

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>