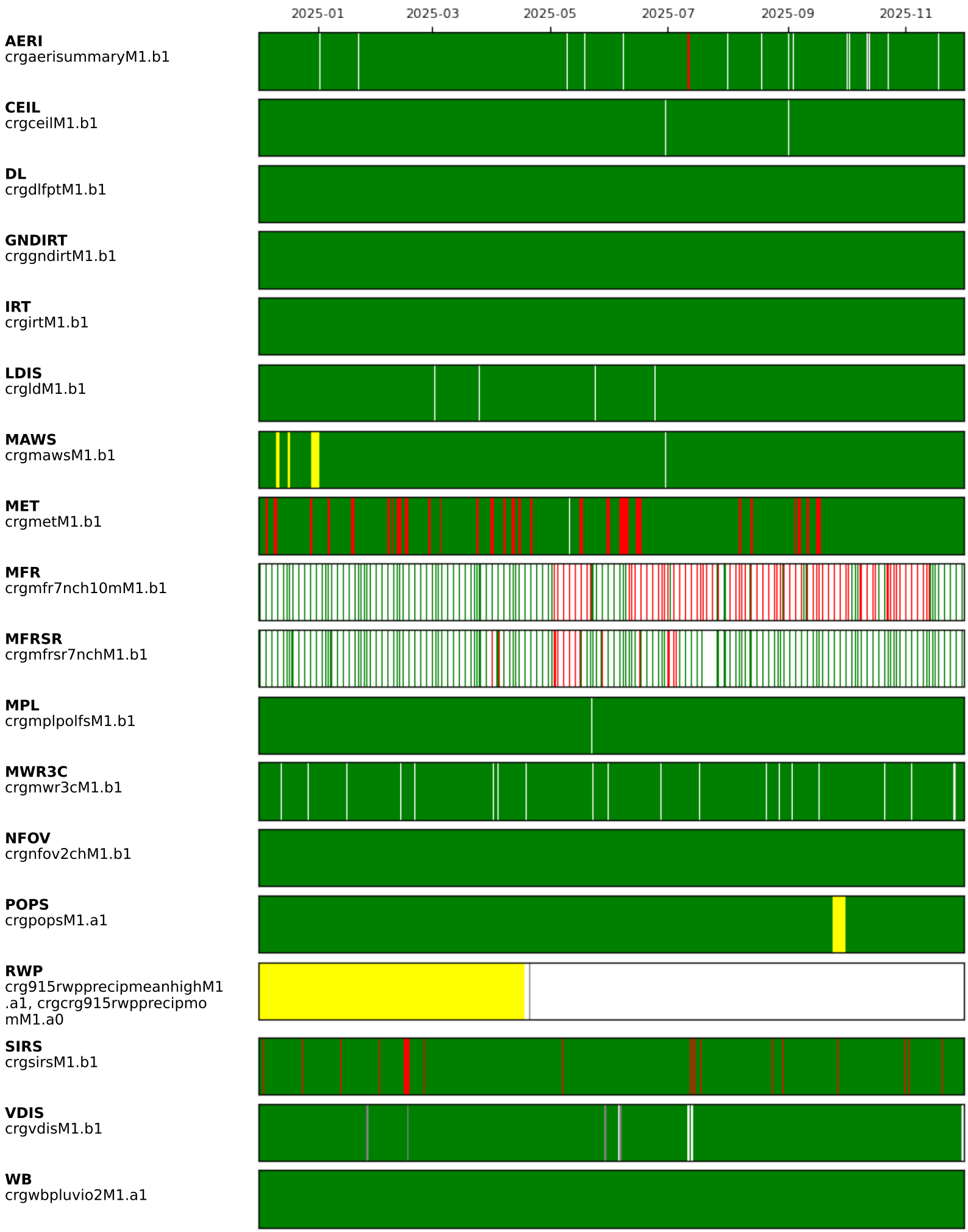


Baltimore, MD; AMF1 (main site for CoURAGE)  
Atmospheric Radiation Measurement User Facility



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. <a href="https://doi.org/10.5439/1989299">https://doi.org/10.5439/1989299</a>   |
| 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. <a href="https://doi.org/10.5439/1497398">https://doi.org/10.5439/1497398</a>  |
| 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. <a href="https://doi.org/10.5439/1025184">https://doi.org/10.5439/1025184</a>   |
| 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. <a href="https://doi.org/10.5439/1366509">https://doi.org/10.5439/1366509</a>  |
| 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. <a href="https://doi.org/10.5439/1973058">https://doi.org/10.5439/1973058</a>   |
| 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. <a href="https://doi.org/10.5439/1162061">https://doi.org/10.5439/1162061</a>   |
| 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. <a href="https://doi.org/10.5439/1786358">https://doi.org/10.5439/1786358</a>  |
| 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. <a href="https://doi.org/10.5439/1773175">https://doi.org/10.5439/1773175</a>  |
| 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. <a href="https://doi.org/10.5439/1429369">https://doi.org/10.5439/1429369</a>   |
| 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. <a href="https://doi.org/10.5439/1320657">https://doi.org/10.5439/1320657</a>  |
| 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. <a href="https://doi.org/10.5439/1025248">https://doi.org/10.5439/1025248</a>   |
| 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. <a href="https://doi.org/10.5439/1344560">https://doi.org/10.5439/1344560</a>  |
| 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. <a href="https://doi.org/10.5439/1993732">https://doi.org/10.5439/1993732</a>  |
| 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. <a href="https://doi.org/10.5439/1475460">https://doi.org/10.5439/1475460</a> |
| 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. <a href="https://doi.org/10.5439/1992988">https://doi.org/10.5439/1992988</a>  |

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. <a href="https://doi.org/10.5439/1338194">https://doi.org/10.5439/1338194</a> |