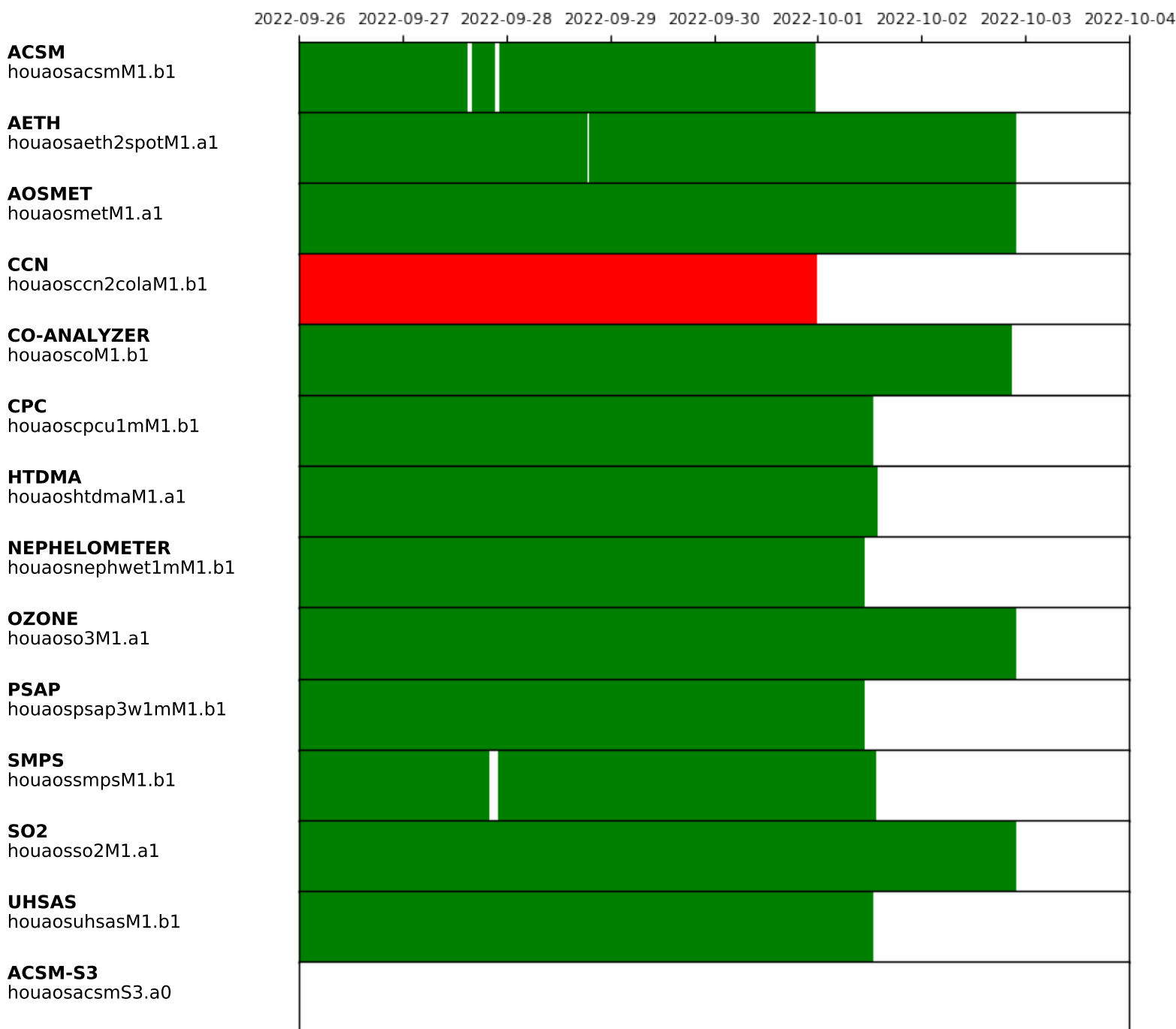


Houston, TX; AMF1 (main site for TRACER)

Atmospheric Radiation Measurement User Facility



ARM Data Quality Report (DQR) Table

Datastream	DQR	Quality	Subject	Start Date	End Date
houaosacsmM1.b1	D220815.5	missing	No Data	20220703.190001	20220709.172959
houaosacsmM1.b1	D220729.7	incorrect	Incorrect Data	20220615.120000	20220703.190000
houaosacsmM1.b1	D220602.3	incorrect	Mentors at Site Working on Instruments	20220521.140000	20220528.220000
houaosaeth2spotM1.a1	D220304.2	incorrect	System not Set Up nor Configured by the Mentor Team	20210818.135000	20210912.235959
houaosaeth2spotM1.a1	D220119.1	missing	Data Loss	20211224.050701	20220104.214159
houaosaeth2spotM1.a1	D211027.3	missing	Missing Data 10/1 - 10/4	20211001.000000	20211004.213859
houaosaeth2spotM1.a1	D220602.3	incorrect	Mentors at Site Working on Instruments	20220521.140000	20220528.220000
houaosmetM1.a1	D220829.12	missing	Missing Data	20220818.205901	20220822.174959
houaosmetM1.a1	D220721.3	missing	No Data	20220701.185501	20220718.161559
houaosmetM1.a1	D211022.2	missing	Missing Data	20211015.212701	20211018.220759
houaosmetM1.a1	D220721.4	incorrect	Wind Direction Incorrect	20220718.161600	20220721.181300
houaosccn2colaM1.b1	D220112.8	missing	Instrument Offline due to Internal Flooding	20220107.150000	20220110.180000
houaosccn2colaM1.b1	D220103.1	missing	Computer Hardware Failure	20211223.080000	20211228.152659
houaosccn2colaM1.b1	D211102.2	incorrect	Instrument Stopped for Maintenance	20211030.185557	20211102.170045
houaosccn2colaM1.b1	D220907.1	incorrect	Software Issues	20220902.040000	20221001.000000
houaosccn2colaM1.b1	D220825.3	incorrect	Water in the Flow Lines	20220812.140000	20220815.141659
houaosccn2colaM1.b1	D220602.3	incorrect	Mentors at Site Working on Instruments	20220521.140000	20220528.220000
houaosccn2colaM1.b1	D220504.2	incorrect	Internal Flooding	20220430.110000	20220502.110500
houaosccn2colaM1.b1	D220422.3	incorrect	Instrument Flooded	20220419.114500	20220420.140000
houaosccn2colaM1.b1	D220317.5	incorrect	Internal Flooding	20220314.120000	20220317.184000
houaosccn2colaM1.b1	D220314.4	missing	Internal Flooding	20220212.220001	20220215.235959
houaosccn2colaM1.b1	D220314.3	incorrect	Internal Flooding	20220226.151901	20220228.235959
houaosccn2colaM1.b1	D220308.4	incorrect	Flow Issues	20220225.160000	20220308.080000
houaosccn2colaM1.b1	D220210.24	incorrect	Instrument Sampling Through a Filter	20220209.200000	20220210.170000
houaoscoM1.b1	D220602.3	incorrect	Mentors at Site Working on Instruments	20220521.140000	20220528.220000
houaospcu1mM1.b1	D220304.2	incorrect	System not Set Up nor Configured by the Mentor Team	20210818.135000	20210912.235959
houaospcu1mM1.b1	D220602.3	incorrect	Mentors at Site Working on Instruments	20220521.140000	20220528.220000
houaospcu1mM1.b1	D220815.4	suspect	Instrument Vacuum Supply Issues	20220813.140000	20220814.150000
houaospcu1mM1.b1	D220701.5	incorrect	Questionable Data	20220701.190000	20220701.193000
houaospcu1mM1.b1	D220223.3	incorrect	Questionable Data	20220223.165000	20220223.175000

ARM Data Quality Report (DQR) Table

Datastream	DQR	Quality	Subject	Start Date	End Date
houaospcpu1mM1.b1	D211122.8	suspect	Questionable Data	20211118.200051	20211118.213000
houaospcpu1mM1.b1	D211006.4	incorrect	Questionable Data	20210917.190000	20210921.140000
houaoshtdmaM1.a1	D220811.4	incorrect	Flow Issues	20220809.173508	20220809.201638
houaoshtdmaM1.a1	D220729.15	incorrect	No Dry Air Supply	20220530.130000	20220530.150000
houaoshtdmaM1.a1	D220602.3	incorrect	Mentors at Site Working on Instruments	20220521.140000	20220528.220000
houaoshtdmaM1.a1	D220509.3	incorrect	Flow Issues	20220219.230000	20220506.220000
houaoshtdmaM1.a1	D211220.2	missing	Pump Failure	20211218.182000	20211220.162000
houaoshtdmaM1.a1	D211008.1	incorrect	Leak in Compressed Air Line	20211028.150000	20211029.160000
houaosnephwet1mM1.b1	D220304.2	incorrect	System not Set Up nor Configured by the Mentor Team	20210818.135000	20210912.235959
houaosnephwet1mM1.b1	D220602.3	incorrect	Mentors at Site Working on Instruments	20220521.140000	20220528.220000
houaoso3M1.a1	D220304.2	incorrect	System not Set Up nor Configured by the Mentor Team	20210818.135000	20210912.235959
houaoso3M1.a1	D220602.3	incorrect	Mentors at Site Working on Instruments	20220521.140000	20220528.220000
houaoso3M1.a1	D220825.1	incorrect	Incorrect Ozone Data -- No Flow and Low Pressure Affected Measurements	20220711.142100	20220712.133000
houaoso3M1.a1	D211202.2	suspect	Questionable Data	20210912.000000	20211108.185000
houaospsap3w1mM1.b1	D220304.2	incorrect	System not Set Up nor Configured by the Mentor Team	20210818.135000	20210912.235959
houaospsap3w1mM1.b1	D220602.3	incorrect	Mentors at Site Working on Instruments	20220521.140000	20220528.220000
houaossmpsM1.b1	D220706.3	incorrect	Incorrect Data	20220503.170000	20220503.190000
houaossmpsM1.b1	D220623.2	suspect	Questionable Data	20220620.120000	20220621.150000
houaossmpsM1.b1	D220602.3	incorrect	Mentors at Site Working on Instruments	20220521.140000	20220528.220000
houaossmpsM1.b1	D220304.2	incorrect	System not Set Up nor Configured by the Mentor Team	20210818.135000	20210912.235959
houaossmpsM1.b1	D220825.2	suspect	Instrument Check by Mentor	20220825.151500	20220825.161059
houaossmpsM1.b1	D220815.4	suspect	Instrument Vacuum Supply Issues	20220813.140000	20220814.150000
houaossmpsM1.b1	D220701.5	incorrect	Questionable Data	20220701.190000	20220701.193000
houaossmpsM1.b1	D220328.2	incorrect	Incorrect Data	20220321.154500	20220321.163000
houaossmpsM1.b1	D220301.2	incorrect	Questionable Data	20220301.173000	20220301.190000
houaosso2M1.a1	D220304.2	incorrect	System not Set Up nor Configured by the Mentor Team	20210818.135000	20210912.235959
houaosso2M1.a1	D220602.3	incorrect	Mentors at Site Working on Instruments	20220521.140000	20220528.220000
houaosso2M1.a1	D220225.2	incorrect	Pump Diaphragm Failed on SO2 Analyzer	20220222.123200	20220224.170000
houaosuhsasM1.b1	D220304.2	incorrect	System not Set Up nor Configured by the Mentor Team	20210818.135000	20210912.235959
houaosuhsasM1.b1	D220602.3	incorrect	Mentors at Site Working on Instruments	20220521.140000	20220528.220000

ARM Data Object Identifier (DOI) Table

Instrument	DOI
ACSM	Zawadowicz, M., & Watson, T. Aerosol Chemical Speciation Monitor (AOSACSM). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1558768
AETH	Sedlacek, A., & Salwen, C. Aethalometer (AOSAETH2SPOT). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1211529
AOSMET	Kyrouac, J., & Tuftedal, M. Meteorological Measurements associated with the Aerosol Observing System (AOSMET). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1025153
CCN	Koontz, A., & Uin, J. Cloud Condensation Nuclei Particle Counter (AOSCCN2COLA). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1323892
CO-ANALYZER	Koontz, A., & Springston, S. Carbon Monoxide Analyzer (AOSCO). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1250819
CPC	Flynn, C., & Ermold, B. Condensation Particle Counter (AOSCPCF1M). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1398277
HTDMA	Uin, J., & Cromwel, E. Humidified Tandem Differential Mobility Analyzer (AOSHTDMA). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1095581
NEPHELOMETER	Uin, J., Salwen, C., & Senum, G. Nephelometer (AOSNEPHDRY1M). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1259232
OZONE	Trojanowski, R. Ozone Monitor (AOSO3). Atmospheric Radiation Measurement (ARM) User Facility.
PSAP	Ermold, B., & Flynn, C. Particle Soot Absorption Photometer (AOSPSAP3W1M). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1225037
SMPS	Kuang, C., Singh, A., & Howie, J. Scanning mobility particle sizer (AOSSMPS). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1476898
SO2	Koontz, A., & Springston, S. Sulfur Dioxide Monitor (AOSSO2). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1342164
UHSAS	Uin, J., Senum, G., Koontz, A., & Flynn, C. Ultra-High Sensitivity Aerosol Spectrometer (AOSUHSAS). Atmospheric Radiation Measurement (ARM) User Facility. https://doi.org/10.5439/1409033
ACSM-S3	N/A