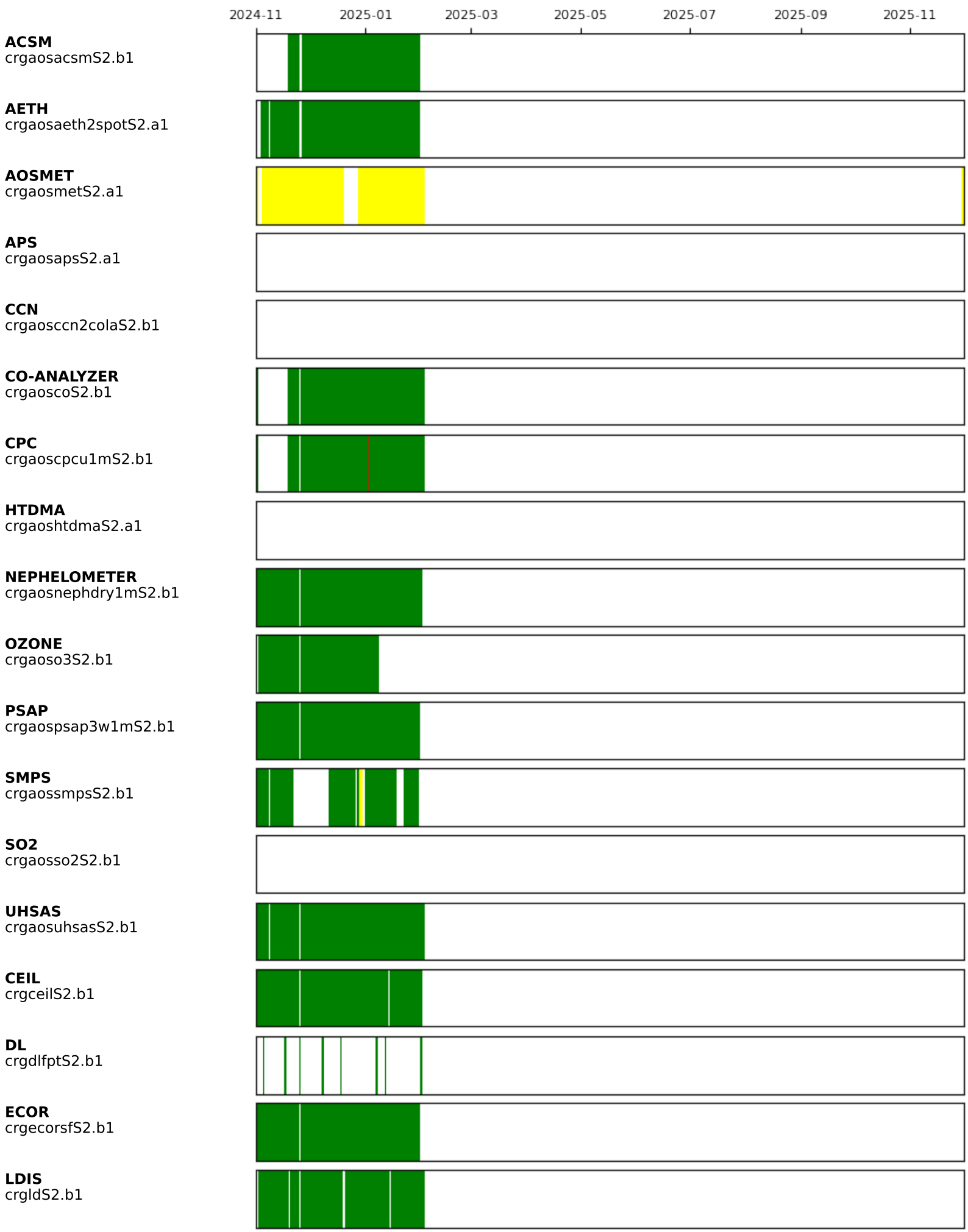



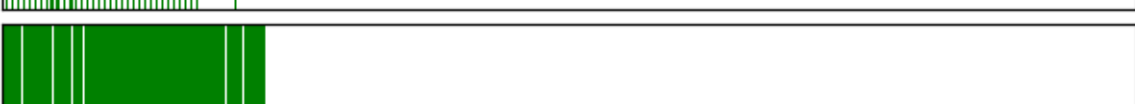
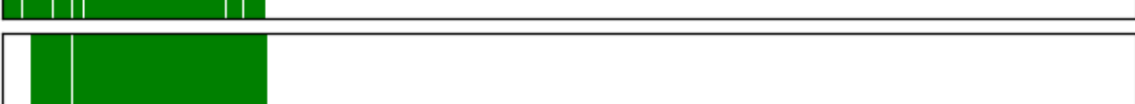
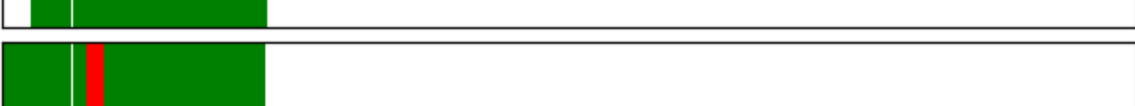
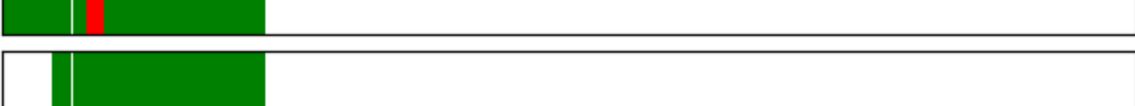


Baltimore, MD; Supplemental Facility 2 in rural setting
Atmospheric Radiation Measurement User Facility



MAWS crgmawsS2.b1	
METWXT crgmetwxtS2.b1	
MFRSR crgmfrsr7nchS2.b1	
MWR3C crgmwr3cS2.b1	
POPS crgpopsS2.a1	
SEBS crgsebsS2.b1	
SIRS crgsirsS2.b1	

ARM Data Quality Report (DQR) Table

Datastream	DQR	Quality	Subject	Start Date	End Date
crgaosmetS2.a1	D241204.6	Suspect	AOSMET Wind Direction Offset Issue	2024-10-24T00:00:00	2025-11-30T23:59:59
crgaoscpclu1mS2.b1	D250108.4	Incorrect	Incorrect Data	2025-01-02T00:00:00	2025-01-02T15:00:00
crgaossmpsS2.b1	D250123.6	Missing	Missing Data	2024-11-21T17:35:01	2024-12-11T19:09:59
crgaossmpsS2.b1	D250108.5	Missing	No Data	2024-12-30T20:10:02	2024-12-31T17:31:08
crgaossmpsS2.b1	D250108.6	Suspect	Quality Issue	2024-12-28T16:00:00	2024-12-30T20:10:01
crgmetwxtS2.b1	D250117.5	Incorrect	METWXT Precip Data Incorrect	2024-12-07T00:00:00	3001-01-01 00:00:00
crgsebsS2.b1	D241216.1	Incorrect	Incorrect Data	2024-12-01T00:00:00	2024-12-06T19:00:00

ARM Data Object Identifier (DOI) Table

Instrument	DOI
ACSM	Zawadowicz, M., Watson, T., Hayes, C., Allain, M., Salwen, C., & Behrens, B. Aerosol Chemical Speciation Monitor (AOSACSM), 2024-11-01 to 2025-11-30, ARM Mobile Facility (CRG), Baltimore, MD; Supplemental Facility 2 in rural setting (S2). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1558768
AETH	Sedlacek, A., Salwen, C., Andrews, E., & Hayes, C. Aethalometer (AOSAETH2SPOT), 2024-11-01 to 2025-11-30, ARM Mobile Facility (CRG), Baltimore, MD; Supplemental Facility 2 in rural setting (S2). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1211529
AOSMET	Kyroutac, J., & Tuftedal, M. Meteorological Measurements associated with the Aerosol Observing System (AOSMET), 2024-11-01 to 2025-11-30, ARM Mobile Facility (CRG), Baltimore, MD; Supplemental Facility 2 in rural setting (S2). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1984920
APS	Singh, A., Oliveira, D., Koontz, A., Sedlacek, A., & Kuang, C. Aerodynamic Particle Sizer (AOSAPS), 2024-11-01 to 2025-11-30, Bankhead National Forest, AL, USA; Long-term Mobile Facility (BNF), Bankhead National Forest, AL, AMF3 (Main Site) (M1). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1407135
CCN	Uin, J., Koontz, A., Andrews, E., Enekwizu, O., Hayes, C., & Salwen, C. Cloud Condensation Nuclei Particle Counter (AOSCCN100), 2024-11-01 to 2025-11-30, ARM Mobile Facility (ACX), Off the Coast of California - NOAA Ship Ronald H. Brown; AMF2 (M1). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1227964
CO-ANALYZER	Koontz, A., Springston, S., & Trojanowski, R. Carbon Monoxide Analyzer (AOSCO), 2024-11-01 to 2025-11-30, ARM Mobile Facility (CRG), Baltimore, MD; Supplemental Facility 2 in rural setting (S2). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1250819
CPC	Flynn, C., Ermold, B., Andrews, E., Kuang, C., Hayes, C., Singh, A., & Salwen, C. Condensation Particle Counter (AOSPCF1M), 2024-11-01 to 2025-11-30, ARM Mobile Facility (CRG), Baltimore, MD; Supplemental Facility 2 in rural setting (S2). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1398277
HTDMA	Uin, J., Cromwel, E., Hayes, C., & Salwen, C. Humidified Tandem Differential Mobility Analyzer (AOSHTDMA), 2024-11-01 to 2025-11-30, ARM Mobile Facility (ACX), Off the Coast of California - NOAA Ship Ronald H. Brown; AMF2 (M1). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1095581
NEPHELOMETER	Uin, J., Hayes, C., & Mayol Bracero, O. Nephelometer (AOSNEPHDRY1M), 2024-11-01 to 2025-11-30, ARM Mobile Facility (CRG), Baltimore, MD; Supplemental Facility 2 in rural setting (S2). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1984586
OZONE	Springston, S., Koontz, A., & Trojanowski, R. Ozone Monitor (AOSO3), 2024-11-01 to 2025-11-30, ARM Mobile Facility (CRG), Baltimore, MD; Supplemental Facility 2 in rural setting (S2). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1346692
PSAP	Ermold, B., Flynn, C., Trojanowski, R., Andrews, E., Hayes, C., Salwen, C., & Flynn, C. Particle Soot Absorption Photometer (AOSPSAP3W1M), 2024-11-01 to 2025-11-30, ARM Mobile Facility (CRG), Baltimore, MD; Supplemental Facility 2 in rural setting (S2). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1225037
SMPS	Kuang, C., Singh, A., Howie, J., Salwen, C., & Hayes, C. Scanning mobility particle sizer (AOSSMPS), 2024-11-01 to 2025-11-30, ARM Mobile Facility (CRG), Baltimore, MD; Supplemental Facility 2 in rural setting (S2). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1476898
SO2	Trojanowski, R., Springston, S., & Koontz, A. Sulfur Dioxide Monitor (AOSSO2), 2024-11-01 to 2025-11-30, ARM Mobile Facility (ASI), Ascension Island, South Atlantic Ocean; AMF1 (M1). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1342164
UHSAS	Uin, J., Senum, G., Koontz, A., Flynn, C., Salwen, C., & Hayes, C. Ultra-High Sensitivity Aerosol Spectrometer (AOSUHSAS), 2024-11-01 to 2025-11-30, ARM Mobile Facility (CRG), Baltimore, MD; Supplemental Facility 2 in rural setting (S2). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1409033
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 (DLAL2), 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
ECOR	Sullivan, R., Cook, D., Shi, Y., Keeler, E., & Pal, S. Eddy Correlation Flux Measurement System (ECORSF), 2024-11-01 to 2025-11-30, ARM Mobile Facility (CRG), Baltimore, MD; Supplemental Facility 2 in rural setting (S2). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1494128

ARM Data Object Identifier (DOI) Table

Instrument	DOI
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., Kyrrouac, 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
METWXT	Kyrrouac, J., & Shi, Y. WXT520/530 Meteorological Instrument System (METWXT), 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/10.5439/1455447
MFRSR	Hodges, G., 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
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
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.
SEBS	Sullivan, R., Keeler, E., Pal, S., & Kyrrouac, J. Surface Energy Balance System (SEBS), 2024-11-01 to 2025-11-30, ARM Mobile Facility (CRG), Baltimore, MD; Supplemental Facility 2 in rural setting (S2). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1984921
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