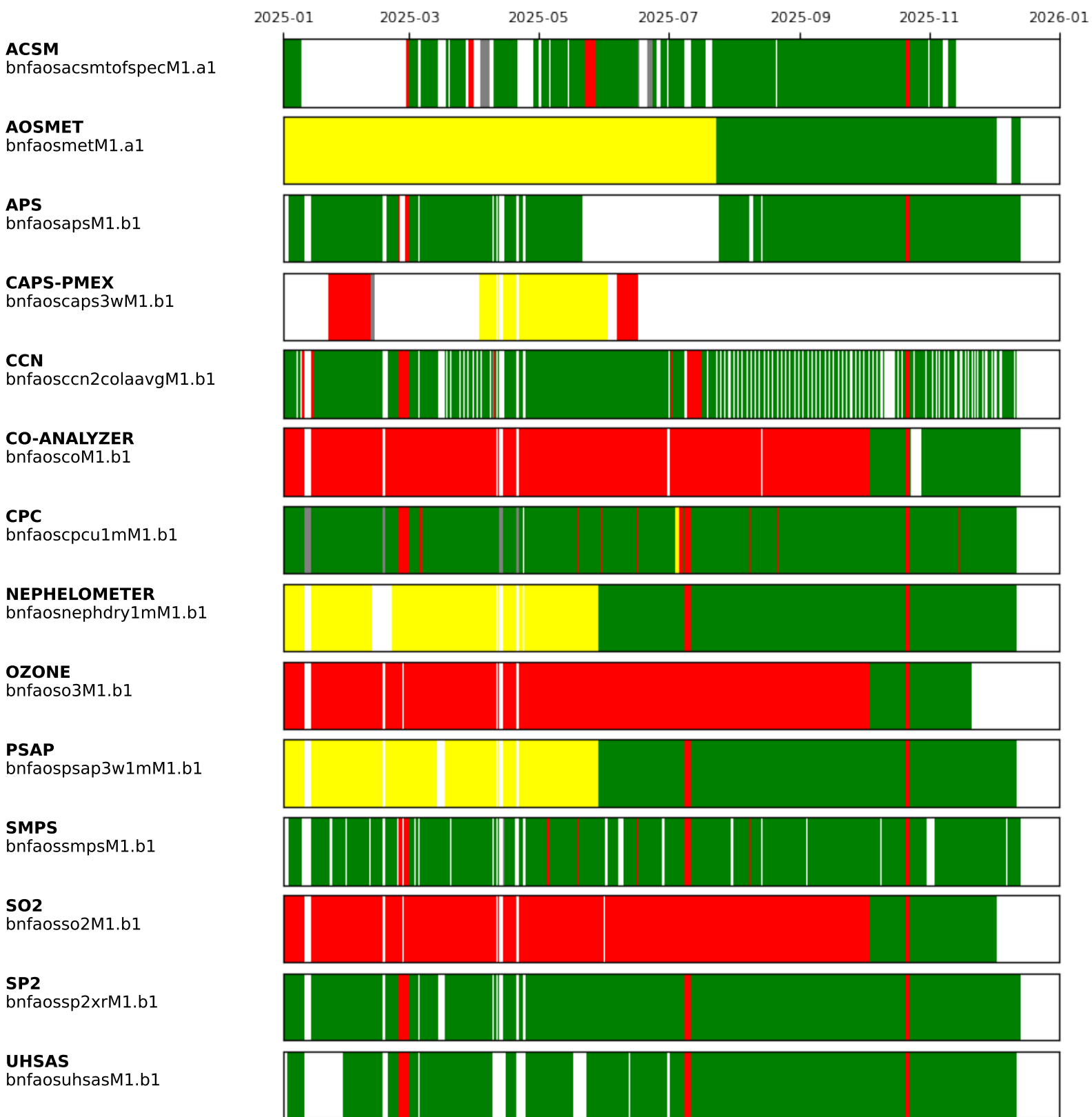


Bankhead National Forest, AL, AMF3 (Main Site)  
Atmospheric Radiation Measurement User Facility



ARM Data Quality Report (DQR) Table

Datastream	DQR	Quality	Subject	Start Date	End Date
bnfaosacsmtofspecM1.a	D250506.1	Missing	Several Issues Caused Missing Data/Incorrect Data	2025-03-05T01:44:19	2025-03-06T16:42:31
bnfaosacsmtofspecM1.a	D250703.4	Missing	Missing/Incorrect Data	2025-06-17T00:00:00	2025-06-23T23:59:59
bnfaosacsmtofspecM1.a	D250307.10	Missing	No Data	2025-01-09T17:32:35	2025-02-26T19:45:08
bnfaosacsmtofspecM1.a	D250214.6	Missing	Power Outage	2024-12-27T19:10:14	2024-12-30T19:45:24
bnfaosacsmtofspecM1.a	D241203.8	Missing	Data Missing	2024-11-19T20:12:43	2024-11-22T20:03:15
bnfaosacsmtofspecM1.a	D251003.6	Missing	Missing Data	2025-07-18T22:43:56	2025-07-21T17:08:07
bnfaosacsmtofspecM1.a	D250606.4	Missing	Missing Data	2025-05-14T15:06:24	2025-05-15T17:33:04
bnfaosacsmtofspecM1.a	D250602.6	Incorrect	Incorrect Data	2025-05-23T00:00:00	2025-05-27T23:59:59
bnfaosacsmtofspecM1.a	D251104.13	Incorrect	Mentors on Site - No Valid Data	2025-10-21T00:00:00	2025-10-22T23:59:59
bnfaosacsmtofspecM1.a	D250714.6	Incorrect	Mentors Performing Instrument Calibrations	2025-07-08T13:00:00	2025-07-12T00:00:00
bnfaosacsmtofspecM1.a	D250506.3	Incorrect	Incorrect Data	2025-03-29T00:00:00	2025-03-31T23:59:59
bnfaosacsmtofspecM1.a	D250303.1	Incorrect	Incorrect Data	2025-02-24T00:00:00	2025-02-28T23:59:59
bnfaosmetM1.a1	D250303.1	Incorrect	Incorrect Data	2025-02-24T00:00:00	2025-02-28T23:59:59
bnfaosmetM1.a1	D250714.6	Incorrect	Mentors Performing Instrument Calibrations	2025-07-08T13:00:00	2025-07-12T00:00:00
bnfaosmetM1.a1	D250203.3	Missing	No Data	2024-12-29T04:36:25	2024-12-30T14:34:49
bnfaosmetM1.a1	D241031.1	Missing	Failed Power and Intermittent Communications	2024-10-01T00:00:00	2024-10-21T20:27:59
bnfaosmetM1.a1	D250508.1	Missing	Power Outage	2025-04-20T13:20:23	2025-04-21T17:49:12
bnfaosmetM1.a1	D250307.3	Missing	Power Outage	2025-02-16T05:48:20	2025-02-17T15:56:18
bnfaosmetM1.a1	D250819.9	Suspect	Relative Humidity Dry Bias	2024-10-17T16:07:49	2025-07-23T16:12:00
bnfaosapsM1.b1	D250130.4	Missing	Missing Data	2025-01-10T16:51:27	2025-01-13T14:49:39
bnfaosapsM1.b1	D250219.1	Missing	Missing data	2025-02-16T05:48:20	2025-02-18T15:21:25
bnfaosapsM1.b1	D250423.4	Missing	Missing Data	2025-04-20T13:20:22	2025-04-21T19:59:59
bnfaosapsM1.b1	D250414.7	Missing	Missing Data	2025-04-12T14:39:57	2025-04-14T15:20:00
bnfaosapsM1.b1	D250121.1	Missing	Missing Data	2024-12-29T04:00:00	2025-01-02T22:48:14
bnfaosapsM1.b1	D250814.1	Missing	Missing Data	2025-08-08T16:40:47	2025-08-09T21:36:18
bnfaosapsM1.b1	D241218.1	Missing	Missing Data	2024-12-12T16:17:56	2024-12-17T19:59:54
bnfaosapsM1.b1	D241125.4	Missing	No Data	2024-11-19T19:00:00	2024-11-25T16:00:00
bnfaosapsM1.b1	D250627.6	Missing	Missing Data	2025-05-21T19:27:05	2025-07-24T15:55:45
bnfaosapsM1.b1	D250530.2	Incorrect	Incorrect Data	2025-05-21T12:00:00	2025-05-21T19:27:05
bnfaosapsM1.b1	D250512.13	Incorrect	Incorrect Data	2025-05-06T10:00:00	2025-05-06T11:30:00

## ARM Data Quality Report (DQR) Table

Datastream	DQR	Quality	Subject	Start Date	End Date
bnfaosapsM1.b1	D250729.1	Incorrect	Incorrect Data	2025-07-24T15:00:00	2025-07-24T18:00:00
bnfaosapsM1.b1	D250303.1	Incorrect	Incorrect Data	2025-02-24T00:00:00	2025-02-28T23:59:59
bnfaosapsM1.b1	D251104.13	Incorrect	Mentors on Site - No Valid Data	2025-10-21T00:00:00	2025-10-22T23:59:59
bnfaoscaps3wM1.b1	D250602.4	Suspect	Sample Flow not Actively Dried	2024-10-01T00:00:00	2025-05-29T00:00:00
bnfaoscaps3wM1.b1	D250731.8	Suspect	Suspect Data	2025-05-08T00:00:00	2025-06-02T17:02:42
bnfaoscaps3wM1.b1	D250731.7	Suspect	Some Data Questionable	2025-04-02T00:00:00	2025-05-08T00:00:00
bnfaoscaps3wM1.b1	D250529.3	Suspect	Sample RH not Controlled	2024-10-01T00:00:00	2025-05-29T00:00:00
bnfaoscaps3wM1.b1	D250213.3	Incorrect	Incorrect Data	2025-01-21T18:01:16	2025-02-12T13:04:15
bnfaoscaps3wM1.b1	D250128.2	Incorrect	Bad Data	2025-02-05T14:00:00	2025-02-12T13:04:15
bnfaoscaps3wM1.b1	D250731.10	Incorrect	All Data Unusable	2025-06-06T15:01:27	2025-06-16T13:43:00
bnfaoscaps3wM1.b1	D250303.1	Incorrect	Incorrect Data	2025-02-24T00:00:00	2025-02-28T23:59:59
bnfaoscaps3wM1.b1	D250522.9	Missing	Missing Data	2025-04-12T14:44:32	2025-04-14T12:31:59
bnfaoscaps3wM1.b1	D250522.7	Missing	No Data	2025-02-10T23:59:00	2025-04-02T17:40:00
bnfaoscaps3wM1.b1	D250731.5	Missing	Missing Data	2025-06-02T17:02:42	2025-06-06T15:01:27
bnfaoscaps3wM1.b1	D250213.2	Missing	No Data	2024-11-07T16:20:22	2025-01-21T18:01:16
bnfaosccn2colaavgM1.b1	D250502.2	Missing	CCN Offline Due to Power Outage at Site	2025-04-23T21:09:25	2025-04-24T15:00:00
bnfaosccn2colaavgM1.b1	D250106.8	Missing	No Data due to Power Outage at BNF Site	2024-12-29T04:37:08	2024-12-30T15:00:00
bnfaosccn2colaavgM1.b1	D251112.1	Missing	CCN Offline Due to Power Outage at Site	2025-11-08T12:57:00	2025-11-08T19:05:00
bnfaosccn2colaavgM1.b1	D250317.6	Missing	CCN Offline	2025-03-14T20:00:00	2025-03-17T14:00:00
bnfaosccn2colaavgM1.b1	D241126.1	Missing	No Data	2024-11-19T19:00:00	2024-11-20T22:00:00
bnfaosccn2colaavgM1.b1	D250414.1	Missing	CCN Offline Due to Power Outage at Site	2025-04-12T14:44:00	2025-04-14T13:14:20
bnfaosccn2colaavgM1.b1	D251016.1	Missing	CCN VI Crash	2025-10-14T23:12:00	2025-10-15T15:19:00
bnfaosccn2colaavgM1.b1	D250410.9	Missing	CCN Offline Due to Power Outage at Site	2025-04-09T13:17:35	2025-04-09T17:04:04
bnfaosccn2colaavgM1.b1	D250110.1	Missing	CCN Shutdown due to Cold Weather	2025-01-10T12:31:07	2025-01-13T17:02:19
bnfaosccn2colaavgM1.b1	D250320.6	Missing	CCN Offline Due to Power Outage at Site	2025-02-16T05:50:22	2025-02-18T15:17:36
bnfaosccn2colaavgM1.b1	D250423.8	Missing	CCN Offline Due to Power Outage at Site	2025-04-20T13:20:00	2025-04-21T20:00:00
bnfaosccn2colaavgM1.b1	D250701.3	Missing	CCN Offline Due to Power Outage at Site	2025-06-30T19:47:00	2025-06-30T21:00:00
bnfaosccn2colaavgM1.b1	D250310.5	Missing	CCN Offline Due to Power Outage at Site	2025-03-05T01:00:00	2025-03-06T03:00:00
bnfaosccn2colaavgM1.b1	D250411.6	Missing	CCN Offline Due to Power Outage at Site	2025-04-10T23:29:00	2025-04-11T13:10:00
bnfaosccn2colaavgM1.b1	D250717.6	Incorrect	Restriction in CCN Sample Line	2025-07-12T00:00:01	2025-07-16T21:00:00

ARM Data Quality Report (DQR) Table

Datastream	DQR	Quality	Subject	Start Date	End Date
bnfaosccn2colaavgM1.b	D250109.3	Incorrect	Dry Shutdown of CCN due to Cold Weather Power Outage	2025-01-09T15:00:00	2025-01-10T13:00:00
bnfaosccn2colaavgM1.b	D250114.4	Incorrect	CCN Startup and Flow Calibration after Cold Weather Outage	2025-01-13T14:50:00	2025-01-14T21:00:00
bnfaosccn2colaavgM1.b	D250410.10	Incorrect	Auto Startup of CCN Program	2025-04-09T17:04:04	2025-04-10T19:00:00
bnfaosccn2colaavgM1.b	D251104.13	Incorrect	Mentors on Site - No Valid Data	2025-10-21T00:00:00	2025-10-22T23:59:59
bnfaosccn2colaavgM1.b	D250320.8	Incorrect	Auto Startup of CCN Program	2025-02-18T15:17:36	2025-02-18T16:40:00
bnfaosccn2colaavgM1.b	D250717.8	Incorrect	CCN Undergoing Flow Calibration	2025-05-21T16:00:00	2025-05-21T18:30:00
bnfaosccn2colaavgM1.b	D250303.1	Incorrect	Incorrect Data	2025-02-24T00:00:00	2025-02-28T23:59:59
bnfaosccn2colaavgM1.b	D250521.6	Incorrect	CCN Undergoing Flow Calibration	2025-01-14T17:00:00	2025-01-14T20:00:00
bnfaosccn2colaavgM1.b	D250722.2	Incorrect	Condensation in Sample Bypass Line	2025-07-22T14:30:00	2025-07-22T16:30:00
bnfaosccn2colaavgM1.b	D250414.3	Incorrect	Auto Startup of CCN Program	2025-04-14T13:14:20	2025-04-14T14:00:00
bnfaosccn2colaavgM1.b	D251203.3	Incorrect	Flow Calibration	2025-12-02T15:50:00	2025-12-02T19:00:00
bnfaosccn2colaavgM1.b	D250703.2	Incorrect	CCN Column Temperature Stabilization	2025-07-02T18:35:00	2025-07-02T19:35:00
bnfaosccn2colaavgM1.b	D250502.3	Incorrect	Auto Startup of CCN Program	2025-04-25T14:40:00	2025-04-25T16:30:00
bnfaosccn2colaavgM1.b	D250714.6	Incorrect	Mentors Performing Instrument Calibrations	2025-07-08T13:00:00	2025-07-12T00:00:00
bnfaoscoM1.b1	D251104.13	Incorrect	Mentors on Site - No Valid Data	2025-10-21T00:00:00	2025-10-22T23:59:59
bnfaoscoM1.b1	D251022.8	Incorrect	Leak Test	2025-10-06T17:40:33	2025-10-06T19:43:48
bnfaoscoM1.b1	D250303.1	Incorrect	Incorrect Data	2025-02-24T00:00:00	2025-02-28T23:59:59
bnfaoscoM1.b1	D250714.6	Incorrect	Mentors Performing Instrument Calibrations	2025-07-08T13:00:00	2025-07-12T00:00:00
bnfaoscoM1.b1	D251022.5	Incorrect	Leak in Sample Line	2024-10-01T00:00:00	2025-10-03T18:00:00
bnfaoscoM1.b1	D241209.8	Suspect	Sample Line Disruption	2024-10-01T03:00:00	2024-10-08T20:00:00
bnfaoscoM1.b1	D250204.1	Missing	Missing Data	2024-12-25T14:51:48	2024-12-26T15:28:18
bnfaoscoM1.b1	D250516.10	Missing	Missing Data	2025-04-12T14:44:32	2025-04-14T12:53:43
bnfaoscoM1.b1	D251028.2	Missing	Analyzer Data System Failure	2025-10-23T14:42:50	2025-10-28T14:01:48
bnfaoscoM1.b1	D250603.5	Missing	Missing Data	2025-04-20T13:20:22	2025-04-21T18:02:41
bnfaospcu1mM1.b1	D250410.2	Incorrect	Incorrect Data	2025-04-09T14:00:00	2025-04-09T19:59:59
bnfaospcu1mM1.b1	D251104.13	Incorrect	Mentors on Site - No Valid Data	2025-10-21T00:00:00	2025-10-22T23:59:59
bnfaospcu1mM1.b1	D250530.1	Incorrect	Incorrect Data	2025-05-14T15:00:00	2025-05-14T22:59:59
bnfaospcu1mM1.b1	D250729.2	Incorrect	Incorrect Data	2025-07-18T14:00:00	2025-07-18T21:00:00
bnfaospcu1mM1.b1	D250905.10	Incorrect	Incorrect Data	2025-08-21T09:00:00	2025-08-21T19:00:00
bnfaospcu1mM1.b1	D251117.1	Incorrect	Incorrect Data	2025-11-14T13:00:00	2025-11-15T16:59:59

ARM Data Quality Report (DQR) Table

Datastream	DQR	Quality	Subject	Start Date	End Date
bnfaospcpu1mM1.b1	D250530.8	Incorrect	Incorrect Data	2025-05-30T17:00:00	2025-05-30T18:50:00
bnfaospcpu1mM1.b1	D250303.1	Incorrect	Incorrect Data	2025-02-24T00:00:00	2025-02-28T23:59:59
bnfaospcpu1mM1.b1	D250725.4	Incorrect	Incorrect Data	2025-07-06T09:00:00	2025-07-07T22:00:00
bnfaospcpu1mM1.b1	D241209.2	Incorrect	Incorrect Data	2024-12-07T03:00:00	2024-12-09T16:00:00
bnfaospcpu1mM1.b1	D250521.4	Incorrect	Incorrect Data	2025-05-19T07:00:00	2025-05-19T14:30:00
bnfaospcpu1mM1.b1	D250722.5	Incorrect	Incorrect Data	2025-07-22T14:30:00	2025-07-22T17:00:00
bnfaospcpu1mM1.b1	D250423.6	Incorrect	Incorrect Data	2025-04-11T12:30:00	2025-04-11T18:59:59
bnfaospcpu1mM1.b1	D241125.5	Incorrect	Incorrect Data	2024-11-25T16:00:00	2024-11-25T19:00:00
bnfaospcpu1mM1.b1	D250808.13	Incorrect	Incorrect Data	2025-07-18T12:00:00	2025-07-18T21:00:00
bnfaospcpu1mM1.b1	D250714.6	Incorrect	Mentors Performing Instrument Calibrations	2025-07-08T13:00:00	2025-07-12T00:00:00
bnfaospcpu1mM1.b1	D250620.6	Incorrect	Incorrect Data	2025-06-16T07:30:00	2025-06-16T15:00:00
bnfaospcpu1mM1.b1	D250814.3	Incorrect	Incorrect Data	2025-08-08T09:00:00	2025-08-08T16:30:00
bnfaospcpu1mM1.b1	D250702.1	Incorrect	Incorrect Data	2025-07-02T14:00:00	2025-07-02T16:05:00
bnfaospcpu1mM1.b1	D250808.1	Incorrect	Incorrect Data	2025-08-08T09:00:00	2025-08-08T14:30:00
bnfaospcpu1mM1.b1	D250702.2	Incorrect	Incorrect Data	2025-07-02T05:00:00	2025-07-02T14:05:00
bnfaospcpu1mM1.b1	D250317.5	Incorrect	Incorrect Data	2025-03-05T20:26:47	2025-03-07T01:00:00
bnfaospcpu1mM1.b1	D250109.2	Missing	Missing Data	2024-12-29T04:37:12	2024-12-30T15:18:27
bnfaospcpu1mM1.b1	D241125.3	Missing	No Data	2024-11-18T15:00:00	2024-11-25T16:00:00
bnfaospcpu1mM1.b1	D250423.4	Missing	Missing Data	2025-04-20T13:20:22	2025-04-21T19:59:59
bnfaospcpu1mM1.b1	D250414.8	Missing	Missing Data	2025-04-12T14:44:32	2025-04-14T12:23:12
bnfaospcpu1mM1.b1	D241116.3	Missing	Missing Data	2024-10-29T14:23:32	2024-11-01T17:34:24
bnfaospcpu1mM1.b1	D250130.4	Missing	Missing Data	2025-01-10T16:51:27	2025-01-13T14:49:39
bnfaospcpu1mM1.b1	D250219.2	Missing	Missing Data	2025-02-16T05:39:59	2025-02-17T20:45:00
bnfaospcpu1mM1.b1	D250715.1	Suspect	Suspect Data	2025-07-04T12:00:00	2025-07-06T09:00:00
bnfaospcpu1mM1.b1	D241116.4	Suspect	Suspect	2024-11-01T06:00:00	2024-11-05T06:00:00
bnfaosnephdry1mM1.b1	D250325.1	Incorrect	Bulb Burned Out	2025-03-12T04:50:00	2025-03-12T15:00:00
bnfaosnephdry1mM1.b1	D250414.4	Incorrect	No Valid Data	2025-04-10T23:00:00	2025-04-11T13:00:00
bnfaosnephdry1mM1.b1	D251104.13	Incorrect	Mentors on Site - No Valid Data	2025-10-21T00:00:00	2025-10-22T23:59:59
bnfaosnephdry1mM1.b1	D250714.6	Incorrect	Mentors Performing Instrument Calibrations	2025-07-08T13:00:00	2025-07-12T00:00:00
bnfaosnephdry1mM1.b1	D241105.3	Incorrect	Bulb Burned Out	2024-10-01T04:14:47	2024-10-30T23:59:59

ARM Data Quality Report (DQR) Table

Datastream	DQR	Quality	Subject	Start Date	End Date
bnfaosnephdry1mM1.b1	D250303.1	Incorrect	Incorrect Data	2025-02-24T00:00:00	2025-02-28T23:59:59
bnfaosnephdry1mM1.b1	D241127.1	Incorrect	Nephelometer Bulb Burned Out	2024-11-08T03:00:00	2024-11-12T18:00:00
bnfaosnephdry1mM1.b1	D250307.12	Incorrect	Bulb Burned Out	2025-02-11T19:00:00	2025-02-20T20:00:00
bnfaosnephdry1mM1.b1	D250501.1	Missing	Power Outage	2025-04-20T13:20:27	2025-04-21T17:57:25
bnfaosnephdry1mM1.b1	D250107.6	Missing	Data Missing	2024-12-29T04:37:11	2024-12-30T14:32:12
bnfaosnephdry1mM1.b1	D250121.5	Missing	Instrument Offline	2025-01-10T16:51:23	2025-01-13T14:48:44
bnfaosnephdry1mM1.b1	D250106.6	Missing	Data Missing	2024-12-25T14:51:48	2024-12-27T15:00:00
bnfaosnephdry1mM1.b1	D250602.4	Suspect	Sample Flow not Actively Dried	2024-10-01T00:00:00	2025-05-29T00:00:00
bnfaosnephdry1mM1.b1	D250529.3	Suspect	Sample RH not Controlled	2024-10-01T00:00:00	2025-05-29T00:00:00
bnfaoso3M1.b1	D250204.4	Missing	Missing Data	2024-12-29T04:37:06	2024-12-30T14:59:10
bnfaoso3M1.b1	D250512.4	Missing	Missing Data	2025-04-12T14:44:29	2025-04-14T12:44:01
bnfaoso3M1.b1	D251022.5	Incorrect	Leak in Sample Line	2024-10-01T00:00:00	2025-10-03T18:00:00
bnfaoso3M1.b1	D251104.13	Incorrect	Mentors on Site - No Valid Data	2025-10-21T00:00:00	2025-10-22T23:59:59
bnfaoso3M1.b1	D250714.6	Incorrect	Mentors Performing Instrument Calibrations	2025-07-08T13:00:00	2025-07-12T00:00:00
bnfaoso3M1.b1	D250303.1	Incorrect	Incorrect Data	2025-02-24T00:00:00	2025-02-28T23:59:59
bnfaospsap3w1mM1.b1	D250917.6	Incorrect	Incorrect Data	2025-08-08T09:10:00	2025-08-08T14:10:00
bnfaospsap3w1mM1.b1	D250303.1	Incorrect	Incorrect Data	2025-02-24T00:00:00	2025-02-28T23:59:59
bnfaospsap3w1mM1.b1	D251104.13	Incorrect	Mentors on Site - No Valid Data	2025-10-21T00:00:00	2025-10-22T23:59:59
bnfaospsap3w1mM1.b1	D250917.2	Incorrect	Incorrect Data	2025-09-11T10:45:00	2025-09-11T13:52:00
bnfaospsap3w1mM1.b1	D250714.6	Incorrect	Mentors Performing Instrument Calibrations	2025-07-08T13:00:00	2025-07-12T00:00:00
bnfaospsap3w1mM1.b1	D241029.1	Incorrect	Bad Data	2024-10-01T00:00:00	2024-10-01T14:00:00
bnfaospsap3w1mM1.b1	D251121.1	Incorrect	Bad Data	2025-11-14T13:07:28	2025-11-14T17:47:43
bnfaospsap3w1mM1.b1	D241025.1	Incorrect	Incorrect PSAP Data	2024-10-22T13:43:00	2024-10-24T13:43:00
bnfaospsap3w1mM1.b1	D241125.1	Incorrect	PSAP Leaking	2024-10-22T13:51:00	2024-11-01T19:46:00
bnfaospsap3w1mM1.b1	D241125.2	Incorrect	Flow Pump Failed	2024-11-12T23:00:00	2024-11-22T20:05:00
bnfaospsap3w1mM1.b1	D250214.9	Missing	Power Outage	2025-01-10T16:51:26	2025-01-13T14:56:07
bnfaospsap3w1mM1.b1	D250409.10	Missing	Missing Data	2025-03-14T02:32:25	2025-03-17T15:32:19
bnfaospsap3w1mM1.b1	D250408.3	Missing	Missing Data	2025-02-16T05:48:19	2025-02-17T15:56:12
bnfaospsap3w1mM1.b1	D250512.11	Missing	Missing Data	2025-04-20T13:20:22	2025-04-21T17:39:15
bnfaospsap3w1mM1.b1	D250522.10	Missing	Missing Data	2025-04-12T14:44:32	2025-04-14T13:15:26

ARM Data Quality Report (DQR) Table

Datastream	DQR	Quality	Subject	Start Date	End Date
bnfaospsap3w1mM1.b1	D250529.3	Suspect	Sample RH not Controlled	2024-10-01T00:00:00	2025-05-29T00:00:00
bnfaospsap3w1mM1.b1	D250602.4	Suspect	Sample Flow not Actively Dried	2024-10-01T00:00:00	2025-05-29T00:00:00
bnfaossmmpsM1.b1	D250620.6	Incorrect	Incorrect Data	2025-06-16T07:30:00	2025-06-16T15:00:00
bnfaossmmpsM1.b1	D250530.1	Incorrect	Incorrect Data	2025-05-14T15:00:00	2025-05-14T22:59:59
bnfaossmmpsM1.b1	D241125.5	Incorrect	Incorrect Data	2024-11-16T00:30:00	2024-11-18T15:00:00
bnfaossmmpsM1.b1	D241105.1	Incorrect	Incorrect Data	2024-10-28T20:00:00	2024-10-29T18:00:00
bnfaossmmpsM1.b1	D250725.5	Incorrect	Incorrect Data	2025-07-22T14:30:00	2025-07-22T16:59:59
bnfaossmmpsM1.b1	D250808.1	Incorrect	Incorrect Data	2025-08-08T09:00:00	2025-08-08T14:30:00
bnfaossmmpsM1.b1	D250814.3	Incorrect	Incorrect Data	2025-08-08T09:00:00	2025-08-08T16:30:00
bnfaossmmpsM1.b1	D250722.5	Incorrect	Incorrect Data	2025-07-22T14:30:00	2025-07-22T17:00:00
bnfaossmmpsM1.b1	D250513.4	Incorrect	Incorrect Data	2025-05-04T19:00:00	2025-05-06T06:59:59
bnfaossmmpsM1.b1	D250530.8	Incorrect	Incorrect Data	2025-05-30T17:00:00	2025-05-30T18:50:00
bnfaossmmpsM1.b1	D250521.4	Incorrect	Incorrect Data	2025-05-19T07:00:00	2025-05-19T14:30:00
bnfaossmmpsM1.b1	D250702.1	Incorrect	Incorrect Data	2025-07-02T14:00:00	2025-07-02T16:05:00
bnfaossmmpsM1.b1	D251104.13	Incorrect	Mentors on Site - No Valid Data	2025-10-21T00:00:00	2025-10-22T23:59:59
bnfaossmmpsM1.b1	D250512.8	Incorrect	Incorrect Data	2025-04-23T14:30:00	2025-04-24T17:50:00
bnfaossmmpsM1.b1	D250714.6	Incorrect	Mentors Performing Instrument Calibrations	2025-07-08T13:00:00	2025-07-12T00:00:00
bnfaossmmpsM1.b1	D250303.1	Incorrect	Incorrect Data	2025-02-24T00:00:00	2025-02-28T23:59:59
bnfaossmmpsM1.b1	D250410.2	Incorrect	Incorrect Data	2025-04-09T14:00:00	2025-04-09T19:59:59
bnfaossmmpsM1.b1	D250219.2	Missing	Missing Data	2025-02-16T05:39:59	2025-02-17T20:45:00
bnfaossmmpsM1.b1	D250127.5	Missing	Missing Data	2025-01-22T16:45:00	2025-01-23T14:50:00
bnfaossmmpsM1.b1	D241209.1	Missing	Missing Data	2024-12-07T13:54:57	2024-12-09T15:00:00
bnfaossmmpsM1.b1	D250423.5	Missing	Missing Data	2025-04-20T02:00:00	2025-04-21T19:59:59
bnfaossmmpsM1.b1	D250109.1	Missing	No Data	2024-12-29T04:30:00	2025-01-02T22:45:00
bnfaossmmpsM1.b1	D241029.12	Missing	Missing Data	2024-10-14T20:20:00	2024-10-16T16:15:00
bnfaossmmpsM1.b1	D250313.2	Missing	Missing Data	2025-03-05T00:55:00	2025-03-06T01:35:00
bnfaossmmpsM1.b1	D250620.1	Missing	Missing Data	2025-06-07T08:19:57	2025-06-09T19:20:00
bnfaossmmpsM1.b1	D241125.3	Missing	No Data	2024-11-18T15:00:00	2024-11-25T16:00:00
bnfaossmmpsM1.b1	D251110.4	Missing	Missing Data	2025-10-31T01:10:00	2025-11-03T15:30:33
bnfaossmmpsM1.b1	D250414.7	Missing	Missing Data	2025-04-12T14:39:57	2025-04-14T15:20:00

ARM Data Quality Report (DQR) Table

Datastream	DQR	Quality	Subject	Start Date	End Date
bnfaossmmpsM1.b1	D250127.4	Missing	Missing Data	2025-01-10T16:45:00	2025-01-13T16:00:00
bnfaossmmpsM1.b1	D250808.8	Missing	Missing Data	2025-06-27T23:30:00	2025-06-29T01:45:00
bnfaossmmpsM1.b1	D250606.7	Missing	Missing Data	2025-05-31T23:40:00	2025-06-02T12:35:00
bnfaosso2M1.b1	D250516.7	Missing	No Data Available - Power Outage	2025-04-20T13:20:22	2025-04-21T18:07:32
bnfaosso2M1.b1	D250408.2	Missing	Data Unavailable	2025-02-16T05:48:19	2025-02-17T15:57:51
bnfaosso2M1.b1	D250129.2	Missing	Data Unavailable	2024-11-04T19:29:03	2024-11-07T21:36:39
bnfaosso2M1.b1	D251104.13	Incorrect	Mentors on Site - No Valid Data	2025-10-21T00:00:00	2025-10-22T23:59:59
bnfaosso2M1.b1	D250307.13	Incorrect	Incorrect Data	2025-02-03T03:55:00	2025-02-03T05:00:00
bnfaosso2M1.b1	D251022.4	Incorrect	Leak in Sample Line	2024-10-01T00:00:00	2025-10-03T18:00:00
bnfaosso2M1.b1	D250303.1	Incorrect	Incorrect Data	2025-02-24T00:00:00	2025-02-28T23:59:59
bnfaosso2M1.b1	D250714.6	Incorrect	Mentors Performing Instrument Calibrations	2025-07-08T13:00:00	2025-07-12T00:00:00
bnfaossp2xrM1.b1	D250918.2	Missing	Missing Data	2024-12-29T04:37:09	2024-12-30T15:24:53
bnfaossp2xrM1.b1	D250711.5	Missing	Missing Data	2025-04-12T14:44:26	2025-04-14T12:40:14
bnfaossp2xrM1.b1	D250714.6	Incorrect	Mentors Performing Instrument Calibrations	2025-07-08T13:00:00	2025-07-12T00:00:00
bnfaossp2xrM1.b1	D251104.13	Incorrect	Mentors on Site - No Valid Data	2025-10-21T00:00:00	2025-10-22T23:59:59
bnfaossp2xrM1.b1	D250722.2	Incorrect	Condensation in Sample Bypass Line	2025-07-21T15:15:00	2025-07-21T19:30:00
bnfaossp2xrM1.b1	D250303.1	Incorrect	Incorrect Data	2025-02-24T00:00:00	2025-02-28T23:59:59
bnfaosuhsasM1.b1	D250702.1	Incorrect	Incorrect Data	2025-07-02T14:00:00	2025-07-02T16:05:00
bnfaosuhsasM1.b1	D250714.6	Incorrect	Mentors Performing Instrument Calibrations	2025-07-08T13:00:00	2025-07-12T00:00:00
bnfaosuhsasM1.b1	D251104.13	Incorrect	Mentors on Site - No Valid Data	2025-10-21T00:00:00	2025-10-22T23:59:59
bnfaosuhsasM1.b1	D250303.1	Incorrect	Incorrect Data	2025-02-24T00:00:00	2025-02-28T23:59:59
bnfaosuhsasM1.b1	D250311.4	Missing	Power Outage	2025-02-16T04:59:56	2025-02-18T16:32:32
bnfaosuhsasM1.b1	D250414.2	Missing	Power Outage	2025-04-20T13:00:00	2025-04-24T14:00:00
bnfaosuhsasM1.b1	D250604.2	Missing	Instrument Software Offline	2025-05-17T02:59:59	2025-05-23T18:00:03
bnfaosuhsasM1.b1	D251104.7	Missing	Instrument Offline	2025-01-10T15:59:59	2025-01-28T17:00:03
bnfaosuhsasM1.b1	D241205.1	Missing	Gaps in the Data	2024-10-17T01:00:00	2024-12-03T18:00:00
bnfaosuhsasM1.b1	D250107.5	Missing	Missing Data	2024-12-25T13:59:51	2025-01-02T16:17:03



## ARM Data Object Identifier (DOI) Table

Instrument	DOI
ACSM	Shilling, J., Anna, M., Shippert, T., Hayes, C., Allain, M., Salwen, C., & Behrens, B. Aerosol Chemical Speciation Monitor (AOSACSMTOFSPEC), 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/10.5439/1822138">https://doi.org/10.5439/1822138</a>
AOSMET	Kyrouac, J., & Tuftedal, M. Meteorological Measurements associated with the Aerosol Observing System (AOSMET), 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/10.5439/1984920">https://doi.org/10.5439/1984920</a>
APS	Singh, A., Oliveira, D., Koontz, A., Sedlacek, A., & Kuang, C. Aerodynamic Particle Sizer (AOSAPS), 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/10.5439/1407135">https://doi.org/10.5439/1407135</a>
CAPS-PMEX	Koontz, A., Sedlacek, A., & Smith, S. Cavity Attenuated Phase Shift Extinction Monitor (AOSCAPS3W), 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/10.5439/1406888">https://doi.org/10.5439/1406888</a>
CCN	Koontz, A., Uin, J., Andrews, E., Enekwizu, O., Hayes, C., & Salwen, C. Cloud Condensation Nuclei Particle Counter (AOSCCN2COLA), 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/10.5439/1323892">https://doi.org/10.5439/1323892</a>
CO-ANALYZER	Koontz, A., Springston, S., & Trojanowski, R. Carbon Monoxide Analyzer (AOSCO), 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/10.5439/1250819">https://doi.org/10.5439/1250819</a>
CPC	Flynn, C., Ermold, B., Andrews, E., Kuang, C., Hayes, C., Singh, A., & Salwen, C. Condensation Particle Counter (AOSPCF1M), 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/10.5439/1398277">https://doi.org/10.5439/1398277</a>
NEPHELOMETER	Uin, J., Hayes, C., & Mayol Bracero, O. Nephelometer (AOSNEPHDRY1M), 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/10.5439/1984586">https://doi.org/10.5439/1984586</a>
OZONE	Springston, S., Koontz, A., & Trojanowski, R. Ozone Monitor (AOSO3), 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/10.5439/1346692">https://doi.org/10.5439/1346692</a>
PSAP	Ermold, B., Flynn, C., Trojanowski, R., Andrews, E., Hayes, C., Salwen, C., & Flynn, C. Particle Soot Absorption Photometer (AOSPSAP3W1M), 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/10.5439/1225037">https://doi.org/10.5439/1225037</a>
SMPS	Kuang, C., Singh, A., Howie, J., Salwen, C., & Hayes, C. Scanning mobility particle sizer (AOSMPS), 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/10.5439/1476898">https://doi.org/10.5439/1476898</a>
SO2	Trojanowski, R. Sulfur Dioxide Monitor (AOSSO2), 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/10.5439/1250820">https://doi.org/10.5439/1250820</a>
SP2	Sedlacek, A., & Ermold, B. Single Particle Soot Photometer (AOSSP2XR), 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/10.5439/2507427">https://doi.org/10.5439/2507427</a>

ARM Data Object Identifier (DOI) Table

Instrument	DOI
UHSAS	Uin, J., Senum, G., Koontz, A., Flynn, C., Salwen, C., & Hayes, C. Ultra-High Sensitivity Aerosol Spectrometer (AOSUHSAS), 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/10.5439/1409033">https://doi.org/10.5439/1409033</a>