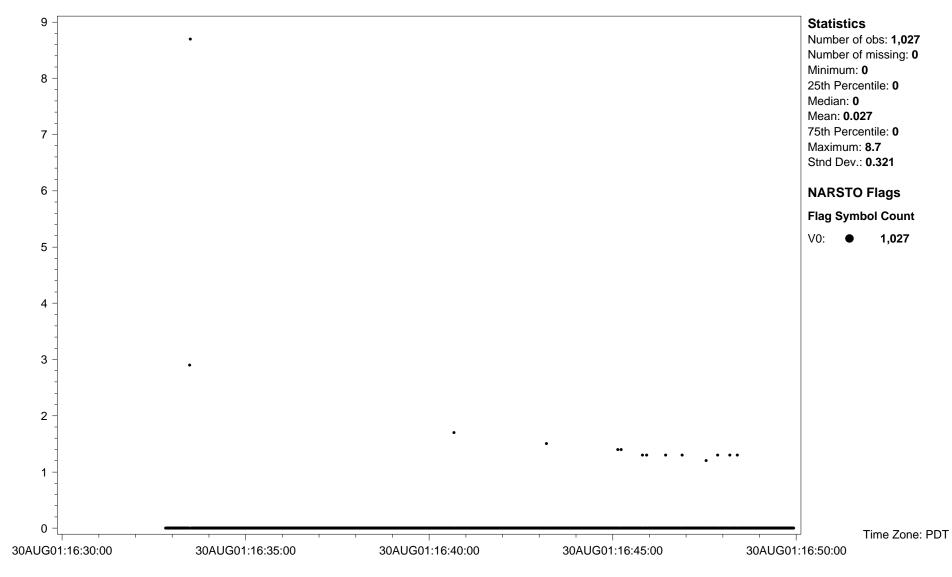
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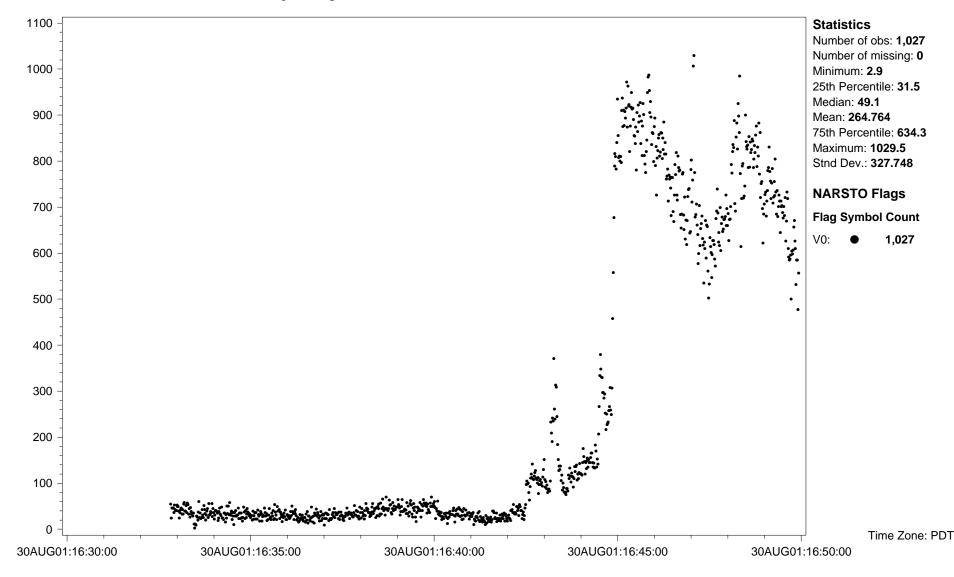
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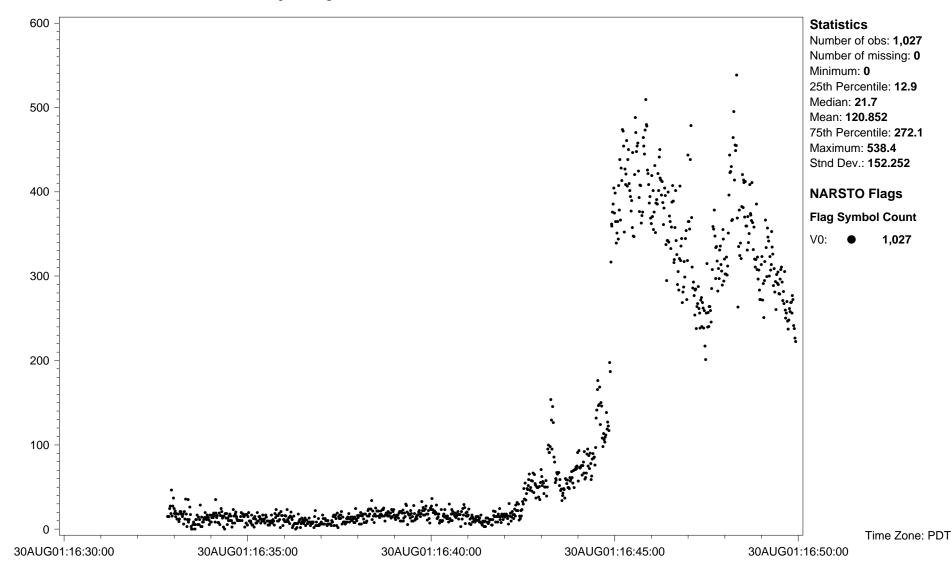
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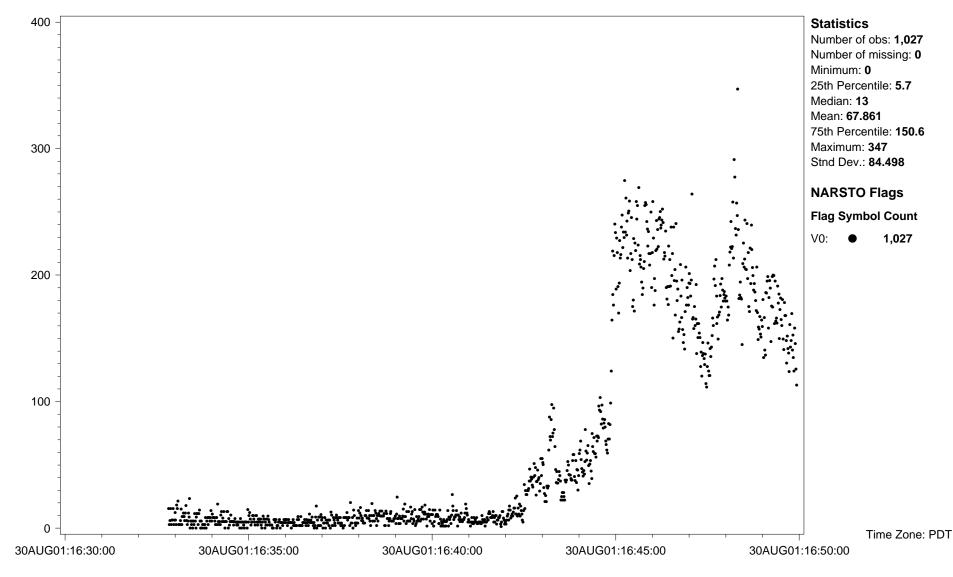
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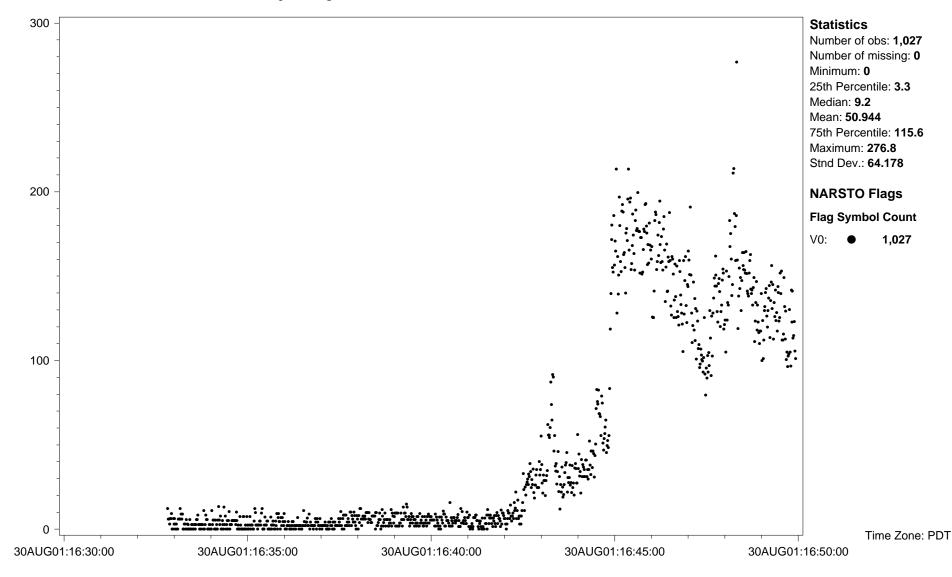
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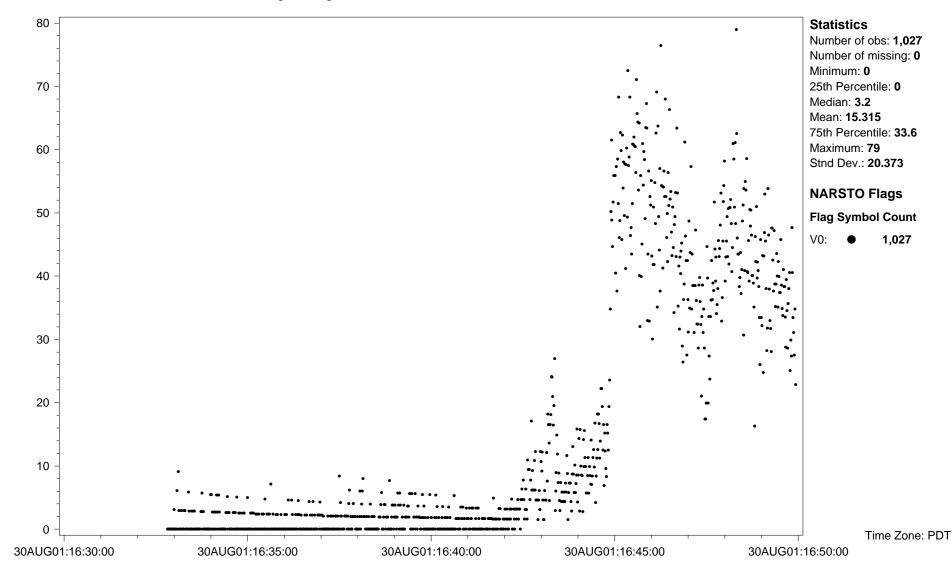
Site ID: PC01CABCCONV Variable name: Particles: count Units: number/cm3 Basis: channel 4 Sampling interval: 1 second Sampling frequency: Same as sampling interval Observation type: Particles Particle diameter--lower bound (UM): 0.190 Particle diameter--upper bound (UM): 0.220 Particle diameter--median (UM): 0.205 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



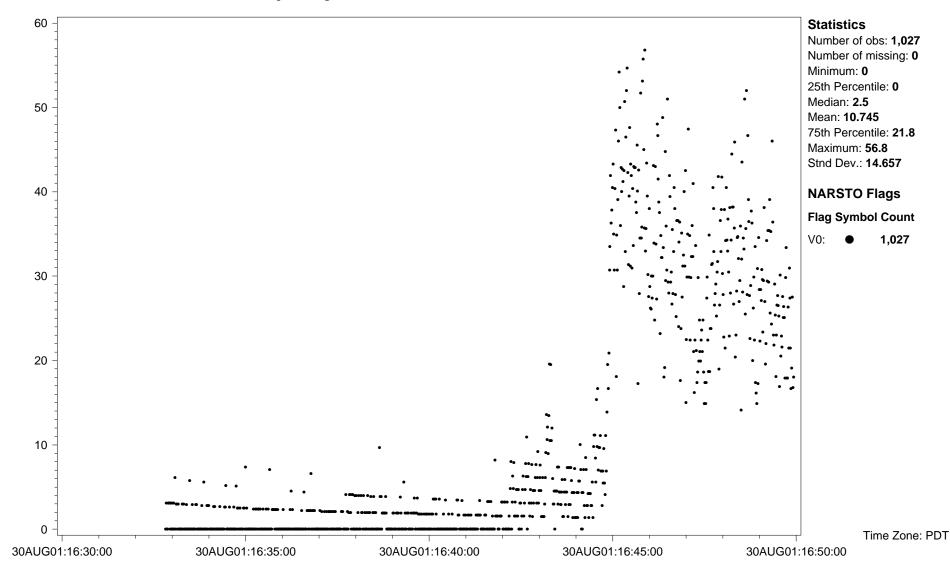
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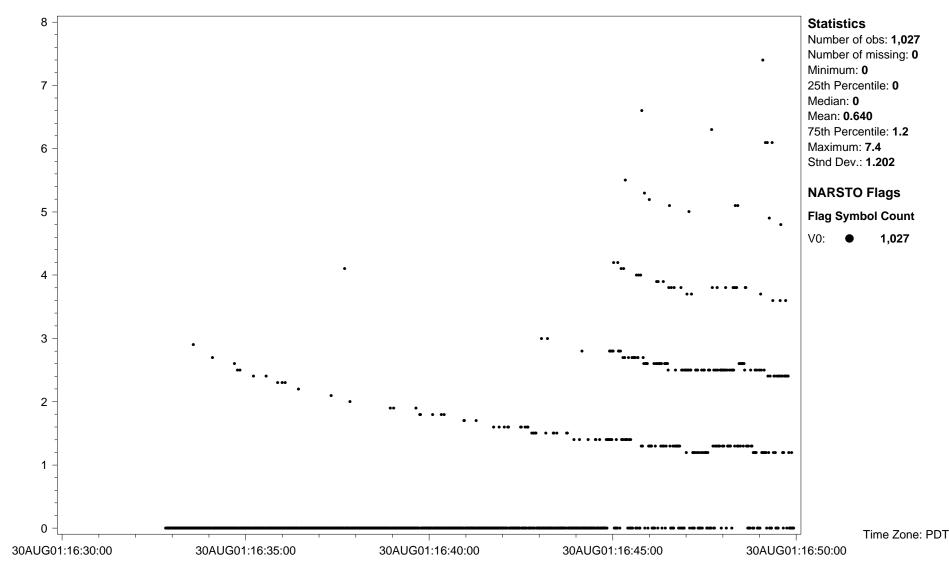
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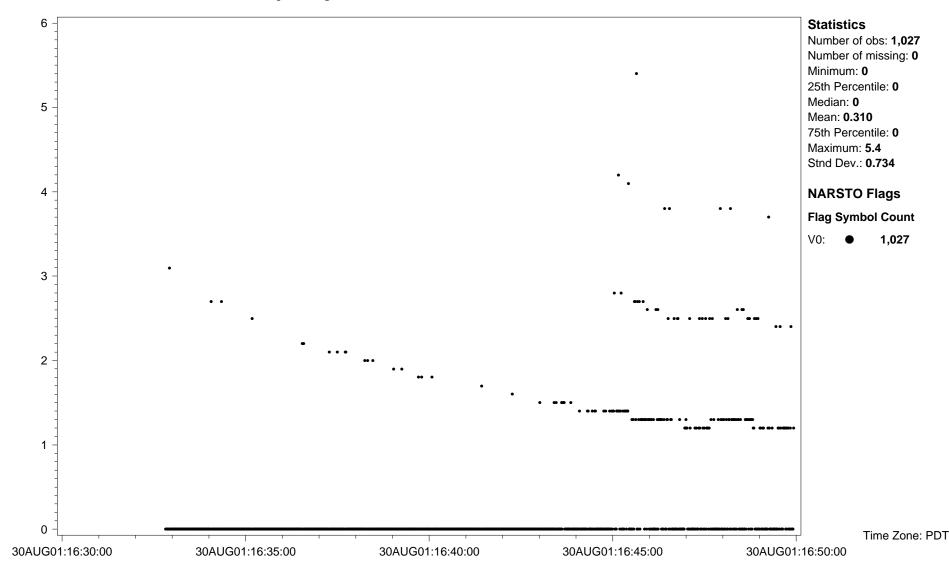
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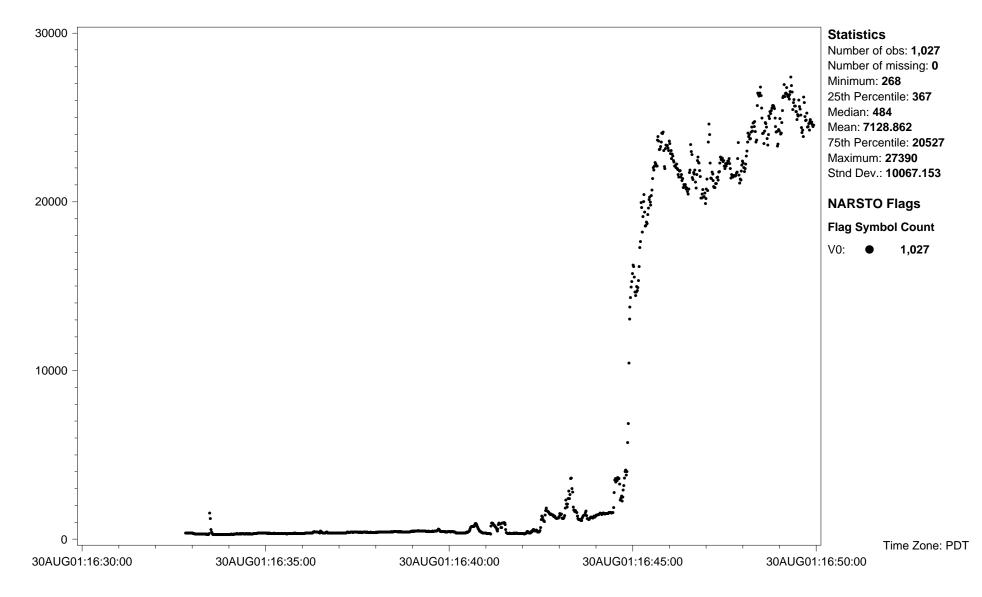
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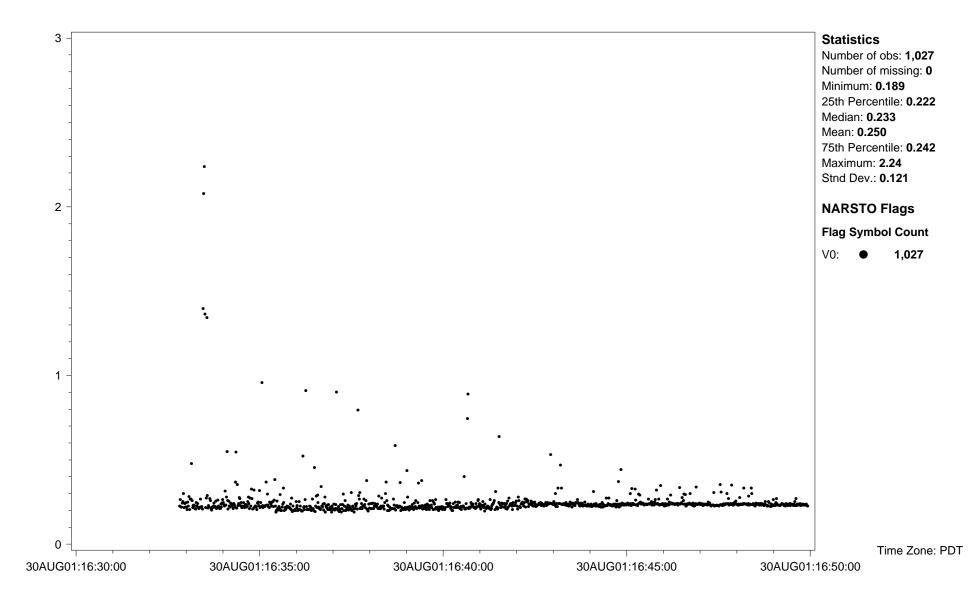
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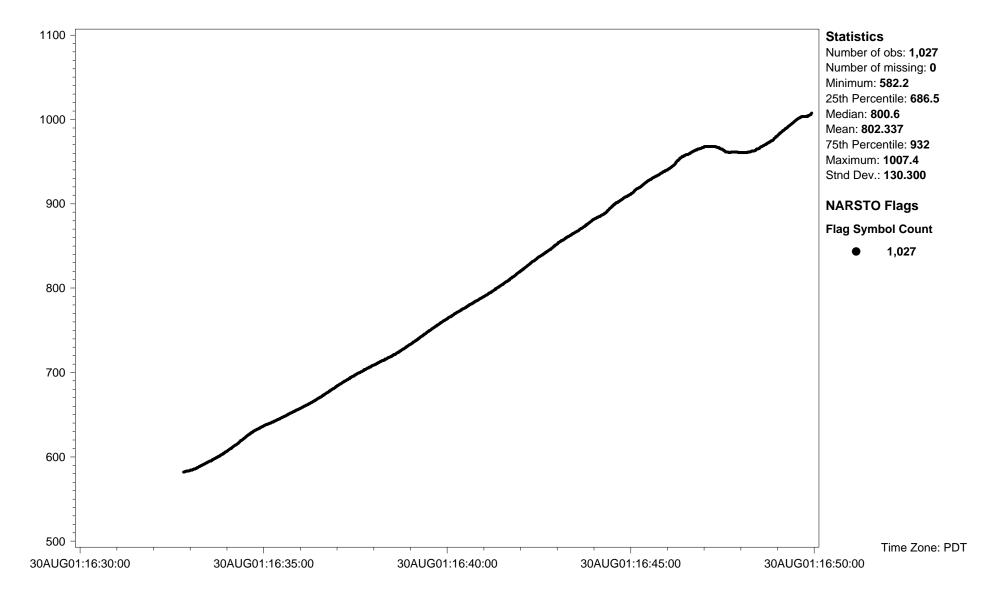
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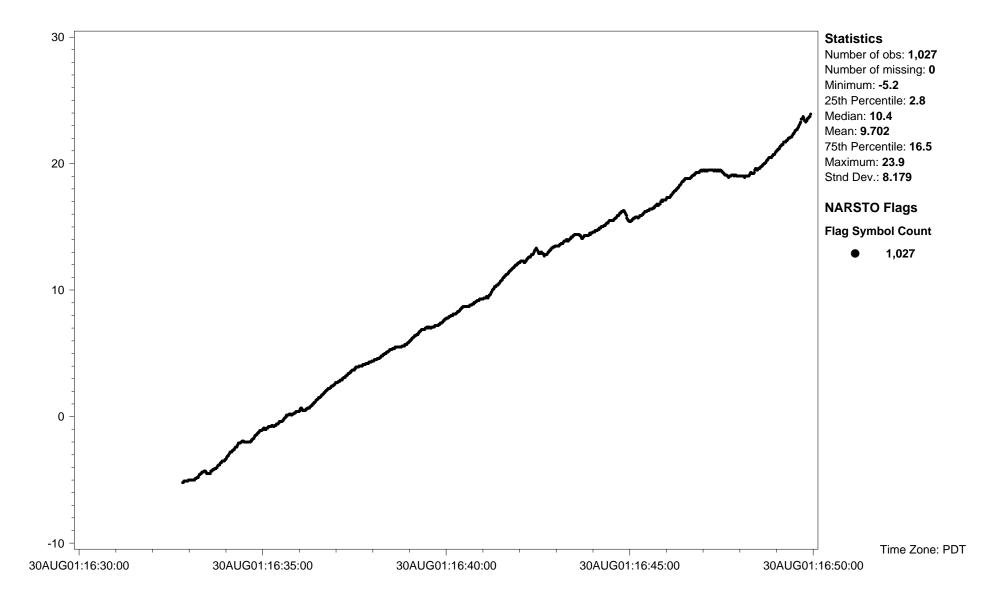
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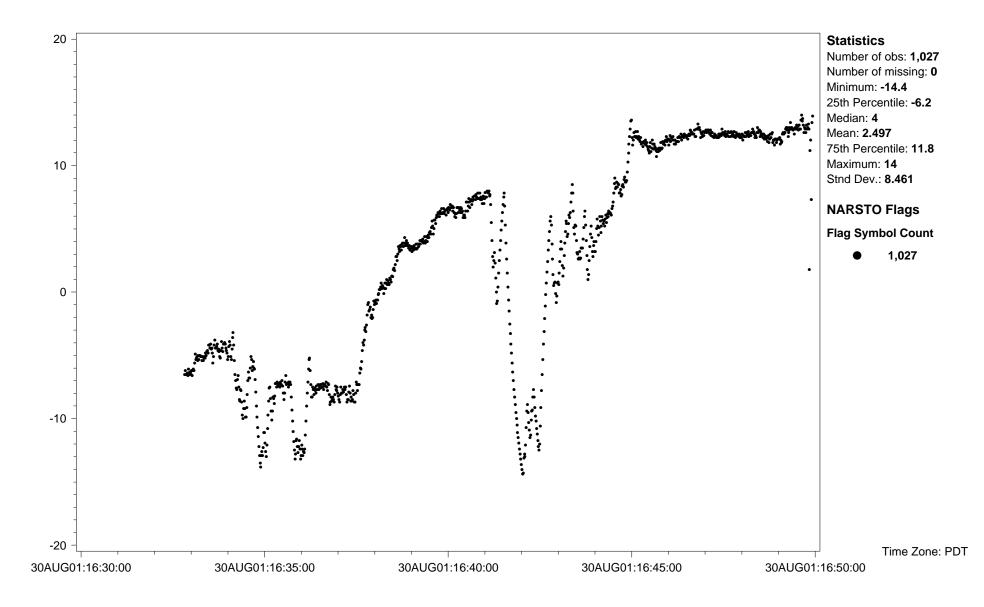
Site ID: PC01CABCCONV Variable name: Pressure: atmospheric barometric Units: mb Sampling interval: 1 second Sampling frequency: Same as sampling interval Observation type: Supplementary data Field sampling or measurement principle: Aircraft instrumentation Sampling Height above ground (m): Varies--see 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

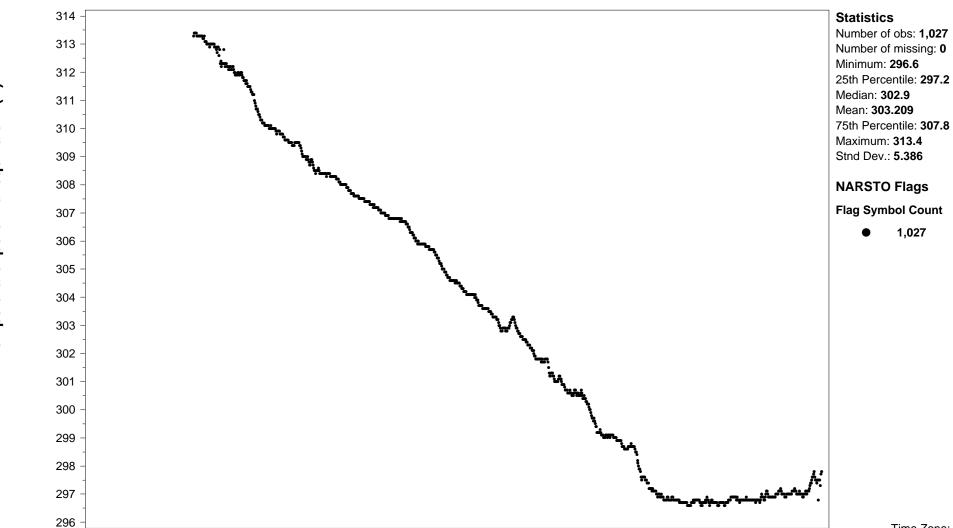


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Site ID: PC01CABCCONV Variable name: Temperature: potential equivalent Units: K Sampling interval: 1 second Sampling frequency: Same as sampling interval Observation type: Supplementary data Field sampling or measurement principle: Aircraft instrumentation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

Site Name: Convair 580, British Columbia Flight ID: Flight _09_P04 Start Date: 2001-08-14 End Date: 2001-08-30



30AUG01:16:40:00

30AUG01:16:45:00

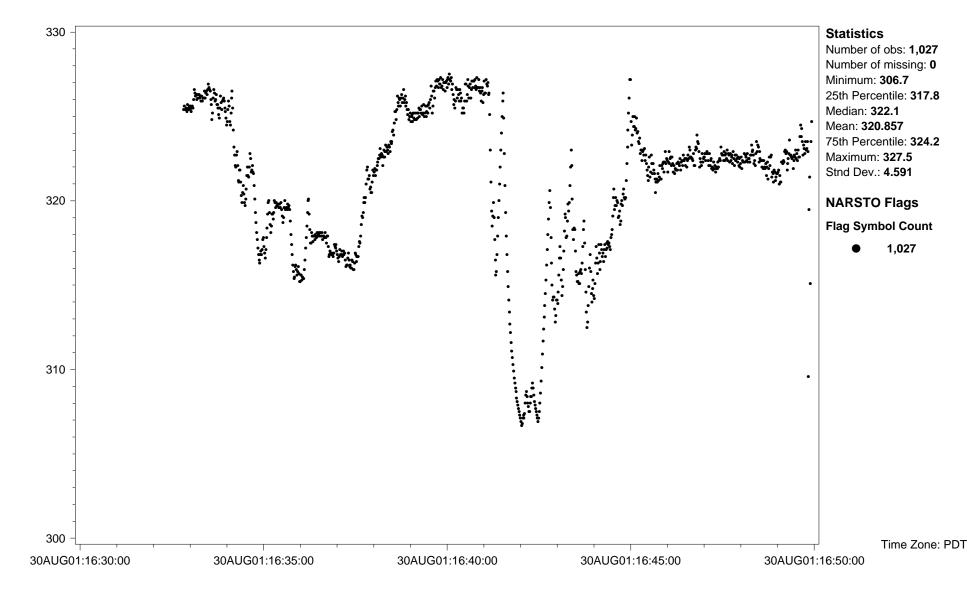
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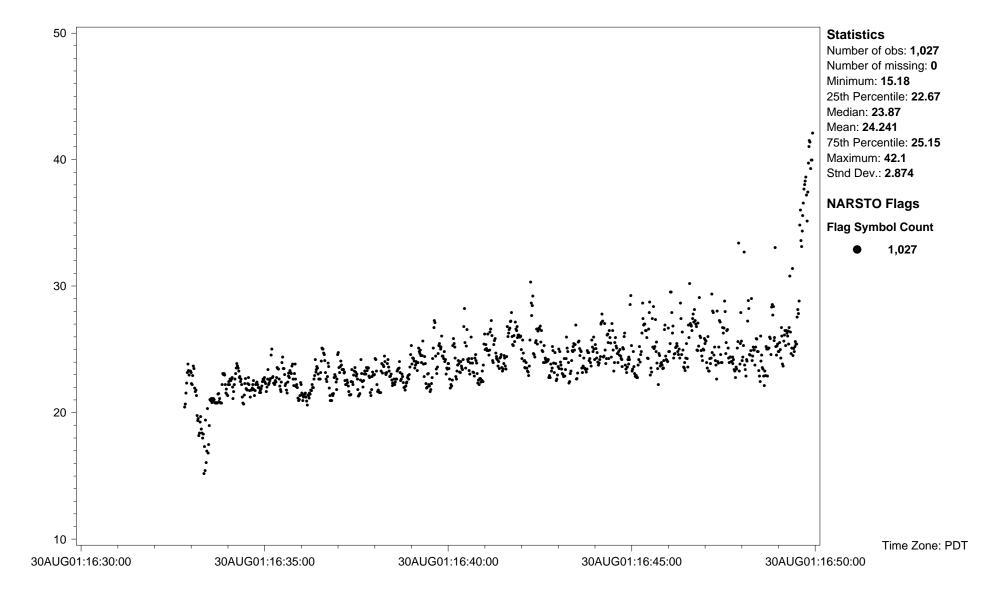
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30AUG01:16:30:00

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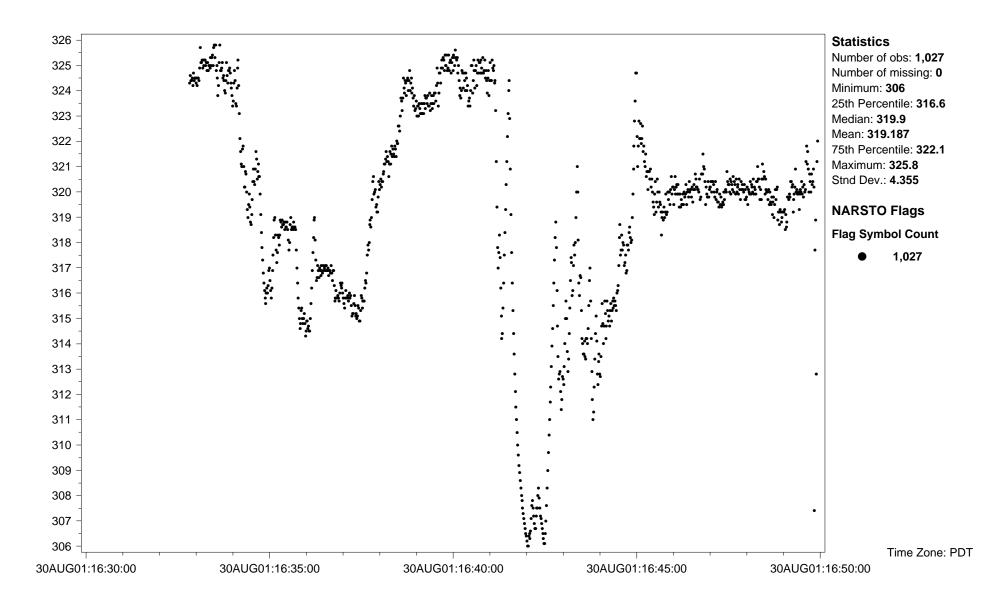


Site ID: PC01CABCCONV Variable name: Temperature: surface Units: deg C Sampling interval: 1 second Sampling frequency: Same as sampling interval Observation type: Supplementary data Field sampling or measurement principle: Radiometer Sampling Height above ground (m): Varies--see variable Alti Instrument name and model number: Barns RadiometerPRT-5 Measurement principal investigator: Dr. Shao-Meng Li



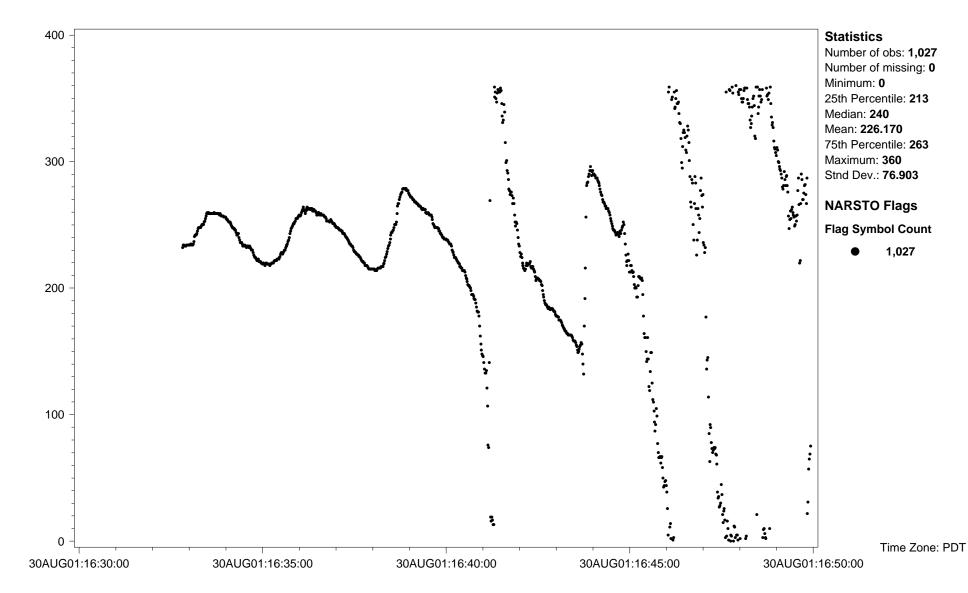
Site ID: PC01CABCCONV Variable name: Temperature: wet-equivalent potential Units: K Sampling interval: 1 second Sampling frequency: Same as sampling interval Observation type: Supplementary data Field sampling or measurement principle: Aircraft instrumentation Sampling Height above ground (m): Varies--see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

Site Name: Convair 580, British Columbia Flight ID: Flight_09_P04 Start Date: 2001-08-14 End Date: 2001-08-30



Temperature: wet-equivalent potential (K)

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

