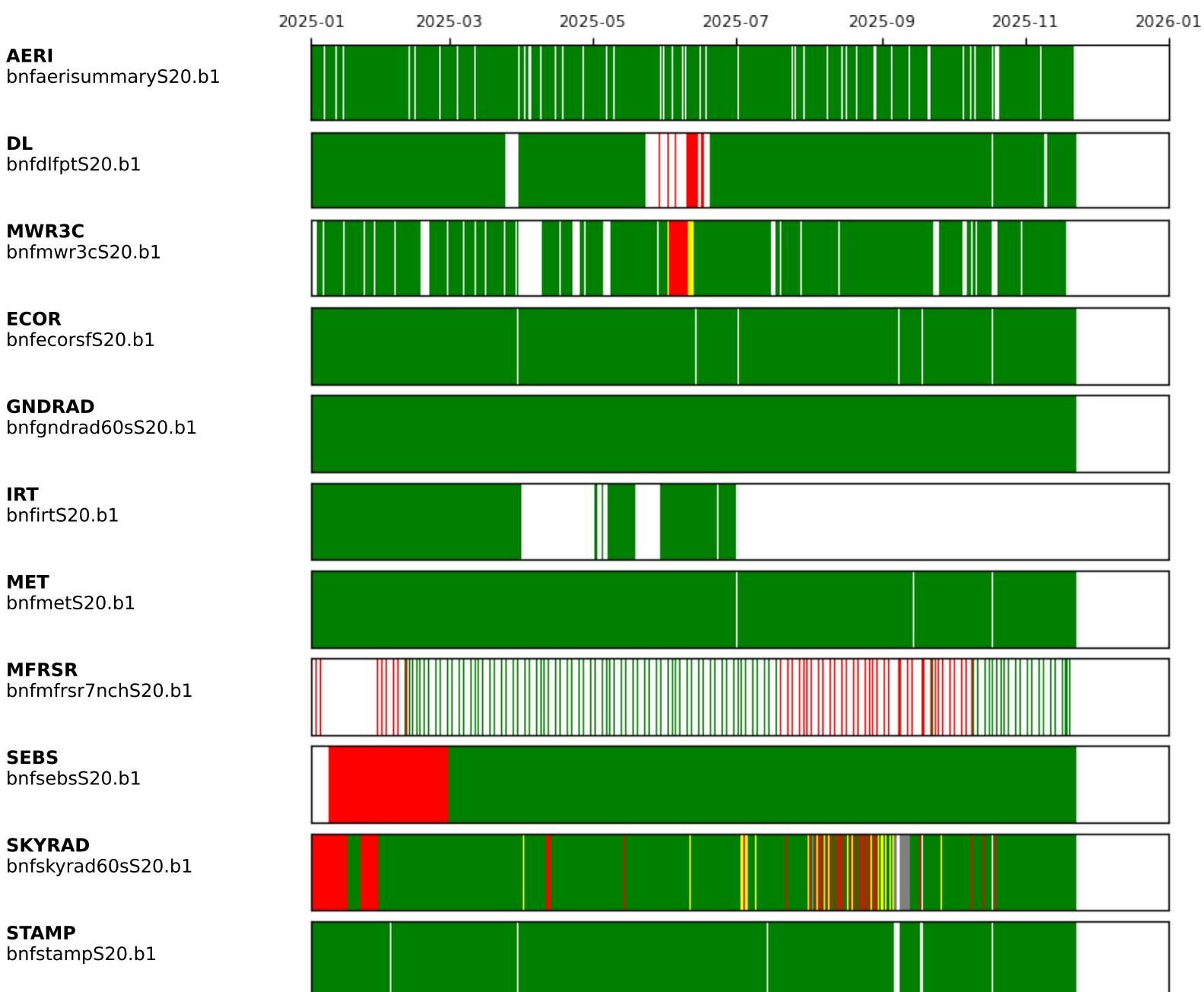


Bankhead National Forest, AL, Supplemental facility at Courtland  
Atmospheric Radiation Measurement User Facility



## 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
bnfaerisummaryS20.b1	D251010.2	Missing	Missing Data	2025-09-20T15:07:55	2025-09-21T19:22:18
bnfdlfptS20.b1	D250711.12	Missing	No Data	2025-06-17T16:25:00	2025-06-19T17:50:00
bnfdlfptS20.b1	D250210.3	Missing	No Data	2024-12-22T02:15:28	2024-12-23T17:15:02
bnfdlfptS20.b1	D250509.14	Missing	Missing Data	2025-03-24T17:59:52	2025-03-30T03:39:19
bnfdlfptS20.b1	D250207.8	Missing	No Data	2024-10-21T15:47:38	2024-10-23T19:21:17
bnfdlfptS20.b1	D250627.7	Incorrect	Bad Radial Velocity Data	2025-05-23T14:05:01	2025-06-19T17:48:00
bnfmwr3cS20.b1	D241030.3	Missing	Missing Data	2024-10-19T14:00:00	2024-10-24T12:54:59
bnfmwr3cS20.b1	D251111.1	Missing	Missing Data	2025-10-18T05:00:00	2025-10-20T14:44:26
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	D251020.10	Missing	Missing Data	2025-09-22T23:00:00	2025-09-25T12:16:04
bnfmwr3cS20.b1	D250617.2	Missing	Missing Data	2025-05-05T13:59:58	2025-05-08T16:05:14
bnfmwr3cS20.b1	D250813.4	Missing	Missing Data	2025-07-15T22:00:00	2025-07-17T14:06:08
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	D251024.9	Incorrect	Incorrect Data	2025-07-20T10:48:20	2025-10-09T15:22:00
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	D250929.6	Missing	Missing Data	2025-09-06T11:39:21	2025-09-08T14:58:59
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

## ARM Data Quality Report (DQR) Table

Datastream	DQR	Quality	Subject	Start Date	End Date
bnfskyrad60sS20.b1	D240929.4	Incorrect	Incorrect Data	2025-08-03T11:03:00	2025-08-04T00:50:04
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	D251023.1	Suspect	Questionable Data	2025-10-04T12:36:00	2025-10-04T13:53:59
bnfskyrad60sS20.b1	D241203.2	Suspect	Tracker (and Instruments) Out of Alignment	2024-10-02T06:00:00	2024-11-18T16:35:00
bnfstampS20.b1	D251020.1	Missing	No Data	2025-09-06T10:00:00	2025-09-13T01:01:00
bnfstampS20.b1	D250923.6	Missing	Missing Data	2025-09-06T11:30:01	2025-09-08T14:59:59
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), 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>