

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	D230923.1	incorrect	Mentors On-Site for Mid-Campaign Calibration	20230918.000000	20230922.235959
epcaosaeth2spotM1.a1	D230923.1	incorrect	Mentors On-Site for Mid-Campaign Calibration	20230918.000000	20230922.235959
epcaosaeth2spotM1.a1	D230817.4	incorrect	Instrument Failure	20230827.015500	20230827.180000
epcaosaeth2spotM1.a1	D230825.5	incorrect	Instrument Light Source Failure	20230725.182000	20230727.005226
epcaosmetM1.a1	D230923.1	incorrect	Mentors On-Site for Mid-Campaign Calibration	20230918.000000	20230922.235959
epcaosccn2colaM1.b1	D230923.1	incorrect	Mentors On-Site for Mid-Campaign Calibration	20230918.000000	20230922.235959
epcaosccn2colaM1.b1	D230825.2	suspect	Clock Synchronization Issue	20230527.010419	20230530.182206
epcaosccn2colaM1.b1	D231019.1	incorrect	Instrument Flooded	20230929.090000	30010101.000000
epcaoscoM1.b1	D230923.1	incorrect	Mentors On-Site for Mid-Campaign Calibration	20230918.000000	20230922.235959
epcaospcpu1mM1.b1	D230923.1	incorrect	Mentors On-Site for Mid-Campaign Calibration	20230918.000000	20230922.235959
epcaospcpu1mM1.b1	D230913.1	incorrect	Instrument Flow disrupted due to Power Outage	20230912.230000	20230913.001500
epcaospcpu1mM1.b1	D230322.7	suspect	Vacuum Supply to the Instrument is Sub-Optimal	20230322.000000	20230322.160000
epcaoshtdmaM1.a1	D230923.1	incorrect	Mentors On-Site for Mid-Campaign Calibration	20230918.000000	20230922.235959
epcaoshtdmaM1.a1	D230425.9	incorrect	Instrument not Sampling Ambient Air	20230423.160000	20230424.130000
epcaoshtdmaM1.a1	D230412.6	missing	Instrument Offline for Troubleshooting	20230324.090000	20230411.173000
epcaoshtdmaM1.a1	D230322.5	incorrect	Water in the Instrument	20230304.070000	20230320.200000
epcaoshtdmaM1.a1	D230322.4	suspect	Sample Flow Fluctuating	20230211.220000	20230304.070000
epcaosnephwet1mM1.b	D230923.1	incorrect	Mentors On-Site for Mid-Campaign Calibration	20230918.000000	20230922.235959
epcaosnephwet1mM1.b	D230519.1	suspect	RH Cycling not Nominal	20230317.160000	20230923.000000
epcaoso3M1.b1	D230923.1	incorrect	Mentors On-Site for Mid-Campaign Calibration	20230918.000000	20230922.235959
epcaospsap3w1mM1.b1	D230923.1	incorrect	Mentors On-Site for Mid-Campaign Calibration	20230918.000000	20230922.235959
epcaospsap3w1mM1.b1	D230918.3	incorrect	Incorrect Data	20230913.013748	20230913.014121
epcaossmmpsM1.b1	D231009.11	incorrect	Incorrect Data	20230911.163600	20230911.182400
epcaossmmpsM1.b1	D230923.1	incorrect	Mentors On-Site for Mid-Campaign Calibration	20230918.000000	20230922.235959
epcaossmmpsM1.b1	D230913.1	incorrect	Instrument Flow disrupted due to Power Outage	20230912.230000	20230913.001500
epcaossmmpsM1.b1	D230702.5	incorrect	Instrument Undergoing Weekly Check	20230327.190000	20230327.200000
epcaossmmpsM1.b1	D230702.4	suspect	Instrument Error	20230322.030000	20230322.160000
epcaossmmpsM1.b1	D230322.7	suspect	Vacuum Supply to the Instrument is Sub-Optimal	20230322.000000	20230322.160000
epcaossmmpsM1.b1	D230313.3	missing	Data Not Available	20230310.180000	20230310.220000
epcaossmmpsM1.b1	D230302.4	incorrect	Instrument Under Review - With Period of No Data	20230301.150000	20230301.233000

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Datastream	DQR	Quality	Subject	Start Date	End Date
epcaossmmpsM1.b1	D230916.1	incorrect	Incorrect Data	20230913.020000	20230913.030000
epcaossmmpsM1.b1	D230510.2	incorrect	Instrument Undergoing On-Site Check	20230510.160000	20230510.175959
epcaossmmpsM1.b1	D230514.1	incorrect	Instrument Undergoing On-Site Check	20230513.150000	20230514.183000
epcaossmmpsM1.b1	D230228.3	suspect	Instrument Sample Collection Disrupted	20230222.000000	20230225.235959
epcaossmmpsM1.b1	D230228.1	suspect	Questionable Data	20230217.000000	20230217.064501
epcaosso2M1.b1	D230923.1	incorrect	Mentors On-Site for Mid-Campaign Calibration	20230918.000000	20230922.235959
epcaossp2bc60sM1.b1	D231010.1	incorrect	aossp2_counts Variable Always Reads Zero	20230120.000000	30010101.000000
epcaossp2bc60sM1.b1	D230923.1	incorrect	Mentors On-Site for Mid-Campaign Calibration	20230918.000000	20230922.235959
epcaossp2bc60sM1.b1	D230721.10	missing	Missing Data	20230708.163600	20230712.155000
epcaossp2bc60sM1.b1	D230613.8	missing	No Data	20230523.170000	20230603.102300
epcaosuhsasM1.b1	D230923.1	incorrect	Mentors On-Site for Mid-Campaign Calibration	20230918.000000	20230922.235959
epcaosuhsasM1.b1	D230718.1	suspect	Potential Data Quality Issues above 550 nm	20230115.000007	20230610.235954

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. 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 (AOSPP2BC60S). 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