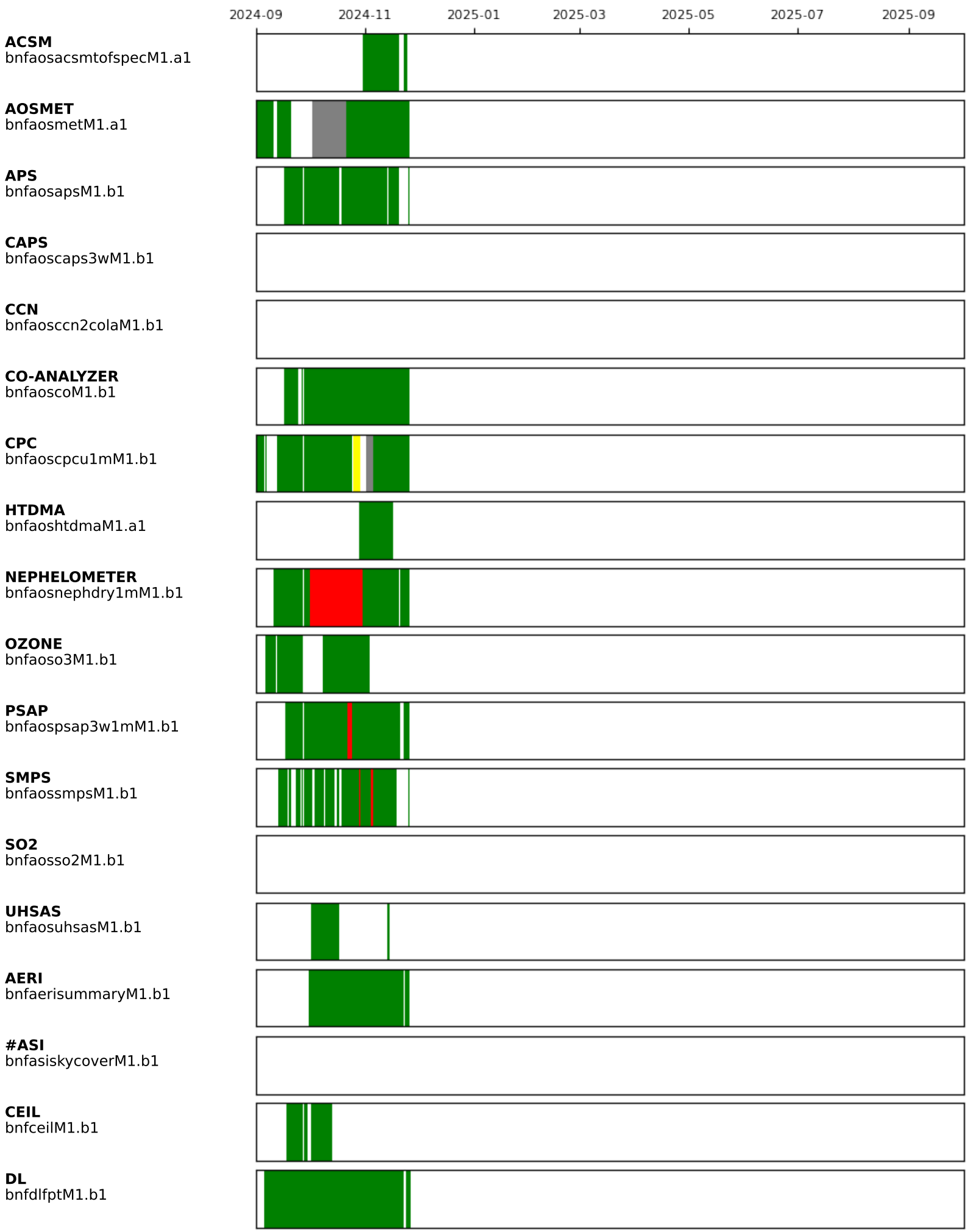
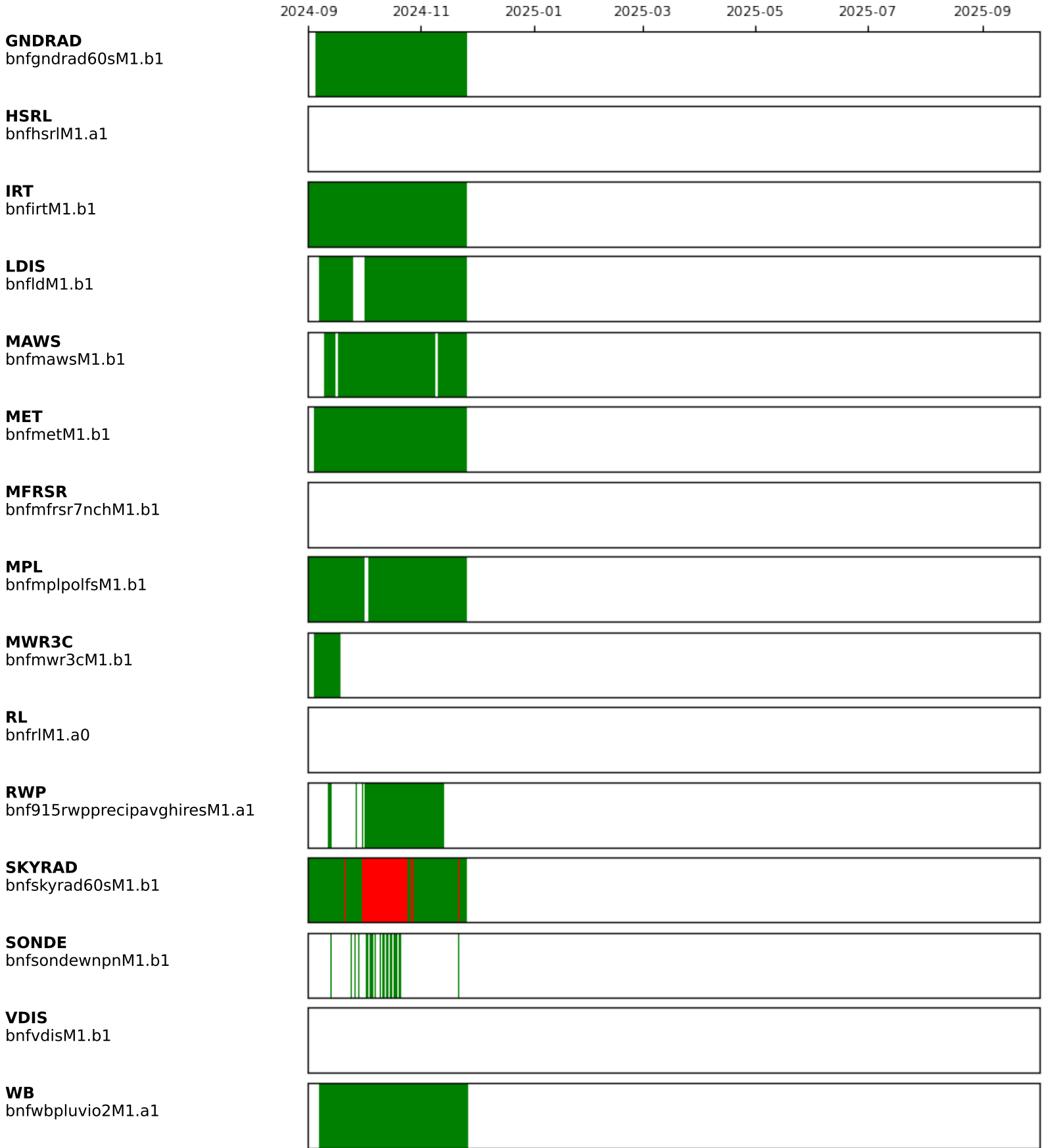


Bankhead National Forest, AL, AMF3 (Main Site)  
Atmospheric Radiation Measurement User Facility





ARM Data Quality Report (DQR) Table

Datastream	DQR	Quality	Subject	Start Date	End Date
bnfaosmetM1.a1	D241031.1	Missing	Failed Power and Intermittent Communications	2024-10-01T00:00:00	2024-10-21T20:27:59
bnfaospcu1mM1.b1	D241116.4	Suspect	Suspect	2024-10-25T18:00:00	2024-10-29T13:00:00
bnfaospcu1mM1.b1	D241116.3	Missing	Missing Data	2024-10-29T14:23:32	2024-11-01T17:34:24
bnfaosnephdry1mM1.b1	D241105.3	Incorrect	Bulb Burned Out	2024-10-01T04:14:41	2024-10-30T23:59:59
bnfaospsap3w1mM1.b1	D241029.1	Incorrect	Bad Data	2024-10-01T00:00:00	2024-10-01T14:00:00
bnfaospsap3w1mM1.b1	D241025.1	Incorrect	Incorrect PSAP Data	2024-10-22T13:43:00	2024-10-24T13:43:00
bnfaossmmpsM1.b1	D241029.12	Missing	Missing Data	2024-10-14T20:20:03	2024-10-16T16:15:00
bnfaossmmpsM1.b1	D241105.1	Incorrect	Incorrect Data	2024-10-28T20:00:00	2024-10-29T18:00:00
bnfskyrad60sM1.b1	D240929.3	Incorrect	Incorrect Data	2024-10-09T11:50:24	2024-10-09T12:59:00
bnfskyrad60sM1.b1	D241112.3	Incorrect	Data Incorrect due to Reversed Signal Polarity	2024-10-01T00:00:00	2024-10-24T18:27:00

## 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). 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). 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). Atmospheric Radiation Measurement (ARM) User Facility. <a href="https://doi.org/10.5439/1407135">https://doi.org/10.5439/1407135</a>
CAPS	N/A
CCN	Uin, J., Koontz, A., Andrews, E., Enekwizu, O., Hayes, C., & Salwen, C. Cloud Condensation Nuclei Particle Counter (AOSCCN100). Atmospheric Radiation Measurement (ARM) User Facility. <a href="https://doi.org/10.5439/1227964">https://doi.org/10.5439/1227964</a>
CO-ANALYZER	Koontz, A., Springston, S., & Trojanowski, R. Carbon Monoxide Analyzer (AOSCO). 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). Atmospheric Radiation Measurement (ARM) User Facility. <a href="https://doi.org/10.5439/1398277">https://doi.org/10.5439/1398277</a>
HTDMA	Uin, J., Cromwel, E., Hayes, C., & Salwen, C. Humidified Tandem Differential Mobility Analyzer (AOSHTDMA). Atmospheric Radiation Measurement (ARM) User Facility. <a href="https://doi.org/10.5439/1095581">https://doi.org/10.5439/1095581</a>
NEPHELOMETER	Uin, J., Hayes, C., & Mayol Bracero, O. Nephelometer (AOSNEPHDRY1M). 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). 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). 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 (AOSSMPS). Atmospheric Radiation Measurement (ARM) User Facility. <a href="https://doi.org/10.5439/1476898">https://doi.org/10.5439/1476898</a>
SO2	Trojanowski, R., Springston, S., & Koontz, A. Sulfur Dioxide Monitor (AOSSO2). Atmospheric Radiation Measurement (ARM) User Facility. <a href="https://doi.org/10.5439/1342164">https://doi.org/10.5439/1342164</a>
UHSAS	Uin, J., Senum, G., Koontz, A., Flynn, C., Salwen, C., & Hayes, C. Ultra-High Sensitivity Aerosol Spectrometer (AOSUHSAS). Atmospheric Radiation Measurement (ARM) User Facility. <a href="https://doi.org/10.5439/1409033">https://doi.org/10.5439/1409033</a>
AERI	Gero, J., Garcia, R., Hackel, D., Ermold, B., & Gaustad, K. Atmospheric Emitted Radiance Interferometer (AERICH1). Atmospheric Radiation Measurement (ARM) User Facility. <a href="https://doi.org/10.5439/1989299">https://doi.org/10.5439/1989299</a>
#ASI	N/A
CEIL	Zhang, D., Morris, V., & Ermold, B. Ceilometer (CEIL10M). Atmospheric Radiation Measurement (ARM) User Facility. <a href="https://doi.org/10.5439/1497398">https://doi.org/10.5439/1497398</a>

## ARM Data Object Identifier (DOI) Table

Instrument	DOI
DL	Newsom, R., Shi, Y., & Krishnamurthy, R. Doppler Lidar (DLFPT). Atmospheric Radiation Measurement (ARM) User Facility. <a href="https://doi.org/10.5439/1025185">https://doi.org/10.5439/1025185</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). Atmospheric Radiation Measurement (ARM) User Facility. <a href="https://doi.org/10.5439/1377837">https://doi.org/10.5439/1377837</a>
HSRL	Bambha, R., Eloranta, E., Garcia, J., & Ermold, B. High Spectral Resolution Lidar (HSRL). Atmospheric Radiation Measurement (ARM) User Facility. <a href="https://doi.org/10.5439/1972278">https://doi.org/10.5439/1972278</a>
IRT	Shi, Y., Howie, J., Goldberger, L., & Morris, V. Infrared Thermometer (IRT). Atmospheric Radiation Measurement (ARM) User Facility. <a href="https://doi.org/10.5439/1329238">https://doi.org/10.5439/1329238</a>
LDIS	Zhu, Z., Wang, D., & Shi, Y. Laser Disdrometer (LD). Atmospheric Radiation Measurement (ARM) User Facility. <a href="https://doi.org/10.5439/1973058">https://doi.org/10.5439/1973058</a>
MAWS	Keeler, E., Kyrouac, J., & Ermold, B. Automatic Weather Station (MAWS). Atmospheric Radiation Measurement (ARM) User Facility. <a href="https://doi.org/10.5439/1162061">https://doi.org/10.5439/1162061</a>
MET	Kyrouac, J., Shi, Y., & Tuftedal, M. Surface Meteorological Instrumentation (MET). Atmospheric Radiation Measurement (ARM) User Facility. <a href="https://doi.org/10.5439/1786358">https://doi.org/10.5439/1786358</a>
MFRSR	Hodges, G., Ermold, B., & Herrera, C. Multifilter Rotating Shadowband Radiometer (MFRSR). Atmospheric Radiation Measurement (ARM) User Facility. <a href="https://doi.org/10.5439/1462546">https://doi.org/10.5439/1462546</a>
MPL	Muradyan, P., Cromwell, E., Koontz, A., Coulter, R., Flynn, C., Ermold, B., & OBrien, J. Micropulse Lidar (MPLPOLFS). Atmospheric Radiation Measurement (ARM) User Facility. <a href="https://doi.org/10.5439/1320657">https://doi.org/10.5439/1320657</a>
MWR3C	Cadeddu, M., Gibler, G., Koontz, A., & Tuftedal, M. Microwave Radiometer, 3 Channel (MWR3C). Atmospheric Radiation Measurement (ARM) User Facility. <a href="https://doi.org/10.5439/1025248">https://doi.org/10.5439/1025248</a>
RL	Newsom, R., Bambha, R., & Chand, D. Raman Lidar (RL). Atmospheric Radiation Measurement (ARM) User Facility. <a href="https://doi.org/10.5439/1996909">https://doi.org/10.5439/1996909</a>
RWP	Muradyan, P., & Ermold, B. Radar Wind Profiler (915RWPPRECIPAVGHIRE). Atmospheric Radiation Measurement (ARM) User Facility. <a href="https://doi.org/10.5439/1572188">https://doi.org/10.5439/1572188</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). Atmospheric Radiation Measurement (ARM) User Facility. <a href="https://doi.org/10.5439/1377836">https://doi.org/10.5439/1377836</a>
SONDE	Keeler, E., Burk, K., & Kyrouac, J. Balloon-Borne Sounding System (SONDEWNP). Atmospheric Radiation Measurement (ARM) User Facility. <a href="https://doi.org/10.5439/1595321">https://doi.org/10.5439/1595321</a>
VDIS	Zhu, Z., & Wang, D. Video Disdrometer (VDIS). Atmospheric Radiation Measurement (ARM) User Facility. <a href="https://doi.org/10.5439/1992988">https://doi.org/10.5439/1992988</a>
WB	Wang, D., Jane, M., Cromwell, E., Sturm, M., Irving, K., Delamere, J., & Mockaitis, M. Weighing Bucket Precipitation Gauge (WBPLUVIO2). Atmospheric Radiation Measurement (ARM) User Facility. <a href="https://doi.org/10.5439/1338194">https://doi.org/10.5439/1338194</a>