

# 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	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
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), 2024-11-01 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), 2024-11-01 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), 2024-11-01 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), 2024-11-01 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), 2024-11-01 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., Kyrouac, J., & Ermold, B. Automatic Weather Station (MAWS), 2024-11-01 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	Kyrouac, J., Shi, Y., & Tuftedal, M. Surface Meteorological Instrumentation (MET), 2024-11-01 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), 2024-11-01 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), 2024-11-01 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., & O'Brien, J. Micropulse Lidar (MPLPOLFS), 2024-11-01 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), 2024-11-01 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), 2024-11-01 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), 2024-11-01 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), 2024-11-01 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), 2024-11-01 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), 2024-11-01 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), 2024-11-01 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>