

La Jolla, CA; AMF1 (main site for EPCAPE on Scripps Pier)
Atmospheric Radiation Measurement User Facility



ARM Data Quality Report (DQR) Table

Datastream	DQR	Quality	Subject	Start Date	End Date
epcaosacsmM1.b1	D231129.1	Missing	Missing Data	2023-11-22T16:59:18	2023-11-24T16:39:20
epcaosacsmM1.b1	D230923.1	Incorrect	Mentors On-Site for Mid-Campaign Calibration	2023-09-18T00:00:00	2023-09-22T23:59:59
epcaosacsmM1.b1	D231129.2	Incorrect	Incorrect Data	2023-11-20T04:00:00	2023-11-22T16:59:18
epcaosaeth2spotM1.a1	D230825.5	Incorrect	Instrument Light Source Failure	2023-07-25T18:20:00	2023-07-27T00:52:26
epcaosaeth2spotM1.a1	D230817.4	Incorrect	Instrument Failure	2023-08-27T01:55:00	2023-08-27T18:00:00
epcaosaeth2spotM1.a1	D230923.1	Incorrect	Mentors On-Site for Mid-Campaign Calibration	2023-09-18T00:00:00	2023-09-22T23:59:59
epcaosaeth2spotM1.a1	D231114.4	Missing	Data Not Available	2023-10-15T08:59:07	2023-10-20T21:57:59
epcaosmetM1.a1	D231114.9	Missing	Data Not Available	2023-10-15T09:00:00	2023-10-20T19:31:49
epcaosmetM1.a1	D230923.1	Incorrect	Mentors On-Site for Mid-Campaign Calibration	2023-09-18T00:00:00	2023-09-22T23:59:59
epcaosccn2colaM1.b1	D231019.1	Incorrect	Instrument Flooded	2023-11-01T18:20:03	2023-11-02T16:21:33
epcaosccn2colaM1.b1	D230923.1	Incorrect	Mentors On-Site for Mid-Campaign Calibration	2023-09-18T00:00:00	2023-09-22T23:59:59
epcaosccn2colaM1.b1	D240205.3	Incorrect	Incorrect Data	2024-01-31T20:00:00	2024-01-31T23:00:00
epcaosccn2colaM1.b1	D240103.2	Incorrect	Incorrect Flow Ratio for CCN Col A	2023-12-28T15:00:00	2023-12-28T20:00:00
epcaosccn2colaM1.b1	D230825.2	Suspect	Clock Synchronization Issue	2023-05-27T01:04:19	2023-05-30T18:22:06
epcaosccn2colaM1.b1	D231215.4	Missing	Instrument Flooded	2023-11-17T18:01:40	2023-11-21T00:30:53
epcaosccn2colaM1.b1	D231215.1	Missing	Data Not Available	2023-10-13T22:36:58	2023-11-01T18:20:03
epcaoscoM1.b1	D231114.5	Missing	Data Not Available	2023-10-15T09:00:00	2023-10-20T23:09:43
epcaoscoM1.b1	D230923.1	Incorrect	Mentors On-Site for Mid-Campaign Calibration	2023-09-18T00:00:00	2023-09-22T23:59:59
epcaospcpu1mM1.b1	D231114.6	Missing	Data Not Available	2023-10-15T08:59:31	2023-10-20T21:00:29
epcaospcpu1mM1.b1	D230913.1	Incorrect	Instrument Flow disrupted due to Power Outage	2023-09-12T23:00:00	2023-09-13T00:15:00
epcaospcpu1mM1.b1	D240102.1	Incorrect	Instrument Undergoing Service	2024-01-02T14:20:00	2024-01-02T15:00:00
epcaospcpu1mM1.b1	D230923.1	Incorrect	Mentors On-Site for Mid-Campaign Calibration	2023-09-18T00:00:00	2023-09-22T23:59:59
epcaospcpu1mM1.b1	D240205.3	Incorrect	Incorrect Data	2024-01-31T20:00:00	2024-01-31T23:00:00
epcaospcpu1mM1.b1	D230322.7	Suspect	Vacuum Supply to the Instrument is Sub-Optimal	2023-03-22T00:00:00	2023-03-22T16:00:00
epcaoshtdmaM1.a1	D230322.5	Incorrect	Water in the Instrument	2023-03-04T07:00:00	2023-03-20T20:00:00
epcaoshtdmaM1.a1	D230425.9	Incorrect	Instrument not Sampling Ambient Air	2023-04-23T16:00:00	2023-04-24T13:00:00
epcaoshtdmaM1.a1	D230923.1	Incorrect	Mentors On-Site for Mid-Campaign Calibration	2023-09-18T00:00:00	2023-09-22T23:59:59
epcaoshtdmaM1.a1	D231218.5	Incorrect	Flows not Nominal	2023-12-12T09:00:00	2023-12-16T00:00:00
epcaoshtdmaM1.a1	D230322.4	Suspect	Sample Flow Fluctuating	2023-02-11T22:00:00	2023-03-04T07:00:00
epcaoshtdmaM1.a1	D230412.6	Missing	Instrument Offline for Troubleshooting	2023-03-24T09:00:00	2023-04-11T17:30:00

ARM Data Quality Report (DQR) Table

Datastream	DQR	Quality	Subject	Start Date	End Date
epcaosnephwet1mM1.b	D231206.3	Missing	Data Missing due to Computer Failure	2023-11-20T09:59:56	2023-11-28T15:40:39
epcaosnephwet1mM1.b	D231114.10	Missing	Data Not Available	2023-10-15T08:59:31	2023-10-24T18:00:29
epcaosnephwet1mM1.b	D230519.1	Suspect	RH Cycling not Nominal	2023-03-17T16:00:00	2023-09-23T00:00:00
epcaosnephwet1mM1.b	D230923.1	Incorrect	Mentors On-Site for Mid-Campaign Calibration	2023-09-18T00:00:00	2023-09-22T23:59:59
epcaoso3M1.b1	D231114.14	Missing	Data Not Available	2023-10-15T09:00:00	2023-10-20T19:37:39
epcaoso3M1.b1	D230923.1	Incorrect	Mentors On-Site for Mid-Campaign Calibration	2023-09-18T00:00:00	2023-09-22T23:59:59
epcaospsap3w1mM1.b1	D230918.3	Incorrect	Incorrect Data	2023-09-13T01:37:48	2023-09-13T01:41:21
epcaospsap3w1mM1.b1	D230923.1	Incorrect	Mentors On-Site for Mid-Campaign Calibration	2023-09-18T00:00:00	2023-09-22T23:59:59
epcaospsap3w1mM1.b1	D231114.16	Missing	Data Not Available	2023-10-15T09:59:31	2023-10-20T19:00:29
epcaossmmpsM1.b1	D230923.1	Incorrect	Mentors On-Site for Mid-Campaign Calibration	2023-09-18T00:00:00	2023-09-22T23:59:59
epcaossmmpsM1.b1	D230702.5	Incorrect	Instrument Undergoing Weekly Check	2023-03-27T19:00:00	2023-03-27T20:00:00
epcaossmmpsM1.b1	D231217.1	Incorrect	Instrument Undergoing Weekly Check	2023-11-20T21:00:00	2023-11-20T22:00:00
epcaossmmpsM1.b1	D231009.11	Incorrect	Incorrect Data	2023-09-11T16:36:00	2023-09-11T18:24:00
epcaossmmpsM1.b1	D230916.1	Incorrect	Incorrect Data	2023-09-12T23:00:00	2023-09-13T00:30:00
epcaossmmpsM1.b1	D230302.4	Incorrect	Instrument Under Review - With Period of No Data	2023-03-01T15:00:00	2023-03-01T23:30:00
epcaossmmpsM1.b1	D240205.3	Incorrect	Incorrect Data	2024-01-31T20:00:00	2024-01-31T23:00:00
epcaossmmpsM1.b1	D230510.2	Incorrect	Instrument Undergoing On-Site Check	2023-05-10T16:00:00	2023-05-10T17:59:59
epcaossmmpsM1.b1	D230913.1	Incorrect	Instrument Flow disrupted due to Power Outage	2023-09-12T23:00:00	2023-09-13T00:15:00
epcaossmmpsM1.b1	D230514.1	Incorrect	Instrument Undergoing On-Site Check	2023-05-13T15:00:00	2023-05-14T18:30:00
epcaossmmpsM1.b1	D240127.1	Incorrect	Instrument Undergoing Weekly Check	2024-01-24T16:00:00	2024-01-24T18:00:00
epcaossmmpsM1.b1	D230322.7	Suspect	Vacuum Supply to the Instrument is Sub-Optimal	2023-03-22T00:00:00	2023-03-22T16:00:00
epcaossmmpsM1.b1	D230228.1	Suspect	Questionable Data	2023-02-17T00:00:00	2023-02-17T06:45:01
epcaossmmpsM1.b1	D230228.3	Suspect	Instrument Sample Collection Disrupted	2023-02-22T00:00:00	2023-02-25T23:59:59
epcaossmmpsM1.b1	D230702.4	Suspect	Instrument Error	2023-03-22T03:00:00	2023-03-22T16:00:00
epcaossmmpsM1.b1	D231114.18	Missing	Data Not Available	2023-10-15T08:55:01	2023-10-22T12:35:00
epcaossmmpsM1.b1	D230313.3	Missing	Data Not Available	2023-03-10T18:00:00	2023-03-10T22:00:00
epcaosso2M1.b1	D230923.1	Incorrect	Mentors On-Site for Mid-Campaign Calibration	2023-09-18T00:00:00	2023-09-22T23:59:59
epcaosso2M1.b1	D231114.20	Missing	Data Not Available	2023-10-15T10:00:00	2023-10-20T19:48:14
epcaossp2bc60sM1.b1	D230923.1	Incorrect	Mentors On-Site for Mid-Campaign Calibration	2023-09-18T00:00:00	2023-09-22T23:59:59
epcaossp2bc60sM1.b1	D231010.1	Incorrect	aossp2_counts Variable Always Reads Zero	2023-01-20T00:00:00	3001-01-01 00:00:00

ARM Data Quality Report (DQR) Table

Datastream	DQR	Quality	Subject	Start Date	End Date
epcaossp2bc60sM1.b1	D230721.10	Missing	Missing Data	2023-07-08T16:36:00	2023-07-12T15:50:00
epcaossp2bc60sM1.b1	D230613.8	Missing	No Data	2023-05-23T17:00:00	2023-06-03T10:23:00
epcaosuhsasM1.b1	D240205.3	Incorrect	Incorrect Data	2024-01-31T20:00:00	2024-01-31T23:00:00
epcaosuhsasM1.b1	D230923.1	Incorrect	Mentors On-Site for Mid-Campaign Calibration	2023-09-18T00:00:00	2023-09-22T23:59:59
epcaosuhsasM1.b1	D230718.1	Suspect	Potential Data Quality Issues above 550 nm	2023-01-15T00:00:00	2023-06-10T23:59:54

ARM Data Object Identifier (DOI) Table

Instrument	DOI
ACSM	Zawadowicz, M., Watson, T., Hayes, C., Allain, M., Salwen, C., & Behrens, B. Aerosol Chemical Speciation Monitor (AOSACSM). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1558768
AETH	Sedlacek, A., Salwen, C., Andrews, E., & Hayes, C. Aethalometer (AOSAETH2SPOT). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1211529
AOSMET	Kyrouac, J., & Tuftedal, M. Meteorological Measurements associated with the Aerosol Observing System (AOSMET). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1984920
CCN	Koontz, A., Uin, J., Andrews, E., Enekwizu, O., Hayes, C., & Salwen, C. Cloud Condensation Nuclei Particle Counter (AOSCCN2COLA). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1323892
CO-ANALYZER	Koontz, A., Springston, S., & Trojanowski, R. Carbon Monoxide Analyzer (AOSCO). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1250819
CPC	Flynn, C., Ermold, B., Andrews, E., Kuang, C., Hayes, C., Singh, A., & Salwen, C. Condensation Particle Counter (AOSPCF1M). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1398277
HTDMA	Uin, J., Cromwel, E., Hayes, C., & Salwen, C. Humidified Tandem Differential Mobility Analyzer (AOSHTDMA). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1095581
NEPHELOMETER	Uin, J., Salwen, C., Senum, G., Hayes, C., & Mayol Bracero, O. Nephelometer (AOSNEPHDRY1M). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1984586
OZONE	Springston, S., Koontz, A., & Trojanowski, R. Ozone Monitor (AOSO3). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1346692
PSAP	Ermold, B., Flynn, C., Trojanowski, R., Andrews, E., Hayes, C., Salwen, C., & Flynn, C. Particle Soot Absorption Photometer (AOSPSAP3W1M). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1225037
SMPS	Kuang, C., Singh, A., Howie, J., Salwen, C., & Hayes, C. Scanning mobility particle sizer (AOSMPS). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1476898
SO2	Trojanowski, R. Sulfur Dioxide Monitor (AOSSO2). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1250820
SP2	Jackson, R., Sedlacek, A., Salwen, C., & Hayes, C. Single Particle Soot Photometer (AOSSP2BC60S). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1807910
UHSAS	Uin, J., Senum, G., Koontz, A., Flynn, C., Salwen, C., & Hayes, C. Ultra-High Sensitivity Aerosol Spectrometer (AOSUHSAS). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1409033