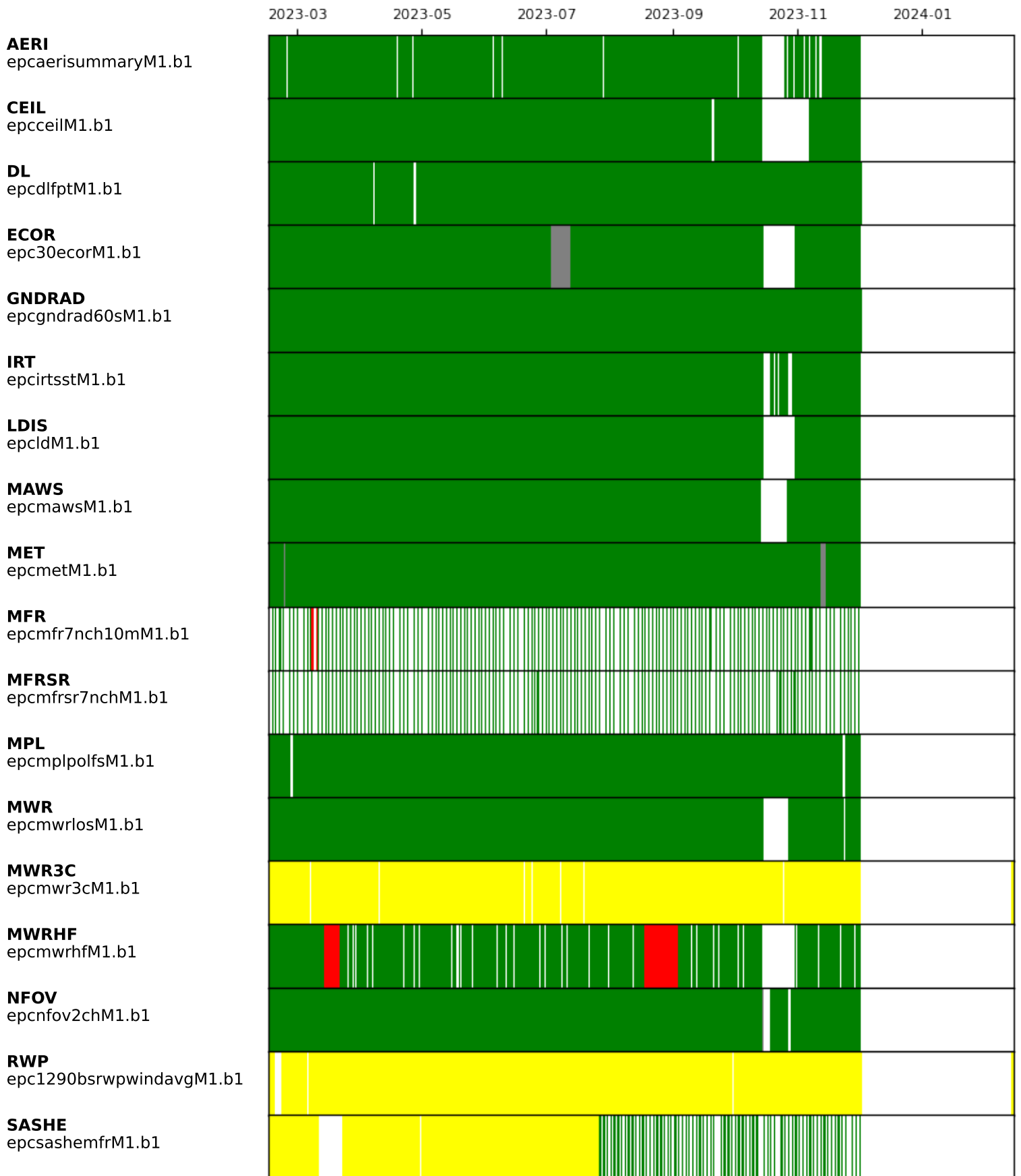


La Jolla, CA; AMF1 (main site for EPCAPE on Scripps Pier)
Atmospheric Radiation Measurement User Facility





ARM Data Quality Report (DQR) Table

| Datastream | DQR | Quality | Subject | Start Date | End Date |
|--------------------------|------------|-----------|---|-----------------|-----------------|
| epcaerisummaryM1.b1 | D231114.2 | missing | Data Not Available | 20231026.164821 | 20231027.184411 |
| epcceilM1.b1 | D231129.6 | missing | Data Not Available | 20231014.235952 | 20231106.191619 |
| 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 | D231130.8 | missing | Data Not Available | 20231027.180000 | 20231029.132131 |
| 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 |
| 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 | D231130.9 | missing | Data Not Available | 20231014.235955 | 20231030.143546 |
| 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 | D231130.12 | missing | Data Not Available | 20231027.170000 | 20231028.181912 |
| epcnfov2chM1.b1 | D231114.29 | missing | Data Not Available | 20231027.170000 | 20231028.181912 |
| epc1290bsrwpwindavgM1.b1 | 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 | 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 | D231124.1 | suspect | Use Sunny Field with Caution | 20230919.000000 | 20230923.171900 |
| 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 |

ARM Data Quality Report (DQR) Table

| Datastream | DQR | Quality | Subject | Start Date | End Date |
|---------------|-----------|-----------|------------------------------------|-----------------|-----------------|
| 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 |
| epcvdisM1.b1 | D230908.2 | incorrect | Incorrect Data | 20230820.170000 | 20230821.235959 |
| epcdfptS2.b1 | D231130.5 | missing | Data Not Available | 20231007.175404 | 20231013.131710 |
| epcdfptS2.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 (SONDEWNP). 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 |