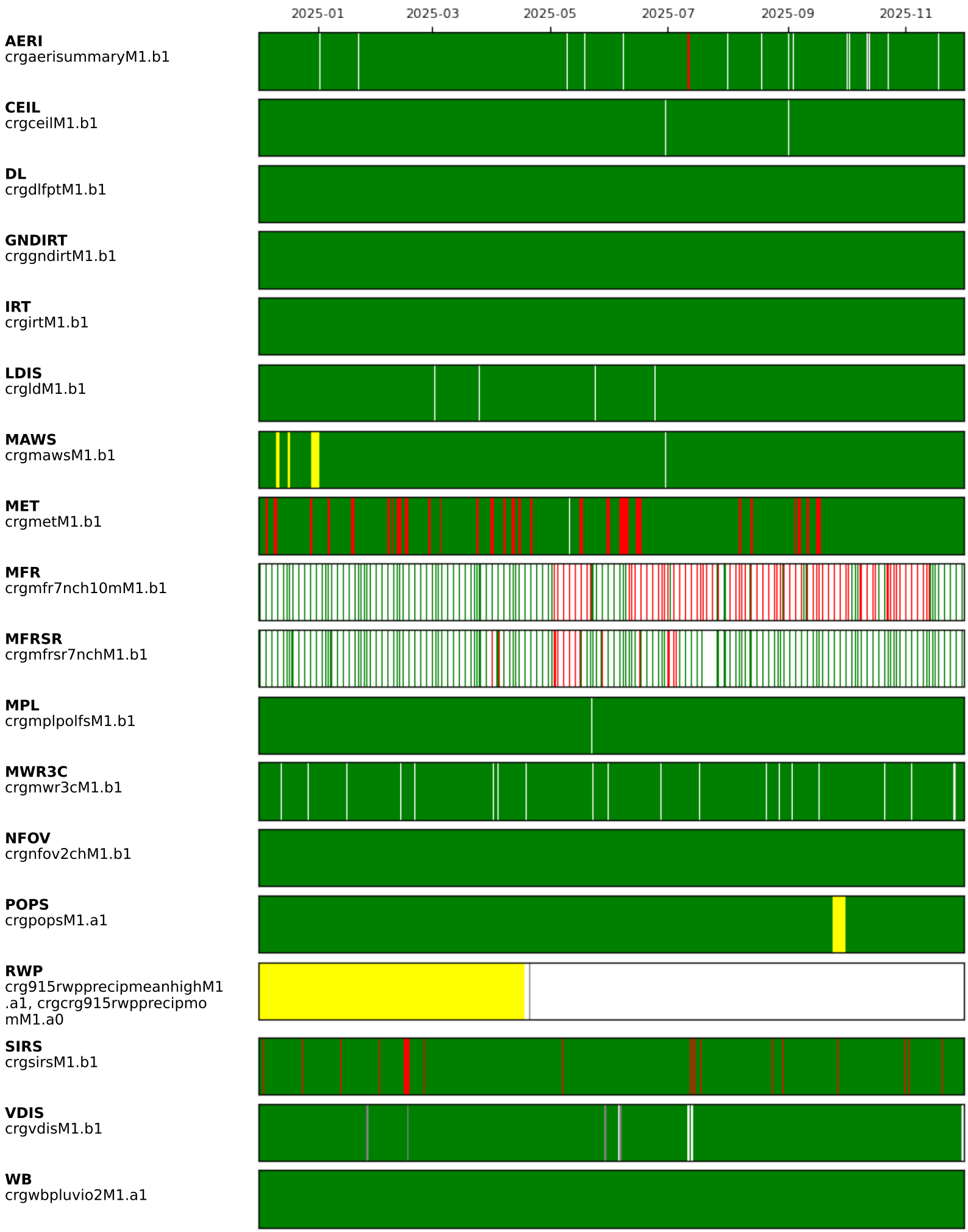


Baltimore, MD; AMF1 (main site for CoURAGE)
Atmospheric Radiation Measurement User Facility



ARM Data Quality Report (DQR) Table

| Datastream | DQR | Quality | Subject | Start Date | End Date |
|----------------------|------------|-----------|---|---------------------|---------------------|
| crgaerisummaryM1.b1 | D250808.9 | Incorrect | Mirror not Rotating Between Sky and Blackbody Views | 2025-07-11T00:00:00 | 2025-07-11T23:59:59 |
| crgaerisummaryM1.b1 | D251014.7 | Missing | AERI Metrology Laser Failure | 2025-10-11T19:43:00 | 2025-10-13T18:35:00 |
| crggndirtM1.b1 | D250828.3 | Incorrect | Incorrect Data | 2025-08-26T16:30:00 | 2025-08-26T21:20:00 |
| crgmawsM1.b1 | D250123.11 | Suspect | RH Above 100% | 2024-12-10T11:40:00 | 2024-12-11T19:15:00 |
| crgmetM1.b1 | D250512.9 | Incorrect | Tipping Bucket Rain Gauge Failing | 2025-04-11T00:00:00 | 2025-04-12T23:59:59 |
| crgmetM1.b1 | D251015.2 | Incorrect | Tipping Bucket Rain Gauge Precipitation Incorrect | 2025-09-06T00:00:00 | 2025-09-07T23:59:59 |
| crgmetM1.b1 | D250627.3 | Incorrect | Humidity Data Incorrect | 2025-06-14T01:50:00 | 2025-06-17T14:39:59 |
| crgmetM1.b1 | D251015.1 | Incorrect | Optical Rain Gauge False Precipitation | 2025-09-24T12:39:00 | 2025-09-24T15:25:59 |
| crgmetM1.b1 | D250519.4 | Incorrect | Tipping Bucket Rain Gauge Clogged | 2025-05-16T00:00:00 | 2025-05-17T23:59:59 |
| crgmfr7nch10mM1.b1 | D251125.4 | Incorrect | Incorrect Data | 2025-06-10T05:59:40 | 2025-10-02T23:19:20 |
| crgmfr7nch10mM1.b1 | D250527.7 | Incorrect | Incorrect Data | 2025-05-03T09:08:20 | 2025-05-23T06:00:00 |
| crgmfrsr7nchM1.b1 | D250714.11 | Incorrect | Incorrect Data | 2025-07-02T06:02:41 | 2025-07-05T16:52:59 |
| crgmfrsr7nchM1.b1 | D250826.6 | Incorrect | Incorrect Data | 2025-07-01T20:00:40 | 2025-07-02T06:04:20 |
| crgmfrsr7nchM1.b1 | D250411.8 | Incorrect | Incorrect Data | 2025-04-01T04:53:00 | 2025-04-04T18:53:00 |
| crgmfrsr7nchM1.b1 | D250516.11 | Incorrect | Incorrect Data | 2025-05-03T23:39:20 | 2025-05-16T15:14:40 |
| crgpopsM1.a1 | D251104.17 | Suspect | Pump Circuit Failure - Flow Starts to Vary | 2025-09-24T04:14:00 | 2025-09-30T19:50:00 |
| crg915rwpprecipmeanh | D250225.5 | Suspect | Questionable Data | 2024-12-01T00:00:00 | 2025-04-17T14:00:00 |
| crg915rwpprecipmeanh | D250528.7 | Missing | Missing Data | 2025-04-17T14:00:00 | 2025-04-20T18:41:24 |
| crgsirsM1.b1 | D241231.6 | Incorrect | Incorrect Data | 2025-09-27T22:25:00 | 2025-09-27T22:54:47 |
| crgvdisM1.b1 | D250611.3 | Missing | Missing Data | 2025-05-29T00:00:00 | 2025-05-29T23:59:59 |
| crgvdisM1.b1 | D250225.4 | Missing | Missing Data | 2025-02-16T00:00:00 | 2025-02-16T23:59:59 |
| crgvdisM1.b1 | D250204.6 | Missing | Missing Data | 2025-01-26T00:00:00 | 2025-01-26T23:59:59 |
| crgwbpluvio2M1.a1 | D250527.1 | Incorrect | Incorrect Data | 2025-05-22T13:00:00 | 2025-05-22T15:00:00 |

ARM Data Object Identifier (DOI) Table

| Instrument | DOI |
|------------|--|
| AERI | Gero, J., Garcia, R., Hackel, D., Ermold, B., & Gaustad, K. Atmospheric Emitted Radiance Interferometer (AERICH1), 2024-12-01 to 2025-11-30, ARM Mobile Facility (CRG), Baltimore, MD; AMF1 (main site for CoURAGE) (M1). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1989299 |
| CEIL | Zhang, D., Morris, V., & Ermold, B. Ceilometer (CEIL10M), 2024-12-01 to 2025-11-30, ARM Mobile Facility (CRG), Baltimore, MD; AMF1 (main site for CoURAGE) (M1). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1497398 |
| DL | Newsom, R., Shi, Y., & Krishnamurthy, R. Doppler Lidar (DLCAL2), 2024-12-01 to 2025-11-30, ARM Mobile Facility (CRG), Baltimore, MD; AMF1 (main site for CoURAGE) (M1). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1025184 |
| GNDIRT | N/A |
| IRT | Howie, J., Shi, Y., Goldberger, L., & Morris, V. Infrared Thermometer (GNDIRT), 2024-12-01 to 2025-11-30, ARM Mobile Facility (CRG), Baltimore, MD; AMF1 (main site for CoURAGE) (M1). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1366509 |
| LDIS | Zhu, Z., & Shi, Y. Laser Disdrometer (LD), 2024-12-01 to 2025-11-30, ARM Mobile Facility (CRG), Baltimore, MD; AMF1 (main site for CoURAGE) (M1). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1973058 |
| MAWS | Keeler, E., Kyroutac, J., & Ermold, B. Automatic Weather Station (MAWS), 2024-12-01 to 2025-11-30, ARM Mobile Facility (CRG), Baltimore, MD; AMF1 (main site for CoURAGE) (M1). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1162061 |
| MET | Kyroutac, J., Shi, Y., & Tuftedal, M. Surface Meteorological Instrumentation (MET), 2024-12-01 to 2025-11-30, ARM Mobile Facility (CRG), Baltimore, MD; AMF1 (main site for CoURAGE) (M1). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1786358 |
| MFR | Hodges, G., Sheffer, B., Herrera, C., & Ermold, B. Multifilter Radiometer (MFR7NCH10M), 2024-12-01 to 2025-11-30, ARM Mobile Facility (CRG), Baltimore, MD; AMF1 (main site for CoURAGE) (M1). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1773175 |
| MFRSR | Hodges, G., Sheffer, B., Herrera, C., & Ermold, B. Multifilter Rotating Shadowband Radiometer (MFRSR7NCH), 2024-12-01 to 2025-11-30, ARM Mobile Facility (CRG), Baltimore, MD; AMF1 (main site for CoURAGE) (M1). 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), 2024-12-01 to 2025-11-30, ARM Mobile Facility (CRG), Baltimore, MD; AMF1 (main site for CoURAGE) (M1). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1320657 |
| MWR3C | Cadeddu, M., Gibler, G., Koontz, A., & Tuftedal, M. Microwave Radiometer, 3 Channel (MWR3C), 2024-12-01 to 2025-11-30, ARM Mobile Facility (CRG), Baltimore, MD; AMF1 (main site for CoURAGE) (M1). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1025248 |
| NFOV | Hodges, G., Herrera, C., & Koontz, A. Narrow Field of View Zenith Radiometer (NFOV2CH), 2024-12-01 to 2025-11-30, ARM Mobile Facility (CRG), Baltimore, MD; AMF1 (main site for CoURAGE) (M1). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1344560 |
| POPS | Petters, S., & Petters, M. portable or printed optical particle spectrometer (POPS), 2024-12-01 to 2025-11-30, ARM Mobile Facility (CRG), Baltimore, MD; AMF1 (main site for CoURAGE) (M1). Atmospheric Radiation Measurement (ARM) User Facility. |
| RWP | Muradyan, P. Radar Wind Profiler (915RWPPRECIPCON), 2024-12-01 to 2025-11-30, ARM Mobile Facility (CRG), Baltimore, MD; AMF1 (main site for CoURAGE) (M1). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1993732 |
| SIRS | Sengupta, M., Xie, Y., Jaker, S., Yang, J., Reda, I., Andreas, A., Habte, A., & Shi, Y. Solar and Infrared Radiation Station for Downwelling and Upwelling Radiation (SIRS), 2024-12-01 to 2025-11-30, ARM Mobile Facility (CRG), Baltimore, MD; AMF1 (main site for CoURAGE) (M1). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1475460 |
| VDIS | Zhu, Z. Video Disdrometer (VDIS), 2024-12-01 to 2025-11-30, ARM Mobile Facility (CRG), Baltimore, MD; AMF1 (main site for CoURAGE) (M1). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1992988 |

ARM Data Object Identifier (DOI) Table

| Instrument | DOI |
|------------|---|
| WB | Zhu, Z., Wang, D., Jane, M., Cromwell, E., Sturm, M., Irving, K., & Delamere, J. Weighing Bucket Precipitation Gauge (WBPLUVIO2), 2024-12-01 to 2025-11-30, ARM Mobile Facility (CRG), Baltimore, MD; AMF1 (main site for CoURAGE) (M1). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1338194 |