

Bankhead National Forest, AL, Supplemental facility at Courtland  
Atmospheric Radiation Measurement User Facility



ARM Data Quality Report (DQR) Table

Datastream	DQR	Quality	Subject	Start Date	End Date
bnfaerisummaryS20.b1	D250103.1	Suspect	Interferometer Intermittently Skipping Fringes	2024-10-01T00:00:00	2024-11-13T23:59:59
bnfdlftS20.b1	D250210.3	Missing	No Data	2024-12-22T02:15:28	2024-12-23T17:15:02
bnfdlftS20.b1	D250509.14	Missing	Missing Data	2025-03-24T17:59:52	2025-03-30T03:39:19
bnfdlftS20.b1	D250207.8	Missing	No Data	2024-10-21T15:47:38	2024-10-23T19:21:17
bnfmwr3cS20.b1	D241030.3	Missing	Missing Data	2024-10-19T14:00:00	2024-10-24T12:54:59
bnfmwr3cS20.b1	D250317.15	Missing	Missing Data	2025-02-16T18:00:00	2025-02-20T15:15:03
bnfmwr3cS20.b1	D250425.4	Missing	Missing Data	2025-04-22T12:22:36	2025-04-25T14:02:05
bnfmwr3cS20.b1	D250123.13	Missing	Missing Data	2024-12-19T02:57:48	2024-12-20T04:37:32
bnfmwr3cS20.b1	D250617.2	Missing	Missing Data	2025-05-05T13:59:58	2025-05-08T16:05:14
bnfmwr3cS20.b1	D250102.2	Missing	Missing Data	2024-12-23T16:00:00	2025-01-03T14:55:46
bnfmwr3cS20.b1	D250701.1	Suspect	Occasional Spikes in Brightness Temperatures and Retrievals	2025-06-02T00:00:00	2025-06-13T00:00:00
bnfmwr3cS20.b1	D250701.2	Incorrect	Incorrect IR Temperature	2025-06-02T18:00:00	2025-06-10T20:00:00
bnfirtS20.b1	D250512.2	Missing	No Data	2025-05-02T18:39:01	2025-05-04T20:39:59
bnfirtS20.b1	D250627.8	Missing	No Data	2025-05-19T07:53:01	2025-05-29T13:08:59
bnfirtS20.b1	D241114.2	Missing	Missing Data	2024-10-19T12:59:01	2024-10-22T19:20:59
bnfmfrsr7nchS20.b1	D250311.3	Incorrect	Incorrect Data	2025-01-30T12:47:00	2025-02-10T23:34:00
bnfmfrsr7nchS20.b1	D250311.2	Incorrect	Incorrect Data	2025-01-29T15:43:20	2025-01-30T07:01:00
bnfmfrsr7nchS20.b1	D250326.1	Incorrect	Incorrect Data	2024-11-12T23:10:11	2024-11-14T16:12:11
bnfmfrsr7nchS20.b1	D250228.6	Incorrect	Incorrect Data	2024-11-20T11:41:00	2025-01-08T16:04:40
bnfmfrsr7nchS20.b1	D250326.2	Incorrect	Incorrect Data	2024-11-01T07:02:00	2024-11-20T00:00:00
bnfmfrsr7nchS20.b1	D250228.7	Missing	Missing Data	2025-01-08T16:04:40	2025-01-29T15:43:20
bnfsebsS20.b1	D250307.6	Incorrect	Incorrect Energy Storage Change	2025-01-08T17:30:00	2025-02-28T19:00:00
bnfskyrad60sS20.b1	D240929.4	Incorrect	Incorrect Data	2024-12-10T12:44:55	2024-12-10T13:24:00
bnfskyrad60sS20.b1	D241203.3	Incorrect	Erratic Readings from PIR1	2024-10-07T08:19:00	2024-11-15T18:30:00
bnfskyrad60sS20.b1	D250130.1	Incorrect	Incorrect Data	2025-01-08T17:16:00	2025-01-16T17:33:00
bnfskyrad60sS20.b1	D250127.1	Incorrect	Incorrect Data	2024-12-17T16:30:00	2025-01-16T17:04:00
bnfskyrad60sS20.b1	D241203.2	Suspect	Tracker (and Instruments) Out of Alignment	2024-10-02T06:00:00	2024-11-18T16:35:00
bnfstampS20.b1	D241029.13	Missing	Missing Data	2024-10-01T00:00:00	2024-10-22T19:00:00

## ARM Data Object Identifier (DOI) Table

Instrument	DOI
AERI	Gero, J., Garcia, R., Hackel, D., Ermold, B., & Gaustad, K. Atmospheric Emitted Radiance Interferometer (AERICH1), 2024-9-01 to 2025-10-01, 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), 2024-9-01 to 2025-10-01, 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), 2024-9-01 to 2025-10-01, 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), 2024-9-01 to 2025-10-01, 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), 2024-9-01 to 2025-10-01, 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), 2024-9-01 to 2025-10-01, 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), 2024-9-01 to 2025-10-01, 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., Herrera, C., & Ermold, B. Multifilter Rotating Shadowband Radiometer (MFRSR7NCH), 2024-9-01 to 2025-10-01, 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), 2024-9-01 to 2025-10-01, 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), 2024-9-01 to 2025-10-01, 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), 2024-9-01 to 2025-10-01, 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>