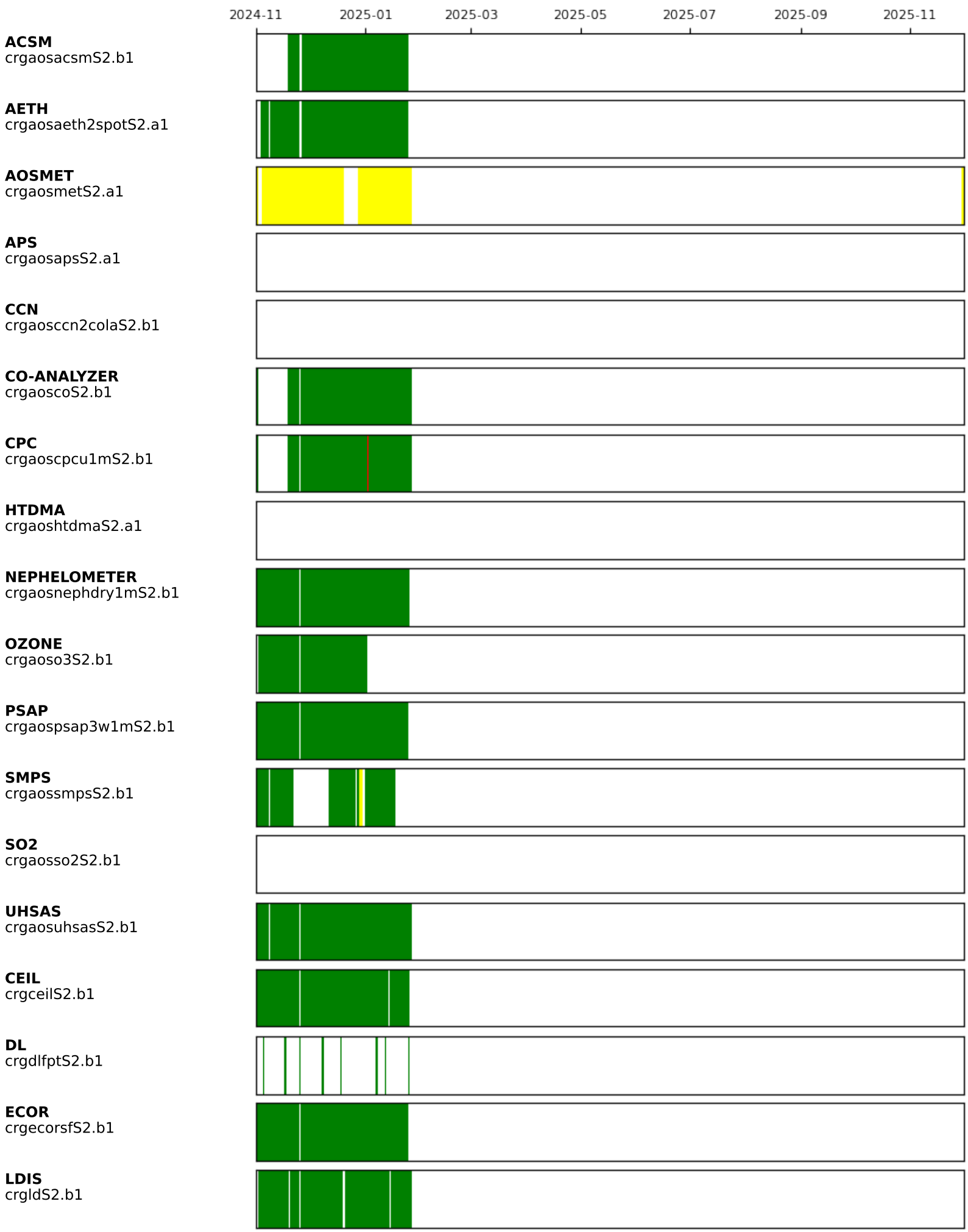
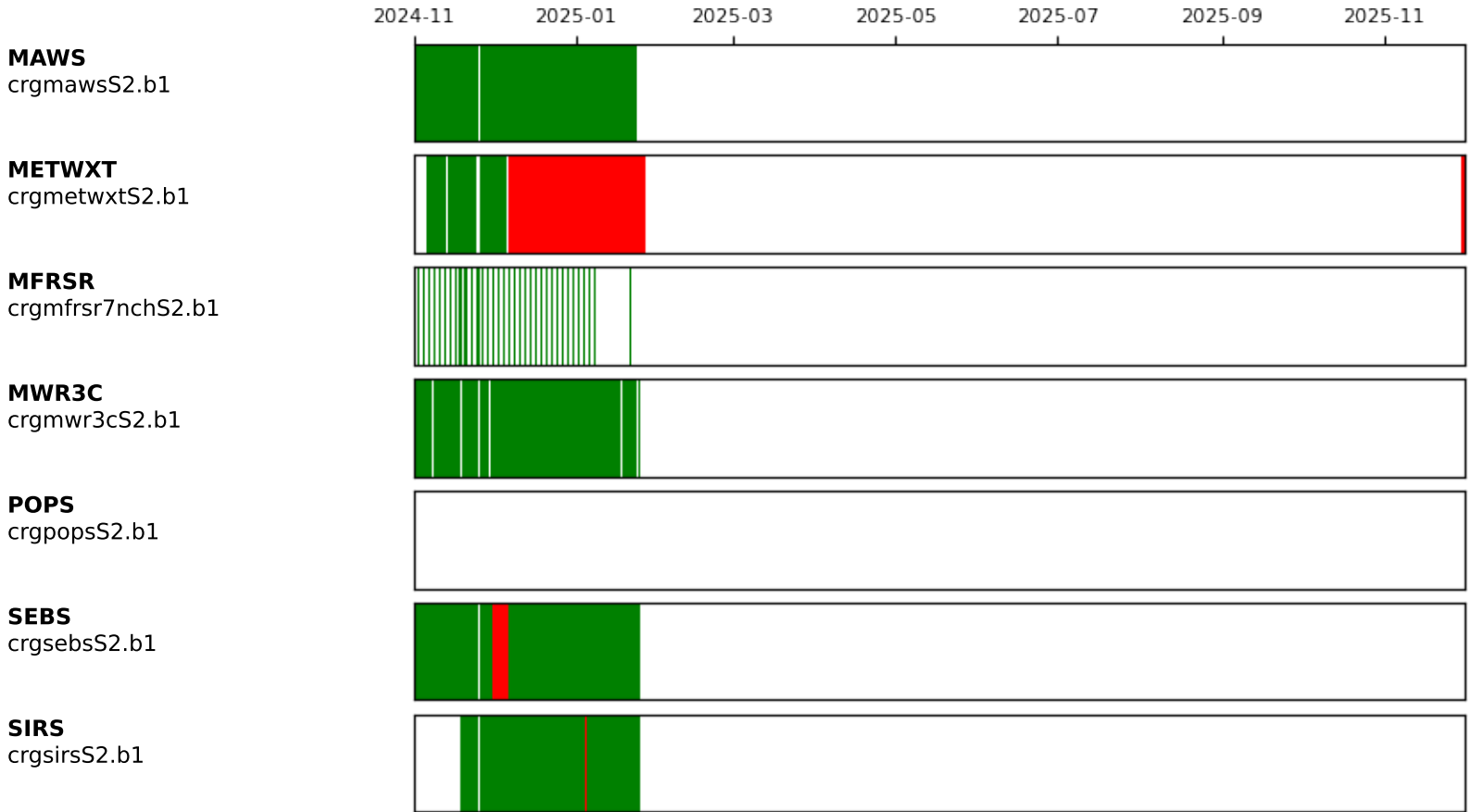


Baltimore, MD; Supplemental Facility 2 in rural setting
Atmospheric Radiation Measurement User Facility





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
crgsirsS2.b1	D241206.1	Incorrect	Incorrect Data	2025-01-07T20:15:00	2025-01-07T22:01:44

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 (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
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., 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. https://doi.org/10.5439/1162061
METWXT	Kyrouac, 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; Supplemental Facility 2 in rural setting (S2). 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	portable or printed optical particle spectrometer (POPS1M), 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., & Kyrouac, 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	Shi, Y., Sengupta, M., Xie, Y., Jaker, S., Yang, J., Reda, I., Andreas, A., & Habte, A. 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