

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	2025-07-02T06:02:43	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. https://doi.org/10.5439/1989299
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. https://doi.org/10.5439/1497398
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. https://doi.org/10.5439/1025184
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. https://doi.org/10.5439/1366509
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. https://doi.org/10.5439/1973058
MAWS	Keeler, E., Kyroutac, 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. https://doi.org/10.5439/1162061
MET	Kyroutac, 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. https://doi.org/10.5439/1786358
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. https://doi.org/10.5439/1773175
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. https://doi.org/10.5439/1429369
MPL	Muradyan, P., Cromwell, E., Koontz, A., Coulter, R., Flynn, C., Ermold, B., & OBrien, J. Micropulse Lidar (MPLPOLFS), 2024-11-01 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), 2024-11-01 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), 2024-11-01 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), 2024-11-01 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. 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), 2024-11-01 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), 2024-11-01 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), 2024-11-01 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