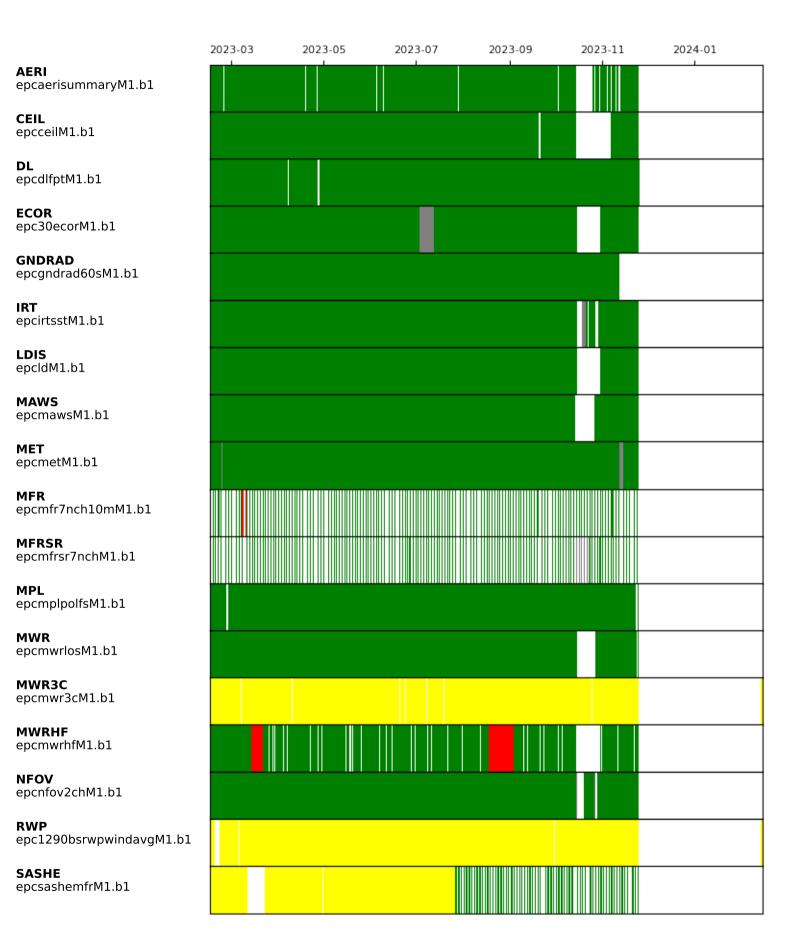
La Jolla, CA; AMF1 (main site for EPCAPE on Scripps Pier)

Atmospheric Radiation Measurement User Facility



2023-03 2023-05 2023-07 2023-09 2023-11 2024-01

SASZE

epcsaszefilterbandsM1.a1

SEBS

epcsebsM1.b1

SKYRAD

epcskyrad60sM1.b1

SONDE

epcsondewnpnM1.b1

TSI

epctsiskycoverM1.b1

VDIS

epcvdisM1.b1

WB

epcwbpluvio2M1.a1

CEILS2

epcceilS2.b1

DLS2

epcdlfptS2.b1

LDISS2

epcldS2.b1

MWR3CS2

epcmwr3cS2.b1

ORGS2

epcorgS2.b1

RAINS2

epcraintbS2.b1

ARM Data Quality Report (DQR) Table

Datastream	DQR	Quality	Subject	Start Date	End Date
epcaerisummaryM1.b1	D231114.2	missing	Data Not Available	20231026.164821	20231027.184411
epcceilM1.b1	D231009.3	missing	No Data	20230919.235959	20230921.000011
epc30ecorM1.b1	D231114.1	missing	Data Not Available	20231015.080001	20231030.135959
epc30ecorM1.b1	D230721.5	missing	Missing Pressure and Temperature	20230703.030000	20230712.202900
epcirtsstM1.b1	D231114.21	missing	Data Not Available	20231027.180000	20231029.132131
epcirtsstM1.b1	D230830.2	incorrect	Incorrect Data	20230828.212400	20230828.220500
epcldM1.b1	D231114.24	missing	Data Not Available	20231015.090601	20231030.182459
epcmawsM1.b1	D231114.25	missing	Data Not Available	20231015.001005	20231026.194305
epcmetM1.b1	D230421.2	incorrect	False Precipitation Data	20230508.154800	20230508.154959
epcmetM1.b1	D230224.6	missing	Missing Optical Rain Gauge Data	20230222.095800	20230222.202359
epcmetM1.b1	D231115.1	missing	Missing Present Weather Detector Data	20231112.095400	20231114.201900
epcmetM1.b1	D230421.4	incorrect	Incorrect Present Weather Detector Data Due to Maintenance	20230414.172000	20230414.172259
epcmfr7nch10mM1.b1	D230322.6	incorrect	Incorrect Data - Operations Test	20230307.231000	20230310.205600
epcmfrsr7nchM1.b1	D231114.26	missing	Data Not Available	20231015.085941	20231023.212239
epcmwrlosM1.b1	D231114.27	missing	Data Not Available	20231015.080034	20231027.175049
epcmwr3cM1.b1	D230813.1	suspect	Retrieval Coefficients are Non-Optimal	20230215.000000	30010101.000000
epcmwrhfM1.b1	D230925.2	incorrect	Incorrect Surface Relative Humidity	20230817.184812	20230903.183429
epcmwrhfM1.b1	D230331.7	incorrect	Intermittent Incorrect Surface Relative Humidity	20230314.000000	20230321.193200
epcnfov2chM1.b1	D231114.29	missing	Data Not Available	20231026.170000	20231028.181912
epc1290bsrwpwindavgN	D230127.12	suspect	Incorrect Data for Winds Below 3m/s	20230215.000000	20240214.235959
epcsashemfrM1.b1	D230726.1	suspect	Questionable Data	20230215.000000	20230726.235959
epcsashemfrM1.b1	D230327.4	missing	No Data	20230311.201348	20230322.173114
epcskyrad60sM1.b1	D231114.31	missing	Data Not Available	20231015.085901	20231016.194959
epcskyrad60sM1.b1	D230428.6	incorrect	Sun Tracker Failure affected by Cables Untangled and Repositioned	20230316.224400	20230317.183900
epctsiskycoverM1.b1	D230613.6	missing	Missing Data	20230525.130000	20230526.181200
epctsiskycoverM1.b1	D230303.5	suspect	Use Sunny Field with Caution	20230509.000000	20230804.155500
epcvdisM1.b1	D230915.13	missing	No Data	20230902.000000	20230902.235959
epcvdisM1.b1	D230710.6	missing	No Data	20230801.000000	20230801.235959
epcvdisM1.b1	D230412.2	missing	No Data	20230405.000000	20230405.235959
epcvdisM1.b1	D230401.1	missing	No Data	20230315.085800	20230316.235959

ARM Data Quality Report (DQR) Table

Datastream	DQR	Quality	Subject	Start Date	End Date
epcvdisM1.b1	D230908.2	incorrect	Incorrect Data	20230820.170000	20230821.235959
epcdlfptS2.b1	D230918.4	incorrect	Incorrect Azimuth Calibration	20230913.190000	20230918.235959
epcmwr3cS2.b1	D230813.2	incorrect	Incorrect PWV and LWP Retrievals	20230215.000000	30010101.000000
epcorgS2.b1	D230925.3	incorrect	ORG Diagnostic Voltage Incorrect	20230822.183000	20230925.160500
epcorgS2.b1	D230901.5	incorrect	Optical Rain Gauge Water Intrusion	20230820.200000	20230822.190059
epcorgS2.b1	D230420.1	incorrect	False Precipitation Data	20230606.220600	20230606.221059

ARM Data Object Identifier (DOI) Table

Instrument	DOI					
AERI	Gero, J., Garcia, R., Hackel, D., Ermold, B., & Gaustad, K. Atmospheric Emitted Radiance Interferometer (AERICH1). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1989299					
CEIL	Zhang, D., Morris, V., & Ermold, B. Ceilometer (CEIL10M). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1497398					
DL	Newsom, R., Shi, Y., & Krishnamurthy, R. Doppler Lidar (DLFPT). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1025185					
ECOR	Sullivan, R., Billesbach, D., Keeler, E., Ermold, B., & Pal, S. Eddy Correlation Flux Measurement System (30ECOR). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1025039					
GNDRAD	Sengupta, M., Habte, A., Andreas, A., Reda, I., Jaker, S., Xie, Y., Yang, J., Gotseff, P., Kutchenreiter, M., & Shi, Y. Ground Radiometers on Stand for Upwelling Radiation (GNDRAD60S). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1377837					
IRT	Howie, J., Morris, V., Shi, Y., & Goldberger, L. Infrared Thermometer (IRTSST). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1368196					
LDIS	Wang, D., & Shi, Y. Laser Disdrometer (LD). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1973058					
MAWS	Keeler, E., Kyrouac, J., & Ermold, B. Automatic Weather Station (MAWS). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1162061					
MET	Kyrouac, J., Shi, Y., & Tuftedal, M. Surface Meteorological Instrumentation (MET). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1786358					
MFR	Hodges, G., Herrera, C., & Ermold, B. Multifilter Radiometer (MFR7NCH10M). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1773175					
MFRSR	Hodges, G., Herrera, C., & Ermold, B. Multifilter Rotating Shadowband Radiometer (MFRSR7NCH). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1429369					
MPL	Muradyan, P., Cromwell, E., Koontz, A., Coulter, R., Flynn, C., Ermold, B., & OBrien, J. Micropulse Lidar (MPLPOLFS). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1320657					
MWR	Cadeddu, M., & Tuftedal, M. Microwave Radiometer (MWRLOS). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1999490					
MWR3C	Cadeddu, M., Gibler, G., Koontz, A., & Tuftedal, M. Microwave Radiometer, 3 Channel (MWR3C). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1025248					
MWRHF	Cadeddu, M., & Tuftedal, M. Microwave Radiometer - High Frequency (MWRHF). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1986428					
NFOV	Hodges, G., Herrera, C., & Koontz, A. Narrow Field of View Zenith Radiometer (NFOV2CH). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1344560					
RWP	Muradyan, P. Radar Wind Profiler (1290BSRWPWINDAVG). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1973738					

ARM Data Object Identifier (DOI) Table

Instrument	DOI
SASHE	Flynn, C., & Shi, Y. Shortwave Array Spectroradiometer-Hemispheric (SASHEMFR). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1975392
SASZE	Flynn, C., Ermold, B., & Shi, Y. Shortwave Array Spectroradiometer-Zenith (SASZEFILTERBANDS). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1150264
SEBS	Sullivan, R., Keeler, E., Pal, S., & Kyrouac, J. Surface Energy Balance System (SEBS). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1984921
SKYRAD	Sengupta, M., Habte, A., Andreas, A., Reda, I., Jaker, S., Xie, Y., Yang, J., Gotseff, P., Kutchenreiter, M., & Shi, Y. Sky Radiometers on Stand for Downwelling Radiation (SKYRAD60S). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1377836
SONDE	Keeler, E., Burk, K., & Kyrouac, J. Balloon-Borne Sounding System (SONDEWNPN). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1595321
TSI	Flynn, D., & Morris, V. Total Sky Imager (TSISKYCOVER). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1992207
VDIS	Wang, D. Video Disdrometer (VDIS). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1992988
WB	Wang, D., Jane, M., Cromwell, E., Sturm, M., Irving, K., Delamere, J., & Mockaitis, M. Weighing Bucket Precipitation Gauge (WBPLUVIO2). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1338194
CEILS2	N/A
DLS2	N/A
LDISS2	N/A
MWR3CS2	N/A
ORGS2	N/A
RAINS2	N/A