

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 |
| 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 |
| 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 | D250102.2 | Missing | Missing Data | 2024-12-23T16:00:00 | 2025-01-03T14:55:46 |
| bnfirtS20.b1 | D250512.2 | Missing | No Data | 2025-05-02T18:39:07 | 2025-05-04T20:39:59 |
| bnfirtS20.b1 | D241114.2 | Missing | Missing Data | 2024-10-19T12:59:07 | 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. https://doi.org/10.5439/1989299 |
| 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. https://doi.org/10.5439/1025183 |
| 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. https://doi.org/10.5439/1025248 |
| 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. https://doi.org/10.5439/1494128 |
| 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. https://doi.org/10.5439/1377837 |
| 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. https://doi.org/10.5439/1329238 |
| 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. https://doi.org/10.5439/1786358 |
| 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. https://doi.org/10.5439/1429369 |
| 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. https://doi.org/10.5439/1984921 |
| 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. https://doi.org/10.5439/1377836 |
| 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. https://doi.org/10.5439/1238260 |