

# Atmospheric Radiation Measurement User Facility



ARM Data Quality Report (DQR) Table

Datastream	DQR	Quality	Subject	Start Date	End Date
bnfaerisummaryS40.b1	D250909.1	Missing	Missing Data	2025-09-05T19:39:49	2025-09-08T18:34:58
bnfaerisummaryS40.b1	D241226.2	Missing	Mirror Controller/Motor Communication Issues	2024-12-18T09:53:00	2024-12-20T21:59:28
bnfaerisummaryS40.b1	D241226.1	Incorrect	Housekeeping Meter Malfunction	2024-12-18T00:00:00	2024-12-18T09:53:00
bnfdlfptS40.b1	D250208.1	Missing	No Data	2024-10-28T15:15:32	2024-10-30T15:30:04
bnfdlfptS40.b1	D250210.2	Missing	No Data	2024-11-30T12:45:32	2024-12-02T17:00:19
bnfdlfptS40.b1	D250728.8	Missing	No Data	2025-05-06T20:17:01	2025-05-13T16:15:59
bnfecorsfS40.b1	D250404.2	Missing	No Data	2025-03-13T14:00:01	2025-04-03T15:59:59
bnfgndrad60sS40.b1	D250825.1	Incorrect	Incorrect Data	2025-05-18T03:59:00	2025-08-19T16:00:00
bnfirtS40.b1	D250307.8	Missing	Missing Data	2025-01-15T16:31:01	2025-01-22T14:33:59
bnfirtS40.b1	D250627.10	Missing	No Data	2025-05-18T04:20:01	2025-05-19T14:05:59
bnfirtS40.b1	D241011.3	Missing	No Data	2024-10-01T00:00:00	2024-10-04T22:59:59
bnfmfrsr7nchS40.b1	D250714.19	Missing	Missing Data	2025-04-06T09:14:01	2025-04-07T15:14:40
bnfmfrsr7nchS40.b1	D250512.6	Missing	Missing Data	2025-04-06T09:14:01	2025-04-07T15:17:20
bnfmfrsr7nchS40.b1	D250611.5	Incorrect	Incorrect Data	2024-08-26T00:00:00	2025-05-22T17:46:00
bnfmfrsr7nchS40.b1	D251024.11	Incorrect	Incorrect Data	2025-08-31T03:04:20	2025-10-09T05:59:40
bnfskyrad60sS40.b1	D250310.1	Incorrect	Incorrect Data	2025-02-28T03:26:00	2025-02-28T09:44:00
bnfskyrad60sS40.b1	D250424.1	Incorrect	Incorrect Data	2025-04-06T05:41:00	2025-04-23T15:54:00
bnfskyrad60sS40.b1	D251014.1	Incorrect	Incorrect Data	2025-08-28T00:00:00	2025-09-05T19:30:00
bnfskyrad60sS40.b1	D250108.7	Suspect	Excessive (and Increasing) down_long_hemisp1 and down_long_hemips2 Divergence	2024-12-26T22:00:00	2025-01-07T20:56:00

## ARM Data Object Identifier (DOI) Table

Instrument	DOI
AERI	Gero, J., Garcia, R., Hackel, D., Ermold, B., & Gaustad, K. Atmospheric Emitted Radiance Interferometer (AERICH1), 2025-01-01 to 2025-12-31, Bankhead National Forest, AL, USA; Long-term Mobile Facility (BNF), Bankhead National Forest, AL, AMF3 (Main Site) (M1). Atmospheric Radiation Measurement (ARM) User Facility. <a href="https://doi.org/10.5439/1989299">https://doi.org/10.5439/1989299</a>
DL	Newsom, R., Shi, Y., & Krishnamurthy, R. Doppler Lidar (DLCAL1), 2025-01-01 to 2025-12-31, Bankhead National Forest, AL, USA; Long-term Mobile Facility (BNF), Bankhead National Forest, AL, AMF3 (Main Site) (M1). Atmospheric Radiation Measurement (ARM) User Facility. <a href="https://doi.org/10.5439/1025183">https://doi.org/10.5439/1025183</a>
MWR3C	Cadeddu, M., Gibler, G., Koontz, A., & Tuftedal, M. Microwave Radiometer, 3 Channel (MWR3C), 2025-01-01 to 2025-12-31, Bankhead National Forest, AL, USA; Long-term Mobile Facility (BNF), Bankhead National Forest, AL, AMF3 (Main Site) (M1). Atmospheric Radiation Measurement (ARM) User Facility. <a href="https://doi.org/10.5439/1025248">https://doi.org/10.5439/1025248</a>
ECOR	Sullivan, R., Cook, D., Shi, Y., Keeler, E., & Pal, S. Eddy Correlation Flux Measurement System (ECORSF), 2025-01-01 to 2025-12-31, Bankhead National Forest, AL, USA; Long-term Mobile Facility (BNF), Bankhead National Forest, AL, Supplemental facility for STAMP2 near Tower Site (S13). Atmospheric Radiation Measurement (ARM) User Facility. <a href="https://doi.org/10.5439/1494128">https://doi.org/10.5439/1494128</a>
GNDRAD	Sengupta, M., Habte, A., Andreas, A., Reda, I., Jaker, S., Xie, Y., Yang, J., Gotseff, P., Kutchenreiter, M., & Shi, Y. Ground Radiometers on Stand for Upwelling Radiation (GNDRAD60S), 2025-01-01 to 2025-12-31, Bankhead National Forest, AL, USA; Long-term Mobile Facility (BNF), Bankhead National Forest, AL, AMF3 (Main Site) (M1). Atmospheric Radiation Measurement (ARM) User Facility. <a href="https://doi.org/10.5439/1377837">https://doi.org/10.5439/1377837</a>
IRT	Shi, Y., Howie, J., Goldberger, L., & Morris, V. Infrared Thermometer (IRT), 2025-01-01 to 2025-12-31, Bankhead National Forest, AL, USA; Long-term Mobile Facility (BNF), Bankhead National Forest, AL, AMF3 (Main Site) (M1). Atmospheric Radiation Measurement (ARM) User Facility. <a href="https://doi.org/10.5439/1329238">https://doi.org/10.5439/1329238</a>
MET	Kyrouac, J., Shi, Y., & Tuftedal, M. Surface Meteorological Instrumentation (MET), 2025-01-01 to 2025-12-31, Bankhead National Forest, AL, USA; Long-term Mobile Facility (BNF), Bankhead National Forest, AL, AMF3 (Main Site) (M1). Atmospheric Radiation Measurement (ARM) User Facility. <a href="https://doi.org/10.5439/1786358">https://doi.org/10.5439/1786358</a>
MFRSR	Hodges, G., Sheffer, B., Herrera, C., & Ermold, B. Multifilter Rotating Shadowband Radiometer (MFRSR7NCH), 2025-01-01 to 2025-12-31, Bankhead National Forest, AL, USA; Long-term Mobile Facility (BNF), Bankhead National Forest, AL, AMF3 (Main Site) (M1). Atmospheric Radiation Measurement (ARM) User Facility. <a href="https://doi.org/10.5439/1429369">https://doi.org/10.5439/1429369</a>
SEBS	Sullivan, R., Keeler, E., Pal, S., & Kyrouac, J. Surface Energy Balance System (SEBS), 2025-01-01 to 2025-12-31, Bankhead National Forest, AL, USA; Long-term Mobile Facility (BNF), Bankhead National Forest, AL, AMF3 (Tower Site) (S10). Atmospheric Radiation Measurement (ARM) User Facility. <a href="https://doi.org/10.5439/1984921">https://doi.org/10.5439/1984921</a>
SKYRAD	Sengupta, M., Habte, A., Andreas, A., Reda, I., Jaker, S., Xie, Y., Yang, J., Gotseff, P., Kutchenreiter, M., & Shi, Y. Sky Radiometers on Stand for Downwelling Radiation (SKYRAD60S), 2025-01-01 to 2025-12-31, Bankhead National Forest, AL, USA; Long-term Mobile Facility (BNF), Bankhead National Forest, AL, AMF3 (Main Site) (M1). Atmospheric Radiation Measurement (ARM) User Facility. <a href="https://doi.org/10.5439/1377836">https://doi.org/10.5439/1377836</a>
STAMP	Kyrouac, J., Cook, D., Ermold, B., Pal, S., Sullivan, R., & Keeler, E. Soil Temperature and Moisture Profiles (STAMP), 2025-01-01 to 2025-12-31, Bankhead National Forest, AL, USA; Long-term Mobile Facility (BNF), Bankhead National Forest, AL, AMF3 (Tower Site) (S10). Atmospheric Radiation Measurement (ARM) User Facility. <a href="https://doi.org/10.5439/1238260">https://doi.org/10.5439/1238260</a>