2026 CASTNET Annual Network Plan

Air Quality Assessment Division
Office of State Air Partnerships
US Environmental Protection Agency

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Table of Contents

1. Network Overview 3
2. Ozone and Trace-level Gas Data 6
3. Exceptional Events 6
4. Network Audit Requirements 7
5. Quality Control Checks 7
6. Performance Evaluations (PE) 8
7. Field Systems Audit (FSA) 11
8. National Performance Audit Program (NPAP) 12
9. Technical Systems Audit (TSA) 12
10. Annual Monitoring Network Plans and Network Assessment 12
11. Network Modification 14
12. Data Reporting and Certification 14

Appendix A. Detailed Site Information 15
Appendix B. Quality Assurance Validation Template[1] 96
Appendix C. Ozone Season by State[1,2] 107
Appendix D. CASTNET QAPP Ozone Certification Flowchart 109
Appendix E. EPA Regional Office Contacts Information 110
Appendix F. Outline for TSA Report 111
Appendix G. Current list of 40 CFR Part 58 Compliant CASTNET Ozone and Trace-level Gas Monitors 112
Appendix H. CBSA Code and Title for CASTNET Sites 115
Appendix I. Summary of Current CASTNET Ozone and Trace-level Gas Monitors 118
Appendix J. CASTNET Parameter Key 119
Appendix K. CASTNET Suspended Site List 121
Appendix L. CASTNET Asset Management Table 122

List of Tables

Table 1 Quality Control Checks 8
Table 2 Audit Levels for Performance Evaluations (PE) 8
Table 3 Proposed PE and FSA Schedule 9
Table 4 Annual Network Plan Schedule 12

List of Figures

Figure 1 CASTNET Project Organization 3
Figure 2 Active CASTNET sites in 2026 5

1. Network Overview

The Annual Monitoring Network Plan is a document required under the Code of Federal Regulations Title 40 Part 58.10 (40 CFR Part 58.10) that describes the current status of the air quality monitoring network and planned network changes, including an overview of the monitoring site locations, quality assurance programs, and any planned changes to the monitoring network as required in Appendices A, B, C, D, and E of 40 CFR Part 58.

The Clean Air Status and Trends Network (CASTNET) is a cross-agency multipollutant monitoring network designed to report trends in regional air quality including ozone (O_3), oxidized and reduced forms of nitrogen (N), carbon monoxide (CO), and oxidized sulfur (S). CASTNET fills an important role to the US air monitoring program by providing data in rural communities that are often not monitored by other state, local, Tribal, or federal agencies. CASTNET data are used to assess regional and international pollutant transport, validate and evaluate chemical transport models (e.g., the Community Multiscale Air Quality (CMAQ) model), and inform the National Ambient Air Quality Standards (NAAQS) reviews that consider human health and environmental impacts due to air pollution. CASTNET is managed collaboratively by the US Environmental Protection Agency (EPA) Air Quality Assessment Division and the National Park Service (NPS) Air Resources Division. In addition to the EPA and NPS, numerous other participants provide network support including Tribes and other federal and state agencies, private landowners, and universities. The EPA contractor, WSP, supports the operation the EPA-sponsored sites while the NPS contractor, Air Resource Specialists, Inc. (ARS), supports the remaining sites. Figure 1 details the management structure of CASTNET operations. A summary of the entire CASTNET monitoring program is available online[1].

US Government	US Government Contractors

EPA – Air Quality Assessment Division
• **Project Officer**
• **Quality Assurance (QA) Manager**
• **Technical Monitors**
• **Administrative Contracting Officer**
• **Contract Property Coordinator**
	WSP
	• **Project Manager**
	  ○ Field Operations Manager
	  ○ Laboratory Operations Manager
	  ○ Data Management, Analysis, Interpretation, and Reporting Manager
	  ○ Property Control Manager
	• **QA Supervisor**
	  ○ QA Manager

NPS – Air Resources Division
• **Contracting Officer's Representative (COR)**
• **QA Coordinator**
	ARS
	• **Program Manager**
	  ○ Network Operations Manager
	  ○ Data Management Manager
	• **QA Officer**

Figure 1. CASTNET Project Organization

Ninety CASTNET sites measure weekly concentrations of nitrate (NO_3^-), nitric acid (HNO_3), ammonium (NH_4^+), chloride (Cl^-), sulfur dioxide (SO_2)[2], sulfate (SO_4^{2-}), and base cations using a 2- or 3-stage filter pack (see Figure 2). Each site also reports hourly 9-meter temperature data to convert calculated concentrations at standard temperature and pressure to local conditions. Eighty CASTNET sites collect ambient O_3 concentrations, reported as hourly averages, using an ultraviolet photometric analyzer. Seventy-nine of the eighty CASTNET O_3 analyzers meet the ambient monitoring and quality assurance requirements of 40 CFR Part 58 Appendices A, C, D and E. The O_3 analyzer at Duke Forest, NC (DUK008) does not meet the siting criteria requirements from Appendix E of Part 58 because it has an inlet above the forest canopy at a height of 48 meters. Monitoring objectives, site types, detailed siting criteria, and other relevant parameters for each monitoring site are summarized in Appendix A of this plan.

In addition to weekly filter pack and hourly temperature and O_3 measurements, thirty-four CASTNET sites report other hourly meteorological parameters. CASTNET also measures trace-level nitric oxide (NO)/total reactive nitrogen (NOy), SO_2, and CO at

[1] CASTNET monitoring program https://www.epa.gov/system/files/documents/2025-05/epa-2025_v-3_0.pdf

[2] Filter pack (SO_2) measurements were discontinued at all NPS and most EPA-sponsored monitoring sites.

select sites. CASTNET O_3 and trace-level gas monitors report hourly measurements throughout the entire year. O_3 analyzers are challenged nightly with known concentrations delivered from the on-site transfer standard and trace gas analyzers are challenged every other night for fast-response troubleshooting.

To monitor consistency between the agencies, the EPA operates a co-located site (ROM206) at the NPS CASTNET site located in Rocky Mountain National Park, CO (ROM406). Also, the EPA operates a pair of co-located sites (MCK131 and MCK231) in Mackville, KY with the co-located quality assurance (QA) site identified as MCK231. Data from ROM206 and MCK231 are routinely analyzed to assess precision of the measurements and to identify biases that may arise. The CASTNET QA program is independent of the program management. The QA program routinely assesses compliance with the CASTNET Quality Assurance Project Plan (QAPP)[3] through internal monitoring, including audits and on-site system checks. Additionally, network QA is assessed through an independent audit program managed by the EPA as per 40 CFR (ADD INFO). Annual Performance Evaluation (PE) audits at most CASTNET sites are performed by Environmental Engineering & Measurement Services, Inc. (EE&MS). The remaining sites not audited by EE&MS receive PE audits by state, local, or Tribal agencies to fulfill the annual PE audit CFR requirement. EE&MS also assesses compliance with the CASTNET QAPP through a Field Systems Audit (FSA) at every CASTNET site every other year following protocols listed in the EPA QA Handbook.[4] The FSA is a complementary component to the facility technical systems audit (TSA) performed by another independent auditor at both the EPA and NPS contractors' operations centers every third year.

The EPA uses CASTNET O_3 and trace-level gas data to calculate design values for all sites where data completeness requirements are met. The CASTNET program follows QA/quality control (QC) procedures and schedules to meet the regulatory requirements detailed in Appendix B of this plan. This Network Plan includes:

- an overview of the CASTNET regulatory O_3 and trace-level gas monitoring program,
- a description of the internal and external QA programs, any planned changes to the network, and
- a description of each monitoring site.

The procedures in this Network Plan follow the requirements found in 40 CFR Part 58.10.

[3] CASTNET Quality Assurance Project Plan v10.2
https://www.epa.gov/castnet/documents-reports#QualityAssuranceProjectPlan

[4] Quality Assurance Handbook for Air Pollution Measurement Systems Volume II, January 2017
https://www.epa.gov/sites/default/files/2020-10/documents/final_handbook_document_1_17.pdf

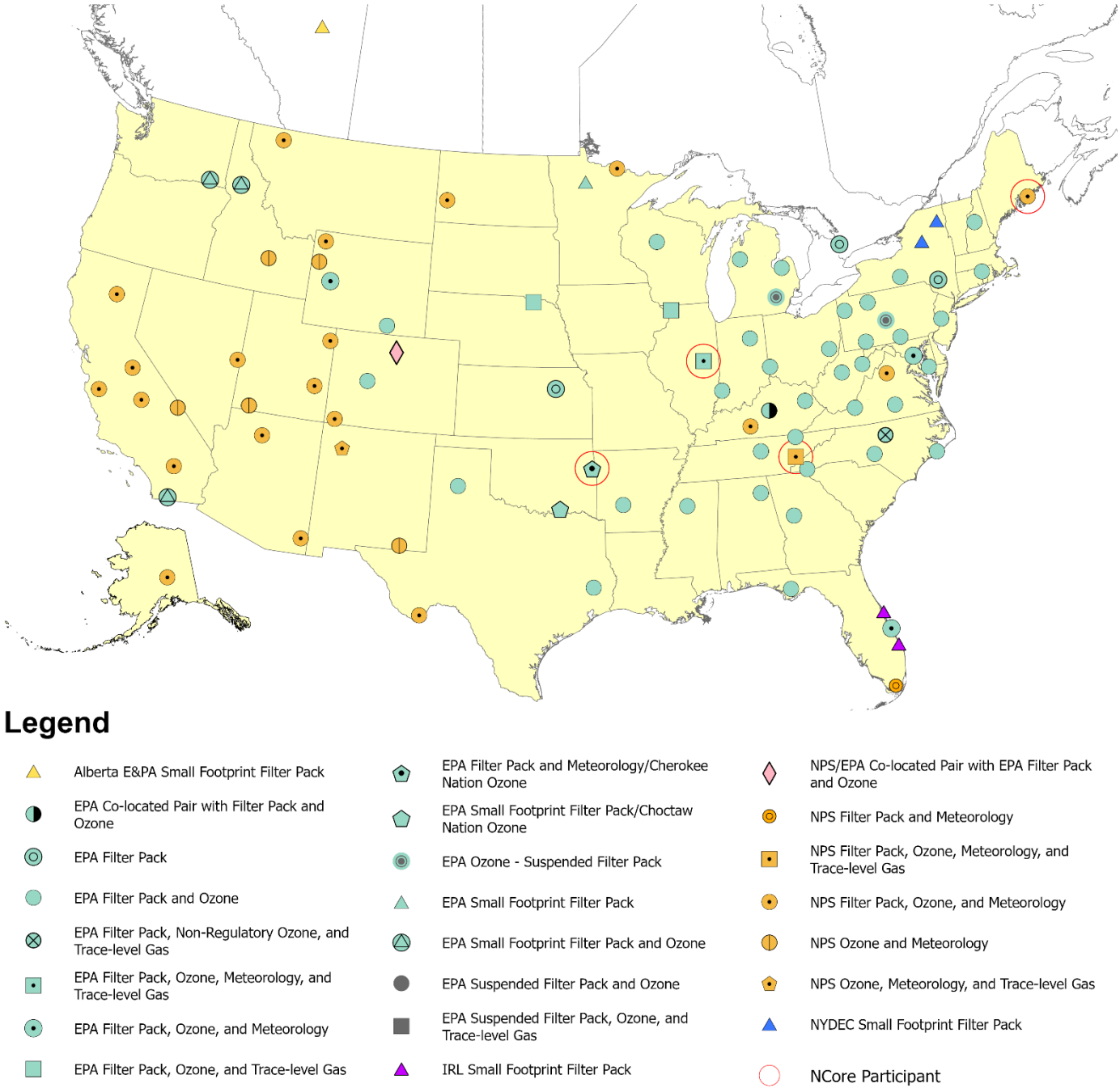


Figure 2. Active CASTNET Sites in 2026

In Figure 2, teal shapes represent EPA-sponsored sites, orange shapes represent NPS-sponsored sites, and the pink diamond represents a co-located pair of NPS-sponsored ozone and filter pack monitoring and EPA-sponsored ozone, filter pack, and trace-level gas monitoring. National Core (NCore) network sites are identified with a large red circle. Yellow shapes indicate the site is sponsored by Alberta Environment and Protected Areas (E&PA). Blue shapes represent sites that are sponsored by the New York Department of Conservation (NYDEC). Purple icons represent sites that are sponsored by the Indian River Lagoon (IRL) Council. For a list of which sites are in each category see Appendix J of this plan. A list of sites with suspended or closed monitoring is included in Appendix K of this plan.

2. O_3 and Trace-level Gas Data

CASTNET sites measure ambient O_3 concentrations for the entire year, which extends beyond the required O_3 season for many states. CASTNET submits ambient concentrations in near real time to AIRNow[5] and reports hourly O_3 and trace gas concentrations and routine QC results to the CASTNET website daily[6]. NPS also displays O_3 and meteorological data on the Gaseous Pollutant and Meteorological Data website[7]. WSP and ARS submit O_3 and trace-level gas (NO/NOy, SO_2, CO) concentrations to the EPA's Air Quality System (AQS) database on a monthly basis and daily 1-point precision results on a quarterly basis for sites where EPA or NPS is the primary quality assurance organization (PQAO). The EPA submits O_3 data from two co-located monitors (ROM206 and MCK231) to AQS, but these data are identified as 'NAAQS Excluded' because these data are solely used for QA purposes and are not used to calculate design values.

The trace-level gas measurements reported by the EPA are certified for comparison against the respective NAAQS, while NPS does not certify their trace-level gas measurements.

CASTNET uses the measurement quality objectives and criteria gas validation templates described in the EPA QA Handbook Validation Template[8] (reproduced in Appendix B of this plan) to ensure that the highest quality data are being submitted to AQS. These templates describe operational and systematic criteria for O_3 and trace-level gas data validation, including requirements for frequency of measurements or audits, calibration schedules, and acceptance criteria for QC checks. One-minute data collected for ambient O_3 and trace-level gas measurements are used for data validation purposes and are stored indefinitely.

In addition to the QC checks required for meeting the measurement quality objectives and validation templates, semi-annual (O_3) and quarterly (SO_2 and CO) system checks are performed at each CASTNET site. Using National Institute of Standards and Technology (NIST) terminology, we define levels as degrees of separation from a NIST standard reference photometer (Level 1). During these checks, a field operations technician challenges the on-site analyzer and re-verifies the on-site transfer standard, calibrates the on-site analyzer to the traveling transfer standard (Level 2) as needed, and verifies the data logger and the shelter temperature probe using NIST-traceable standards. All on-site O_3 transfer standards at CASTNET sites are NIST-traceable at Level 3. A flow chart diagram of the data certification process for the EPA contractor, WSP, is illustrated in Appendix D of this plan.

Following guidance in 40 CFR Part 58.15, CASTNET federal managers from the EPA and NPS submit their annual data certification letter, including the AQS Data Certification Report (AMP600), to the EPA and applicable EPA Regional Offices by May 1 of each calendar year. Consistent with 40 CFR Part 58.10 (a)(1), each analyzer included in Appendix G of this Network Plan meets the siting and operational criteria required in Appendices A, C, D, and E of 40 CFR Part 58 as identified for each year, except DUK008, as noted.

3. Exceptional Events

Exceptional events are unusual or naturally occurring events that can affect air quality, but are not reasonably controllable using techniques that Tribal, state, or local, air agencies may implement in order to attain and maintain the NAAQS[9]. Exceptional events include wildfires, stratospheric ozone intrusions, and volcanic and seismic activities. Following guidance in 40 CFR Part 50.14(a)(1), a state agency may request that the EPA exclude data that exceed the level of the NAAQS and may have been

[5] AIRNow https://www.airnow.gov

[6] CASTNET website https://www.epa.gov/castnet/

[7] NPS Gaseous Pollutant and Meteorological Data website https://ard-request.air-resource.com/

[8] EPA QA Handbook Appendix D Validation Templates, March 2017 https://www3.epa.gov/ttn/amtic/files/ambient/pm25/qa/APP_D%20validation%20template%20version%2003_2017_for%20AMTIC%20Rev_1.pdf

[9] EPA - What is an exceptional event? https://www.epa.gov/outdoor-air-quality-data/what-exceptional-event

impacted by an exceptional event. As noted in the preamble to the 2016 Exceptional Events Rule (81 FR 68216, 10/3/2016)[10], "as the single actor responsible for administering air quality planning and management activities within its jurisdictional boundaries, the state, exclusive of tribal lands, is ultimately responsible for submitting exceptional event demonstrations for exceedances that occur at all regulatory monitoring sites within the boundary of the state."

When a request by a state agency is submitted, CASTNET federal partners will submit informational flag(s) in AQS for ambient data potentially influenced by an exceptional event, and assist in preparing a demonstration (i.e., providing relevant information) if requested. The initial data flag is denoted as informational-use only and flagged data will continue to be used for NAAQS attainment purposes until the EPA Regional Administrator provides approval for an exceptional event demonstration.

State agencies will be responsible for working with the EPA Region to submit exceptional event demonstrations, which may include data from CASTNET sites. CASTNET managers do not have the authorization to determine the sufficiency of an exceptional event demonstration or whether CASTNET monitoring data should be excluded from the NAAQS calculation. State agencies should follow the regulations described in the revision to 40 CFR Parts 50 and 51, Treatment of Data Influenced by Exceptional Events (81 FR 68216, 10/3/2016), to prepare and submit exceptional event demonstrations.

To request that CASTNET apply informational exceptional event data flags, the state agency with jurisdiction over the boundaries where the site is located should email the following information to Timothy Sharac (sharac.timothy@epa.gov) for EPA-sponsored sites or Barkley Sive (barkley_sive@nps.gov) for NPS-sponsored sites:

- date/time range of incident,
- type of exceptional event, and
- CASTNET site(s)

Informational data flags will be applied within 30 days after CASTNET managers receive a request from a state agency. Exceptional event types and their associated AQS qualifier codes are listed on the AQS Code List webpage[11].

4. Network Audit Requirements

The network audit requirements for 40 CFR Part 58 compliance are summarized in Appendix B of this plan. CASTNET managers include the PE and FSA schedules with each Annual Network Plan to ensure EPA Regional Offices have the opportunity to make travel arrangements if they choose to attend the audit. The EPA Regional Office contacts are listed in Appendix E of this plan.

5. QC Checks

Automated zero/precision/span (ZPS) quality control checks are performed nightly on all CASTNET O_3 analyzers as shown in Table 1. All CASTNET O_3 monitors receive an additional QC check at 30 ppb on Sundays to verify analyzer accuracy spanning typical ambient O_3 concentrations. Additionally, EPA-sponsored O_3 analyzers also receive weekly QC checks at 90 and 150 ppb on Sundays. Additional checks may be initiated remotely to troubleshoot potential issues that may arise. The criteria for the automated ZPS QC checks are included in Appendix B of this plan. ZPS QC results are posted to the CASTNET website daily for EPA-sponsored CASTNET sites.

[10] Federal Register Volume 81, No. 191 October 3, 2016
https://www.epa.gov/sites/production/files/2016-09/documents/exceptional_events_rule_revisions_2060-as02_final.pdf

[11] AQS Code List webpage https://www.epa.gov/aqs/aqs-code-list

Table 1 QC Checks

	Frequency	O_3 (ppb)	SO_2 (ppb)	CO (ppb)
Zero	Daily	0	0*	0*
Precision	Daily	60	25*	500*
Span	Daily	225**	90*	1800*
Additional point #1	Weekly	30	5***	80***
Additional point #2	Weekly	90***	40***	300***
Additional point #3	Weekly	150***	60***	800***

Table 1 Notes:
*SO_2 and CO checks are performed every other night
**NPS performs O_3 span checks at 200 ppb
***EPA-sponsored CASTNET sites

6. Performance Evaluations (PE)

In accordance with EPA's QA Handbook and 40 CFR Parts 53 and 58, an independent auditor performs an annual PE audit and submits these results to AQS on a quarterly basis. Verification of the O_3 and trace-level gas analyzers during the field systems audit (FSA) requires that the zero/span be within ±2% of the full scale of the best fit linear line. The auditor selects target concentration values among the ten audit levels, as described in Appendix A to 40 CFR Part 58[12]. The evaluation is made by challenging the analyzer with audit gas standards of known concentration from a minimum of three audit levels that represent routine concentrations at the monitoring site (see Table 2 for acceptable audit ranges). Results for audit levels 1 and 2 must be less than ±1.5 ppb or less than ±15.1%, whichever is less restrictive, to meet the acceptance criteria for O_3, SO_2, and nitrogen dioxide (NO_2), while levels 1 and 2 must be less than ±0.031 ppm or less than ±15.1%, whichever is less restrictive, to meet the acceptance criteria for CO. Results from levels 3-10 must be less than ±15.1% to meet the acceptance criteria.

Table 2 Audit Levels for PEs [11]

Audit Level	O_3 Concentration Range, ppm	SO_2 Concentration Range, ppm	NO_2 Concentration Range, ppm	O_3, SO_2, and NO_2 Acceptance Criteria	CO Concentration Range, ppm	CO Acceptance Criteria
1	0.004 – 0.0059	**0.003 – 0.0029**	**0.003 – 0.0029**	< ±1.5 ppb or < ±15.1%, whichever is greater	0.020 – 0.059	<±0.031 ppm or <±15.1%, whichever is greater
2	**0.006 – 0.019**	**0.0030 – 0.0049**	**0.0030 – 0.0049**	<±1.5 ppb or <±15.1%, whichever is greater	**0.060 – 0.199**	<±0.031 ppm or <±15.1%, whichever is greater
3	**0.020 – 0.039**	0.0050 – 0.0079	0.0050 – 0.0079	<±15.1%	**0.200 – 0.899**	<±15.1%
4	**0.040 – 0.069**	**0.0080 – 0.0199**	**0.0080 – 0.0199**	<±15.1%	**0.900 – 2.999**	<±15.1%
5	0.070 – 0.089	**0.0200 – 0.0499**	**0.0200 – 0.0499**	<±15.1%	**3.000 – 7.999**	<±15.1%
6	**0.090 – 0.119**	0.0500 – 0.0999	0.0500 – 0.0999	<±15.1%	8.000 – 15.999	<±15.1%
7	0.120 – 0.139	0.1000 – 0.1499	0.1000 – 0.2999	<±15.1%	16.000 – 30.999	<±15.1%
8	0.140 – 0.169	0.1500 – 0.2599	0.3000 – 0.4999	<±15.1%	31.000 – 39.999	<±15.1%
9	0.170 – 0.189	0.2600 – 0.7999	0.5000 – 0.7999	<±15.1%	40.000 – 49.999	<±15.1%
10	0.190 - 0.259	0.8000 – 1.000	0.8000 – 1.000	<±15.1%	50.000 – 60.000	<±15.1%

Table 2 Note: The target audit levels used for PE audits for CASTNET O_3, SO_2, and CO measurements are highlighted in bold font.

The proposed PE and FSA audit schedule for CASTNET sites is shown in Table 3 below. The independent auditor uses equipment that is NIST-certified (verified twice per year) to audit CASTNET monitoring equipment. The independent auditor performs a PE audit at each site annually and performs an FSA which includes an audit of flow, meteorological sensors, and related parameters every other year. States may perform a PE audit if they coordinate with the sponsoring agency, site supervisor, and independent auditor as explained in the third-party CASTNET audit document.[13]

[12] Appendix A to 40 CFR Part 58 – Quality Assurance Requirements for Monitors used in Evaluations of National Ambient Air Quality Standards. https://www.ecfr.gov/cgi-bin/retrieveECFR?n=40y6.0.1.1.6
[13] CASTNET third-party audit document https://www.epa.gov/sites/production/files/2015-07/documents/third_party_audits.pdf

Table 3 Proposed PE and FSA Schedule

EPA Region	State	AQS ID	POC	SITE ID	Site Name	Audit Type Even Years	Audit Month Even Years	Audit Type Odd Years	Audit Month Odd Years
1	CT	090159991	1	ABT147	Abington	FSA + PE	Oct	PE	Sep
1	NH	330099991	1	WST109	Grafton	FSA + PE	Oct	PE	Sep
1	ME	230090103	1	ACA416	Acadia National Park	FSA + PE	Oct	Performed by Maine – Department of Environmental Protection	Sep
2	NJ	340219991	1	WSP144	Washington Crossing	PE	Oct	FSA + PE	Oct
2	NY	361099991	1	CTH110	Connecticut Hill	FSA + PE	Sep	PE	Nov
3	MD	240339991	1	BEL116	Beltsville	FSA + PE	Nov	PE	Oct
3	MD	240199991	1	BWR139	Blackwater National Wildlife Refuge	PE	Nov	FSA + PE	Oct
3	PA	420019991	1	ARE128	Arendtsville	FSA + PE	Nov	PE	Oct
3	PA	420479991	1	KEF112	Kane Experimental Forest	FSA + PE	Oct	PE	Nov
3	PA	421119991	1	LRL117	Laurel Hill	PE	Oct	FSA + PE	Nov
3	PA	419859991	1	MKG113	Maurice K. Goddard State Park	FSA + PE	Oct	PE	Nov
3	PA	420279991	1	PSU106	Penn State	FSA + PE	Nov	PE	Oct
3	WV	540939991	1	PAR107	Parsons	PE	Oct	FSA + PE	Nov
3	WV	540219991	1	CDR119	Cedar Creek	PE	Oct	FSA + PE	Nov
3	VA	511479991	1	PED108	Prince Edward	PE	Sep	FSA + PE	Sep
3	VA	510719991	1	VPI120	Blue Grass Trail	PE	Sep	FSA + PE	Sep
3	VA	511130003	1	SHN418	Shenandoah National Park Big Meadows	PE	Nov	FSA + PE	Nov
4	AL	010499991	1	SND152	Sand Mountain	FSA + PE	Fep	PE	Fep
4	FL	120619991	1	IRL141	Indian River Lagoon	FSA	Fep	PE	Fep
4	FL	120779991	1	SUM156	Sumatra	FSA	Fep	PE	Fep
4	GA	132319991	1	GAS153	Georgia Station	FSA	Fep	PE	Fep
4	KY	211759991	1	CKT136	Crockett	PE	Apr	FSA + PE	Mar
4	KY	212299991	1	MCK131	Mackville	PE	Mar	FSA + PE	Mar
4	KY	212299991	2	MCK231	Mackville Co-located	PE	Mar	FSA + PE	Mar
4	KY	210610501	1	MAC426	Mammoth Cave National Park	PE	Mar	FSA + PE	Mar
4	MS	281619991	1	CVL151	Coffeeville	PE	Mar	FSA + PE	Fep
4	NC	370319991	1	BFT142	Beaufort	PE	Nov	FSA + PE	Oct
4	NC	371239991	1	CND125	Candor	PE	Nov	FSA + PE	Oct
4	NC	371139991	1	COW137	Coweeta	FSA + PE	Mar	PE	Mar
4	NC	N/A	N/A	DUK008	Duke Forest	PE	Nov	FSA + PE	Oct

4	TN	470419991	1	ESP127	Edgar Evins	FSA + PE	Apr	PE	Apr
4	TN	470259991	1	SPD111	Speedwell	FSA + PE	Mar	PE	Apr
4	TN	470090101	1	GRS420	Great Smoky National Park - Look Rock	PE	Oct	FSA + PE	Sep
5	IL	170191001	1	BVL130	Bondville	PE	Aug	FSA + PE	Aug
5	IL	170859991	1	STK138	Stockton	PE	Jun	FSA + PE	Aug
5	IN	181699991	1	SAL133	Salamonie Reservoir	FSA + PE	Aug	PE	Aug
5	IN	180839991	1	VIN140	Vincennes	PE	Jun	FSA + PE	Aug
5	MI	261619991	1	ANA115	Ann Arbor	FSA + PE	Aug	PE	Aug
5	MI	261659991	1	HOX148	Hoxeyville	FSA + PE	Aug	PE	Aug
5	MI	261579991	1	UVL124	Unionville	FSA + PE	Aug	PE	Aug
5	MN	271370034	1	VOY413	Voyageurs National Park	PE	Aug	FSA + PE	Aug
5	OH	390179991	1	OXF122	Oxford	PE	Apr	FSA + PE	Apr
5	OH	391219991	1	QAK172	Quaker City	PE	Apr	FSA + PE	Apr
5	WI	551199991	1	PRK134	Perkinstown	PE	Aug	FSA + PE	Aug
6	AR	050199991	1	CAD150	Caddo Valley	PE	Fep	FSA + PE	Fep
6	OK	400019009	1	CHE185	Cherokee Nation	PE	Fep	FSA + PE	Mar
6	OK	400013001	1	CNO014	Choctaw Nation	PE	Fep	FSA + PE	Mar
6	NM	350450020	1	CHC432	Chaco Culture National Historical Park	PE	Apr	FSA + PE	Apr
6	NM	350150010	1	CAV436	Carlsbad Caverns	PE	Apr	FSA + PE	Apr
6	TX	483739991	1	ALC188	Alabama-Coushatta	PE	Mar	FSA + PE	Fep
6	TX	480430101	1	BBE401	Big Bend National Park	PE	Mar	FSA + PE	Mar
6	TX	483819991	1	PAL190	Palo Duro	PE	Fep	FSA + PE	Mar
7	NE	311079992	1	SAN192	Santee Sioux	PE	Jul	FSA + PE	Jun
7	KS	200459991	1	HAS012	Haskell Indian Nations University	PE	Jul	FSA + PE	Jun
8	CO	080519991	1	GTH161	Gothic	PE	Jun	FSA + PE	Jun
8	CO	080830101	1	MEV405	Mesa Verde National Park	FSA + PE	Apr	PE	Apr
8	CO	080690007	1	ROM406	Rocky Mtn National Park Primary	PE	Jun	FSA + PE	Jun
8	CO	080690007	3	ROM206	Rocky Mtn National Park QA Co-located	PE	Jun	FSA + PE	Jun
8	MT	300298001	1	GLR468	Glacier National Park	FSA + PE	Jun	PE	Jun
8	ND	380070002	1	THR422	Theodore Roosevelt National Park	Performed by North Dakota Department of Environmental Quality	Sep	FSA + PE	Jul
8	UT	490370101	1	CAN407	Canyonlands National Park	FSA + PE	Apr	PE	Apr

8	UT	490471002	1	DIN431	Dinosaur National Park	FSA + PE	Jul	PE	Jul
8	UT	490530130	1	ZIO433	Zion National Park	PE	Apr	FSA + PE	Apr
8	WY	560019991	1	CNT169	Centennial	PE	Jun	FSA + PE	Jun
8	WY	560359991	1	PND165	Pinedale	PE	Aug	FSA + PE	Jun
8	WY	560390008	1	GRT434	Grand Teton National Park	FSA + PE	Aug	PE	May
8	WY	560391011	1	YEL408	Yellowstone National Park	PE	Aug	FSA + PE	May
9	AZ	040038001	1	CHA467	Chiricahua National Monument	FSA + PE	Apr	PE	Apr
9	AZ	040058001	1	GRC474	Grand Canyon National Park	FSA + PE	Apr	PE	Apr
9	CA	060270101	1	DEV412	Death Valley National Park	FSA + PE	Apr	PE	Apr
9	CA	060719002	1	JOT403	Joshua Tree National Park	FSA + PE	May	PE	Apr
9	CA	060739991	1	LPO010	La Posta Tribal	PE	Sep	FSA + PE	Sep
9	CA	060893003	1	LAV410	Lassen Volcanic National Park	PE	May	FSA + PE	May
9	CA	060690003	1	PIN414	Pinnacles National Monument	PE	May	FSA + PE	Apr
9	CA	061070009	1	SEK430	Sequoia National Park- Ash Mountain	PE	May	FSA + PE	May
9	CA	060430003	1	YOS404	Yosemite National Park- Turtleback Dome	PE	May	FSA + PE	May
9	NV	320330101	1	GRB411	Great Basin National Park	FSA + PE	May	PE	Apr
10	AK	020680003	1	DEN417	Denali National Park	FSA + PE	Jul	PE	Jun
10	ID	160499991	1	NPT006	Nez Perce	FSA + PE	Oct	PE	Oct
10	ID	160230101	1	CRM435	Craters of the Moon National Park	FSA + PE	Oct	PE	Oct
10	WA	530139991	1	UMA009	Umatilla	FSA + PE	Aug	PE	Aug

Table 3 Note: See Appendix H of this plan for CBSA codes for CASTNET sites where they are available.

7. Field Systems Audit (FSA)

An independent auditor performs a FSA every other year at each CASTNET site to complement the requirements of a TSA which is required every three years to ensure network-wide consistency among all sites within CASTNET. The purpose of an FSA is to provide an independent assessment of the siting criteria, performance of monitoring equipment, and the proficiency of the site operator. The auditor verifies that filter pack flow, the O_3 analyzer, shelter temperature, and the meteorological sensors meet the acceptance criteria listed in Appendix B of this Network Plan and in the CASTNET QAPP.[14] The auditor also completes a PE audit for O_3 in addition to an FSA to verify there are no line losses within the system and documents whether the monitor configuration violates any of the CASTNET siting criteria found in the CASTNET QAPP. During an FSA, the auditor discusses any issues related to equipment, siting criteria, or operator handling with the operator and/or site supervisor. The independent auditor submits audit results to the site supervisor, site operator, site funding agency, and CASTNET contractor following the

[14] CASTNET Documents webpage https://www.epa.gov/castnet/

audit. A summary of audit results is available in a quarterly report and posted to CASTNET's Independent Audit Program webpage[15].

The independent auditor sends FSA announcement letters to the agency contractor, site operator, and site sponsor describing the purpose of the site visit 2-4 weeks prior to an FSA to ensure all parties involved are prepared. The current proposed schedule is shown in Table 3.

8. National Performance Audit Program (NPAP)

The purpose of the National NPAP is to assess the proficiency of the monitoring organization. As the primary sponsor for CASTNET, the EPA coordinates with EPA Regional Offices (listed in Appendix E of this plan), and the Environmental Services Assistance Team (ESAT) to fulfill the National NPAP requirements for all CASTNET sites. Each monitoring organization's network is required to complete National NPAP audits, with a goal of 20% of the sites audited each year and 100% within 6 years. National NPAP audits are performed through-the-probe using a zero air generator to supply the carrier gas to an O_3 generator. Audit O_3 concentrations are delivered to the through-the-probe dual glass manifold connected to the monitor's inlet probe while venting excess flow to the atmosphere. The O_3 generator is referenced back to a Level 2 O_3 standard which is in turn referenced at least quarterly to a Level 1 standard reference photometer. The auditor selects at least 4 known target concentrations including levels 2, 3, 4, and 5 to determine the accuracy of the on-site O_3 analyzer. The O_3 National NPAP audit's percent difference criterion at audit levels 1 and 2 is less than ±1.5 ppb or ±10.1%, whichever is greater, and less than ±10.1% at audit levels 3 through 10. The National NPAP auditor is responsible for submitting the audit results to AQS. National NPAP audits are also performed on CO and SO_2 analyzers, when present at a CASTNET site.

9. Technical Systems Audit (TSA)

CASTNET uses an independent auditor to conduct the facilities portion of the TSA requirements at the contractor's O_3 laboratory once every three years. The purpose of the facility TSA is to provide a qualitative appraisal of the total measurement system. Site planning, organization, documentation, and operation are evaluated to ensure that good QA/QC practices are being applied throughout the monitoring program. An outline of the facility TSA is available in Appendix F of this Network Plan. RTI International performed facility TSAs at the WSP laboratory in Newberry, FL in 2012, 2015, and 2018 and at the ARS facility in Fort Collins, CO in 2013, 2017, and 2021. Results, findings, and the responses to the findings can be found on the CASTNET documents webpage[16] under "Technical Systems Audit".

10. Annual Monitoring Network Plans and Network Assessment

CASTNET staff prepare an annual CASTNET Network Plan for public review. The Network Plan focuses on the CASTNET O_3 and trace-level gas monitoring program and addresses the monitoring requirements of 40 CFR 58.10(b). The EPA and NPS consult with applicable EPA Regional Offices ahead of adding or discontinuing O_3 monitors in accordance with 40 CFR 58.14 and any known changes are included in the Network Plan. CASTNET staff collect additional comments by sending draft copies of the Network Plan to the National Association of Clean Air Agencies (NACAA), the Association of Air Pollution Control Agencies (AAPCA), and the National Tribal Air Association (NTAA). Some states include CASTNET sites in their Network Plan to fulfill their monitoring requirements under Appendix D to 40 CFR Part 58. CASTNET staff contact states directly in the event of any change in operating status of these CASTNET sites. CASTNET staff submit a final version of the Network Plan and responses to any comments received on the draft Network Plan to the EPA CASTNET O_3 webpage. The schedule for these activities is outlined in Table 4. The EPA approves this plan with input from the public by July 1 every year and distributes the final version to EPA Regions and partners.

[15] CASTNET's Independent Audit Program webpage https://www.epa.gov/castnet/independent-audit-program

[16] CASTNET Documents webpage https://www.epa.gov/castnet/documents-reports

Table 4 Annual Network Plan Schedule

Date	Network Plan Steps
May 15	Distribute draft Network Plan to EPA Regional Offices, NACAA, AAPCA and post for public review on the CASTNET O_3 webpage
June 15	Deadline for public comments to draft Network Plan
June 30	CASTNET staff complete response to public comments including those from EPA Regional Offices, NACAA, AAPCA, and the general public
July 1	CASTNET staff distribute final version of Network Plan

EPA conducts a Network Assessment every five years in accordance with 40 CFR 58.10(d). This assessment evaluates whether the monitoring network meets the objectives in appendix D, identifies needs for adding new or discontinue existing monitoring sites, and assesses the suitability of incorporating new technologies. This assessment considers the ability of existing and proposed sites to characterize air quality in areas with relatively high populations of susceptible individuals. For any sites proposed for discontinuance, the assessment must evaluate potential impacts on external data users, including nearby states, Tribes, and health effects studies. This assessment is performed in-house without public involvement.

CASTNET staff post the network assessment to the EPA CASTNET O_3 webpage. There is no public comment review and response to this document. The next assessment is due July 1, 2030.

11. Network Modifications

As of April 2026, the following network modifications occurred or are planned:

- Choctaw Nation of Oklahoma added a new CASTNET small footprint filter pack site in Caddo, OK (CNO014) on April 6, 2026 to complement the existing ozone analyzer (AQS ID: 400130001).
- Indian River Lagoon Council added a new CASTNET small footprint filter pack site in Marin County, FL (MAR013) on October 20, 2025.
- Cedar Creek, WV (CDR119 – AQS ID: 540219991) resumed monitoring on March 2, 2026.
- Non-regulatory CASTNET filter pack and temperature data were loaded into AQS (1990-2025).

12. Data Reporting and Certification

CASTNET staff submit applicable ambient and QA data to AQS within 90 days after the end of each quarterly reporting period. CASTNET complies with the annual air monitoring certification requirements in accordance with 40 CFR 58.15-16. The EPA and NPS certify CASTNET ambient O_3, SO_2, and CO data and QA results by May 1 for the prior calendar year for their respective CASTNET sites and submit the data to the EPA for review.

Appendix A. Detailed Site Information

CASTNET O_3 and trace-level gas monitors meet the siting criteria as specified within Appendices D and E to 40 CFR Part 58. Following guidance from 40 CFR Part 58.10b, the following detailed information required for each CASTNET monitor is listed in the following pages ordered by AQS ID. Site photos and data can be viewed on the individual CASTNET site pages[17].

The following parameters are the same at all CASTNET sites:

- Current sampling frequency is continuous
- Sampling season is 01/01 – 12/31
- Frequency of one-point QC check is daily

Abbreviations are as follows:
ADT – average daily traffic
FEM – Federal Equivalent Method
FRM – Federal Reference Method
m – meter
POC – parameter occurrence code
pt – point
QC – quality control

[17] CASTNET site pages can be viewed here: https://www.epa.gov/castnet/castnet-site-locations

AQS ID	01-049-9991
CASTNET ID	SND152
Site Name	Sand Mountain
GPS Coordinates	34.289001, -85.970065
Street Address	Sand Mountain Alabama Agricultural Experiment Station, Crossville, AL 35962
County	DeKalb
Distance to Roads & ADT	170 meters; estimated < 1000 ADT
CBSA Name	Fort Payne, AL Micropolitan Statistical Area
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objectives	Welfare Related Impacts and Regional Transport
Monitor Type	EPA
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	USEPA - Air Quality Assessment Division
Spatial Scale	Regional Scale
Reporting Agency	Mactec, Inc
Start Date	01/01/2011
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 m
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	250 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	6/24/2025

AQS ID	02-068-0003
CASTNET ID	DEN417
Site Name	Denali National Park
GPS Coordinates	63.7232, -148.9676
Street Address	Denali National Park
County	Denali
Distance to Roads & ADT	130 meters; 1897 ADT
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objectives	Welfare Related Impacts and General/Background
Monitor Type	NON-EPA FEDERAL
Instrument	Teledyne T400
Method Code	087
FRM or FEM	FEM
Collecting Agency	National Park Service
Spatial Scale	Regional Scale
Reporting Agency	National Park Service
Start Date	06/01/1987
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 m
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	78 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	10/13/2025

AQS ID	04-003-8001
CASTNET ID	CHA467
Site Name	Chiricahua National Monument
GPS Coordinates	32.009405, -109.389058
Street Address	Chiricahua National Monument
County	Cochise
Distance to Roads & ADT	150 meters; 196 ADT
CBSA Name	Sierra Vista-Douglas, AZ Micropolitan Statistical Area
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objectives	Welfare Related Impacts and General/Background
Monitor Type	NON-EPA FEDERAL
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	National Park Service
Reporting Agency	National Park Service
Start Date	07/01/1989
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	109 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	3/31/2025

AQS ID	04-005-8001
CASTNET ID	GRC474
Site Name	Grand Canyon National Park
GPS Coordinates	36.058642, -112.183575
Street Address	Grand Canyon National Park, W Rim Drive
County	Coconino
Distance to Roads & ADT	200 meters; estimated < 1000 ADT
CBSA Name	Flagstaff, AZ Metropolitan Statistical Area
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objectives	Welfare Related Impacts and General/Background
Monitor Type	NON-EPA FEDERAL
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	National Park Service
Reporting Agency	National Park Service
Start Date	07/01/1989
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	213 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	4/2/2025

AQS ID	05-019-9991
CASTNET ID	CAD150
Site Name	Caddo Valley
GPS Coordinates	34.179278, -93.098755
Street Address	Lower Lake Recreation Area, Caddo Valley, AR 71923
County	Clark
Distance to Roads & ADT	125 meters; 380 ADT
CBSA Name	Arkadelphia, AR Micropolitan Statistical Area
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objectives	Welfare Related Impacts and Regional Transport
Monitor Type	EPA
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	USEPA - Air Quality Assessment Division
Spatial Scale	Regional Scale
Reporting Agency	Mactec, Inc
Start Date	01/01/2011
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Fail; also tree line within 30 meters of inlet
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	146 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	7/30/2025

AQS ID	06-027-0101
CASTNET ID	DEV412
Site Name	Death Valley National Monument- Park Village
GPS Coordinates	36.50887, -116.847798
Street Address	Death Valley National Monument, Death Valley, CA
County	Inyo
Distance to Roads & ADT	600 meters; estimated < 1000 ADT
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objectives	Welfare Related Impacts and General/Background
Monitor Type	NON-EPA FEDERAL
Instrument	Teledyne T400
Method Code	087
FRM or FEM	FEM
Collecting Agency	National Park Service
Reporting Agency	National Park Service
Start Date	12/10/1993
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	150
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	3/13/2025

AQS ID	06-043-0003
CASTNET ID	YOS404
Site Name	Yosemite National Park Turtleback Dome
GPS Coordinates	37.713251, -119.706196
Street Address	Turtleback Dome, Yosemite National Park
County	Mariposa
Distance to Roads & ADT	250 meters; 2750 ADT
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objectives	Welfare Related Impacts and General/Background
Monitor Type	NON-EPA FEDERAL
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	National Park Service
Reporting Agency	National Park Service
Start Date	09/01/1990
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	24 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	12/11/2025

AQS ID	06-069-0003
CASTNET ID	PIN414
Site Name	Pinnacles National Park
GPS Coordinates	36.483235, -121.156876
Street Address	NE Entrance, Pinnacles National Park
County	San Benito
Distance to Roads & ADT	85 meters; 400 ADT & 85 meters; 4,182 ADT [Fail]
CBSA Name	San Jose-Sunnyvale-Santa Clara, CA Metropolitan Statistical Area
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objectives	Welfare Related Impacts and General/Background
Monitor Type	NON-EPA FEDERAL
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	National Park Service
Spatial Scale	Regional Scale
Reporting Agency	National Park Service
Start Date	04/01/1987
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	23 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	8/26/2025

AQS ID	06-071-9002
CASTNET ID	JOT403
Site Name	Joshua Tree National Park Black Rock
GPS Coordinates	34.069569, -116.388933
Street Address	Joshua Tree National Park
County	San Bernardino
Distance to Roads & ADT	420 meters; estimated < 1000 ADT
CBSA Name	Riverside-San Bernardino-Ontario, CA Metropolitan Statistical Area
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objectives	Welfare Related Impacts and General/Background
Monitor Type	NON-EPA FEDERAL
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	National Park Service
Spatial Scale	Regional Scale
Reporting Agency	National Park Service
Start Date	10/01/1993
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	208 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	12/9/2025

AQS ID	06-073-9991
CASTNET ID	LPO010
Site Name	La Posta Band of Indians
GPS Coordinates	32.725189, -116.36441
Street Address	8 Crestwood Rd Boulevard, CA 91905
County	San Diego
Distance to Roads & ADT	N/A
CBSA Name	San Diego-Carlsbad, CA Metropolitan Statistical Area
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objectives	Welfare Related Impacts and General/Background
Monitor Type	EPA
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	USEPA - Air Quality Assessment Division
Spatial Scale	Regional Scale
Reporting Agency	Mactec, Inc
Start Date	01/27/2023
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	N/A
Distance Between Co-located	N/A
Wind Obstruction	N/A
Predominant ozone season wind direction	N/A
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	9/15/2025

AQS ID	06-089-3003
CASTNET ID	LAV410
Site Name	Lassen Volcanic National Park
GPS Coordinates	40.539991, -121.576462
Street Address	Manzanita Lake, Lassen Volcanic National Park
County	Shasta
Distance to Roads & ADT	90 meters; 1,750 ADT
CBSA Name	Redding, CA Metropolitan Statistical Area
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objectives	Welfare Related Impacts and General/Background
Monitor Type	NON-EPA FEDERAL
Instrument	Teledyne T400
Method Code	087
FRM or FEM	FEM
Collecting Agency	National Park Service
Spatial Scale	Regional Scale
Reporting Agency	National Park Service
Start Date	11/01/1987
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Passes, while tree at 10 meters from inlet
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	219 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	6/18/2025

AQS ID	06-107-0009
CASTNET ID	SEK430
Site Name	Sequoia National Park Ash Mountain
GPS Coordinates	36.489469, -118.829153
Street Address	Sequoia & Kings Canyon National Park
County	Tulare
Distance to Roads & ADT	110 meters; 2,350 ADT
CBSA Name	Visalia-Porterville, CA Metropolitan Statistical Area
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objectives	Welfare Related Impacts and General/Background
Monitor Type	NON-EPA FEDERAL
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	National Park Service
Reporting Agency	National Park Service
Start Date	07/01/1999
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Fail; tree at 5 meters from inlet
Distance Between Co-located	N/A
Wind Obstruction	One tree at 5 meters from inlet
Predominant ozone season wind direction	21 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	12/10/2025

AQS ID	08-051-9991
CASTNET ID	GTH161
Site Name	Gothic
GPS Coordinates	38.95627, -106.98587
Street Address	Gunnison National Forest, Crested Butte, CO 81224
County	Gunnison
Distance to Roads & ADT	190 meters; estimated < 1000 ADT
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objectives	Welfare Related Impacts and General/Background
Monitor Type	EPA
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	USEPA - Air Quality Assessment Division
Spatial Scale	Regional Scale
Reporting Agency	Mactec, Inc
Start Date	06/01/2011
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	353 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	9/19/2025

AQS ID	08-069-0007
CASTNET ID	ROM406
Site Name	Rocky Mtn National Park
GPS Coordinates	40.278129, -105.545635
Street Address	Rocky Mountain National Park, Estes Park, CO 80517
County	Larimer
Distance to Roads & ADT	70 meters; estimated < 1000 ADT
CBSA Name	Fort Collins-Loveland, CO Metropolitan Statistical Area
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objectives	Welfare Related Impacts and General/Background
Monitor Type	NON-EPA FEDERAL
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	National Park Service
Spatial Scale	Regional Scale
Reporting Agency	National Park Service
Start Date	08/01/1987
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	7.5 m
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	294
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	8/1/2025

AQS ID	08-069-0007
CASTNET ID	ROM206
Site Name	Rocky Mtn National Park Co-located
GPS Coordinates	40.278129, -105.545635
Street Address	Rocky Mountain National Park, Estes Park, CO 80517
County	Larimer
Distance to Roads & ADT	70 meters; estimated < 1000 ADT
CBSA Name	Fort Collins-Loveland, CO Metropolitan Statistical Area
Pollutant, POC	Ozone, 3
Parameter Code	44201
NAAQS Monitoring Objectives	Welfare Relate Impacts, General/Background, and Quality Assurance
Monitor Type	EPA, NON-REGULATORY
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	USEPA - Air Quality Assessment Division
Spatial Scale	Regional Scale
Reporting Agency	Mactec, Inc
Start Date	01/01/2011
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	7.5 m
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	300
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	8/1/2025

AQS ID	08-083-0101
CASTNET ID	MEV405
Site Name	Mesa Verde National Park
GPS Coordinates	37.198398, -108.490462
Street Address	Mesa Verde National Park, Colorado
County	Montezuma
Distance to Roads & ADT	145 meters; estimated less than 100 ADT
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objectives	Welfare Related Impacts and General/Background
Monitor Type	NON-EPA FEDERAL
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	National Park Service
Spatial Scale	Regional Scale
Reporting Agency	National Park Service
Start Date	05/01/1993
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	321 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	6/3/2025

AQS ID	09-015-9991
CASTNET ID	ABT147
Site Name	Abington
GPS Coordinates	41.84046, -72.010368
Street Address	80 Ayers Rd, Abington, CT 06230
County	Windham
Distance to Roads & ADT	575 meters; 1,900 ADT
CBSA Name	Willimantic, CT Micropolitan Statistical Area
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objectives	Welfare Related Impacts and Regional Transport
Monitor Type	EPA
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	USEPA - Air Quality Assessment Division
Spatial Scale	Regional Scale
Reporting Agency	Mactec, Inc
Start Date	06/01/2011
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	298 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	11/6/2025

AQS ID	12-061-9991
CASTNET ID	IRL141
Site Name	Indian River Lagoon
GPS Coordinates	27.849215, -80.455595
Street Address	Sebastian Inlet State Recreation Area, Vero Beach, FL 32963
County	Indian River
Distance to Roads & ADT	300 meters; estimated < 1000 ADT
CBSA Name	Sebastian-Vero Beach, FL Metropolitan Statistical Area
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objectives	Welfare Related Impacts and Regional Transport
Monitor Type	EPA
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	USEPA - Air Quality Assessment Division
Spatial Scale	Regional Scale
Reporting Agency	Mactec, Inc
Start Date	01/01/2011
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	101 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	4/2/2025

AQS ID	12-077-9991
CASTNET ID	SUM156
Site Name	Sumatra
GPS Coordinates	30.110226, -84.99038
Street Address	Apalachicola National Forest, Bristol, FL 32321
County	Liberty
Distance to Roads & ADT	295 meters; 550 ADT
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objectives	Welfare Related Impacts and Regional Transport
Monitor Type	EPA
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	USEPA - Air Quality Assessment Division
Spatial Scale	Regional Scale
Reporting Agency	Mactec, Inc
Start Date	01/01/2011
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Fail
Distance Between Co-located	N/A
Wind Obstruction	Tree at 17 meters from inlet
Predominant ozone season wind direction	171 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	2/7/2025

AQS ID	13-231-9991
CASTNET ID	GAS153
Site Name	Georgia Station
GPS Coordinates	33.181173, -84.410054
Street Address	Georgia Station Georgia Agricultural Experiment Station, Williamson, GA 30292
County	Pike
Distance to Roads & ADT	700 meters; 220 ADT
CBSA Name	Atlanta-Sandy Springs-Marietta, GA Metropolitan Statistical Area
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objectives	Welfare Related Impacts and Regional Transport
Monitor Type	EPA
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	USEPA - Air Quality Assessment Division
Spatial Scale	Regional Scale
Reporting Agency	Mactec, Inc
Start Date	01/01/2011
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	234 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	6/25/2025

AQS ID	16-023-0101
CASTNET ID	CRM435
Site Name	Craters of the Moon National Monument and Preserve
GPS Coordinates	43.4606,-113.5622
Street Address	Craters of the Moon National Monument, Idaho
County	Idaho
Distance to Roads & ADT	52 meters; 1,200 ADT [fail]
CBSA Name	Idaho Falls, ID
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objectives	Welfare Related Impacts and General/Background
Monitor Type	NON-EPA FEDERAL
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	National Park Service
Spatial Scale	Regional Scale
Reporting Agency	National Park Service
Start Date	01-OCT-1992
Sampling Frequency	Continuous
Sampling Season	01/01 – 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	230 degrees
Probe Material	Teflon®
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	7/26/2025

AQS ID	16-049-9991
CASTNET ID	NPT006
Site Name	Nez Perce Tribe
GPS Coordinates	46.2756, -116.0216
Street Address	Woodland Road Kamiah, ID 83536
County	Idaho
Distance to Roads & ADT	250 meters; 80 ADT
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objectives	Welfare Related Impacts and General/Background
Monitor Type	EPA
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	USEPA - Air Quality Assessment Division
Spatial Scale	Regional Scale
Reporting Agency	Mactec, Inc
Start Date	09/27/2016
Sampling Frequency	Continuous
Sampling Season	01/01 – 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	Obstruction within a 26.6 degree cone around inlet
Predominant ozone season wind direction	N/A
Probe Material	Teflon®
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	7/18/2025

AQS ID	17-019-1001
CASTNET ID	BVL130
Site Name	Bondville
GPS Coordinates	40.05202, -88.372481
Street Address	Twp Rd 500 E., Champaign, IL
County	Champaign
Distance to Roads & ADT	280 meters; 200 ADT
CBSA Name	Champaign-Urbana, IL Metropolitan Statistical Area
Pollutant	Ozone; hourly SO_2; 5-min SO_2; CO
Parameter Codes, POC	44201, 1; 42401, 2; 42401, 3; 42101, 1
NAAQS Monitoring Objectives	Welfare Related Impacts and Regional Transport
Monitor Type	EPA
Instruments	Thermo 49i; TAPI T100U; TAPI T100U; TAPI T300U
Method Code	047; 600; 600; 593
FRM or FEM	FEM; FEM; FEM; FRM
Collecting Agency	USEPA - Air Quality Assessment Division
Spatial Scale	Regional Scale
Reporting Agency	Mactec, Inc
Start Date	01-APR-11; 01-SEP-12; 01-SEP-12; 01-SEP-12
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	223 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	10/6/2025 (44201, 42101, 42401)

AQS ID	17-085-9991
CASTNET ID	STK138
Site Name	Stockton
GPS Coordinates	42.287216, -89.99995
Street Address	10952 E. Parker Rd, Stockton, IL 61085
County	Jo Daviess
Distance to Roads & ADT	745 meters; 50 ADT
Pollutant, POC	Ozone, 1; Ammonia, 1; NOy,1; NO,1; NOy-NO, 1
Parameter Code	44201; 42600; 42601; 42612
NAAQS Monitoring Objectives	Welfare Related Impacts and Regional Transport
Monitor Type	EPA
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	USEPA - Air Quality Assessment Division
Spatial Scale	Regional Scale
Reporting Agency	Mactec, Inc
Start Date	04/01/2011
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	36 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	5/7/2025

AQS ID	18-083-9991
CASTNET ID	VIN140
Site Name	Vincennes
GPS Coordinates	38.740792, -87.484923
Street Address	Southwest Purdue Agricultural Center, Vincennes, IN 47591
County	Knox
Distance to Roads & ADT	365 meters; 8,832 ADT
CBSA Name	Vincennes, IN Micropolitan Statistical Area
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objectives	Welfare Related Impacts and Regional Transport
Monitor Type	EPA
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	USEPA - Air Quality Assessment Division
Spatial Scale	Regional Scale
Reporting Agency	Mactec, Inc
Start Date	04/01/2011
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	260 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	9/23/2025

AQS ID	18-169-9991
CASTNET ID	SAL133
Site Name	Salamonie Reservoir
GPS Coordinates	40.816038, -85.661407
Street Address	Hamilton Rd, Lagro, IN 46941
County	Wabash
Distance to Roads & ADT	415 meters; 525 ADT
CBSA Name	Wabash, IN Micropolitan Statistical Area
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objective	Welfare Related Impacts and Regional Transport
Monitor Type	EPA
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	USEPA - Air Quality Assessment Division
Spatial Scale	Regional Scale
Reporting Agency	Mactec, Inc
Start Date	06/01/2011
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	256 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	6/25/2025

AQS ID	20-045-9991
CASTNET ID	HAS012
Site Name	Haskell Indian Nations University
GPS Coordinates	38.9349,-95.2309
Street Address	155 Indian Ave, Lawrence, KS 66046
County	Douglas
Distance to Roads & ADT	965 meters; 18,100 ADT
CBSA Name	Lawrence-Douglas County micropolitan statistical area
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objective	Welfare Related Impacts and Regional Transport
Monitor Type	EPA
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	USEPA - Air Quality Assessment Division
Spatial Scale	Regional Scale
Reporting Agency	Mactec, Inc
Start Date	03/24/2025
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	170 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	12/18/2025

AQS ID	21-061-0501
CASTNET ID	MAC426
Site Name	Mammoth Cave National Park
GPS Coordinates	37.131794, -86.142953
Street Address	Mammoth Cave National Park Alfred Cook Road
County	Edmonson
Distance to Roads & ADT	505 meters; 1,049 ADT
CBSA Name	Bowling Green, KY Metropolitan Statistical Area
Pollutant, POCs	Ozone
Parameter Codes, POC	44201, 1
NAAQS Monitoring Objective	Welfare Related Impacts, Regional Transport, and Maximum Ozone Concentration
Monitor Type	EPA
Instruments	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	National Park Service
Reporting Agency	National Park Service
Start Date	08/01/1997
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	228 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	6/18/2025

AQS ID	21-175-9991
CASTNET ID	CKT136
Site Name	Crockett
GPS Coordinates	37.92146, -83.066295
Street Address	State Highway 437, West Liberty, KY 41472
County	Morgan
Distance to Roads & ADT	440 meters; 448 ADT
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objective	Welfare Related Impacts and Regional Transport
Monitor Type	EPA
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	USEPA - Air Quality Assessment Division
Spatial Scale	Regional Scale
Reporting Agency	Mactec, Inc
Start Date	04/01/2011
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	227 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	9/18/2025

AQS ID	21-229-9991
CASTNET ID	MCK131/231
Site Name	Mackville
GPS Coordinates	37.704678, -85.048706
Street Address	542 Wesley-Miller Rd, Harrodsburg, KY 40330
County	Washington
Distance to Roads & ADT	1845 meters; 109 ADT
Pollutant, POC	Ozone, 1 & 2
Parameter Code	44201
NAAQS Monitoring Objective	Welfare Related Impacts and Regional Transport; Quality Assurance
Monitor Type	EPA; EPA, NON-REGULATORY
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	USEPA - Air Quality Assessment Division
Spatial Scale	Regional Scale
Reporting Agency	Mactec, Inc
Start Date	03/01/2011
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	1 m
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	220 meters
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	6/17/2025; 6/17/2025

AQS ID	23-009-0103
CASTNET ID	ACA416
Site Name	Acadia National Park
GPS Coordinates	44.377086, -68.2608
Street Address	McFarland Hill-Air Pollutant Research Site
County	Hancock
Distance to Roads & ADT	174 meters; 4,340 ADT
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objective	Welfare Related Impacts and Regional Transport
Monitor Type	SLAMS
Instrument	Teledyne T400
Method Code	087
FRM or FEM	FEM
Collecting Agency	Maine - Dept of Environmental Protection
Spatial Scale	Regional Scale
Reporting Agency	Maine - Dept of Environmental Protection
Start Date	02/09/1998
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	213 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	11/19/2025

AQS ID	24-019-9991
CASTNET ID	BWR139
Site Name	Blackwater NWR
GPS Coordinates	38.444971, -76.111274
Street Address	Blackwater National Wildlife Refuge, Cambridge, MD 21613
County	Dorchester
Distance to Roads & ADT	245 meters; 263 ADT
CBSA Name	Cambridge, MD Micropolitan Statistical Area
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objective	Welfare Related Impacts and Regional Transport
Monitor Type	EPA
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	USEPA - Air Quality Assessment Division
Spatial Scale	Regional Scale
Reporting Agency	Mactec, Inc
Start Date	01/01/2011
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	209 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	10/7/2025

AQS ID	24-033-9991
CASTNET ID	BEL116
Site Name	Beltsville
GPS Coordinates	39.028177, -76.817127
Street Address	Powder Mill Rd, Laurel, MD 20708
County	Prince George's
Distance to Roads & ADT	365 meters; estimated < 1000 ADT
CBSA Name	Washington-Arlington-Alexandria, DC-VA-MD-WV Metropolitan Statistical Area
Pollutant, POCs	Ozone
Parameter Code, POC	44201, 1
NAAQS Monitoring Objective	Welfare Related Impacts and Regional Transport
Monitor Type	EPA
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	USEPA - Air Quality Assessment Division
Spatial Scale	Regional Scale
Reporting Agency	Mactec, Inc
Start Date	04/01/2011
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	284 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	Yes, site to remove meteorological measurements in November 2026.
Frequency for 1 Pt QC	Daily
Last PE Date	10/29/2025

AQS ID	26-157-9991
CASTNET ID	UVL124
Site Name	Unionville
GPS Coordinates	43.613572, -83.359869
Street Address	1821 E. Dickerson Rd, Unionville, MI 48767
County	Tuscola
Distance to Roads & ADT	205 meters; 1,171 ADT
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objective	Welfare Related Impacts and Regional Transport
Monitor Type	EPA
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	USEPA - Air Quality Assessment Division
Spatial Scale	Regional Scale
Reporting Agency	Mactec, Inc
Start Date	06/01/2011
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	240 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	10/7/2025

AQS ID	26-161-9991
CASTNET ID	ANA115
Site Name	Ann Arbor
GPS Coordinates	42.416636, -83.90218
Street Address	10070 Strawberry Lake Rd, Dexter, MI 48130
County	Washtenaw
Distance to Roads & ADT	330 meters; 4,879 ADT
CBSA Name	Ann Arbor, MI Metropolitan Statistical Area
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objective	Welfare Related Impacts and Regional Transport
Monitor Type	EPA
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	USEPA - Air Quality Assessment Division
Spatial Scale	Regional Scale
Reporting Agency	Mactec, Inc
Start Date	06/01/2011
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	237 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	7/22/2025

AQS ID	26-165-9991
CASTNET ID	HOX148
Site Name	Hoxeyville
GPS Coordinates	44.18089, -85.73898
Street Address	10637 S 9 Rd, Cadillac, MI 49601
County	Wexford
Distance to Roads & ADT	55 meters; estimated < 1000 ADT
CBSA Name	Cadillac, MI Micropolitan Statistical Area
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objective	Welfare Related Impacts and Regional Transport
Monitor Type	EPA
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	USEPA - Air Quality Assessment Division
Spatial Scale	Regional Scale
Reporting Agency	Mactec, Inc
Start Date	06/01/2011
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	330 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	10/8/2025

AQS ID	27-137-0034
CASTNET ID	VOY413
Site Name	Voyageurs National Park
GPS Coordinates	48.412518, -92.829225
Street Address	Voyageurs National Park
County	St. Louis
Distance to Roads & ADT	1,400 meters; 337 ADT
CBSA Name	Duluth, MN-WI Metropolitan Statistical Area
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objective	Welfare Related Impacts and General/Background
Monitor Type	NON-EPA FEDERAL
Instrument	Teledyne T400
Method Code	087
FRM or FEM	FEM
Collecting Agency	National Park Service
Reporting Agency	National Park Service
Spatial Scale	Regional Scale
Start Date	07/01/1996
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	N/A
Predominant ozone season wind direction	232 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	12/5/2025

AQS ID	28-161-9991
CASTNET ID	CVL151
Site Name	Coffeeville
GPS Coordinates	34.002747, -89.799183
Street Address	Jamie L. Whitten Plant Materials Center, Coffeeville, MS 38922
County	Yalobusha
Distance to Roads & ADT	70 meters; estimated < 1000 ADT
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objective	Welfare Related Impacts and Regional Transport
Monitor Type	EPA
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	USEPA - Air Quality Assessment Division
Spatial Scale	Regional Scale
Reporting Agency	Mactec, Inc
Start Date	01/01/2011
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Fail
Distance Between Co-located	N/A
Wind Obstruction	Tree at 17 meters from inlet
Predominant ozone season wind direction	180 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	7/31/2025

AQS ID	30-029-8001
CASTNET ID	GLR468
Site Name	Glacier National Park
GPS Coordinates	48.510301, -113.996807
Street Address	Glacier National Park
County	Flathead
Distance to Roads & ADT	50 meters; estimated < 1000 ADT
CBSA Name	Kalispell, MT Micropolitan Statistical Area
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objective	Welfare Related Impacts and General/Background
Monitor Type	NON-EPA FEDERAL
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	National Park Service
Reporting Agency	National Park Service
Start Date	04/01/1989
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	Tree at 30 meters from inlet
Predominant ozone season wind direction	244 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	7/29/2025

AQS ID	31-107-9992
CASTNET ID	SAN192
Site Name	Santee Sioux
GPS Coordinates	42.7475, -97.9282
Street Address	109 N 2nd St. Verdigre, NE 68783
County	Knox
Distance to Roads & ADT	100 meters; 1,335 ADT
Pollutant, POC	Ozone, 1; NOy,1; NO,1; NOy-NO, 1
Parameter Code	44201; 42600; 42601; 42612
NAAQS Monitoring Objective	Welfare Related Impacts and Regional Transport
Monitor Type	EPA
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	USEPA - Air Quality Assessment Division
Spatial Scale	Regional Scale
Reporting Agency	Mactec, Inc
Start Date	06/05/2024
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	173 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	11/18/2025

AQS ID	32-033-0101
CASTNET ID	GRB411
Site Name	Great Basin National Park
GPS Coordinates	39.005121, -114.215932
Street Address	Great Basin National Park
County	White Pine
Distance to Roads & ADT	150 meters; 490 ADT
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objective	Welfare Related Impacts and Regional Transport
Monitor Type	NON-EPA FEDERAL
Instrument	Teledyne T400
Method Code	087
FRM or FEM	FEM
Collecting Agency	National Park Service
Spatial Scale	Regional Scale
Reporting Agency	National Park Service
Start Date	09/01/1993
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	219 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	6/9/2025

AQS ID	33-009-9991
CASTNET ID	WST109
Site Name	Woodstock
GPS Coordinates	43.944519, -71.700787
Street Address	Hubbard Brook Experimental Forest, North Woodstock, NH 03262
County	Grafton
Distance to Roads & ADT	45 meters; 93 ADT
CBSA Name	Lebanon, NH-VT Micropolitan Statistical Area
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objective	Welfare Related Impacts and Regional Transport
Monitor Type	EPA
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	USEPA - Air Quality Assessment Division
Spatial Scale	Regional Scale
Reporting Agency	Mactec, Inc
Start Date	06/01/2011
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	295 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	4/30/2025

AQS ID	34-021-9991
CASTNET ID	WSP144
Site Name	Washington Crossing
GPS Coordinates	40.312303, -74.872663
Street Address	Washington Crossing State Park, Titusville, NJ 08560
County	Mercer
Distance to Roads & ADT	260 meters; 766 ADT
CBSA Name	Trenton-Ewing, NJ Metropolitan Statistical Area
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objective	Welfare Related Impacts and Regional Transport
Monitor Type	EPA
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	USEPA - Air Quality Assessment Division
Spatial Scale	Regional Scale
Reporting Agency	Mactec, Inc
Start Date	01/01/2011
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	331 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	4/29/2025

AQS ID	35-015-0010
CASTNET ID	CAV436
Site Name	Carlsbad Caverns National Park
GPS Coordinates	32.1783, -104.4406
Street Address	N/A
County	Eddy
Distance to Roads & ADT	110 meters; 463 ADT
CBSA Name	Carlsbad-Artesia, NM Micropolitan Statistical Area
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objective	Welfare Related Impacts and General/Background
Monitor Type	NON-EPA FEDERAL
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	National Park Service
Spatial Scale	Regional Scale
Reporting Agency	National Park Service
Start Date	N/A
Sampling Frequency	Continuous
Sampling Season	01/01 – 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	N/A
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	N/A
Probe Material	Teflon®
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	2/14/2025

AQS ID	35-045-0020
CASTNET ID	CHC432
Site Name	Chaco Culture National Historical Park
GPS Coordinates	36.03448, -107.904275
Street Address	Chaco Culture National Historical Park - Radio Repeater
County	San Juan
Distance to Roads & ADT	690 meters; 100 ADT
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objective	Welfare Related Impacts and General/Background
Monitor Type	NON-EPA FEDERAL
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	National Park Service
Spatial Scale	Regional Scale
Reporting Agency	National Park Service
Start Date	23-FEB-2017
Sampling Frequency	Continuous
Sampling Season	01/01 – 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	266 degrees
Probe Material	Teflon®
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	4/29/2025

AQS ID	36-109-9991
CASTNET ID	CTH110
Site Name	Connecticut Hill
GPS Coordinates	42.400875, -76.653516
Street Address	Connecticut Hill Wildlife Management Area, Newfield, NY 14867
County	Tompkins
Distance to Roads & ADT	75 meters; 680 ADT
CBSA Name	Ithaca, NY Metropolitan Statistical Area
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objective	Welfare Related Impacts and Regional Transport
Monitor Type	EPA
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	USEPA - Air Quality Assessment Division
Spatial Scale	Regional Scale
Reporting Agency	Mactec, Inc
Start Date	01/01/2011
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	331 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	11/5/2025

AQS ID	37-031-9991
CASTNET ID	BFT142
Site Name	Beaufort
GPS Coordinates	34.884668, -76.620666
Street Address	Open Grounds Farm, Beaufort, NC 28516
County	Carteret
Distance to Roads & ADT	450 meters; 1,200 ADT
CBSA Name	Morehead City, NC Micropolitan Statistical Area
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objective	Welfare Related Impacts and Regional Transport
Monitor Type	EPA
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	USEPA - Air Quality Assessment Division
Spatial Scale	Regional Scale
Reporting Agency	Mactec, Inc
Start Date	01/01/2011
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	236 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	11/18/2025

AQS ID	37-113-9991
CASTNET ID	COW137
Site Name	Coweeta
GPS Coordinates	35.060527, -83.43034
Street Address	USDA Southern Research Station, Coweeta Hydrologic Laboratory, Otto, NC 28763
County	Macon
Distance to Roads & ADT	110 meters; 390 ADT
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objective	Welfare Related Impacts and Regional Transport
Monitor Type	EPA
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	USEPA - Air Quality Assessment Division
Spatial Scale	Regional Scale
Reporting Agency	Mactec, Inc
Start Date	01/01/2011
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	184 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	9/22/2025

AQS ID	37-123-9991
CASTNET ID	CND125
Site Name	Candor
GPS Coordinates	35.26333, -79.83754
Street Address	136 Perry Dr, Candor, NC 27229
County	Montgomery
Distance to Roads & ADT	235 meters; estimated < 1000 ADT
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objective	Welfare Related Impacts and Regional Transport
Monitor Type	EPA
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	USEPA - Air Quality Assessment Division
Spatial Scale	Regional Scale
Reporting Agency	Mactec, Inc
Start Date	01/01/2011
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	151 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	11/15/2025

AQS ID	N/A
CASTNET ID	DUK008
Site Name	Duke Forest
GPS Coordinates	35.9745, -79.099
Street Address	600 Eubanks Rd, Chapel Hill, NC 27516
County	Orange
Distance to Roads & ADT	> 100 meters
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objective	NAAQS-EXCLUDED
Monitor Type	EPA
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	USEPA - Air Quality Assessment Division
Spatial Scale	Regional Scale
Reporting Agency	Mactec, Inc
Start Date	06/01/2019
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	44 meters
Tree Dewline > 10m or below inlet	Inlet is 10 m above tree canopy
Distance Between Co-located	N/A
Wind Obstruction	None – Inlet is 10 m above tree canopy
Predominant ozone season wind direction	N/A
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	N/A

AQS ID	38-007-0002
CASTNET ID	THR422
Site Name	Theodore Roosevelt National Park
GPS Coordinates	46.894844, -103.377719
Street Address	13881 Interstate-94 East
County	Billings
Distance to Roads & ADT	410 meters; 995 ADT
CBSA Name	Dickinson, ND Micropolitan Statistical Area
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objective	Welfare Related Impacts and General/Background
Monitor Type	SLAMS
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	North Dakota - Department of Environmental Quality
Spatial Scale	Regional Scale
Reporting Agency	North Dakota - Department of Environmental Quality
Start Date	07/27/1998
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	12.2 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	240 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	11/6/2025

AQS ID	39-017-9991
CASTNET ID	OXF122
Site Name	Oxford
GPS Coordinates	39.531115, -84.723547
Street Address	Ecology Research Center, Miami University, Oxford, Ohio 45056
County	Butler
Distance to Roads & ADT	185 meters; 928 ADT
CBSA Name	Cincinnati-Middletown, OH-KY-IN Metropolitan Statistical Area
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objective	Welfare Related Impacts and Regional Transport
Monitor Type	EPA
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	USEPA - Air Quality Assessment Division
Spatial Scale	Regional Scale
Reporting Agency	Mactec, Inc
Start Date	04/01/2011
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	257 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	8/26/2025

AQS ID	39-121-9991
CASTNET ID	QAK172
Site Name	Quaker City
GPS Coordinates	39.942714, -81.337914
Street Address	58163 St. Johns Rd, Quaker City, OH 43773
County	Noble
Distance to Roads & ADT	150 meters; estimated < 1000 ADT
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objective	Welfare Related Impacts and Regional Transport
Monitor Type	EPA
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	USEPA - Air Quality Assessment Division
Spatial Scale	Regional Scale
Reporting Agency	Mactec, Inc
Start Date	01/01/2011
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	203 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	8/26/2025

AQS ID	40-001-9009
CASTNET ID	CHE185
Site Name	Cherokee Nation
GPS Coordinates	35.750786, -94.669789
Street Address	South Highway 59, Rr1, 1795 Dahlonegah Park Road, Stilwell, Oklahoma
County	Adair
Distance to Roads & ADT	230 meters; 280 ADT
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objective	Welfare Related Impacts and Regional Transport
Monitor Type	TRIBAL
Instrument	TAPI T400
Method Code	087
FRM or FEM	FEM
Collecting Agency	Cherokee Nation, Oklahoma
Spatial Scale	Regional Scale
Reporting Agency	Cherokee Nation, Oklahoma
Start Date	04/01/2002
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	156 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	12/3/2025

AQS ID	40-013-0001
CASTNET ID	CNO014
Site Name	Choctaw Nation of Oklahoma
GPS Coordinates	34.0534, -96.3482
Street Address	579 Caddo Hwy Caddo, OK 74729
County	Bryan
Distance to Roads & ADT	
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objective	Welfare Related Impacts and Regional Transport
Monitor Type	TRIBAL
Instrument	
Method Code	087
FRM or FEM	FEM
Collecting Agency	Choctaw Nation of Oklahoma
Spatial Scale	Regional Scale
Reporting Agency	Choctaw Nation of Oklahoma
Start Date	04/01/2026
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	3.5 meters
Tree Dewline > 10m or below inlet	N/A
Distance Between Co-located	N/A
Wind Obstruction	N/A
Predominant ozone season wind direction	
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	
Last PE Date	

AQS ID	42-001-9991
CASTNET ID	ARE128
Site Name	Arendtsville
GPS Coordinates	39.923241, -77.307863
Street Address	747 Winding Rd, Biglerville, PA 17307
County	Adams
Distance to Roads & ADT	300 meters; 3,435 ADT
CBSA Name	Gettysburg, PA Micropolitan Statistical Area
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objective	Welfare Related Impacts and Regional Transport
Monitor Type	EPA
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	USEPA - Air Quality Assessment Division
Spatial Scale	Regional Scale
Reporting Agency	Mactec, Inc
Start Date	01/01/2011
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	301 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	12/3/2025

AQS ID	42-027-9991
CASTNET ID	PSU106
Site Name	Penn State
GPS Coordinates	40.720902, -77.931759
Street Address	1366 Tadpole Rd, Pennsylvania Furnace, PA 16865
County	Centre
Distance to Roads & ADT	330 meters; 1,757 ADT
CBSA Name	State College, PA Metropolitan Statistical Area
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objective	Welfare Related Impacts and Regional Transport
Monitor Type	EPA
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	USEPA - Air Quality Assessment Division
Spatial Scale	Regional Scale
Reporting Agency	Mactec, Inc
Start Date	04/01/2011
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	250 degrees
Probe Material	Teflon$^{(R)}$
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	7/8/2025
Comment	Filter pack measurements suspended on May 10th 2022

AQS ID	42-047-9991
CASTNET ID	KEF112
Site Name	Kane Exp. Forest
GPS Coordinates	41.598119, -78.767866
Street Address	Kane Experimental Forest, Allegheny National Forest, Wilcox, PA 15870
County	Elk
Distance to Roads & ADT	160 meters; estimated < 1000 ADT
CBSA Name	St. Mary's, PA Micropolitan Statistical Area
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objective	Welfare Related Impacts and Regional Transport
Monitor Type	EPA
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	USEPA - Air Quality Assessment Division
Spatial Scale	Regional Scale
Reporting Agency	Mactec, Inc
Start Date	06/01/2011
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Fail; tree at 10 meters from inlet
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	259 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	7/29/2025

AQS ID	42-085-9991
CASTNET ID	MKG113
Site Name	M.K. Goddard
GPS Coordinates	41.426847, -80.145247
Street Address	Maurice K Goddard State Park, Sandy Lake, PA 16145
County	Mercer
Distance to Roads & ADT	110 meters; 572 ADT
CBSA Name	Youngstown-Warren-Boardman, OH-PA Metropolitan Statistical Area
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objective	Welfare Related Impacts and Regional Transport
Monitor Type	EPA
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	USEPA - Air Quality Assessment Division
Spatial Scale	Regional Scale
Reporting Agency	Mactec, Inc
Start Date	06/01/2011
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	297 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	7/30/2025

AQS ID	42-111-9991
CASTNET ID	LRL117
Site Name	Laurel Hill
GPS Coordinates	39.988309, -79.251573
Street Address	Laurel Hill State Park, Rockwood, PA 15557
County	Somerset
Distance to Roads & ADT	160 meters; estimated < 1000 ADT
CBSA Name	Somerset, PA Micropolitan Statistical Area
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objective	Welfare Related Impacts and Regional Transport
Monitor Type	EPA
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	USEPA - Air Quality Assessment Division
Spatial Scale	Regional Scale
Reporting Agency	Mactec, Inc
Start Date	04/01/2011
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	266 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	7/31/2025

AQS ID	47-009-0101
CASTNET ID	GRS420
Site Name	Great Smoky National Park Look Rock
GPS Coordinates	35.633482, -83.941606
Street Address	Great Smoky Mountains National Park Look Rock
County	Blount
Distance to Roads & ADT	230 meters; 580 ADT
CBSA Name	Knoxville, TN Metropolitan Statistical Area
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objective	Welfare Related Impacts and Regional Transport
Monitor Type	NON-EPA FEDERAL
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	National Park Service
Spatial Scale	Regional Scale
Reporting Agency	National Park Service
Start Date	03/13/1984
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	287 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	11/18/2025

AQS ID	47-025-9991
CASTNET ID	SPD111
Site Name	Speedwell
GPS Coordinates	36.46983, -83.826511
Street Address	718 Russell Hill Rd, Speedwell, TN 37870
County	Claiborne
Distance to Roads & ADT	270 meters; 510 ADT
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objective	Welfare Related Impacts and Regional Transport
Monitor Type	EPA
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	USEPA - Air Quality Assessment Division
Spatial Scale	Regional Scale
Reporting Agency	Mactec, Inc
Start Date	03/01/2011
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	255 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	10/27/2025

AQS ID	47-041-9991
CASTNET ID	ESP127
Site Name	Edgar Evins
GPS Coordinates	36.03893, -85.73305
Street Address	Edgar Evins State Park, Smithville, TN 37166
County	DeKalb
Distance to Roads & ADT	65 meters; estimated < 1000 ADT
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objective	Welfare Related Impacts and Regional Transport
Monitor Type	EPA
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	USEPA - Air Quality Assessment Division
Spatial Scale	Regional Scale
Reporting Agency	Mactec, Inc
Start Date	03/01/2011
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	255 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	6/18/2025

AQS ID	48-043-0101
CASTNET ID	BBE401
Site Name	Big Bend National Park
GPS Coordinates	29.302651, -103.177813
Street Address	Big Bend National Park, Texas
County	Brewster
Distance to Roads & ADT	770 meters; estimated < 1000 ADT
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objective	Welfare Related Impacts and General/Background
Monitor Type	NON-EPA FEDERAL
Instrument	Teledyne T400
Method Code	087
FRM or FEM	FEM
Collecting Agency	National Park Service
Spatial Scale	Regional Scale
Reporting Agency	National Park Service
Start Date	10/01/1990
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	198 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	2/12/2025

AQS ID	48-373-9991
CASTNET ID	ALC188
Site Name	Alabama-Coushatta
GPS Coordinates	30.701577, -94.674011
Street Address	361 Tombigbee Rd, Livingston, TX 77351
County	Polk
Distance to Roads & ADT	84 meters; estimated < 1000 ADT
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objective	Welfare Related Impacts and Regional Transport
Monitor Type	EPA
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	USEPA - Air Quality Assessment Division
Spatial Scale	Regional Scale
Reporting Agency	Mactec, Inc
Start Date	04/01/2011
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	151 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	2/10/2025

AQS ID	48-381-9991
CASTNET ID	PAL190
Site Name	Palo Duro
GPS Coordinates	34.88061, -101.664703
Street Address	Palo Duro Canyon State Park, Canyon, TX 79015
County	Randall
Distance to Roads & ADT	3,660 meters; estimated < 1000 ADT
CBSA Name	Amarillo, TX Metropolitan Statistical Area
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objective	Welfare Related Impacts and General/Background
Monitor Type	EPA
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	USEPA - Air Quality Assessment Division
Spatial Scale	Regional Scale
Reporting Agency	Mactec, Inc
Start Date	06/01/2011
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	203 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	2/17/2025

AQS ID	49-037-0101
CASTNET ID	CAN407
Site Name	Canyonlands National Park
GPS Coordinates	38.458323, -109.82126
Street Address	Canyonlands National Park, Utah
County	San Juan
Distance to Roads & ADT	85 meters; estimated < 1000 ADT
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objective	Welfare Related Impacts and General/Background
Monitor Type	NON-EPA FEDERAL
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	National Park Service
Spatial Scale	Regional Scale
Reporting Agency	National Park Service
Start Date	09/01/1992
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	232 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	7/18/2025

AQS ID	49-047-1002
CASTNET ID	DIN431
Site Name	Dinosaur National Monument
GPS Coordinates	40.4373, -109.3046
Street Address	Dinosaur National Monument
County	Uintah
Distance to Roads & ADT	240 meters; 930 ADT
CBSA Name	Vernal, UT Micropolitan Statistical Area
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objective	Welfare Related Impacts and General/Background
Monitor Type	NON-EPA FEDERAL
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	National Park Service
Reporting Agency	National Park Service
Start Date	01/01/2012
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	241 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	7/17/2025

AQS ID	49-053-0130
CASTNET ID	ZIO433
Site Name	Zion National Park, Dalton's Wash
GPS Coordinates	37.1983, -113.1506
Street Address	Zion National Park, UT
County	Washington
Distance to Roads & ADT	335 meters; 6,113 ADT
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objective	Welfare Related Impacts and General/Background
Monitor Type	NON-EPA FEDERAL
Instrument	Teledyne T400
Method Code	087
FRM or FEM	FEM
Collecting Agency	National Park Service
Spatial Scale	Regional Scale
Reporting Agency	National Park Service
Start Date	12-JAN-2004
Sampling Frequency	Continuous
Sampling Season	01/01 – 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	88 degrees
Probe Material	Teflon®
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	7/15/2025

AQS ID	51-071-9992
CASTNET ID	VPI120
Site Name	Blue Grass Trail
GPS Coordinates	37.3232,-80.4572
Street Address	1567 Blue Grass Trail, Newport, VA 24136
County	Giles
Distance to Roads & ADT	> 100 meters
CBSA Name	Blacksburg-Christiansburg-Radford, VA Metropolitan Statistical Area
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objective	Welfare Related Impacts and Regional Transport
Monitor Type	EPA
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	USEPA - Air Quality Assessment Division
Spatial Scale	Regional Scale
Reporting Agency	Mactec, Inc
Start Date	04/01/2011
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	N/A
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	11/13/2025

AQS ID	51-113-0003
CASTNET ID	SHN418
Site Name	Shenandoah National Park- Big Meadows
GPS Coordinates	38.5231, -78.43471
Street Address	Shenandoah National Park Big Meadows
County	Madison
Distance to Roads & ADT	125 meters; estimated < 1000 ADT
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objective	Welfare Related Impacts and Regional Transport
Monitor Type	SLAMS & NON-EPA FEDERAL
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	National Park Service
Spatial Scale	Regional Scale
Reporting Agency	National Park Service
Start Date	07/01/1985
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	284 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	11/12/2025

AQS ID	51-147-9991
CASTNET ID	PED108
Site Name	Prince Edward
GPS Coordinates	37.165222, -78.307067
Street Address	Prince Edward-Gallion State Forest, Burkeville, VA 23922
County	Prince Edward
Distance to Roads & ADT	130 meters; estimated < 1000 ADT
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objective	Welfare Related Impacts and Regional Transport
Monitor Type	EPA
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	USEPA - Air Quality Assessment Division
Spatial Scale	Regional Scale
Reporting Agency	Mactec, Inc
Start Date	01/01/2011
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	230 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	11/14/2025

AQS ID	53-013-9991
CASTNET ID	UMA009
Site Name	Umatilla
GPS Coordinates	46.2026, -117.9539
Street Address	Dayton, WA
County	Columbia
Distance to Roads & ADT	160 meters; estimated < 1000 ADT
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objective	Welfare Related Impacts and General/Background
Monitor Type	EPA
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	USEPA - Air Quality Assessment Division
Spatial Scale	Regional Scale
Reporting Agency	Mactec, Inc
Start Date	05-NOV-2020
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	N/A
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	8/25/2025

AQS ID	54-021-9991
CASTNET ID	CDR119
Site Name	Cedar Creek
GPS Coordinates	38.879503, -80.847677
Street Address	Cedar Creek State Park, Cedarville, WV 26611
County	Gilmer
Distance to Roads & ADT	35 meters; 500 ADT
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objective	Welfare Related Impacts and Regional Transport
Monitor Type	EPA
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	USEPA - Air Quality Assessment Division
Spatial Scale	Regional Scale
Reporting Agency	Mactec, Inc
Start Date	04/01/2011
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	348 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	Monitoring resumed March 2, 2026
Frequency for 1 Pt QC	Daily
Last PE Date	11/11/2021

AQS ID	54-093-9991
CASTNET ID	PAR107
Site Name	Parsons
GPS Coordinates	39.090434, -79.661742
Street Address	USDA Northern Research Station, Monongahela National Forest, Parsons, WV 26287
County	Tucker
Distance to Roads & ADT	355 meters; 4,097 ADT
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objective	Welfare Related Impacts and Regional Transport
Monitor Type	EPA
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	USEPA - Air Quality Assessment Division
Spatial Scale	Regional Scale
Reporting Agency	Mactec, Inc
Start Date	06/01/2011
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	311 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	9/17/2025

AQS ID	55-119-9991
CASTNET ID	PRK134
Site Name	Perkinstown
GPS Coordinates	45.206525, -90.597209
Street Address	W 10746 County Highway M, Medford, WI 54451
County	Taylor
Distance to Roads & ADT	160 meters; 450 ADT
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objective	Welfare Related Impacts and Regional Transport
Monitor Type	EPA
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	USEPA - Air Quality Assessment Division
Spatial Scale	Regional Scale
Reporting Agency	Mactec, Inc
Start Date	04/01/2011
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	177 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	5/15/2025

AQS ID	56-001-9991
CASTNET ID	CNT169
Site Name	Centennial
GPS Coordinates	41.364531, -106.24002
Street Address	Roosevelt National Forest, Centennial, WY 82055
County	Albany
Distance to Roads & ADT	200 meters; estimated < 1000 ADT
CBSA Name	Laramie, WY Micropolitan Statistical Area
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objective	Welfare Related Impacts and General/Background
Monitor Type	EPA
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	USEPA - Air Quality Assessment Division
Spatial Scale	Regional Scale
Reporting Agency	Mactec, Inc
Start Date	06/01/2011
Sampling Frequency	Continuous
Sampling Season	01/01 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	269 degrees
Probe Material	Teflon(R)
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	8/10/2025

AQS ID	56-035-9991
CASTNET ID	PND165
Site Name	Pinedale
GPS Coordinates	42.929031, -109.787796
Street Address	Skyline Dr, Pinedale, WY 82941
County	Sublette
Distance to Roads & ADT	230 meters; estimated < 1000 ADT
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objective	Welfare Related Impacts and General/Background
Monitor Type	EPA
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	USEPA - Air Quality Assessment Division
Spatial Scale	Regional Scale
Reporting Agency	Mactec, Inc
Start Date	06/01/2011
Sampling Frequency	Continuous
Sampling Season	01/–1 - 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	320 degrees
Probe Material	Teflon®
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	9/23/2025
Comment	BLM-WSO supported meteorological measurements were suspended due to a stop-work order on April 28, 2025

AQS ID	56-039-0008
CASTNET ID	GRT434
Site Name	Grand Teton National Park
GPS Coordinates	43.6708,-110.5995
Street Address	Grand Teton National Park- Science School
County	Teton
Distance to Roads & ADT	145 meters; estimated < 1000 ADT
CBSA Name	Jackson, WY-ID Micropolitan Statistical Area
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objective	Welfare Related Impacts and General/Background
Monitor Type	NON-EPA FEDERAL
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	National Park Service
Spatial Scale	Regional Scale
Reporting Agency	National Park Service
Start Date	08/22/2011
Sampling Frequency	Continuous
Sampling Season	01/01 – 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Pass
Distance Between Co-located	N/A
Wind Obstruction	No obstructions around inlet
Predominant ozone season wind direction	193 degrees
Probe Material	Teflon®
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	7/25/2025

AQS ID	56-039-1011
CASTNET ID	YEL408
Site Name	Yellowstone National Park
GPS Coordinates	44.565356, -110.400338
Street Address	Yellowstone National Park
County	Teton
Distance to Roads & ADT	320 meters; estimated < 1000 ADT
CBSA Name	Jackson, WY-ID Micropolitan Statistical Area
Pollutant, POC	Ozone, 1
Parameter Code	44201
NAAQS Monitoring Objective	Welfare Related Impacts and General/Background
Monitor Type	NON-EPA FEDERAL
Instrument	Thermo 49i
Method Code	047
FRM or FEM	FEM
Collecting Agency	National Park Service
Spatial Scale	Regional Scale
Reporting Agency	National Park Service
Start Date	07/01/1996
Sampling Frequency	Continuous
Sampling Season	01/01 – 12/31
Probe Height	10 meters
Tree Dewline > 10m or below inlet	Fail
Distance Between Co-located	N/A
Wind Obstruction	Fail; tree at 15 meters from inlet
Predominant ozone season wind direction	220 degrees
Probe Material	Teflon®
Changes w/in 18 months	No
Frequency for 1 Pt QC	Daily
Last PE Date	7/24/2025

Appendix B. Quality Assurance Validation Template[1]

Ozone Validation Template

1) Requirement (O_3)	2) Frequency	3) Acceptance Criteria	Information /Action
CRITICAL CRITERIA - O_3	**CRITICAL CRITERIA - O_3**	**CRITICAL CRITERIA - O_3**	**CRITICAL CRITERIA - O_3**
Monitor	NA	Meets requirements listed in FRM/FEM designation	1) 40 CFR Part 58 App C Sec. 2.1 2) NA 3) 40 CFR Part 53 & FRM/FEM method list
One Point QC Check Single analyzer	Every 14 days	< ±7.1% (percent difference) or < ±1.5 ppb difference whichever is greater	1 and 2) 40 CFR Part 58 App A Sec. 3.1 3) Recommendation based on data quality objective (DQO) in 40 CFR Part 58 App A Sec. 2.3.1.2. QC Check Concentration range 0.005 - 0.08 ppm and 05/05/2016 Technical Note on AMTIC
Zero/span check	Every 14 days	Zero drift < ± 3.1 ppb (24 hours) < ± 5.1 ppb (> 24hours-14 day) Span drift < ± 7.1 %	1 and 2) QA Handbook Volume 2 Sec. 12.3 3) Recommendation and related to DQO
OPERATIONAL CRITERIA - O_3	**OPERATIONAL CRITERIA - O_3**	**OPERATIONAL CRITERIA - O_3**	**OPERATIONAL CRITERIA - O_3**
Shelter Temperature Range	Daily (hourly values)	20.0 to 30.0° C (Hourly avg) or per manufacturers specifications if designated to a wider temperature range	1, 2 and 3) QA Handbook Volume 2 Sec. 7.2.2 Generally, the 20.0-30.0° C range will apply but the most restrictive operable range of the instruments in the shelter may also be used as guidance. FRM/FEM list found on AMTIC provides temperature range for given instrument. FRM/FEM monitor testing is required at 20-30° C range per 40 CFR Part 53.32
Shelter Temperature Control	Daily (hourly values)	< 2.1° C standard deviation (SD) over 24 hours	1, 2 and 3) QA Handbook Volume 2 Sec. 7.2.2
Shelter Temperature Device Check	Every 182 days and 2/ calendar year	<± 2.1° C of standard	1, 2 and 3) QA Handbook Volume 2 Sec. 7.2.2
Annual Performance Evaluation Single analyzer	Every site every 365 days and 1/ calendar year within period of monitor operation,	Percent difference of audit levels 3-10 < ±15.1% Audit levels 1&2 < ± 1.5 ppb difference or <± 15.1%	1 and 2) 40 CFR Part 58 App A Sec. 3.1.2 3) Recommendation- 3 audit concentrations not including zero. AMTIC guidance 2/17/2011 AMTIC Technical Memo
Federal Audits (NPAP)	20% of sites audited in calendar year	Audit levels 1&2 < ± 1.5 ppb difference all other levels percent difference < ± 10.1%	1 and 2) 40 CFR Part 58 App A Sec. 3.1.3 3) NPAP QAPP/Standard Operating Procedure (SOP)

1) Requirement (O_3)	2) Frequency	3) Acceptance Criteria	Information /Action
Verification/Calibration	Upon receipt/adjustment/repair/ installation/moving and repair and recalibration of standard of higher level Every 182 day and 2/ calendar year if manual zero/span performed biweekly Every 365 day and 1/ calendar year if continuous zero/span performed daily	All points < ± 2.1 % or ≤ +1.5 ppb difference of best-fit straight line whichever is greater and Slope 1 ± 0.05	1) 40 CFR Part 50 App D 2) Recommendation 3) 40 CFR Part 50 App D Sec 4.5.5.6 Multi-point calibration (0 and 4 upscale points) Slope criteria is a recommendation
Zero Air/Zero Air Check	Every 365 days and 1/calendar year	Concentrations below lower detection limit (LDL)	1) 40 CFR Part 50 App D Sec. 4.1 2 and 3) Recommendation
O_3 Level 2 Standard	**O_3 Level 2 Standard**	**O_3 Level 2 Standard**	**O_3 Level 2 Standard**
Certification/recertification to Standard Reference Photometer (Level 1)	Every 365 days and 1/calendar year	single point difference < ± 3.1%	1) 40 CFR Part 50 App D Sec. 5.4 2 and 3) Transfer Standard Guidance EPA-454/B-10-001 Level 2 standard (formerly called primary standard) usually transported to EPA Regions SRP for comparison
Level 2 and Greater Transfer Standard Precision	Every 365 days and 1/calendar year	Standard Deviation less than 0.005 ppm or 3.0% whichever is greater	1) 40 CFR Part 50 Appendix D Sec. 3.1 2) Recommendation, part of reverification 3) 40 CFR Part 50 Appendix D Sec. 3.1
(if recertified via a transfer standard)	Every 365 days and 1/calendar year	Regression slopes = 1.00 ± 0.03 and two intercepts are 0 ± 3 ppb	1, 2 and 3) Transfer Standard Guidance EPA-545/B-10-001
O_3 Transfer standard (Level 3 and greater)	**O_3 Transfer standard (Level 3 and greater)**	**O_3 Transfer standard (Level 3 and greater)**	**O_3 Transfer standard (Level 3 and greater)**
Qualification	Upon receipt of transfer standard	< ±4.1% or < ±4 ppb (whichever greater)	1, 2 and 3) Transfer Standard Guidance EPA-545/B-10-001
Certification	After qualification and upon receipt/adjustment/repair	Relative standard deviation (RSD) of six slopes ≤ 3.7% SD of 6 intercepts ≤ 1.5	1, 2 and 3) Transfer Standard Guidance EPA-545/B-10-001 1
Recertification to higher level standard	Beginning and end of O_3 season or every 182 days and 2/calendar year whichever less	New slope = ± 0.05 of previous and RSD of six slopes ≤3.7% SD of 6 intercepts ≤ 1.5	1, 2 and 3) Transfer Standard Guidance EPA-545/B-10-001 recertification test that then gets added to most recent 5 tests. It does not meet acceptability certification fails
Detection (FEM/FRMs) Noise and LDL are part of the FEM/FRM requirements. It is recommended that monitoring organizations perform the LDL test to minimally confirm and establish the LDL of their monitor. Performing the LDL test will provide the noise information.			
Noise	Every 365 days and 1/ calendar year	≤ 0.0025 ppm (standard range) ≤ 0.001 ppm (lower range)	1) 40 CFR Part 53.23 (b) (definition & procedure) 2) Recommendation- info can be obtained from LDL 3) 40 CFR Part 53.20 Table B-1
Lower detectable limit	Every 365 days and 1/calendar year	≤ 0.005 ppm (standard range) ≤ 0.002 ppm (lower range)	1) 40 CFR Part 53.23 (b) (definition & procedure) 2) Recommendation 3) 40 CFR Part 53.20 Table B-1

1) Requirement (O_3)	2) Frequency	3) Acceptance Criteria	Information /Action
SYSTEMATIC CRITERIA - O_3	**SYSTEMATIC CRITERIA - O_3**	**SYSTEMATIC CRITERIA - O_3**	**SYSTEMATIC CRITERIA - O_3**
Standard Reporting Units	**All data**	**ppm (final units in AQS)**	**1, 2 and 3) 40 CFR Part 50 App U Sec. 3(a)**
Rounding convention for design value calculation	All routine concentration data	3 places after decimal with digits to right truncated	1, 2 and 3) 40 CFR Part 50 App U Sec. 3(a) The rounding convention is for averaging values for comparison to NAAQS not for reporting individual hourly values.
Completeness (seasonal)	3-Year Comparison	$\geq$ 90% (avg) daily max available in ozone season with min of 75% in any one year.	1,2,3) 40 CFR Part 50 App U Sec 4(b)
	8- hour average	$\geq$ if at least 6 of the hourly concentrations for the 8-hour period are available	1) 40 CFR Part 50 App U 2 and 3) 40 CFR Part 50 App U Sec. 3(b)
	Valid Daily Max	$\geq$ if valid 8-hour averages are available for at least 13 of the 17 consecutive 8-hour periods starting from 7:00 a.m. to 11:00 p.m	1) 40 CFR Part 50 App U 2,3) 40 CFR Part 50 App U Sec. 3(d)
Sample Residence Time Verification	Every 365 days and 1/calendar year	$\leq$ 20 Seconds	1) 40 CFR Part 58 App E, Sec. 9 (c) 2) Recommendation 3) 40 CFR Part 58 App E, Sec. 9 (c)
Sample Probe, Inlet, Sampling train	All sites	Borosilicate glass (e.g., Pyrex®) or Teflon®	1) 40 CFR Part 58 App E, Sec. Sec. 9 (a) 2) Recommendation 3) 40 CFR Part 58 App E, Sec. Sec. 9 (a) fluorinated ethylene propylene (FEP) and perfluoroalkoxy alkane (PFA) have been accepted as an equivalent material to Teflon. Replacement or cleaning is suggested as 1/year and more frequent if pollutant load or contamination dictate
Siting	Every 365 days and 1/calendar year	Meets siting criteria or waiver documented	1) 40 CFR Part 58 App E, Sec. 2-6 2) Recommendation 3) 40 CFR Part 58 App E, Sec. 2-6
EPA Standard O_3 Reference Photometer (SRP) Recertification (Level 1)	Every 365 days and 1/calendar year	Regression slope = 1.00 $\pm$ 0.01 and intercept < 3 ppb	1, 2 and 3) Transfer Standard Guidance EPA-454/B-10-001 This is usually at a Regional Office and is compared against the traveling SRP
Precision (using 1-point QC checks)	Calculated annually and as appropriate for design value estimates	90% confidence level (CL) coefficient of variation (CV) < 7.1%	1) 40 CFR Part 58 App A 2.3.1.2 & 3.1.1 2) 40 CFR Part 58 App A Sec. 4 (b) 3) 40 CFR Part 58 App A Sec. 4.1.2
Bias (using 1-point QC checks)	Calculated annually and as appropriate for design value estimates	95% CL < $\pm$ 7.1%	1) 40 CFR Part 58 App A 2.3.1.2 & 3.1.1 2) 40 CFR Part 58 App A Sec. 4 (b) 3) 40 CFR Part 58 App A Sec. 4.1.3

CO Validation Template

1) Requirement (CO)	2) Frequency	3) Acceptance Criteria	Information /Action
CRITICAL CRITERIA-CO	**CRITICAL CRITERIA-CO**	**CRITICAL CRITERIA-CO**	**CRITICAL CRITERIA-CO**
Sampler/Monitor	NA	Meets requirements listed in FRM/FEM designation	1) 40 CFR Part 58 App C Sec. 2.1 2) NA 3) 40 CFR Part 53 & FRM/FEM method list
One Point QC Check Single analyzer	Every 14 days	< ±10.1% (percent difference)	1 and 2) 40 CFR Part 58 App A Sec. 3.1.1 3) Recommendation based on DQO in 40 CFR Part 58 App A Sec. 2.3.1. QC Check Conc range 0.5 – 5 ppm
Zero/span check	Every 14 days	Zero drift < ± 0.41 ppm (24 hours) < ± 0.61 ppm (> 24hours-14 day) Span drift < ± 10.1 %	1 and 2) QA Handbook Volume 2 Sec. 12.3 3) Recommendation
OPERATIONAL CRITERIA-CO	**OPERATIONAL CRITERIA-CO**	**OPERATIONAL CRITERIA-CO**	**OPERATIONAL CRITERIA-CO**
Shelter Temperature range	Daily (hourly values)	20.0 to 30.0° C (Hourly avg) or per manufacturer's specifications if designated to a wider temperature range	1, 2 and 3) QA Handbook Volume 2 Sec. 7.2.2 Generally, the 20-30.0 °C range will apply but the most restrictive operable range of the instruments in the shelter may also be used as guidance. FRM/FEM list found on AMTIC provides temperature range for given instrument. FRM/FEM monitor testing is required at 20-30 °C range per 40 CFR Part 53.32
Shelter Temperature Control	Daily (hourly values)	< 2.1° C SD over 24 hours	1, 2 and 3) QA Handbook Volume 2 Sec. 7.2.2
Shelter Temperature Device Check	Every 182 days and 2/ calendar year	< ± 2.1° C of standard	1, 2 and 3) QA Handbook Volume 2 Sec. 7.2.2
Annual Performance Evaluation Single Analyzer	Every site every 365 days and 1/ calendar year	Percent difference of audit levels 3-10 < ± 15.1% Audit levels 1&2 < ± 0.031 ppm difference or < ± 15.1%	1 and 2) 40 CFR Part 58 App A Sec. 3.1.2 3) Recommendation- 3 audit concentrations not including zero. AMTIC Technical Memo
Federal Audits (NPAP)	20% of sites audited in a calendar year	Audit levels 1&2 < ± 0.031 ppm difference all other levels percent difference < ± 15.1%	1 and 2) 40 CFR Part 58 App A Sec. 3.1.3 3) NPAP QAPP/SOP
Verification/Calibration	Upon receipt/adjustment/repair/ installation/moving Every 182 day and 2/ calendar year if manual zero/span performed biweekly Every 365 days and 1/ calendar year if continuous zero/span performed daily	All points < ± 2.1 % or < ± 0.03 ppm difference of best-fit straight line. whichever is greater and Slope 1 ± 0.05	1) 40 CFR Part 50 App C Sec. 4 2 and 3) Recommendation See details about carbon dioxide (CO_2) sensitive instruments Multi-point calibration (0 and 4 upscale points) Slope criteria is a recommendation

1) Requirement (CO)	2) Frequency	3) Acceptance Criteria	Information /Action
Gaseous Standards	All gas cylinders	NIST Traceable (e.g., EPA Protocol Gas)	1) 40 CFR Part 50 Appendix C Sec. 4.3.1 2) NA Green Book 3) 40 CFR Part 50 Appendix C Sec. 4.3.1 See details about CO_2 sensitive instruments Gas producer used must participate in EPA Ambient Air Protocol Gas Verification Program 40 CFR Part 58 App A Sec. 2.6.1
Zero Air/Zero Air Check	Every 365 days and 1/ calendar year	< 0.1 ppm CO	1) 40 CFR Part 50 App C Sec. 4.3.2 2) Recommendation 3) 40 CFR Part 50 App C Sec. 4.3.2
Gas Dilution Systems	Every 365 days and 1/ calendar year or after failure of 1 point QC check or performance evaluation	Accuracy < $\pm$ 2.1 %	1, 2 and 3) Recommendation based on SO_2 requirement in 40 CFR Part 50 App A-1 Sec. 4.1.2
Detection (FEM/FRMs) Noise and LDL are part of the FEM/FRM requirements. It is recommended that monitoring organizations perform the LDL test to minimally confirm and establish the LDL of their monitor. Performing the LDL test will provide the noise information.			
Noise	Every 365 days and 1/ calendar year	$\leq$ 0.2 ppm (standard range) $\leq$ 0.1 ppm (lower range)	1) 40 CFR Part 53.23 (b) (definition & procedure) 2) Recommendation- info can be obtained from LDL 3) 40 CFR Part 53.20 Table B-1
Lower detectable level	Every 365 days and 1/ calendar year	$\leq$ 0.4 ppm (standard range) $\leq$ 0.2 ppm (lower range)	1) 40 CFR Part 53.23 (c) (definition & procedure) 2) Recommendation 3) 40 CFR Part 53.20 Table B-1
SYSTEMATIC CRITERIA-CO	**SYSTEMATIC CRITERIA-CO**	**SYSTEMATIC CRITERIA-CO**	**SYSTEMATIC CRITERIA-CO**
Standard Reporting Units	**All data**	**ppm (final units in AQS)**	1, 2 and 3) 40 CFR Part 50.8 (a)
Rounding convention for design value calculation	All routine concentration data	1 decimal place	1, 2 and 3) 40 CFR Part 50.8 (d) The rounding convention is for averaging values for comparison to NAAQS not for reporting individual hourly values.
Completeness	8-hour standard	75% of hourly averages for the 8-hour period	1) 40 CFR Part 50.8(c) 2) 40 CFR Part 50.8(a-2) 3) 40 CFR Part 50.8(c)
Sample Residence Time Verification	Every 365 days and 1/ calendar year	$\leq$ 20 Seconds	1, 2, and 3) Recommendation. CO not a reactive gas but suggest following same methods other gaseous criteria pollutants.
Sample Probe, Inlet, Sampling train	All Sites	Borosilicate glass (e.g., Pyrex®) or Teflon®	1, 2, and 3) Recommendation. CO not a reactive gas but suggest following same methods other gaseous criteria pollutants. FEP and PFA have been accepted as a equivalent material to Teflon. Replacement/cleaning is suggested as 1/year and more frequent if pollutant load dictate.
Siting	Every 365 days and 1/ calendar year	Meets siting criteria or waiver documented	1) 40 CFR Part 58 App E, Sec. 2-6 2) Recommendation 3) 40 CFR Part 58 App E, Sec. 2-6
Precision (using 1-point QC	Calculated annually and as	90% CL CV < 10.1%	1) 40 CFR part 58 App A Sec. 3.1.1

1) Requirement (CO)	2) Frequency	3) Acceptance Criteria	Information /Action
checks)	appropriate for design value estimates		2) 40 CFR Part 58 App A Sec. 4 (b) 3) 40 CFR Part 58 App A Sec. 4.1.2
Bias (using 1-point QC checks)	Calculated annually and as appropriate for design value estimates	95% CL < ± 10.1%	1) 40 CFR Part 58 App A Sec. 3.1.1 2) 40 CFR Part 58 App A Sec. 4 (b) 3) 40 CFR Part 58 App A Sec. 4.1.3

NO_2, NOx, NO Validation Template

1) Requirement (NO_2)	2) Frequency	3) Acceptance Criteria	Information /Action
CRITICAL CRITERIA- NO_2	**CRITICAL CRITERIA- NO_2**	**CRITICAL CRITERIA- NO_2**	**CRITICAL CRITERIA- NO_2**
Sampler/Monitor	**NA**	**Meets requirements listed in FRM/FEM designation**	1) 40 CFR Part 58 App C Sec. 2.1 2) NA 3) 40 CFR Part 53 & FRM/FEM method list
One Point QC Check Single analyzer	Every 14 days	< ±15.1% (percent difference) or < ± 1.5 ppb difference whichever is greater	1 and 2) 40 CFR Part 58 App A Sec. 3.1.1 3) Recommendation based on DQO in 40 CFR Part 58 App A Sec. 2.3.1.5 QC Check Conc range 0.005 - 0.08 ppm and 05/05/2016 Technical Note on AMTIC
Zero/span check	Every 14 days	Zero drift < ± 3.1 ppb (24 hours) < ± 5.1 ppb (> 24hours-14 day) Span drift < ± 10.1 %	1 and 2) QA Handbook Volume 2 Sec. 12.3 3) Recommendation and related to DQO
Converter Efficiency	During multi-point calibrations, span and audit Every 14 days	(≥96%) 96% – 104.1%	1) 40 CFR Part 50 App F Sec. 1.5.10 and 2.4.10 2) Recommendation 3) 40 CFR Part 50 App F Sec. 1.5.10 and 2.4.10 Regulation states ≥ 96%, 96 – 104.1% is a recommendation.

OPERATIONAL CRITERIA- NO_2	OPERATIONAL CRITERIA- NO_2	OPERATIONAL CRITERIA- NO_2	OPERATIONAL CRITERIA- NO_2
Shelter Temperature Range	Daily (hourly values)	20.0 to 30.0° C (Hourly avg) or per manufacturer's specifications if designated to a wider temperature range	1, 2 and 3) QA Handbook Volume 2 Sec. 7.2.2 Generally, the 20-30.0 ° C range will apply but the most restrictive operable range of the instruments in the shelter may also be used as guidance. FRM/FEM list found on AMTIC provides temp. range for given instrument. FRM/FEM monitor testing is required at 20-30 ° C range per 40 CFR Part 53.32

1) Requirement (NO_2)	2) Frequency	3) Acceptance Criteria	Information /Action
Shelter Temperature Control	Daily (hourly values)	< 2.1° C SD over 24 hours	1, 2 and 3) QA Handbook Volume 2 Sec. 7.2.2
Shelter Temperature Device Check	Every 182 days and 2/calendar year	< ± 2.1° C of standard	1, 2 and 3) QA Handbook Volume 2 Sec. 7.2.2
Annual Performance Evaluation Single Analyzer	Every site every 365 days and 1/ calendar year	Percent difference of audit levels 3-10 < ± 15.1% Audit levels 1&2 < ± 1.5 ppb difference or < ± 15.1%	1) 40 CFR Part 58 App A Sec. 3.1.2 2) 40 CFR Part 58 App A Sec. 3.1.2 3) Recommendation - 3 audit concentrations not including zero. AMTIC Technical Memo
Federal Audits (NPAP)	20% of sites audited in calendar year	Audit levels 1&2 < ± 1.5 ppb difference all other levels percent difference < ± 15.1%	1 & 2) 40 CFR Part 58 App A Sec. 3.1.3 3) NPAP QAPP/SOP
Verification/Calibration	Upon receipt/adjustment/repair/ installation/moving Every 182 day and 2/ calendar year if manual zero/span performed biweekly Every 365 day and 1/ calendar year if continuous zero/span performed daily	Instrument residence time ≤ 2 min Dynamic parameter ≥ 2.75 ppm-min All points < ± 2.1 % or ≤ ± 1.5 ppb difference of best-fit straight line whichever is greater and Slope 1 ± 0.05	1) 40 CFR Part 50 App F 2 and 3) Recommendation Multi-point calibration (0 and 4 upscale points) Slope criteria is a recommendation
Gaseous Standards	All gas cylinders	NIST Traceable (e.g., EPA Protocol Gas) 50-100 ppm of NO in Nitrogen with < 1 ppm NO_2	1) 40 CFR Part 50 App F Sec. 1.3.1 2) NA Green Book 3) 40 CFR Part 50 App F Sec. 1.3.1. A technical memo may change the concentration requirement. Gas producer used must participate in EPA Ambient Air Protocol Gas Verification Program 40 CFR Part 58 App A Sec. 2.6.1
Zero Air/ Zero Air Check	Every 365 days and 1/ calendar year	Concentrations below LDL	1) 40 CFR Part 50 App F Sec. 1.3.2 2 and 3) Recommendation

Gas Dilution Systems	Every 365 days and 1/ calendar year or after failure of 1 point QC check or performance evaluation	Accuracy < ± 2.1 %	1, 2 and 3) Recommendation based on SO2 requirement in 40 CFR Part 50 App A-1 Sec. 4.1.2
Detection (FEM/FRMs) Noise and Lower Detectable Limits (LDL) are part of the FEM/FRM requirements. It is recommended that monitoring organizations perform the LDL test to minimally confirm and establish the LDL of their monitor. Performing the LDL test will provide the noise information.			
Noise	Every 365 days and 1/ calendar year	≤ 0.005 ppm	1) 40 CFR Part 53.23 (b) (definition & procedure) 2) Recommendation- info can be obtained from LDL 3) 40 CFR Part 53.20 Table B-1
1) Requirement (NO_2)	**2) Frequency**	**3) Acceptance Criteria**	4) **Information /Action**
Lower detectable limit	Every 365 days and 1/ calendar year	≤ 0.01 ppm	1) 40 CFR Part 53.23 (c) (definition & procedure) 2) Recommendation 3) 40 CFR Part 53.20 Table B-1
SYSTEMATIC CRITERIA- NO_2	**SYSTEMATIC CRITERIA- NO_2**	**SYSTEMATIC CRITERIA- NO_2**	**SYSTEMATIC CRITERIA- NO_2**
Standard Reporting Units	**All data**	**ppb (final units in AQS)**	1, 2 and 3) 40 CFR Part 50 App S Sec. 2 (c)
Rounding convention for data reported to AQS	All routine concentration data	1 place after decimal with digits to right truncated	1, 2 and 3) 40 CFR Part 50 App S Sec. 4.2 (a) The rounding convention is for averaging values for comparison to NAAQS not for reporting individual hourly values.
Completeness	Annual Standard	≥ 75% hours in year	1) 40 CFR Part 50 App S Sec. 3.1(b) 2) 40 CFR Part 50 App S Sec. 3.1(a) 3) 40 CFR Part 50 App S Sec. 3.1(b)
	1-hour standard	1) 3 consecutive calendars years of complete data 2) 4 quarters complete in each year 3) ≥ 75% sampling days in quarter 4) ≥ 75% of hours in a day	1) 40 CFR Part 50 App S Sec. 3.2(b) 2) 40 CFR Part 50 App S Sec. 3.2(a) 3) 40 CFR Part 50 App S Sec. 3.2(b) More details in 40 CFR Part 50 App S
Sample Residence Time Verification	Every 365 days and 1/ calendar year	≤ 20 Seconds	1) 40 CFR Part 58 App E, Sec. 9 (c) 2) Recommendation 3) 40 CFR Part 58 App E, Sec. 9 (c)
Sample Probe, Inlet, Sampling train	All sites	Borosilicate glass (e.g., Pyrex®) or Teflon®	1, 2 and 3) 40 CFR Part 58 App E Sec. 9 (a) FEP and PFA have been accepted as equivalent material to Teflon. Replacement or cleaning is suggested as 1/year and more frequent if pollutant load or contamination dictate

Siting	Every 365 days and 1/ calendar year	Meets siting criteria or waiver documented	1) 40 CFR Part 58 App E, Secs 2-6 2) Recommendation 3) 40 CFR Part 58 App E, Sec. 2-6
Precision (using 1-point QC checks)	Calculated annually and as appropriate for design value estimates	90% CL CV < 15.1%	1) 40 CFR Part 58 App A Sec. 2.3.1.5 & 3.1.1 2) 40 CFR Part 58 App A Sec. 4 (b) 3) 40 CFR Part 58 App A Sec. 4.1.2
Bias (using 1-point QC checks)	Calculated annually and as appropriate for design value estimates	95% CL < ± 15.1%	1) 40 CFR Part 58 App A Sec. 2.3.1.5 & 3.1.1 2) 40 CFR Part 58 App A Sec. 4 (b) 3) 40 CFR Part 58 App A Sec. 4.1.3

SO_2 Validation Template

1) Requirement (SO_2)	2) Frequency	3) Acceptance Criteria	Information /Action
CRITICAL CRITERIA- SO_2	**CRITICAL CRITERIA- SO_2**	**CRITICAL CRITERIA- SO_2**	**CRITICAL CRITERIA- SO_2**
Sampler/Monitor	NA	Meets requirements listed in FRM/FEM designation	1) 40 CFR Part 58 App C Sec. 2.1 2) NA 3) 40 CFR Part 53 & FRM/FEM method list
One Point QC Check Single analyzer	Every 14 days	< +10.1% (percent difference) or < ± 1.5 ppb difference whichever is greater	1 and 2) 40 CFR Part 58 App A Sec. 3.1.1 3) Recommendation based on DQO in 40 CFR Part 58 App A Sec. 2.3.1.2 QC Check Conc range 0.005 - 0.08 ppm and 05/05/2016 Technical Note on AMTIC
Zero/span check	Every 14 days	Zero drift < + 3.1 ppb (24 hours) < + 5.1 ppb (> 24 hours-14 day) Span drift < ± 10.1 %	1 and 2) QA Handbook Volume 2 Sec. 12.3 3) Recommendation and related to DQO
OPERATIONAL CRITERIA- SO_2	**OPERATIONAL CRITERIA- SO_2**	**OPERATIONAL CRITERIA- SO_2**	**OPERATIONAL CRITERIA- SO_2**
Shelter Temperature Range	Daily (hourly values)	20.0 to 30.0° C. (Hourly avg) or per manufacturers specifications if designated to a wider temperature range	1, 2 and 3) QA Handbook Volume 2 Sec. 7.2.2 Generally, the 20-30.0 ° C range will apply but the most restrictive operable range of the instruments in the shelter may also be used as guidance. FRM/FEM list found on AMTIC provides temp. range for given instrument. FRM/FEM monitor testing is required at 20-30 ° C range per 40 CFR Part 53.32
Shelter Temperature Control	Daily (hourly values)	< 2.1° C SD over 24 hours	1, 2 and 3) QA Handbook Volume 2 Sec. 7.2.2
Shelter Temperature Device Check	every 180 days and 2/calendar year	< + 2.1° C of standard	1, 2 and 3) QA Handbook Volume 2 Sec. 7.2.2
Annual Performance Evaluation Single Analyzer	Every site every 365 days and 1/ calendar year	Percent difference of audit levels 3-10 < +15.1% Audit levels 1&2 < + 1.5 ppb difference or < +15.1%	1 and 2) 40 CFR Part 58 App A Sec. 3.1.2 3) Recommendation - 3 audit concentrations not including zero. AMTIC Technical Memo

Federal Audits (NPAP)	20% of sites audited in calendar year	Audit levels 1&2 < ± 1.5 ppb difference all other levels percent difference < ± 15.1%	1&2) 40 CFR Part 58 App A Sec. 3.1.3 3) NPAP QAPP/SOP
Verification/Calibration	Upon receipt/adjustment/repair/ installation/moving Every 182 day and 2/ calendar year if manual zero/span performed biweekly Every 365 day and 1/ calendar year if continuous zero/span performed daily	All points < ± 2.1 % or < ± 1.5 ppb difference of best-fit straight line whichever is greater and Slope 1 ± 0.05	1) 40 CFR Part 50 App A-1 Sec. 4 2 and 3) Recommendation Multi-point calibration (0 and 4 upscale points) Slope criteria is a recommendation
1) Requirement (SO_2)	**2) Frequency**	**3) Acceptance Criteria**	**Information /Action**
Gaseous Standards	All gas cylinders	NIST Traceable (e.g., EPA Protocol Gas)	1) 40 CFR Part 50 App A-1 Sec. 4.1.6.1 2) NA Green Book 3) 40 CFR Part 50 App F Sec. 1.3.1 Producers must participate in Ambient Air Protocol Gas Verification Program 40 CFR Part 58 App A Sec. 2.6.1
Zero Air/ Zero Air Check	Every 365 days and 1/ calendar year	Concentrations below LDL < 0.1 ppm aromatic hydrocarbons	1) 40 CFR Part 50 App A-1 Sec. 4.1.6.2 2) Recommendation 3) Recommendation and 40 CFR Part 50 App A-1 Sec. 4.1.6.2
Gas Dilution Systems	Every 365 days and 1/ calendar year or after failure of 1point QC check or performance evaluation	Accuracy < + 2.1 %	1) 40 CFR Part 50 App A-1Sec. 4.1.2 2) Recommendation 3) 40 CFR Part 50 App A-1 Sec. 4.1.2
Detection (FEM/FRMs) Noise and Lower Detectable Limits (LDL) are part of the FEM/FRM requirements. It is recommended that monitoring organizations perform the LDL test to minimally confirm and establish the LDL of their monitor. Performing the LDL test will provide the noise information.			
Noise	Every 365 days and 1/ calendar year	< 0.001 ppm (standard range) < 0.0005 ppm (lower range)	1) 40 CFR Part 53.23 (b) (definition & procedure) 2) Recommendation- info can be obtained from LDL 3) 40 CFR Part 53.20 Table B-1
Lower detectable level	Every 365 days and 1/ calendar year	< 0.002 ppm (standard range) < 0.001 ppm (lower range)	1) 40 CFR Part 53.23 (c) (definition & procedure) 2) Recommendation 3) 40 CFR Part 53.20 Table B-1
SYSTEMATIC CRITERIA- SO_2	**SYSTEMATIC CRITERIA- SO_2**	**SYSTEMATIC CRITERIA- SO_2**	**SYSTEMATIC CRITERIA- SO_2**
Standard Reporting Units	All data	ppb (final units in AQS)	1, 2 and 3) 40 CFR Part 50 App T Sec. 2 (c)
Rounding convention for design value calculation	All routine concentration data	1 place after decimal with digits to right truncated	1, 2 and 3) 40 CFR Part 50 App T Sec. 2 (c) The rounding convention is for averaging values for comparison to NAAQS not for reporting individual hourly values.
Completeness	1 hour standard	Hour – 75% of hour Day- 75% hourly Conc Quarter- 75% complete days Years- 4 complete quarters 5-min value reported only for valid hours	1, 2 and 3) 40 CFR Part 50 App T Sec. 3 (b), (c) More details in CFR on acceptable completeness. 5-min values or 5-min max value (40 CFR part 58.16(g)) only reported for the valid portion of the hour reported. If the hour is incomplete no 5-min or 5-min max

			reported.
Sample Residence Time Verification	Every 365 days and 1/ calendar year	≤ 20 Seconds	1) 40 CFR Part 58 App E, Sec. 9 (c) 2) Recommendation 3) 40 CFR Part 58 App E, Sec. 9 (c)
Sample Probe, Inlet, Sampling train	All sites	Borosilicate glass (e.g., Pyrex®) or Teflon®	1, 2 and 3) 40 CFR Part 58 App E Sec. 9 (a) FEP and PFA have been accepted as equivalent material to Teflon. Replacement or cleaning is suggested as 1/year and more frequent if pollutant load or contamination dictate
1) Requirement (SO_2)	**2) Frequency**	**3) Acceptance Criteria**	**Information /Action**
Siting	Every 365 days and 1/ calendar year	Meets siting criteria or waiver documented	1) 40 CFR Part 58 App E, Sec. 2-6 2) Recommendation 3) 40 CFR Part 58 App E, Sec. 2-6
Precision (using 1-point QC checks)	Calculated annually and as appropriate for design value estimates	90% CL CV < 10.1%	1) 40 CFR Part 58 App A Sec. 2.3.1.6 & 3.1.1 2) 40 CFR Part 58 App A Sec. 4 (b) 3) 40 CFR Part 58 App A Sec. 4.1.2
Bias (using 1-point QC checks)	Calculated annually and as appropriate for design value estimates	95% CL < ± 10.1%	1) 40 CFR Part 58 App A Sec. 2.3.1.6 & 3.1.1 2) 40 CFR Part 58 App A Sec. 4 (b) 3) 40 CFR Part 58 App A Sec. 4.1.3

[1] Table reproduced from EPA's *QA Handbook Appendix D Validation Templates. Ambient Air Quality Monitoring Program EPA-454/B-17-001 March, 2017. Appendix D. https://www.epa.gov/sites/default/files/2020-10/documents/app_d_validation_template_version_03_2017_for_amtic_rev_1.pdf*

[2] Match numbered details within the 4) Information/Action column with columns (1) Requirement (pollutant), (2) Frequency, and (3) Acceptance Criteria.

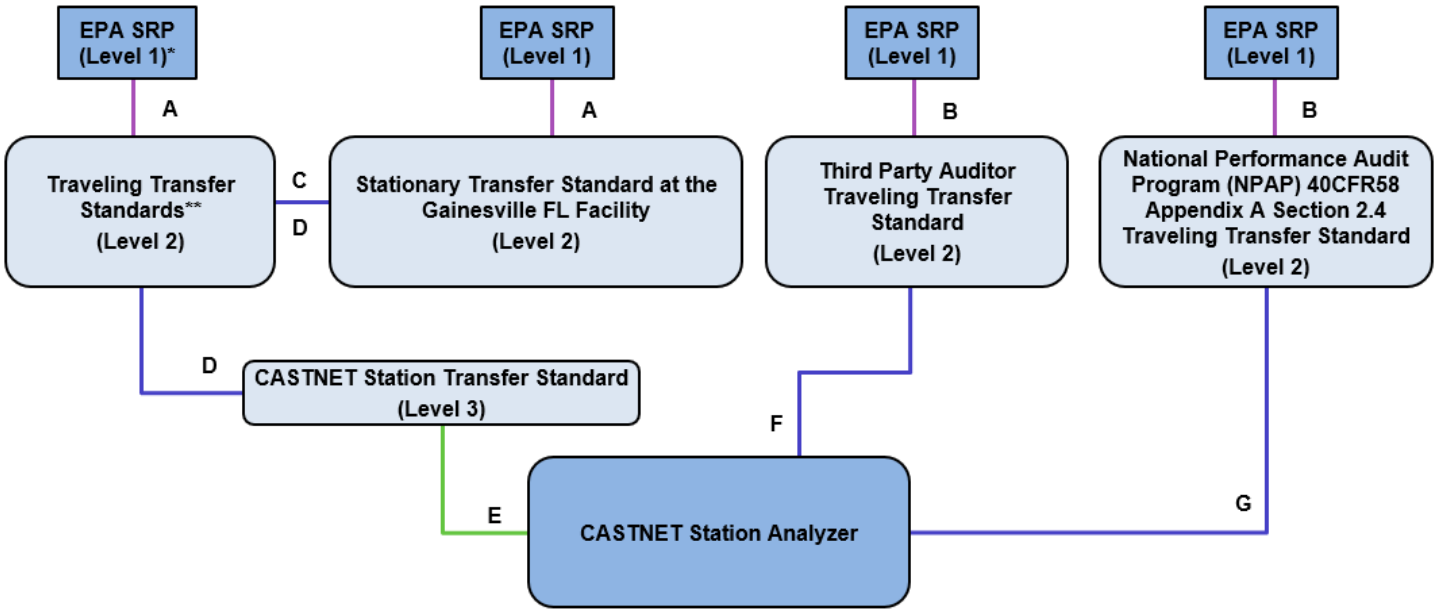
Appendix C. Ozone Season by State[1,2]

State	Begin Month	End Month
Alabama	March	October
Alaska	April	October
Arizona	January	December
Arkansas	March	November
California	January	December
Colorado	January	December
Connecticut	March	September
Delaware	March	October
District of Columbia	March	October
Florida	January	December
Georgia	March	October
Hawaii	January	December
Idaho	April	September
Illinois	March	October
Indiana	March	October
Iowa	March	October
Kansas	March	October
Kentucky	March	October
Louisiana (Northern) AQCR 019, 022	March	October
Louisiana (Southern) AQCR 106	January	December
Maine	April	September
Maryland	March	October
Massachusetts	March	September
Michigan	March	October
Minnesota	March	October
Mississippi	March	October
Missouri	March	October
Montana	April	September
Nebraska	March	October
Nevada	January	December
New Hampshire	March	September
New Jersey	March	October
New Mexico	January	December
New York	March	October
North Carolina	March	October
North Dakota	March	September
Ohio	March	October
Oklahoma	March	November
Oregon	May	September
Pennsylvania	March	October
Puerto Rico	January	December
Rhode Island	March	September
South Carolina	March	October
South Dakota	March	October
Tennessee	March	October
Texas (Northern) AQCR 022, 210, 211, 212, 215, 217, 218	March	November
Texas (Southern) AQCR 106, 153, 213, 214, 216	January	December
Utah	January	December
Vermont	April	September
Virginia	March	October
Washington	May	September
West Virginia	March	October

Wisconsin	March	October 15
Wyoming	January	September
American Samoa	January	December
Guam	January	December
Virgin Islands	January	December

[1] Ozone season by State from Appendix D to 40 CFR Part 58, Table D-3.
[2] Air Quality Control Region (AQCR) as delineated in 40 CFR Part 81, Subpart B.

Appendix D. CASTNET QAPP Ozone Certification Flowchart

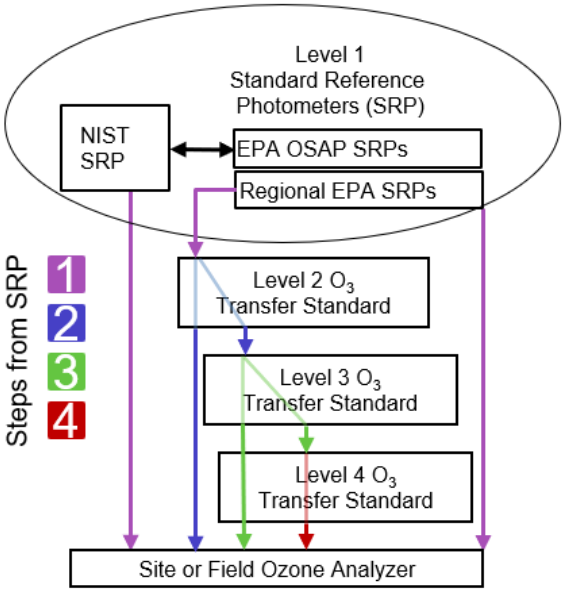


Legend

A = Annual verification
B = Quarterly verification
C = Quality control check ˜every 6 weeks**
D = Reverification every 6 months
E = Zero, span, and single point QC check daily
F = Audited annually
G = Audited every 5 years

**Level 2 traveling transfer standards receive quality control checks against Level 2 stationary transfer standards before and after each field deployment to assess any potential performance issues introduced from deployment, approximately every six weeks. No adjustment of the calibration coefficients are performed during these checks. Quality control checks outside of acceptable performance levels are followed up by corrective repair and verification against a Level 1 SRP.
These six-week quality control checks supplement the required annual verifications against Level 1 SRPs and six-month reverifications against Level 2 stationary transfer standards.

***Traceability**



Appendix E. EPA Regional Office Contacts Information

EPA Region	Name	Phone	Email
Region 1	Murphy, Alysha Buckley, Erin	617-918-8381 617-918-8611	murphy.alysha@epa.gov buckley.erin@epa.gov
Region 2	Ruvo, Richard A. Gavin, Lau	212-637-4014 212-637-3708	ruvo.richard@epa.gov gavin.lau@epa.gov
Region 3	Hyden, Loretta Joerger, Verena	215-814-2113 215-814-2218	hyden.loretta@epa.gov joerger.verena@epa.gov
Region 4	Rinck, Todd Garver, Daniel	404-562-9062 404-562-9839	rinck.todd@epa.gov garver.daniel@epa.gov
Region 5	Hamilton, Scott Compher, Michael	312-353-4775 312-886-5745	hamilton.scott@epa.gov compher.michael@epa.gov
Region 6	Apodaca, Suzanne Gildner, Brenton	214-665-6556 214-665-7376	apodaca.suzanne@epa.gov gildner.brenton@epa.gov
Region 7	Davis, Michael Krabbe, Stephen	913-551-5042 913-551-7991	davis.michael@epa.gov krabbe.stephen@epa.gov
Region 8	Rickard, Joshua Grapstein, Elyna	303-312-6460 303-312-6748	rickard.joshua@epa.gov grapstein.elyna@epa.gov
Region 9	Clover, Fletcher Vallano, Dena	415-972-3991 415-972-3134	clover.fletcher@epa.gov vallano.dena@epa.gov
Region 10	Waldo, Sarah Richardson, Joey	206-553-1504 206-553-2989	waldo.sarah@epa.gov richardson.joey@epa.gov

Appendix F. Outline for TSA Report

Please refer to *Conducting Technical Systems Audits of Ambient Air Monitoring Programs document # EPA-454/B-17-004 November 2017*

1. Executive Summary
2. Introduction
3. General Program and Quality Management (Audit of EPA contractor's office and NPS contractor's office)
    a. Complete General/Quality Management Forms
    b. Findings, Discussions, Recommendations
4. Network Management
    a. Complete Network Management, Field Support, Instrument Certification/Testing, Standards and Calibrations, and Instrument Repair Forms
    b. Table listing the site locations, number of monitors at each location, type of monitor (SLAMS, SPM, etc.), what is measured
    c. Findings, Discussions, Recommendations
5. Field Operations
    a. Complete Field Overview Forms
    b. Table that list site name, AQS ID, and pollutants monitored
    c. Findings, Discussions, Recommendations
6. Laboratory Operations
    a. Complete Laboratory Operations Forms
    b. Findings, Discussions, Recommendations
7. Data and Data Management
    a. Complete Data and Data Management Forms
    b. Findings, Discussions, Recommendations
8. Quality Control and Quality Assurance

Appendix G. Current list of 40 CFR Part 58 Compliant CASTNET Ozone and Trace-level Gas Monitors

EPA Region	STATE	AQS ID	POC	PARAM	SITE ID	AGY	PQAO[1]	NOTES	2020	2021	2022	2023	2024	2025	2026
1	CT	090159991	1	O3	ABT147	EPA	EPA		Y	Y	Y	Y	Y	Y	Y
1	ME	230090103	1	O3	ACA416	NPS	ME		Y	Y	Y	Y	Y	Y	Y
1	ME	230199991	1	O3	HOW132	EPA	EPA	Discontinued 10/2012							
1	NH	330099991	1	O3	WST109	EPA	EPA	Restarted Oct 2023	Y	Y			Y	Y	Y
2	NJ	340219991	1	O3	WSP144	EPA	EPA		Y	Y	Y	Y	Y	Y	Y
2	NY	361099991	1	O3	CTH110	EPA	EPA		Y	Y	Y	Y	Y	Y	Y
3	MD	240199991	1	O3	BWR139	EPA	EPA		Y	Y	Y	Y	Y	Y	Y
3	MD	240339991	1	SO_2 1Hr	BEL116	EPA	EPA	Discontinued 4/2017							
3	MD	240339991	2	SO_2 5Min	BEL116	EPA	EPA	Discontinued 4/2017							
3	MD	240339991	1	O3	BEL116	EPA	EPA		Y	Y	Y	Y	Y	Y	Y
3	PA	420019991	1	O3	ARE128	EPA	EPA		Y	Y	Y	Y	Y	Y	Y
3	PA	420279991	1	O3	PSU106	EPA	EPA	Suspended filter pack May 2022	Y	Y	Y	Y	Y	Y	Y
3	PA	420479991	1	O3	KEF112	EPA	EPA		Y	Y	Y	Y	Y	Y	Y
3	PA	420859991	1	O3	MKG113	EPA	EPA		Y	Y	Y	Y	Y	Y	Y
3	PA	421119991	1	O3	LRL117	EPA	EPA		Y	Y	Y	Y	Y	Y	Y
3	VA	510719992	1	O3	VPI120	EPA	EPA	Changed AQS ID in August 2020	Y	Y	Y	Y	Y	Y	Y
3	VA	511130003	1	O3	SHN418	NPS	NPS		Y	Y	Y	Y	Y	Y	Y
3	VA	511479991	1	O3	PED108	EPA	EPA		Y	Y	Y	Y	Y	Y	Y
3	WV	540219991	1	O3	CDR119	EPA	EPA	Resumed monitoring March 2026	Y	Y					Y
3	WV	540939991	1	O3	PAR107	EPA	EPA		Y	Y	Y	Y	Y	Y	Y
4	AL	010499991	1	O3	SND152	EPA	EPA		Y	Y	Y	Y	Y	Y	Y
4	FL	120619991	1	O3	IRL141	EPA	EPA		Y	Y	Y	Y	Y	Y	Y
4	FL	120779991	1	O3	SUM156	EPA	EPA		Y	Y	Y	Y	Y	Y	Y
4	GA	132319991	1	O3	GAS153	EPA	EPA		Y	Y	Y	Y	Y	Y	Y
4	KY	210610501	1	O3	MAC426	NPS	NPS		Y	Y	Y	Y	Y	Y	Y
4	KY	210610501	1	CO	MAC426	NPS	NPS	Discontinued July 31, 2023							
4	KY	210610501	1	SO_2 1Hr	MAC426	NPS	NPS	Discontinued July 31, 2023							
4	KY	210610501	5	SO_2 5Min	MAC426	NPS	NPS	Discontinued July 31, 2023							
4	KY	211759991	1	O3	CKT136	EPA	EPA		Y	Y	Y	Y	Y	Y	Y
4	KY	212299991	1	O3	MCK131	EPA	EPA		Y	Y	Y	Y	Y	Y	Y
4	KY	212299991	2	O3	MCK231	EPA	EPA	QA only beginning 1/1/2015[3]							
4	MS	281619991	1	O3	CVL151	EPA	EPA		Y	Y	Y	Y	Y	Y	Y
4	NC	370119991	1	O3	PNF126	EPA	EPA	Site closed 2025	Y	Y					
4	NC	370319991	1	O3	BFT142	EPA	EPA		Y	Y	Y	Y	Y	Y	Y
4	NC	371139991	1	O3	COW137	EPA	EPA		Y	Y	Y	Y	Y	Y	Y
4	NC	371239991	1	O3	CND125	EPA	EPA		Y	Y	Y	Y	Y	Y	Y
4	NC	N/A	NA	O3	DUK008	EPA	EPA	NAAQS-EXCLUDED							
4	TN	470090101	1	O3	GRS420	NPS	NPS		Y	Y	Y	Y	Y	Y	Y

4	TN	470259991	1	O3	SPD111	EPA	EPA		Y	Y	Y	Y	Y	Y	Y
4	TN	470419991	1	O3	ESP127	EPA	EPA		Y	Y	Y	Y	Y	Y	Y
5	IL	170191001	1	O3	BVL130	EPA	EPA		Y	Y	Y	Y	Y	Y	Y
5	IL	170191001	2	SO_2 1Hr	BVL130	EPA	EPA		Y	Y	Y	Y	Y	Y	Y
5	IL	170191001	3	SO_2 5Min	BVL130	EPA	EPA		Y	Y	Y	Y	Y	Y	Y
5	IL	170191001	1	CO	BVL130	EPA	EPA		Y	Y	Y	Y	Y	Y	Y
5	IL	170859991	1	O3	STK138	EPA	EPA		Y	Y	Y	Y	Y	Y	Y
5	IL	171199991	1	O3	ALH157	EPA	EPA	Discontinued on 12/6/2022	Y	Y	Y				
5	IN	180839991	1	O3	VIN140	EPA	EPA		Y	Y	Y	Y	Y	Y	Y
5	IN	181699991	1	O3	SAL133	EPA	EPA		Y	Y	Y	Y	Y	Y	Y
5	MI	261579991	1	O3	UVL124	EPA	EPA		Y	Y	Y	Y	Y	Y	Y
5	MI	261619991	1	O3	ANA115	EPA	EPA	Suspended filter pack May 2022	Y	Y	Y	Y	Y	Y	Y
5	MI	261659991	1	O3	HOX148	EPA	EPA		Y	Y	Y	Y	Y	Y	Y
5	MN	271370034	1	O3	VOY413	NPS	NPS		Y	Y	Y	Y	Y	Y	Y
5	OH	390179991	1	O3	OXF122	EPA	EPA		Y	Y	Y	Y	Y	Y	Y
5	OH	390479991	1	O3	DCP114	EPA	EPA	Site closed 2025	Y	Y					
5	OH	391219991	1	O3	QAK172	EPA	EPA		Y	Y	Y	Y	Y	Y	Y
5	WI	551199991	1	O3	PRK134	EPA	EPA		Y	Y	Y	Y	Y	Y	Y
6	AR	050199991	1	O3	CAD150	EPA	EPA		Y	Y	Y	Y	Y	Y	Y
6	OK	400019009	1	O3	CHE185	EPA	CN		Y	Y	Y	Y	Y	Y	Y
6	OK	400130001	1	O3	CNO014	EPA	CH								Y
6	NM	350150010	1	O3	CAV436	NPS	NPS	Existing NPS site, included w/CASTNET on 3/5/2021		Y	Y	Y	Y	Y	Y
6	NM	350450020	1	O3	CHC432	NPS	NPS	New site, 2017	Y	Y	Y	Y	Y	Y	Y
6	TX	480430101	1	O3	BBE401	NPS	NPS		Y	Y	Y	Y	Y	Y	Y
6	TX	483739991	1	O3	ALC188	EPA	EPA		Y	Y	Y	Y	Y	Y	Y
6	TX	483819991	1	O3	PAL190	EPA	EPA		Y	Y	Y	Y	Y	Y	Y
7	KS	201619991	1	O3	KNZ184	EPA	EPA	Discontinued 4/2013							
7	NE	311079992	1	O3	SAN192	EPA	EPA	Site moved and new AQS ID in 2024	Y	Y	Y	Y	Y	Y	Y
8	CO	080519991	1	O3	GTH161	EPA	EPA		Y	Y	Y	Y	Y	Y	Y
8	CO	080690007	3	O3	ROM206	EPA	EPA	QA only beginning 10/2012							
8	CO	080690007	1	O3	ROM406	NPS	NPS		Y	Y	Y	Y	Y	Y	Y
8	CO	080830101	1	O3	MEV405	NPS	NPS		Y	Y	Y	Y	Y	Y	Y
8	MT	300298001	1	O3	GLR468	NPS	NPS		Y	Y	Y	Y	Y	Y	Y
8	ND	380070002	1	O3	THR422	NPS	ND		Y	Y	Y	Y	Y	Y	Y
8	UT	490370101	1	O3	CAN407	NPS	NPS		Y	Y	Y	Y	Y	Y	Y
8	WY	560019991	1	O3	CNT169	EPA	EPA		Y	Y	Y	Y	Y	Y	Y
8	WY	560030002	1	O3	BAS601	BLM	BLM	A stop-work order was issued on April 28, 2025	Y	Y	Y	Y	Y		
8	WY	560359991	1	O3	PND165	EPA	EPA		Y	Y	Y	Y	Y	Y	Y
8	WY	560390008	1	O3	GRT434	NPS	NPS	Existing NPS site, included w/CASTNET on 7/1/2019	Y	Y	Y	Y	Y	Y	Y
8	WY	560391011	1	O3	YEL408	NPS	NPS		Y	Y	Y	Y	Y	Y	Y

8	WY	560450003	1	O3	NEC602	BLM	BLM	A stop-work order was issued on April 28, 2025	Y	Y	Y	Y	Y		
8	UT	490471002	1	O3	DIN431	NPS	NPS	New site 1/2014	Y	Y	Y	Y	Y	Y	Y
8	UT	490530130	1	O3	ZIO433	NPS	NPS	Existing NPS site, included w/CASTNET on 1/1/2018	Y	Y	Y	Y	Y	Y	Y
9	AZ	040038001	1	O3	CHA467	NPS	NPS		Y	Y	Y	Y	Y	Y	Y
9	AZ	040058001	1	O3	GRC474	NPS	NPS		Y	Y	Y	Y	Y	Y	Y
9	CA	060270101	1	O3	DEV412	NPS	NPS	Existing NPS site, included w/CASTNET on 5/1/2019	Y	Y	Y	Y	Y	Y	Y
9	CA	060430003	1	O3	YOS404	NPS	NPS		Y	Y	Y	Y	Y	Y	Y
9	CA	060690003	1	O3	PIN414	NPS	NPS		Y	Y	Y	Y	Y	Y	Y
9	CA	060719002	1	O3	JOT403	NPS	NPS		Y	Y	Y	Y	Y	Y	Y
9	CA	060739991	1	O3	LPO010	EPA	EPA	New site started 1/27/2023				Y	Y	Y	Y
9	CA	060893003	1	O3	LAV410	NPS	NPS		Y	Y	Y	Y	Y	Y	Y
9	CA	061070009	1	O3	SEK430	NPS	NPS		Y	Y	Y	Y	Y	Y	Y
9	NV	320330101	1	O3	GRB411	NPS	NPS		Y	Y	Y	Y	Y	Y	Y
10	AK	020680003	1	O3	DEN417	NPS	NPS		Y	Y	Y	Y	Y	Y	Y
10	WA	530139991	1	O3	UMA009	EPA	EPA	New site 11/2020		Y	Y	Y	Y	Y	Y
10	ID	160230101	1	O3	CRM435	NPS	NPS	Existing NPS site, included w/CASTNET on 11/1/2019	Y	Y	Y	Y	Y	Y	Y
10	ID	160499991	1	O3	NPT006	EPA	EPA	Site started on 9/2016	Y	Y	Y	Y	Y	Y	Y
								Network Ozone Sites[4]	**82**	**83**	**77**	**77**	**78**	**78**	**80**
								Network SO_2 Sites	**1**	**1**	**1**	**1**	**1**	**1**	**1**
								Network CO Sites	**1**	**1**	**1**	**1**	**1**	**1**	**1**

[1] See Appendix I for details on PQAO

[2] Year column indicates monitor may be compared to the NAAQS for that year

[3] Bold font indicates status change to the monitor for the upcoming year

[4] Network ozone site totals do not include the three NAAQS-excluded monitors used for quality assurance or research purposes (ROM206, MCK231, and DUK008)

Appendix H. CBSA Code and Title for CASTNET Sites

EPA RGN	AQS ID	POC	CASTNET ID	STATE	COUNTY	O3 DV PPB[1]	CBSA[2]	POP.[3]
1	090159991	1	ABT147	CT	Windham	64	Worcester, MA-CT	798,552
1	230090103	1	ACA416	ME	Hancock	63		
1	330099991	1	WST109	NH	Grafton		Claremont-Lebanon, NH-VT	
2	340219991	1	WSP144	NJ	Mercer	69	Trenton, NJ	366,513
2	361099991	1	CTH110	NY	Tompkins	60	Ithaca, NY	101,564
3	240199991	1	BWR139	MD	Dorchester	62	Cambridge, MD	
3	240339991	1	BEL116	MD	Prince George's	68	Washington-Arlington-Alexandria, DC-VA-MD-WV	5,582,170
3	420019991	1	ARE128	PA	Adams	65	Gettysburg, PA	
3	420279991	1	PSU106	PA	Centre	64	State College, PA	153,990
3	420479991	1	KEF112	PA	Elk	61		
3	420859991	1	MKG113	PA	Mercer	66	Youngstown-Warren-Boardman, OH-PA	565,773
3	421119991	1	LRL117	PA	Somerset	63	Somerset, PA	
3	510719992	1	VPI120	VA	Giles	63	Blacksburg-Christiansburg-Radford, VA	162,958
3	511130003	1	SHN418	VA	Madison	62		
3	511479991	1	PED108	VA	Prince Edward	57		
3	540219991	1	CDR119	WV	Gilmer			
3	540939991	1	PAR107	WV	Tucker	61		
4	010499991	1	SND152	AL	DeKalb	62		
4	120619991	1	IRL141	FL	Indian River	56	Sebastian-Vero Beach, FL	138,028
4	120779991	1	SUM156	FL	Liberty	55		
4	132319991	1	GAS153	GA	Pike	70	Atlanta-Sandy Springs-Roswell, GA	5,268,860
4	210610501	1	MAC426	KY	Edmonson	64	Bowling Green, KY	125,953
4	211759991	1	CKT136	KY	Morgan	60		
4	212299991	1	MCK131	KY	Washington	62		
4	212299991	2	MCK231	KY	Washington			
4	281619991	1	CVL151	MS	Yalobusha	61		
4	370119991	1	PNF126	NC	Avery			
4	370319991	1	BFT142	NC	Carteret	61	Morehead City, NC	
4	371139991	1	COW137	NC	Macon	59		
4	371239991	1	CND125	NC	Montgomery	61		
4	470090101	1	GRS420	TN	Blount	67	Knoxville, TN	698,030
4	470259991	1	SPD111	TN	Claiborne	60		
4	470419991	1	ESP127	TN	DeKalb	62		
5	170191001	1	BVL130	IL	Champaign	70	Champaign-Urbana, IL	231,891
5	170859991	1	STK138	IL	Jo Daviess	66		
5	171199991	1	ALH157	IL	Madison		St. Louis, MO-IL	2,812,896
5	180839991	1	VIN140	IN	Knox	68	Vincennes, IN	
5	181699991	1	SAL133	IN	Wabash	67	Wabash, IN	

5	261579991	1	UVL124	MI	Tuscola	67		
5	261619991	1	ANA115	MI	Washtenaw	66	Ann Arbor, MI	344,791
5	261659991	1	HOX148	MI	Wexford	68	Cadillac, MI	
5	271370034	1	VOY413	MN	Saint Louis	58	Duluth, MN-WI	279,771
5	390179991	1	OXF122	OH	Butler	67	Cincinnati, OH-KY-IN	2,130,151
5	390479991	1	DCP114	OH	Fayette		Washington Court House, OH	
5	391219991	1	QAK172	OH	Noble	65		
5	551199991	1	PRK134	WI	Taylor	63		
6	050199991	1	CAD150	AR	Clark	61	Arkadelphia, AR	
6	350150010	1	CAV436	NM	Eddy	80	Carlsbad-Artesia, NM	
6	350450020	1	CHC432	NM	San Juan	66	Farmington, NM	130,044
6	400019009	1	CHE185	OK	Adair	63		
6	400130001	1	CNO014	OK	Bryan		Dallas-Fort Worth, TX-OK	
6	480430101	1	BBE401	TX	Brewster			
6	483739991	1	ALC188	TX	Polk	60		
6	483819991	1	PAL190	TX	Randall	69	Amarillo, TX	249,881
7	200459991	1	HAS012	KS	Douglas		Lawrence, KS	
7	311079992	1	SAN192	NE	Knox			
8	080519991	1	GTH161	CO	Gunnison	66		
8	080690007	1	ROM406	CO	Larimer	71	Fort Collins, CO	299,630
8	080690007	3	ROM206	CO	Larimer		Fort Collins, CO	299,630
8	080830101	1	MEV405	CO	Montezuma	64		
8	300298001	1	GLR468	MT	Flathead	55	Kalispell, MT	
8	380070002	1	THR422	ND	Billings	62		
8	490370101	1	CAN407	UT	San Juan	65		
8	490471002	1	DIN431	UT	Uintah	76	Vernal, UT	
8	490530130	1	ZIO433	UT	Washington	65	St. George, UT	138,115
8	560019991	1	CNT169	WY	Albany	68	Laramie, WY	
8	560030002	1	BAS601	WY	Big Horn	60		
8	560359991	1	PND165	WY	Sublette	65		
8	560390008	1	GRT434	WY	Teton	61	Jackson, WY-ID	
8	560391011	1	YEL408	WY	Teton	58	Jackson, WY-ID	
8	560450003	1	NEC602	WY	Weston	64		
9	040038001	1	CHA467	AZ	Cochise	68	Sierra Vista-Douglas, AZ	
9	040058001	1	GRC474	AZ	Coconino	65	Flagstaff, AZ	134,421
9	060270101	1	DEV412	CA	Inyo	70		
9	060430003	1	YOS404	CA	Mariposa	69		
9	060430003	2	YOS204	CA	Mariposa			
9	060690003	1	PIN414	CA	San Benito	64	San Jose-Sunnyvale-Santa Clara, CA	1,836,911
9	060719002	1	JOT403	CA	San Bernardino	79	Riverside-San Bernardino-Ontario, CA	4,224,851
9	060893003	1	LAV410	CA	Shasta		Redding, CA	177,223
9	061070009	1	SEK430	CA	Tulare	88	Visalia-Porterville, CA	442,179
9	320330101	1	GRB411	NV	White Pine	64		

10	020680003	1	DEN417	AK	Denali	52		
10	160230101	1	CRM435	ID	Butte	61	Idaho Falls, ID	130,374
10	160499991	1	NPT006	ID	Idaho	57		
10	530139991	1	UMA009	WA	Columbia	59	Walla Walla, WA	

[1] Design values are displayed for the 2022-2024 sampling period when data completeness requirements are satisfied. These values originate from EPA OSAP's Air Trends website: https://www.epa.gov/air-trends/air-quality-design-values#report

[2] CBSA = Core Based Statistical Area - A statistical geographic entity consisting of the county or counties associated with at least one core (urbanized area or urban cluster) of at least 10,000 population, plus adjacent counties having a high degree of social and economic integration with the core as measured through commuting ties with the counties containing the core.

Definitions of statistical areas are from the Office of Management and Budget Federal Register Notice Vol 65, No. 249. December 27, 2000.
https://www.bls.gov/lau/frn249.pdf

[3]POP. = CBSA 2014 Census from AQAD's AIRSRAQS.CORE_BASED_STATISTICAL_AREAS Census Population Data

Appendix I. Summary of Current CASTNET Ozone and Trace-level Gas Monitors

2026 SUMMARY

PQAO[1]	PQAO Name	O_3	SO_2	CO
1344	Environmental Protection Agency –Air Quality Assessment Division	49[2]	1	1
0745	National Park Service – Air Resources Division	27		
905	Cherokee Nation	1		
907	Choctaw Nation of Oklahoma	1		
0782	North Dakota – Department of Environmental Quality	1		
0635	Maine Department of Environmental Protection – Bureau of Air Quality Control	1		
	Total	80	1	1

[1] Principal Quality Assurance Organization (PQAO) as identified within the AQS AMP480 report.
[2] EPA-AQAD's site count of 49 includes three NAAQS Excluded ozone monitors: the EPA-sponsored QA monitor in Rocky Mountain National Park, CO (ROM206), the co-located QA monitor in Mackville, KY (MCK231), and the ozone monitor sited above a forest canopy in Duke Forest, NC (DUK008).

Appendix J. CASTNET Parameter Key

CASTNET Parameter	Site List
Alberta Environment and Protected Areas Small Footprint Filter Pack	ALB801
BLM Small Footprint Filter Pack and Meteorology	BUF603, FOR605, SHE604 – ended operations on December 31, 2024
BLM Small Footprint Filter Pack, Ozone, and Meteorology	BAS601, NEC602 – ended operations on December 31, 2024
EPA Co-located Pair with Filter Pack and Ozone	MCK131/MCK231
EPA Filter Pack and Ozone	ABT147, ALC188, ARE128, BFT142, BWR139, CAD150, CKT136, CND125, CNT169, COW137, CTH110, CVL151, ESP127, GAS153, GTH161, HOX148, KEF112, LRL117, MKG113, OXF122, PAL190, PAR107, PED108, PND165, PRK134, QAK172, SAL133, SND152, SPD111, SUM156, UVL124, VIN140, VPI120, WSP144, WST109
EPA Filter Pack, Ozone, and Trace-level Gas	BVL130, SAN192, STK138
EPA Ozone - Suspended Filter Pack	ANA115, PSU106
EPA Suspended Filter Pack and Ozone	CDR119, DCP114
EPA Suspended Filter Pack, Ozone, and Trace-level Gas	PNF126
EPA Filter Pack	CAT175, EGB181, KNZ184, WFM105
EPA Filter Pack, Non-Regulatory Ozone, and Trace-level Gas	DUK008
EPA Filter Pack, Ozone, Meteorology, and Trace-level Gas	BVL130
EPA Filter Pack, Ozone, and Meteorology	BEL116, IRL141, PND165
EPA Filter Pack and Meteorology; Cherokee Nation Ozone	CHE185
EPA Filter Pack; Choctaw Nation of Oklahoma Ozone	CNO014
EPA Small Footprint Ozone and Filter Pack	HAS012, LPO010, NPT006, and UMA009
EPA Small Footprint Filter Pack	ALB801, NIC001, RED004, WFM105
NCore Participant	ACA416, BVL130, CHE185, GRS420
NPS Filter Pack	EVE419
NPS Filter Pack, Ozone, Meteorology, and Trace-level Gas	GRS420
NPS Filter Pack, Ozone, and Meteorology	ACA416, BBE401, CAN407, CHA467, DEN417, DIN431, GLR468, GRB411, GRC474, JOT403, LAV410, MAC426, MEV405, PIN414, SEK430, SHN418, VOY413, YEL408, YOS404
NPS Ozone and Meteorology	CAV436, CRM435, DEV412, GRT434, ZIO433
NPS Ozone, Meteorology, and Trace-level Gas	CHC432
NPS/EPA Co-located Pair with EPA Filter Pack, and Ozone	ROM406/ROM206
New York Department of Environmental Conservation Small Footprint	WFM105, NIC001

* Meteorological measurements at PND165 are sponsored by BLM-WSO, which were suspended when a stop-work order was issued on April 28, 2025.

Appendix K. CASTNET Suspended Site List

Site ID	AQS ID	POC	State	EPA Region	Parameters Active	Parameters Suspended
PSU106	420279991	1	PA	3	Ozone	Filter Pack
ANA115	261619991	1	MI	5	Ozone	Filter Pack
DCP114	390479991	1	OH	5		Ozone and Filter Pack
PNF126	370119991	1	NC	4		Filter Pack, Ozone, and Trace-level Gas
PND165	560359991	1	WY	8	Ozone and Filter Pack	Meteorology
BAS601	560030002	1	WY	8		Ozone, Filter Pack, and Meteorology
BUF603		1	WY	8		Filter Pack and Meteorology
FOR605		1	WY	8		Filter Pack and Meteorology
NEC602	560450003	1	WY	8		Ozone, Filter Pack, and Meteorology
SHE604		1	WY	8		Filter Pack and Meteorology

OWNER	STATE	ASSET TYPE	STATUS	MANUFACTURER	MODEL	SERIAL ID	ACQUIRED	PURCH PRICE	CONDITION	AGENCY ID
EPA/AQAD	CT	Ambient Temperature	In Service	RM Young	41342	6706	2/1/2002	$ 294	Poor	ABT147, 09-015-9991
EPA/AQAD	CT	Data Logger	In Service	Campbell Scientific	CR3000	2519	3/14/2008	$ 3,026	Poor	ABT147, 09-015-9991
EPA/AQAD	CT	Pollutant Monitor	In Service	Thermo Fisher	49I	1009241772	4/6/2010	$ 7,382	Fair	ABT147, 09-015-9991
EPA/AQAD	CT	Pollutant Monitor	In Service	Thermo Fisher	49I	1105347330	2/25/2011	$ 7,201	Fair	ABT147, 09-015-9991
EPA/AQAD	CT	Shelter	In Service	Ekto	8810	2149-9	1/1/1988	$ 5,638	Poor	ABT147, 09-015-9991
EPA/AQAD	CT	Tower	In Service	Aluma Tower	AT-516	N/A	9/1/1996	$ 1,373	Fair	ABT147, 09-015-9991
EPA/AQAD	CT		In Service	ETI Instruments	NOAH IV	4128	1/28/2009	$ 5,807	Poor	ABT147, 09-015-9991
EPA/AQAD	TX	Ambient Temperature	In Service	RM Young	41324	TS00032123	3/18/2020	$ 152	Fair	ALC188, 48-373-9991
EPA/AQAD	TX	Data Logger	In Service	Campbell Scientific	CR3000	2114	9/6/2007	$ 3,020	Poor	ALC188, 48-373-9991
EPA/AQAD	TX	Pollutant Monitor	In Service	Thermo Environmental	49I	0922236890	7/10/2009	$ 9,306	Poor	ALC188, 48-373-9991
EPA/AQAD	TX	Pollutant Monitor	In Service	Thermo Fisher	49I	1105347326	2/18/2011	$ 5,783	Fair	ALC188, 48-373-9991
EPA/AQAD	TX	Tower	In Service	Aluma Tower	AT-516D-1	N/A	10/7/2003	$ 2,480	Fair	ALC188, 48-373-9991
EPA/AQAD	TX		In Service	QuantAQ, Inc.	MODULAIR-PM	MOD-X-PM-01641	5/22/2025	$ 1,995	Good	ALC188, 48-373-9991
EPA/AQAD	MI	Ambient Temperature	In Service	RM Young	41342	14796	9/11/2008	$ 129	Poor	ANA115, 26-161-9991
EPA/AQAD	MI	Data Logger	In Service	Campbell Scientific	CR3000	2121	9/6/2007	$ 3,020	Poor	ANA115, 26-161-9991
EPA/AQAD	MI	Pollutant Monitor	In Service	Thermo Environmental	49I	0922236889	7/15/2009	$ 9,316	Poor	ANA115, 26-161-9991
EPA/AQAD	MI	Pollutant Monitor	In Service	Thermo Fisher	49I	1030244804	10/14/2010	$ 5,789	Fair	ANA115, 26-161-9991
EPA/AQAD	MI	Shelter	In Service	Ekto	8810	2140-3	8/1/1987	$ 5,708	Poor	ANA115, 26-161-9991
EPA/AQAD	MI	Tower	In Service	Aluma Tower	AT-516D-1	N/A	6/2/2005	$ 2,329	Fair	ANA115, 26-161-9991
EPA/AQAD	MI		In Service	ETI Instruments	NOAH IV	4130	2/3/2009	$ 5,816	Poor	ANA115, 26-161-9991
EPA/AQAD	PA	Ambient Temperature	In Service	RM Young	41342	14042	3/17/2008	$ 129	Poor	ARE128, 42-001-9991
EPA/AQAD	PA	Data Logger	In Service	Campbell Scientific	CR3000	2524	3/14/2008	$ 3,026	Poor	ARE128, 42-001-9991
EPA/AQAD	PA	Pollutant Monitor	In Service	Thermo Fisher	49I	08200009	7/7/2008	$ 8,318	Poor	ARE128, 42-001-9991
EPA/AQAD	PA	Pollutant Monitor	In Service	Thermo Fisher	49I	1009241780	4/6/2010	$ 7,376	Fair	ARE128, 42-001-9991
EPA/AQAD	PA	Shelter	In Service	Ekto	8810	2116-7	7/1/1987	$ 5,000	Poor	ARE128, 42-001-9991
EPA/AQAD	PA	Tower	In Service	Aluma Tower	AT-516	N/A	5/1/1993	$ 1,070	Fair	ARE128, 42-001-9991
EPA/AQAD	PA		In Service	ETI Instruments	NOAH IV	4081	4/22/2008	$ 6,691	Poor	ARE128, 42-001-9991
EPA/AQAD	PA		In Service	QuantAQ, Inc.	MODULAIR-PM	MOD-X-PM-01621	5/22/2025	$ 1,995	Good	ARE128, 42-001-9991
EPA/AQAD	PA		In Service	QuantAQ, Inc.	MODULAIR-PM	MOD-X-PM-01627	5/22/2025	$ 1,995	Good	ARE128, 42-001-9991
EPA/AQAD	PA		In Service	QuantAQ, Inc.	MOD-X-015-NORAM	MOD-X-00932	5/22/2025	$ 5,995	Good	ARE128, 42-001-9991
EPA/AQAD	MD	Ambient Temperature	In Service	RM Young	41342	5757	12/16/2000	$ 115	Poor	BEL116, 24-033-9991
EPA/AQAD	MD	Data Logger	In Service	Campbell Scientific	CR3000	2120	9/6/2007	$ 3,020	Poor	BEL116, 24-033-9991
EPA/AQAD	MD	Pollutant Monitor	In Service	Tekran	2537B	0342	12/10/2007	$ 33,845	Poor	BEL116, 24-033-9991
EPA/AQAD	MD	Pollutant Monitor	In Service	Thermo Fisher	49I	0726124695	9/20/2007	$ 8,555	Poor	BEL116, 24-033-9991
EPA/AQAD	MD	Pollutant Monitor	In Service	Thermo Fisher	49I	1009241791	4/6/2010	$ 7,376	Fair	BEL116, 24-033-9991
EPA/AQAD	MD	Pollutant Monitor	In Service	Thermo Fisher	49I	1030244817	10/14/2010	$ 7,237	Fair	BEL116, 24-033-9991
EPA/AQAD	MD	Relative Humidity	In Service	Vaisala	HMP50	E4920057	12/7/2009	$ 227	Poor	BEL116, 24-033-9991
EPA/AQAD	MD	Shelter	In Service	American Ecotech	AIRCARE 20-8	FBXU140098-0	1/17/2011	$ 51,794	Fair	BEL116, 24-033-9991
EPA/AQAD	MD	Shelter	In Service	Crosley Trailers	EW1211	1WC200E1223048026	1/15/2002	$ 8,398	Poor	BEL116, 24-033-9991
EPA/AQAD	MD	Solar Radiation	In Service	Li-Cor	LI-200SZ	67712	12/21/2009	$ 251	Poor	BEL116, 24-033-9991
EPA/AQAD	MD	Tower	In Service	Aluma Tower	AT-516D-1	N/A	10/1/2002	$ 1,394	Fair	BEL116, 24-033-9991
EPA/AQAD	MD	Tower	In Service	Aluma Tower	C-33	N/A	6/1/1987	$ 498	Fair	BEL116, 24-033-9991
EPA/AQAD	MD	Wetness	In Service	RM Young	58101	N/A	2/1/2002	$ 386	Poor	BEL116, 24-033-9991
EPA/AQAD	MD	Wind	In Service	RM Young	05305-5	100696	4/12/2010	$ 822	Fair	BEL116, 24-033-9991
EPA/AQAD	MD		In Service	QuantAQ, Inc.	MODULAIR-PM	MOD-X-PM-01615	5/22/2025	$ 1,995	Good	BEL116, 24-033-9991
EPA/AQAD	NC	Ambient Temperature	In Service	RM Young	41342	4542	10/1/1999	$ 116	Poor	BFT142, 37-031-9991
EPA/AQAD	NC	Data Logger	In Service	Campbell Scientific	CR3000	3815	5/27/2009	$ 3,437	Poor	BFT142, 37-031-9991
EPA/AQAD	NC	Pollutant Monitor	In Service	Thermo Environmental	49I	0622717854	7/21/2006	$ 8,551	Poor	BFT142, 37-031-9991
EPA/AQAD	NC	Pollutant Monitor	In Service	Thermo Fisher	49I	1030244790	10/14/2010	$ 5,784	Fair	BFT142, 37-031-9991
EPA/AQAD	NC	Shelter	In Service	Ekto	8810	2149-15	6/1/1988	$ 5,638	Poor	BFT142, 37-031-9991
EPA/AQAD	NC	Tower	In Service	Aluma Tower	9000077	N/A	3/6/2018	$ 4,230	Fair	BFT142, 37-031-9991
EPA/AQAD	NC		In Service	ETI Instruments	NOAH IV	4131	2/3/2009	$ 5,816	Poor	BFT142, 37-031-9991
EPA/AQAD	IL	Ambient Temperature	In Service	RM Young	41342	31770	10/2/2019	$ 137	Fair	BVL130, 17-019-1001
EPA/AQAD	IL	Ambient Temperature	In Service	RM Young	41342	6704	2/1/2002	$ 294	Poor	BVL130, 17-019-1001
EPA/AQAD	IL	Data Logger	In Service	Campbell Scientific	CR3000	2539	3/14/2008	$ 3,026	Poor	BVL130, 17-019-1001

OWNER	STATE	ASSET TYPE	STATUS	MANUFACTURER	MODEL	SERIAL ID	ACQUIRED	PURCH PRICE	CONDITION	AGENCY ID
EPA/AQAD	IL	Pollutant Monitor	In Service	Teledyne API	T100U	94	8/16/2012	$ 12,213	Fair	BVL130, 17-019-1001
EPA/AQAD	IL	Pollutant Monitor	In Service	Teledyne API	T200U	110	10/3/2012	$ 21,324	Fair	BVL130, 17-019-1001
EPA/AQAD	IL	Pollutant Monitor	In Service	Teledyne API	T300U	477	8/28/2019	$ 13,954	Fair	BVL130, 17-019-1001
EPA/AQAD	IL	Pollutant Monitor	In Service	Thermo Environmental	49I	0622717857	7/21/2006	$ 8,551	Poor	BVL130, 17-019-1001
EPA/AQAD	IL	Pollutant Monitor	In Service	Thermo Fisher	49I	1105347307	2/18/2011	$ 5,782	Fair	BVL130, 17-019-1001
EPA/AQAD	IL	Pollutant Monitor	In Service	Thermo Fisher	49I	1105347315	2/24/2011	$ 5,783	Fair	BVL130, 17-019-1001
EPA/AQAD	IL	Relative Humidity	In Service	Vaisala	HMP50	E4920058	12/7/2009	$ 227	Poor	BVL130, 17-019-1001
EPA/AQAD	IL	Shelter	In Service	Crosley Trailers	EW1211	1WC200E1423048027	1/18/2002	$ 8,398	Poor	BVL130, 17-019-1001
EPA/AQAD	IL	Shelter	In Service	Ekto	8810	2140-1	9/1/1987	$ 5,558	Poor	BVL130, 17-019-1001
EPA/AQAD	IL	Solar Radiation	In Service	Li-Cor	LI-200SZ	67718	12/21/2009	$ 251	Poor	BVL130, 17-019-1001
EPA/AQAD	IL	Tower	In Service	Aluma Tower	AT-516	N/A	5/1/1993	$ 1,070	Fair	BVL130, 17-019-1001
EPA/AQAD	IL	Tower	In Service	Aluma Tower	AT-516D-1	N/A	6/2/2005	$ 2,329	Fair	BVL130, 17-019-1001
EPA/AQAD	IL	Tower	In Service	Universal Manufacturing	4-30	N/A	7/1/1994	$ 294	Fair	BVL130, 17-019-1001
EPA/AQAD	IL	Wetness	In Service	RM Young	58101	N/A	6/1/1993	$ 278	Poor	BVL130, 17-019-1001
EPA/AQAD	IL	Wind	In Service	ETI Instruments	NOAH IV	4125	1/21/2009	$ 6,524	Poor	BVL130, 17-019-1001
EPA/AQAD	IL	Wind	In Service	RM Young	05305VM	49437	2/1/2002	$ 872	Poor	BVL130, 17-019-1001
EPA/AQAD	MD	Ambient Temperature	In Service	RM Young	41342	4009	3/1/1999	$ 110	Poor	BWR139, 24-019-9991
EPA/AQAD	MD	Ambient Temperature	In Service	RM Young	41342	4012	3/1/1999	$ 110	Poor	BWR139, 24-019-9991
EPA/AQAD	MD	Data Logger	In Service	Campbell Scientific	CR3000	2536	3/14/2008	$ 3,026	Poor	BWR139, 24-019-9991
EPA/AQAD	MD	Pollutant Monitor	In Service	Thermo Fisher	49I	08200022	7/30/2008	$ 8,079	Poor	BWR139, 24-019-9991
EPA/AQAD	MD	Pollutant Monitor	In Service	Thermo Fisher	49I	1105347323	2/18/2011	$ 5,783	Fair	BWR139, 24-019-9991
EPA/AQAD	MD	Shelter	In Service	Ekto	8810	2116-10	7/1/1987	$ 5,000	Poor	BWR139, 24-019-9991
EPA/AQAD	MD	Tower	In Service	Aluma Tower	AT-516	N/A	5/1/1994	$ 1,275	Fair	BWR139, 24-019-9991
EPA/AQAD	MD		In Service	QuantAQ, Inc.	MODULAIR-PM	MOD-X-PM-01616	5/22/2025	$ 1,995	Good	BWR139, 24-019-9991
EPA/AQAD	MD		In Service	QuantAQ, Inc.	MODULAIR-PM	MOD-X-PM-01635	5/22/2025	$ 1,995	Good	BWR139, 24-019-9991
EPA/AQAD	AR	Ambient Temperature	In Service	RM Young	41342	6696	2/1/2002	$ 294	Poor	CAD150, 05-019-9991
EPA/AQAD	AR	Data Logger	In Service	Campbell Scientific	CR3000	2530	3/14/2008	$ 3,026	Poor	CAD150, 05-019-9991
EPA/AQAD	AR	Pollutant Monitor	In Service	Thermo Fisher	49I	08200015	7/7/2008	$ 8,316	Poor	CAD150, 05-019-9991
EPA/AQAD	AR	Pollutant Monitor	In Service	Thermo Fisher	49I	1009241798	4/6/2010	$ 7,376	Fair	CAD150, 05-019-9991
EPA/AQAD	AR	Shelter	In Service	Ekto	8810	2149-2	11/1/1987	$ 5,558	Poor	CAD150, 05-019-9991
EPA/AQAD	AR	Tower	In Service	Aluma Tower	700975	N/A	3/6/2018	$ 1,415	Fair	CAD150, 05-019-9991
EPA/AQAD	AR	Tower	In Service	Aluma Tower	AT048	N/A	8/1/1987	$ 559	Fair	CAD150, 05-019-9991
EPA/AQAD	AR		In Service	QuantAQ, Inc.	MODULAIR-PM	MOD-X-PM-01629	5/22/2025	$ 1,995	Good	CAD150, 05-019-9991
EPA/AQAD	WV	Shelter	In Service	Ekto	8810	2116-3	7/1/1987	$ 5,000	Poor	CDR119, 54-021-9991
EPA/AQAD	WV	Tower	In Service	Aluma Tower	AT-516	N/A	6/1/1995	$ 1,330	Fair	CDR119, 54-021-9991
EPA/AQAD	OK	Ambient Temperature	In Service	RM Young	41342VC	12543	1/24/2007	$ 325	Poor	CHE185, 40-001-9009
EPA/AQAD	OK	Relative Humidity	In Service	Vaisala	102425	A0310104	3/15/2005	$ 499	Poor	CHE185, 40-001-9009
EPA/AQAD	OK	Solar Radiation	In Service	Li-Cor	LI-200SB	PY10654	10/1/1988	$ 150	Poor	CHE185, 40-001-9009
EPA/AQAD	OK	Tower	In Service	Aluma Tower	AT-516B	N/A	1/1/1999	$ 1,712	Fair	CHE185, 40-001-9009
EPA/AQAD	OK	Tower	In Service	Universal Manufacturing	4-30	N/A	8/1/1994	$ 294	Fair	CHE185, 40-001-9009
EPA/AQAD	OK	Wetness	In Service	RM Young	58101	N/A	5/1/1997	$ 362	Poor	CHE185, 40-001-9009
EPA/AQAD	OK	Wind	In Service	RM Young	05305-5	100698	4/12/2010	$ 822	Fair	CHE185, 40-001-9009
EPA/AQAD	OK		In Service	QuantAQ, Inc.	MOD-X-015-NORAM	MOD-X-00930	5/22/2025	$ 5,995	Good	CHE185, 40-001-9009
EPA/AQAD	OK		In Service	QuantAQ, Inc.	MOD-X-015-NORAM	MOD-X-00937	5/22/2025	$ 5,995	Good	CHE185, 40-001-9009
EPA/AQAD	KY	Ambient Temperature	In Service	RM Young	41342	6703	2/1/2002	$ 294	Poor	CKT136, 21-175-9991
EPA/AQAD	KY	Data Logger	In Service	Campbell Scientific	CR3000	2124	9/6/2007	$ 3,020	Poor	CKT136, 21-175-9991
EPA/AQAD	KY	Pollutant Monitor	In Service	Thermo Environmental	49I	0607315738	3/22/2006	$ 8,455	Poor	CKT136, 21-175-9991
EPA/AQAD	KY	Pollutant Monitor	In Service	Thermo Fisher	49I	1030244791	10/14/2010	$ 5,784	Fair	CKT136, 21-175-9991
EPA/AQAD	KY	Shelter	In Service	Ekto	8810	2116-2	9/1/1987	$ 5,558	Poor	CKT136, 21-175-9991
EPA/AQAD	KY	Tower	In Service	Aluma Tower	AT-516D-1	N/A	2/17/2014	$ 3,525	Fair	CKT136, 21-175-9991
EPA/AQAD	KY		In Service	QuantAQ, Inc.	MODULAIR-PM	MOD-X-PM-01613	5/22/2025	$ 1,995	Good	CKT136, 21-175-9991
EPA/AQAD	KY		In Service	QuantAQ, Inc.	MODULAIR-PM	MOD-X-PM-01637	5/22/2025	$ 1,995	Good	CKT136, 21-175-9991
EPA/AQAD	NC	Ambient Temperature	In Service	RM Young	41342	14035	3/17/2008	$ 129	Poor	CND125, 37-123-9991
EPA/AQAD	NC	Data Logger	In Service	Campbell Scientific	CR3000	3816	5/27/2009	$ 3,437	Poor	CND125, 37-123-9991
EPA/AQAD	NC	Pollutant Monitor	In Service	Thermo Environmental	49I	0622717853	7/19/2006	$ 8,551	Poor	CND125, 37-123-9991

OWNER	STATE	ASSET TYPE	STATUS	MANUFACTURER	MODEL	SERIAL ID	ACQUIRED	PURCH PRICE	CONDITION	AGENCY ID
EPA/AQAD	NC	Pollutant Monitor	In Service	Thermo Fisher	49I	1009241794	4/6/2010	$ 7,372	Fair	CND125, 37-123-9991
EPA/AQAD	NC	Shelter	In Service	Ekto	8810	2107-5	2/1/1987	$ 6,920	Poor	CND125, 37-123-9991
EPA/AQAD	NC	Tower	In Service	Aluma Tower	900077	N/A	10/28/2019	$ 5,381	Fair	CND125, 37-123-9991
EPA/AQAD	NC	Tower	In Service	Aluma Tower	AT-177	N/A	5/1/1990	$ 862	Fair	CND125, 37-123-9991
EPA/AQAD	NC	Tower	In Service	Aluma Tower	AT-516	N/A	7/1/1994	$ 1,277	Fair	CND125, 37-123-9991
EPA/AQAD	WY	Ambient Temperature	In Service	RM Young	41342	14606	8/1/2008	$ 136	Poor	CNT169, 56-001-9991
EPA/AQAD	WY	Data Logger	In Service	Campbell Scientific	CR3000	2526	3/14/2008	$ 3,026	Poor	CNT169, 56-001-9991
EPA/AQAD	WY	Pollutant Monitor	In Service	Thermo Fisher	49I	1009241793	4/6/2010	$ 7,376	Fair	CNT169, 56-001-9991
EPA/AQAD	WY	Pollutant Monitor	In Service	Thermo Fisher	49I	1030244809	10/14/2010	$ 7,192	Fair	CNT169, 56-001-9991
EPA/AQAD	WY	Shelter	In Service	Ekto	8810	2149-19	6/1/1988	$ 5,679	Poor	CNT169, 56-001-9991
EPA/AQAD	WY	Tower	In Service	Aluma Tower	AT-516D-1	N/A	6/2/2005	$ 2,329	Fair	CNT169, 56-001-9991
EPA/AQAD	WY		In Service	Li-Cor	LI-200SB	PY10666	10/1/1988	$ 150	Poor	CNT169, 56-001-9991
EPA/AQAD	NC	Ambient Temperature	In Service	RM Young	43347	N/A	5/1/1993	$ 109	Poor	COW137, 37-113-9991
EPA/AQAD	NC	Data Logger	In Service	Campbell Scientific	CR3000	2529	3/14/2008	$ 3,026	Poor	COW137, 37-113-9991
EPA/AQAD	NC	Pollutant Monitor	In Service	Thermo Environmental	49I	1200706582	4/14/2020	$ 14,775	Fair	COW137, 37-113-9991
EPA/AQAD	NC	Pollutant Monitor	In Service	Thermo Fisher	49I	1030244795	10/14/2010	$ 5,784	Fair	COW137, 37-113-9991
EPA/AQAD	NC	Shelter	In Service	Ekto	8810	2116-9	7/1/1987	$ 5,000	Poor	COW137, 37-113-9991
EPA/AQAD	NC	Tower	In Service	Aluma Tower	AT-516D-1	N/A	2/14/2005	$ 2,627	Fair	COW137, 37-113-9991
EPA/AQAD	NC	Tower	In Service	Aluma Tower	AT-516D-1	N/A	8/5/2014	$ 1,325	Fair	COW137, 37-113-9991
EPA/AQAD	NC	Tower	In Service	Aluma Tower	C-33	N/A	5/1/1990	$ 498	Fair	COW137, 37-113-9991
EPA/AQAD	NC		In Service	QuantAQ, Inc.	MODULAIR-PM	MOD-X-PM-01622	5/22/2025	$ 1,995	Good	COW137, 37-113-9991
EPA/AQAD	NC		In Service	QuantAQ, Inc.	MODULAIR-PM	MOD-X-PM-01634	5/22/2025	$ 1,995	Good	COW137, 37-113-9991
EPA/AQAD	NY	Ambient Temperature	In Service	RM Young	41342	31773	10/2/2019	$ 137	Fair	CTH110, 36-109-9991
EPA/AQAD	NY	Ambient Temperature	In Service	RM Young	41342VC	12540	1/24/2007	$ 325	Poor	CTH110, 36-109-9991
EPA/AQAD	NY	Data Logger	In Service	Campbell Scientific	CR3000	2510	3/14/2008	$ 3,026	Poor	CTH110, 36-109-9991
EPA/AQAD	NY	Pollutant Monitor	In Service	Thermo Fisher	49I	08200023	7/28/2008	$ 8,319	Poor	CTH110, 36-109-9991
EPA/AQAD	NY	Pollutant Monitor	In Service	Thermo Fisher	49I	1009241795	4/6/2010	$ 7,372	Fair	CTH110, 36-109-9991
EPA/AQAD	NY	Shelter	In Service	Ekto	8810	2116-6	7/1/1987	$ 6,920	Poor	CTH110, 36-109-9991
EPA/AQAD	NY	Tower	In Service	Aluma Tower	AT-516	N/A	5/1/1993	$ 1,070	Fair	CTH110, 36-109-9991
EPA/AQAD	NY		In Service	ETI Instruments	NOAH IV	4127	1/28/2009	$ 5,807	Poor	CTH110, 36-109-9991
EPA/AQAD	NY		In Service	QuantAQ, Inc.	MODULAIR-PM	MOD-X-PM-01618	5/22/2025	$ 1,995	Good	CTH110, 36-109-9991
EPA/AQAD	NY		In Service	QuantAQ, Inc.	MODULAIR-PM	MOD-X-PM-01630	5/22/2025	$ 1,995	Good	CTH110, 36-109-9991
EPA/AQAD	MS	Ambient Temperature	In Service	RM Young	43342B-01	N/A	9/8/2009	$ 62	Poor	CVL151, 28-161-9991
EPA/AQAD	MS	Data Logger	In Service	Campbell Scientific	CR3000	2515	3/14/2008	$ 3,026	Poor	CVL151, 28-161-9991
EPA/AQAD	MS	Pollutant Monitor	In Service	Thermo Fisher	49I	1030244803	10/14/2010	$ 5,786	Fair	CVL151, 28-161-9991
EPA/AQAD	MS	Pollutant Monitor	In Service	Thermo Fisher	49I	1030244812	10/14/2010	$ 7,192	Fair	CVL151, 28-161-9991
EPA/AQAD	MS	Shelter	In Service	Ekto	8810	2149-3	11/1/1987	$ 5,258	Poor	CVL151, 28-161-9991
EPA/AQAD	MS	Tower	In Service	Aluma Tower	AT048	N/A	8/1/1987	$ 559	Fair	CVL151, 28-161-9991
EPA/AQAD	MS		In Service	QuantAQ, Inc.	MODULAIR-PM	MOD-X-PM-01623	5/22/2025	$ 1,995	Good	CVL151, 28-161-9991
EPA/AQAD	NC	Data Logger	In Service	Campbell Scientific	CR1000	20484	4/6/2009	$ 1,539	Poor	DUK008, 37-135-9991
EPA/AQAD	NC	Data Logger	In Service	Campbell Scientific	CR3000	2520	3/14/2008	$ 3,026	Poor	DUK008, 37-135-9991
EPA/AQAD	NC	Data Logger	In Service	Campbell Scientific	CR850-ST-SW-NC	29012	1/8/2014	$ 1,753	Fair	DUK008, 37-135-9991
EPA/AQAD	NC	Pollutant Monitor	In Service	Teledyne API	T200U	109	10/3/2012	$ 21,324	Fair	DUK008, 37-135-9991
EPA/AQAD	NC	Pollutant Monitor	In Service	Thermo Environmental	49I	0607315737	3/22/2006	$ 8,455	Poor	DUK008, 37-135-9991
EPA/AQAD	NC	Pollutant Monitor	In Service	Thermo Fisher	49I	1009241781	4/6/2010	$ 7,372	Fair	DUK008, 37-135-9991
EPA/AQAD	TN	Ambient Temperature	In Service	RM Young	41342	14039	3/17/2008	$ 129	Poor	ESP127, 47-041-9991
EPA/AQAD	TN	Data Logger	In Service	Campbell Scientific	CR3000	2523	3/14/2008	$ 3,026	Poor	ESP127, 47-041-9991
EPA/AQAD	TN	Pollutant Monitor	In Service	Thermo Environmental	49I	0622717855	7/19/2006	$ 8,551	Poor	ESP127, 47-041-9991
EPA/AQAD	TN	Pollutant Monitor	In Service	Thermo Fisher	49I	1030244799	10/14/2010	$ 5,787	Fair	ESP127, 47-041-9991
EPA/AQAD	TN	Shelter	In Service	Ekto	8810	2140-5	11/1/1987	$ 5,558	Poor	ESP127, 47-041-9991
EPA/AQAD	TN	Tower	In Service	Aluma Tower	AT048	N/A	8/1/1987	$ 559	Fair	ESP127, 47-041-9991
EPA/AQAD	GA	Ambient Temperature	In Service	RM Young	41342	4038	3/1/1999	$ 110	Poor	GAS153, 13-231-9991
EPA/AQAD	GA	Data Logger	In Service	Campbell Scientific, Inc.	CR3000	4934	7/21/2010	$ 3,436	Fair	GAS153, 13-231-9991
EPA/AQAD	GA	Pollutant Monitor	In Service	Thermo Environmental	49I	0622717856	7/19/2006	$ 8,551	Poor	GAS153, 13-231-9991
EPA/AQAD	GA	Pollutant Monitor	In Service	Thermo Fisher	49I	1030244793	10/14/2010	$ 5,789	Fair	GAS153, 13-231-9991

OWNER	STATE	ASSET TYPE	STATUS	MANUFACTURER	MODEL	SERIAL ID	ACQUIRED	PURCH PRICE	CONDITION	AGENCY ID
EPA/AQAD	GA	Shelter	In Service	Ekto	8810	2140-6	11/1/1987	$ 5,558	Poor	GAS153, 13-231-9991
EPA/AQAD	GA	Tower	In Service	Aluma Tower	AT-516D-1	N/A	10/7/2003	$ 2,480	Fair	GAS153, 13-231-9991
EPA/AQAD	GA		In Service	QuantAQ, Inc.	MOD-015-NORAM	MOD-00511	10/26/2023	$ 4,500	Good	GAS153, 13-231-9991
EPA/AQAD	GA		In Service	QuantAQ, Inc.	MOD-015-NORAM	MOD-00512	10/26/2023	$ 4,500	Good	GAS153, 13-231-9991
EPA/AQAD	CO	Ambient Temperature	In Service	RM Young	41342VC	11742	5/23/2006	$ 342	Poor	GTH161, 08-051-9991
EPA/AQAD	CO	Data Logger	In Service	Campbell Scientific	CR3000	2513	3/14/2008	$ 3,026	Poor	GTH161, 08-051-9991
EPA/AQAD	CO	Pollutant Monitor	In Service	Thermo Environmental	49I	0611416461	3/30/2006	$ 8,458	Poor	GTH161, 08-051-9991
EPA/AQAD	CO	Pollutant Monitor	In Service	Thermo Fisher	49I	1105347308	2/18/2011	$ 5,782	Fair	GTH161, 08-051-9991
EPA/AQAD	CO	Shelter	In Service	Ekto	8810	2149-12	2/1/1988	$ 5,638	Poor	GTH161, 08-051-9991
EPA/AQAD	CO	Tower	In Service	Aluma Tower	AT048	N/A	2/1/1988	$ 625	Fair	GTH161, 08-051-9991
EPA/AQAD	CO	Tower	In Service	Aluma Tower	AT-431	N/A	1/1/1993	$ 971	Fair	GTH161, 08-051-9991
EPA/AQAD	CO		In Service	ETI Instruments	NOAH IV	4133	2/11/2009	$ 5,823	Poor	GTH161, 08-051-9991
EPA/AQAD	KS	Ambient Temperature	In Service	RM Young	41342	31775	10/2/2019	$ 137	Fair	HAS012, 20-045-9991
EPA/AQAD	KS	Data Logger	In Service	Campbell Scientific, Inc.	CR6-NA-ST-CC	25091	12/24/2024	$ 2,639	Good	HAS012, 20-045-9991
EPA/AQAD	KS	Pollutant Monitor	In Service	Thermo Environmental	49I	0622717852	7/19/2006	$ 8,551	Poor	HAS012, 20-045-9991
EPA/AQAD	KS	Pollutant Monitor	In Service	Thermo Fisher	49I	1105347309	2/18/2011	$ 5,783	Fair	HAS012, 20-045-9991
EPA/AQAD	KS	Tower	In Service	Aluma Tower	AT-516D-1	N/A	11/25/2013	$ 3,525	Fair	HAS012, 20-045-9991
EPA/AQAD	KS		In Service	QuantAQ, Inc.	MODULAIR-PM	MOD-X-PM-01631	5/22/2025	$ 1,995	Good	HAS012, 20-045-9991
EPA/AQAD	MI	Ambient Temperature	In Service	RM Young	41342	14038	3/17/2008	$ 129	Poor	HOX148, 26-165-9991
EPA/AQAD	MI	Data Logger	In Service	Campbell Scientific	CR3000	2533	3/14/2008	$ 3,026	Poor	HOX148, 26-165-9991
EPA/AQAD	MI	Pollutant Monitor	In Service	Thermo Fisher	49I	0929938242	10/20/2009	$ 9,304	Poor	HOX148, 26-165-9991
EPA/AQAD	MI	Pollutant Monitor	In Service	Thermo Fisher	49I	1105347317	2/18/2011	$ 5,782	Fair	HOX148, 26-165-9991
EPA/AQAD	MI	Shelter	In Service	Ekto	8810	2149-1	11/1/1987	$ 5,558	Poor	HOX148, 26-165-9991
EPA/AQAD	MI	Tower	In Service	Aluma Tower	AT-516B	N/A	9/1/2000	$ 1,908	Fair	HOX148, 26-165-9991
EPA/AQAD	FL	Ambient Temp/Relative Hum	In Service	Vaisala	HMP60-A12A0A2A0	W1026394	3/22/2024	$ 317	Good	IRL141, 12-061-9991
EPA/AQAD	FL	Ambient Temperature	In Service	RM Young	41342	14804	9/11/2008	$ 129	Poor	IRL141, 12-061-9991
EPA/AQAD	FL	Ambient Temperature	In Service	RM Young	41342	31776	10/2/2019	$ 137	Fair	IRL141, 12-061-9991
EPA/AQAD	FL	Ambient Temperature	In Service	RM Young	41342VC	12792	3/29/2007	$ 286	Poor	IRL141, 12-061-9991
EPA/AQAD	FL	Data Logger	In Service	Campbell Scientific	CR3000	2116	9/6/2007	$ 3,020	Poor	IRL141, 12-061-9991
EPA/AQAD	FL	Data Logger	In Service	Campbell Scientific	CR3000	2119	9/6/2007	$ 3,020	Poor	IRL141, 12-061-9991
EPA/AQAD	FL	Pollutant Monitor	In Service	Thermo Fisher	49I	08200019	7/2/2008	$ 8,316	Poor	IRL141, 12-061-9991
EPA/AQAD	FL	Pollutant Monitor	In Service	Thermo Fisher	49I	1030244797	10/14/2010	$ 5,789	Fair	IRL141, 12-061-9991
EPA/AQAD	FL	Shelter	In Service	Ekto	8810	2864-1	11/1/1995	$ 15,040	Poor	IRL141, 12-061-9991
EPA/AQAD	FL	Shelter	In Service	Ekto	1641-TR-2	TR-101	5/1/1990	$ 2,260	Poor	IRL141, 12-061-9991
EPA/AQAD	FL	Solar Radiation	In Service	Li-Cor	LI-200SB	PY10665	10/1/1988	$ 150	Poor	IRL141, 12-061-9991
EPA/AQAD	FL	Solar Radiation	In Service	Li-Cor	LI-200SZ	67713	12/21/2009	$ 251	Poor	IRL141, 12-061-9991
EPA/AQAD	FL	Tower	In Service	Aluma Tower	AT-516	N/A	9/1/1996	$ 1,373	Fair	IRL141, 12-061-9991
EPA/AQAD	FL	Tower	In Service	Aluma Tower	C-33	N/A	6/1/1987	$ 498	Fair	IRL141, 12-061-9991
EPA/AQAD	FL	Wetness	In Service	RM Young	58101	N/A	8/1/1994	$ 312	Poor	IRL141, 12-061-9991
EPA/AQAD	FL	Wind	In Service	RM Young	05305	35870	4/1/1999	$ 667	Poor	IRL141, 12-061-9991
EPA/AQAD	FL		In Service	QuantAQ, Inc.	MODULAIR-PM	MOD-X-PM-01619	5/22/2025	$ 1,995	Good	IRL141, 12-061-9991
EPA/AQAD	PA	Ambient Temperature	In Service	RM Young	41342	13992	2/27/2008	$ 136	Poor	KEF112, 42-047-9991
EPA/AQAD	PA	Data Logger	In Service	Campbell Scientific	CR3000	2537	3/14/2008	$ 3,026	Poor	KEF112, 42-047-9991
EPA/AQAD	PA	Pollutant Monitor	In Service	Thermo Fisher	49I	08200008	7/2/2008	$ 8,316	Poor	KEF112, 42-047-9991
EPA/AQAD	PA	Pollutant Monitor	In Service	Thermo Fisher	49I	1030244802	10/14/2010	$ 5,787	Fair	KEF112, 42-047-9991
EPA/AQAD	PA	Shelter	In Service	Ekto	8810	2149-14	3/1/1988	$ 5,638	Poor	KEF112, 42-047-9991
EPA/AQAD	PA	Tower	In Service	Aluma Tower	AT048	N/A	2/1/1988	$ 625	Fair	KEF112, 42-047-9991
EPA/AQAD	CA	Ambient Temperature	In Service	RM Young	41342	14805	9/11/2008	$ 129	Poor	LPO010, 06-073-9991
EPA/AQAD	CA	Ambient Temperature	In Service	RM Young	41342VC	TS08897	5/10/2004	$ 332	Poor	LPO010, 06-073-9991
EPA/AQAD	CA	Data Logger	In Service	Campbell Scientific	CR6-NA-ST-28385-5	20787	12/16/2022	$ 2,843	Good	LPO010, 06-073-9991
EPA/AQAD	CA	Pollutant Monitor	In Service	Thermo Environmental	49I	0922236891	7/15/2009	$ 9,316	Poor	LPO010, 06-073-9991
EPA/AQAD	CA	Pollutant Monitor	In Service	Thermo Fisher	49I	1030244805	10/14/2010	$ 5,786	Fair	LPO010, 06-073-9991
EPA/AQAD	CA	Tower	In Service	Aluma Tower	900078	N/A	11/1/2022	$ 6,536	Fair	LPO010, 06-073-9991
EPA/AQAD	CA		In Service	ETI Instruments	NOAH IV	4146	6/30/2009	$ 6,583	Poor	LPO010, 06-073-9991
EPA/AQAD	CA		In Service	NCON	00-120	60511	6/13/2025	$ 5,800	Good	LPO010, 06-073-9991

OWNER	STATE	ASSET TYPE	STATUS	MANUFACTURER	MODEL	SERIAL ID	ACQUIRED	PURCH PRICE	CONDITION	AGENCY ID
EPA/AQAD	PA	Ambient Temperature	In Service	RM Young	41342	4006	3/1/1999	$ 110	Poor	LRL117, 42-111-9991
EPA/AQAD	PA	Data Logger	In Service	Campbell Scientific	CR3000	2123	9/6/2007	$ 3,020	Poor	LRL117, 42-111-9991
EPA/AQAD	PA	Pollutant Monitor	In Service	Thermo Fisher	49I	0726124693	10/12/2007	$ 8,555	Poor	LRL117, 42-111-9991
EPA/AQAD	PA	Pollutant Monitor	In Service	Thermo Fisher	49I	1030244808	10/14/2010	$ 5,789	Fair	LRL117, 42-111-9991
EPA/AQAD	PA	Shelter	In Service	Ekto	8810	2116-5	7/1/1987	$ 5,000	Poor	LRL117, 42-111-9991
EPA/AQAD	PA	Tower	In Service	Aluma Tower	AT-516D-1	N/A	8/27/2012	$ 3,610	Fair	LRL117, 42-111-9991
EPA/AQAD	KY	Ambient Temperature	In Service	RM Young	43347-L34-VX-UC	23293	11/24/2014	$ 310	Fair	MCK131, 21-229-9991
EPA/AQAD	KY	Data Logger	In Service	Campbell Scientific	CR3000	2535	3/14/2008	$ 3,026	Poor	MCK131, 21-229-9991
EPA/AQAD	KY	Pollutant Monitor	In Service	Thermo Environmental	49I	0622717849	7/21/2006	$ 8,551	Poor	MCK131, 21-229-9991
EPA/AQAD	KY	Shelter	In Service	Ekto	8810	2203-1	9/1/1988	$ 6,020	Poor	MCK131, 21-229-9991
EPA/AQAD	KY	Tower	In Service	Aluma Tower	AT048	N/A	2/1/1988	$ 625	Fair	MCK131, 21-229-9991
EPA/AQAD	KY		In Service	ETI Instruments	NOAH IV	4147	6/30/2009	$ 6,583	Poor	MCK131, 21-229-9991
EPA/AQAD	KY	Ambient Temperature	In Service	RM Young	43347-L34-VX-UC	25496	11/24/2014	$ 310	Fair	MCK231, 21-229-9991
EPA/AQAD	KY	Data Logger	In Service	Campbell Scientific	CR3000	2127	9/6/2007	$ 3,020	Poor	MCK231, 21-229-9991
EPA/AQAD	KY	Pollutant Monitor	In Service	Thermo Fisher	49I	08200025	7/30/2008	$ 8,079	Poor	MCK231, 21-229-9991
EPA/AQAD	KY	Pollutant Monitor	In Service	Thermo Fisher	49I	1030244801	10/14/2010	$ 5,787	Fair	MCK231, 21-229-9991
EPA/AQAD	PA	Ambient Temperature	In Service	RM Young	41342	4010	3/1/1999	$ 110	Poor	MKG113, 42-085-9991
EPA/AQAD	PA	Ambient Temperature	In Service	RM Young	41342VC	12541	1/24/2007	$ 325	Poor	MKG113, 42-085-9991
EPA/AQAD	PA	Data Logger	In Service	Campbell Scientific	CR3000	2521	3/14/2008	$ 3,026	Poor	MKG113, 42-085-9991
EPA/AQAD	PA	Pollutant Monitor	In Service	Thermo Fisher	49I	0726124689	10/1/2007	$ 8,555	Poor	MKG113, 42-085-9991
EPA/AQAD	PA	Pollutant Monitor	In Service	Thermo Fisher	49I	1105347316	2/24/2011	$ 5,783	Fair	MKG113, 42-085-9991
EPA/AQAD	PA	Shelter	In Service	Ekto	8810	2116-4	7/1/1987	$ 5,000	Poor	MKG113, 42-085-9991
EPA/AQAD	PA	Tower	In Service	Aluma Tower	AT-516	N/A	5/1/1993	$ 1,070	Fair	MKG113, 42-085-9991
EPA/AQAD	ID	Ambient Temperature	In Service	RM Young	41342	31769	10/2/2019	$ 137	Fair	NPT006, 16-049-9991
EPA/AQAD	ID	Pollutant Monitor	In Service	Thermo Fisher	49I	08200024	7/30/2008	$ 8,079	Poor	NPT006, 16-049-9991
EPA/AQAD	ID	Pollutant Monitor	In Service	Thermo Fisher	49I	1009241779	4/6/2010	$ 7,372	Fair	NPT006, 16-049-9991
EPA/AQAD	ID	Tower	In Service	Aluma Tower	AT-516D-1	N/A	1/2/2015	$ 3,525	Fair	NPT006, 16-049-9991
EPA/AQAD	OH	Ambient Temperature	In Service	RM Young	41342	14803	9/11/2008	$ 129	Poor	OXF122, 39-017-9991
EPA/AQAD	OH	Data Logger	In Service	Campbell Scientific	CR3000	2528	3/14/2008	$ 3,026	Poor	OXF122, 39-017-9991
EPA/AQAD	OH	Pollutant Monitor	In Service	Thermo Fisher	49I	08200017	7/7/2008	$ 8,318	Poor	OXF122, 39-017-9991
EPA/AQAD	OH	Pollutant Monitor	In Service	Thermo Fisher	49I	1009241778	4/6/2010	$ 7,372	Fair	OXF122, 39-017-9991
EPA/AQAD	OH	Shelter	In Service	Ekto	8810	2107-4	2/1/1987	$ 5,000	Poor	OXF122, 39-017-9991
EPA/AQAD	OH	Tower	In Service	Aluma Tower	AT-516	N/A	9/1/1996	$ 1,373	Fair	OXF122, 39-017-9991
EPA/AQAD	OH		In Service	QuantAQ, Inc.	MODULAIR-PM	MOD-X-PM-01643	5/22/2025	$ 1,995	Good	OXF122, 39-017-9991
EPA/AQAD	TX	Ambient Temperature	In Service	RM Young	41342VC	12542	1/24/2007	$ 325	Poor	PAL190, 48-381-9991
EPA/AQAD	TX	Data Logger	In Service	Campbell Scientific	CR3000	2122	9/6/2007	$ 3,020	Poor	PAL190, 48-381-9991
EPA/AQAD	TX	Pollutant Monitor	In Service	Thermo Fisher	49I	0726124696	10/12/2007	$ 8,555	Poor	PAL190, 48-381-9991
EPA/AQAD	TX	Pollutant Monitor	In Service	Thermo Fisher	49I	1105347314	2/18/2011	$ 5,783	Fair	PAL190, 48-381-9991
EPA/AQAD	TX	Shelter	In Service	Shelter One	TYPE E	26012-02	3/8/2007	$ 19,040	Poor	PAL190, 48-381-9991
EPA/AQAD	TX	Tower	In Service	Aluma Tower	AT-516D-1	N/A	2/13/2007	$ 3,054	Fair	PAL190, 48-381-9991
EPA/AQAD	TX	Tower	In Service	Universal Manufacturing	4-30	N/A	12/11/2006	$ 514	Fair	PAL190, 48-381-9991
EPA/AQAD	WV	Ambient Temperature	In Service	RM Young	41342	4013	3/1/1999	$ 110	Poor	PAR107, 54-093-9991
EPA/AQAD	WV	Data Logger	In Service	Campbell Scientific	CR3000	2112	9/6/2007	$ 3,020	Poor	PAR107, 54-093-9991
EPA/AQAD	WV	Pollutant Monitor	In Service	Thermo Fisher	49I	08200012	7/7/2008	$ 8,318	Poor	PAR107, 54-093-9991
EPA/AQAD	WV	Pollutant Monitor	In Service	Thermo Fisher	49I	1009241792	4/6/2010	$ 7,376	Fair	PAR107, 54-093-9991
EPA/AQAD	WV	Shelter	In Service	Ekto	8810	2116-8	7/1/1987	$ 5,000	Poor	PAR107, 54-093-9991
EPA/AQAD	WV	Tower	In Service	Aluma Tower	AT048	N/A	5/1/1990	$ 559	Fair	PAR107, 54-093-9991
EPA/AQAD	WV	Tower	In Service	Aluma Tower	AT-516D-1	N/A	12/30/2014	$ 3,525	Fair	PAR107, 54-093-9991
EPA/AQAD	VA	Ambient Temperature	In Service	RM Young	41342	14041	3/17/2008	$ 129	Poor	PED108, 51-147-9991
EPA/AQAD	VA	Data Logger	In Service	Campbell Scientific	CR3000	2511	3/14/2008	$ 3,026	Poor	PED108, 51-147-9991
EPA/AQAD	VA	Pollutant Monitor	In Service	Thermo	49i-A3NCA	12228021007	1/4/2023	$ 15,162	Good	PED108, 51-147-9991
EPA/AQAD	VA	Pollutant Monitor	In Service	Thermo Fisher	49I	08200027	7/29/2008	$ 8,079	Poor	PED108, 51-147-9991
EPA/AQAD	VA	Pollutant Monitor	In Service	Thermo Fisher	49I	1105347319	2/18/2011	$ 5,783	Fair	PED108, 51-147-9991
EPA/AQAD	VA	Shelter	In Service	Ekto	8810	2116-13	9/1/1987	$ 5,558	Poor	PED108, 51-147-9991
EPA/AQAD	VA	Tower	In Service	Aluma Tower	AT-516D-1	N/A	8/27/2012	$ 3,610	Fair	PED108, 51-147-9991

OWNER	STATE	ASSET TYPE	STATUS	MANUFACTURER	MODEL	SERIAL ID	ACQUIRED	PURCH PRICE	CONDITION	AGENCY ID
EPA/AQAD	VA		In Service	ETI Instruments	NOAH IV	4082	4/22/2008	$ 6,011	Poor	PED108, 51-147-9991
EPA/AQAD	VA		In Service	QuantAQ, Inc.	MODULAIR-PM	MOD-X-PM-01626	5/22/2025	$ 1,995	Good	PED108, 51-147-9991
EPA/AQAD	WY	Ambient Temperature	In Service	RM Young	41342	4545	10/1/1999	$ 116	Poor	PND165, 56-035-9991
EPA/AQAD	WY	Data Logger	In Service	Campbell Scientific	CR3000	2516	3/14/2008	$ 3,026	Poor	PND165, 56-035-9991
EPA/AQAD	WY	Pollutant Monitor	In Service	Thermo Fisher	49I	1030244796	10/14/2010	$ 5,784	Fair	PND165, 56-035-9991
EPA/AQAD	WY	Pollutant Monitor	In Service	Thermo Fisher	49I	1030244815	10/14/2010	$ 7,194	Fair	PND165, 56-035-9991
EPA/AQAD	WY	Shelter	In Service	Ekto	8810	2149-22	9/1/1988	$ 5,679	Poor	PND165, 56-035-9991
EPA/AQAD	WY	Solar Radiation	In Service	Li-Cor	LI-200SA	PY05510	1/25/2007	$ 234	Poor	PND165, 56-035-9991
EPA/AQAD	WY	Tower	In Service	Aluma Tower	AT-516B	N/A	1/1/1999	$ 1,712	Fair	PND165, 56-035-9991
EPA/AQAD	WY	Tower	In Service	Aluma Tower	AT-516D-1	N/A	8/27/2012	$ 3,610	Fair	PND165, 56-035-9991
EPA/AQAD	WI	Ambient Temperature	In Service	RM Young	41342VC	12545	1/24/2007	$ 325	Poor	PRK134, 55-119-9991
EPA/AQAD	WI	Data Logger	In Service	Campbell Scientific	CR3000	3817	5/27/2009	$ 3,437	Poor	PRK134, 55-119-9991
EPA/AQAD	WI	Pollutant Monitor	In Service	Thermo Fisher	49I	0726124685	10/4/2007	$ 8,555	Poor	PRK134, 55-119-9991
EPA/AQAD	WI	Pollutant Monitor	In Service	Thermo Fisher	49I	1030244806	10/14/2010	$ 5,786	Fair	PRK134, 55-119-9991
EPA/AQAD	WI	Shelter	In Service	Ekto	8810	2116-11	11/1/1987	$ 5,258	Poor	PRK134, 55-119-9991
EPA/AQAD	WI	Tower	In Service	Aluma Tower	AT048	N/A	2/1/1988	$ 625	Fair	PRK134, 55-119-9991
EPA/AQAD	WI	Tower	In Service	Aluma Tower	AT-516D-1	N/A	8/5/2014	$ 1,325	Fair	PRK134, 55-119-9991
EPA/AQAD	WI		In Service	ETI Instruments	NOAH IV	4126	1/28/2009	$ 6,536	Poor	PRK134, 55-119-9991
EPA/AQAD	WI		In Service	QuantAQ, Inc.	MODULAIR-PM	MOD-X-PM-01648	5/22/2025	$ 1,995	Good	PRK134, 55-119-9991
EPA/AQAD	PA	Ambient Temperature	In Service	RM Young	41342VC	9642	2/23/2005	$ 342	Poor	PSU106, 42-027-9991
EPA/AQAD	PA	Data Logger	In Service	Campbell Scientific	CR3000	2512	3/14/2008	$ 3,026	Poor	PSU106, 42-027-9991
EPA/AQAD	PA	Pollutant Monitor	In Service	Thermo Environmental	49I	0726124686	9/18/2007	$ 8,318	Poor	PSU106, 42-027-9991
EPA/AQAD	PA	Pollutant Monitor	In Service	Thermo Fisher	49I	1009241786	4/6/2010	$ 7,382	Fair	PSU106, 42-027-9991
EPA/AQAD	PA	Tower	In Service	Aluma Tower	AT-177	N/A	9/1/1990	$ 862	Fair	PSU106, 42-027-9991
EPA/AQAD	PA		In Service	QuantAQ, Inc.	MODULAIR-PM	MOD-X-PM-01620	5/22/2025	$ 1,995	Good	PSU106, 42-027-9991
EPA/AQAD	OH	Ambient Temperature	In Service	RM Young	41342	13959	2/27/2008	$ 136	Poor	QAK172, 39-121-9991
EPA/AQAD	OH	Data Logger	In Service	Campbell Scientific	CR3000	2508	3/14/2008	$ 3,026	Poor	QAK172, 39-121-9991
EPA/AQAD	OH	Pollutant Monitor	In Service	Thermo Fisher	49I	0726124683	9/20/2007	$ 8,324	Poor	QAK172, 39-121-9991
EPA/AQAD	OH	Pollutant Monitor	In Service	Thermo Fisher	49I	1105347322	2/18/2011	$ 5,783	Fair	QAK172, 39-121-9991
EPA/AQAD	OH	Shelter	In Service	Ekto	8810	2625-2	5/1/1993	$ 7,783	Poor	QAK172, 39-121-9991
EPA/AQAD	OH	Tower	In Service	Aluma Tower	900077	N/A	10/28/2019	$ 5,381	Fair	QAK172, 39-121-9991
EPA/AQAD	OH	Tower	In Service	Aluma Tower	AT-516	N/A	5/1/1993	$ 1,070	Fair	QAK172, 39-121-9991
EPA/AQAD	OH		In Service	QuantAQ, Inc.	MODULAIR-PM	MOD-X-PM-01642	5/22/2025	$ 1,995	Good	QAK172, 39-121-9991
EPA/AQAD	CO	Ambient Temperature	In Service	RM Young	41342VC	12534	1/25/2007	$ 342	Poor	ROM206, 08-069-0007
EPA/AQAD	CO	Data Logger	In Service	Campbell Scientific	CR3000	2527	3/14/2008	$ 3,026	Poor	ROM206, 08-069-0007
EPA/AQAD	CO	Pollutant Monitor	In Service	Thermo Fisher	49I	08200016	7/2/2008	$ 8,316	Poor	ROM206, 08-069-0007
EPA/AQAD	CO	Pollutant Monitor	In Service	Thermo Fisher	49I	1105347327	2/9/2011	$ 5,789	Fair	ROM206, 08-069-0007
EPA/AQAD	CO	Shelter	In Service	Ekto	8810	2182-1	6/1/1988	$ 7,256	Poor	ROM206, 08-069-0007
EPA/AQAD	CO	Tower	In Service	Aluma Tower	AT-516D	N/A	5/24/2013	$ 5,446	Fair	ROM206, 08-069-0007
EPA/AQAD	IN	Ambient Temperature	In Service	RM Young	41342	14043	3/17/2008	$ 129	Poor	SAL133, 18-169-9991
EPA/AQAD	IN	Data Logger	In Service	Campbell Scientific	CR3000	2129	9/6/2007	$ 3,020	Poor	SAL133, 18-169-9991
EPA/AQAD	IN	Pollutant Monitor	In Service	Thermo Fisher	49I	0726124692	10/2/2007	$ 8,555	Poor	SAL133, 18-169-9991
EPA/AQAD	IN	Pollutant Monitor	In Service	Thermo Fisher	49I	1009241785	4/6/2010	$ 7,376	Fair	SAL133, 18-169-9991
EPA/AQAD	IN	Shelter	In Service	Ekto	8810	2149-8	12/1/1987	$ 5,558	Poor	SAL133, 18-169-9991
EPA/AQAD	IN	Tower	In Service	Aluma Tower	AT-516	N/A	6/1/1995	$ 1,330	Fair	SAL133, 18-169-9991
EPA/AQAD	NE	Ambient Temperature	In Service	RM Young	41342	14798	9/11/2008	$ 129	Poor	SAN192, 31-107-9992
EPA/AQAD	NE	Data Logger	In Service	Campbell Scientific	CR3000	2138	9/6/2007	$ 3,020	Poor	SAN192, 31-107-9992
EPA/AQAD	NE	Pollutant Monitor	In Service	Teledyne API	T200U	87	5/10/2012	$ 20,892	Fair	SAN192, 31-107-9992
EPA/AQAD	NE	Pollutant Monitor	In Service	Thermo Fisher	49I	08200010	7/7/2008	$ 8,318	Poor	SAN192, 31-107-9992
EPA/AQAD	NE	Pollutant Monitor	In Service	Thermo Fisher	49I	1009241782	4/6/2010	$ 7,372	Fair	SAN192, 31-107-9992
EPA/AQAD	NE	Pollutant Monitor	In Service	Thermo Fisher	49I	1030244789	10/14/2010	$ 5,784	Fair	SAN192, 31-107-9992
EPA/AQAD	NE	Shelter	In Service	Shelter One	E0810811	26012-01	6/27/2006	$ 18,159	Poor	SAN192, 31-107-9992
EPA/AQAD	NE	Tower	In Service	Aluma Tower	900078	NA	5/31/2024	$ 7,112	Fair	SAN192, 31-107-9992
EPA/AQAD	NE	Tower	In Service	Aluma Tower	AT-516D-1	N/A	2/18/2002	$ 2,350	Fair	SAN192, 31-107-9992
EPA/AQAD	NE		In Service	QuantAQ, Inc.	MODULAIR-PM	MOD-X-PM-01649	5/22/2025	$ 1,995	Good	SAN192, 31-107-9992

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EPA/AQAD	AL	Data Logger	In Service	Campbell Scientific	CR3000	2135	9/6/2007	$ 3,020	Poor	SND152, 01-049-9991
EPA/AQAD	AL	Pollutant Monitor	In Service	Thermo Fisher	49I	1030244816	10/14/2010	$ 7,192	Fair	SND152, 01-049-9991
EPA/AQAD	AL	Pollutant Monitor	In Service	Thermo Fisher	49I	1105347321	2/24/2011	$ 5,783	Fair	SND152, 01-049-9991
EPA/AQAD	AL	Shelter	In Service	Ekto	8810	2149-4	5/1/1990	$ 5,558	Poor	SND152, 01-049-9991
EPA/AQAD	AL	Tower	In Service	Aluma Tower	AT-516D-1	N/A	2/14/2005	$ 2,627	Fair	SND152, 01-049-9991
EPA/AQAD	TN	Ambient Temperature	In Service	RM Young	41342	4011	3/1/1999	$ 110	Poor	SPD111, 47-025-9991
EPA/AQAD	TN	Ambient Temperature	In Service	RM Young	41342VC	9641	2/23/2005	$ 342	Poor	SPD111, 47-025-9991
EPA/AQAD	TN	Data Logger	In Service	Campbell Scientific	CR3000	2522	3/14/2008	$ 3,026	Poor	SPD111, 47-025-9991
EPA/AQAD	TN	Pollutant Monitor	In Service	Thermo Fisher	49I	08200011	7/2/2008	$ 8,316	Poor	SPD111, 47-025-9991
EPA/AQAD	TN	Pollutant Monitor	In Service	Thermo Fisher	49I	1009241787	4/6/2010	$ 7,372	Fair	SPD111, 47-025-9991
EPA/AQAD	TN	Shelter	In Service	Ekto	8810	2149-24	9/1/1988	$ 5,679	Poor	SPD111, 47-025-9991
EPA/AQAD	TN	Tower	In Service	Aluma Tower	AT048	N/A	3/1/1989	$ 724	Fair	SPD111, 47-025-9991
EPA/AQAD	TN		In Service	ETI Instruments	NOAH IV	4079	4/22/2008	$ 6,691	Poor	SPD111, 47-025-9991
EPA/AQAD	TN		In Service	QuantAQ, Inc.	MODULAIR-PM	MOD-X-PM-01628	5/22/2025	$ 1,995	Good	SPD111, 47-025-9991
EPA/AQAD	IL	Ambient Temperature	In Service	RM Young	41342	14040	3/17/2008	$ 129	Poor	STK138, 17-085-9991
EPA/AQAD	IL	Data Logger	In Service	Campbell Scientific	CR3000	2128	9/6/2007	$ 3,020	Poor	STK138, 17-085-9991
EPA/AQAD	IL	Pollutant Monitor	In Service	Teledyne API	T200U	101	8/29/2012	$ 21,324	Fair	STK138, 17-085-9991
EPA/AQAD	IL	Pollutant Monitor	In Service	Thermo Fisher	49I	08200021	7/28/2008	$ 8,319	Poor	STK138, 17-085-9991
EPA/AQAD	IL	Pollutant Monitor	In Service	Thermo Fisher	49I	1009241797	4/6/2010	$ 7,376	Fair	STK138, 17-085-9991
EPA/AQAD	IL	Shelter	In Service	Ekto	8810	2149-21	9/1/1988	$ 5,679	Poor	STK138, 17-085-9991
EPA/AQAD	IL	Tower	In Service	Aluma Tower	900078	NA	5/11/2024	$ 7,111	Fair	STK138, 17-085-9991
EPA/AQAD	IL	Tower	In Service	Aluma Tower	900078	NA	5/11/2024	$ 7,112	Fair	STK138, 17-085-9991
EPA/AQAD	IL	Tower	In Service	Aluma Tower	AT048	N/A	9/1/1988	$ 694	Fair	STK138, 17-085-9991
EPA/AQAD	IL		In Service	QuantAQ, Inc.	MOD-015-NORAM	MOD-00513	10/26/2023	$ 4,500	Good	STK138, 17-085-9991
EPA/AQAD	FL	Ambient Temperature	In Service	RM Young	41342VC	9639	2/23/2005	$ 342	Poor	SUM156, 12-077-9991
EPA/AQAD	FL	Data Logger	In Service	Campbell Scientific	CR3000	2130	9/6/2007	$ 3,020	Poor	SUM156, 12-077-9991
EPA/AQAD	FL	Pollutant Monitor	In Service	Thermo Environmental	49I	0922236888	7/10/2009	$ 9,306	Poor	SUM156, 12-077-9991
EPA/AQAD	FL	Pollutant Monitor	In Service	Thermo Fisher	49I	1105347328	2/9/2011	$ 5,789	Fair	SUM156, 12-077-9991
EPA/AQAD	FL	Shelter	In Service	Ekto	8810	2149-11	2/1/1988	$ 5,638	Poor	SUM156, 12-077-9991
EPA/AQAD	FL	Tower	In Service	Aluma Tower	AT048	N/A	2/1/1988	$ 625	Fair	SUM156, 12-077-9991
EPA/AQAD	FL		In Service	ETI Instruments	NOAH IV	4083	4/22/2008	$ 6,011	Poor	SUM156, 12-077-9991
EPA/AQAD	FL		In Service	QuantAQ, Inc.	MODULAIR-PM	MOD-X-PM-01625	5/22/2025	$ 1,995	Good	SUM156, 12-077-9991
EPA/AQAD	WA	Ambient Temperature	In Service	RM Young	41342	31774	10/2/2019	$ 137	Fair	UMA009, 53-013-9991
EPA/AQAD	WA	Data Logger	In Service	Campbell Scientific, Inc.	CR6-NA-ST-SW-CC	13312	4/16/2020	$ 2,025	Fair	UMA009, 53-013-9991
EPA/AQAD	WA	Pollutant Monitor	In Service	Thermo Fisher	49I	0929938240	10/20/2009	$ 9,304	Poor	UMA009, 53-013-9991
EPA/AQAD	WA	Pollutant Monitor	In Service	Thermo Fisher	49I	1105347320	2/18/2011	$ 5,783	Fair	UMA009, 53-013-9991
EPA/AQAD	WA	Pollutant Monitor	In Service	Thermo Fisher	49I	1105347325	2/18/2011	$ 5,783	Fair	UMA009, 53-013-9991
EPA/AQAD	WA	Tower	In Service	Aluma Tower	900077	N/A	5/12/2020	$ 4,356	Fair	UMA009, 53-013-9991
EPA/AQAD	MI	Ambient Temperature	In Service	RM Young	41342	14624	8/6/2008	$ 136	Poor	UVL124, 26-157-9991
EPA/AQAD	MI	Data Logger	In Service	Campbell Scientific	CR3000	2126	9/6/2007	$ 3,020	Poor	UVL124, 26-157-9991
EPA/AQAD	MI	Pollutant Monitor	In Service	Thermo Environmental	49I	0622717858	7/19/2006	$ 8,551	Poor	UVL124, 26-157-9991
EPA/AQAD	MI	Pollutant Monitor	In Service	Thermo Fisher	49I	08200014	7/7/2008	$ 8,316	Poor	UVL124, 26-157-9991
EPA/AQAD	MI	Pollutant Monitor	In Service	Thermo Fisher	49I	1030244792	10/14/2010	$ 5,784	Fair	UVL124, 26-157-9991
EPA/AQAD	MI	Shelter	In Service	Ekto	8810	2140-2	8/1/1987	$ 5,708	Poor	UVL124, 26-157-9991
EPA/AQAD	MI	Tower	In Service	Aluma Tower	AT048	N/A	8/1/1987	$ 559	Fair	UVL124, 26-157-9991
EPA/AQAD	MI		In Service	ETI Instruments	NOAH IV	4129	2/3/2009	$ 5,816	Poor	UVL124, 26-157-9991
EPA/AQAD	IN	Ambient Temperature	In Service	RM Young	41342	6699	2/1/2002	$ 294	Poor	VIN140, 18-083-9991
EPA/AQAD	IN	Data Logger	In Service	Campbell Scientific	CR3000	2136	9/6/2007	$ 3,020	Poor	VIN140, 18-083-9991
EPA/AQAD	IN	Pollutant Monitor	In Service	Thermo Fisher	49I	0929938239	10/20/2009	$ 9,304	Poor	VIN140, 18-083-9991
EPA/AQAD	IN	Pollutant Monitor	In Service	Thermo Fisher	49I	1030244807	10/14/2010	$ 5,789	Fair	VIN140, 18-083-9991
EPA/AQAD	IN	Pollutant Monitor	In Service	Thermo Fisher	49I	1105347311	2/24/2011	$ 5,783	Fair	VIN140, 18-083-9991
EPA/AQAD	IN	Shelter	In Service	Ekto	8810	2116-1	5/1/1990	$ 5,000	Poor	VIN140, 18-083-9991
EPA/AQAD	IN	Tower	In Service	Aluma Tower	AT-516D-1	N/A	10/7/2003	$ 2,480	Fair	VIN140, 18-083-9991
EPA/AQAD	IN		In Service	QuantAQ, Inc.	MODULAIR-PM	MOD-X-PM-01647	5/22/2025	$ 1,995	Good	VIN140, 18-083-9991
EPA/AQAD	VA	Ambient Temperature	In Service	RM Young	41342	4037	3/1/1999	$ 110	Poor	VPI120, 51-071-9992

OWNER	STATE	ASSET TYPE	STATUS	MANUFACTURER	MODEL	SERIAL ID	ACQUIRED	PURCH PRICE	CONDITION	AGENCY ID
EPA/AQAD	VA	Data Logger	In Service	Campbell Scientific	CR3000	2514	3/14/2008	$ 3,026	Poor	VPI120, 51-071-9992
EPA/AQAD	VA	Pollutant Monitor	In Service	Thermo Fisher	49I	1009241783	4/6/2010	$ 7,372	Fair	VPI120, 51-071-9992
EPA/AQAD	VA	Pollutant Monitor	In Service	Thermo Fisher	49I	1030244818	10/14/2010	$ 7,192	Fair	VPI120, 51-071-9992
EPA/AQAD	VA	Shelter	In Service	Ekto	8810	2107-3	1/1/1987	$ 5,000	Poor	VPI120, 51-071-9992
EPA/AQAD	VA	Tower	In Service	Aluma Tower	AT-516D-1	N/A	8/5/2014	$ 1,325	Fair	VPI120, 51-071-9992
EPA/AQAD	VA		In Service	ETI Instruments	NOAH IV	4164	9/21/2009	$ 5,863	Poor	VPI120, 51-071-9992
EPA/AQAD	VA		In Service	QuantAQ, Inc.	MODULAIR-PM	MOD-X-PM-01624	5/22/2025	$ 1,995	Good	VPI120, 51-071-9992
EPA/AQAD	NJ	Ambient Temperature	In Service	RM Young	41342	13960	2/27/2008	$ 136	Poor	WSP144, 34-021-9991
EPA/AQAD	NJ	Data Logger	In Service	Campbell Scientific	CR3000	2525	3/14/2008	$ 3,026	Poor	WSP144, 34-021-9991
EPA/AQAD	NJ	Pollutant Monitor	In Service	Thermo Environmental	49I	0622717868	7/21/2006	$ 8,551	Poor	WSP144, 34-021-9991
EPA/AQAD	NJ	Pollutant Monitor	In Service	Thermo Fisher	49I	1105347310	2/24/2011	$ 5,783	Fair	WSP144, 34-021-9991
EPA/AQAD	NJ	Shelter	In Service	Ekto	8810	2116-12	11/1/1987	$ 5,258	Poor	WSP144, 34-021-9991
EPA/AQAD	NJ	Tower	In Service	Aluma Tower	AT-516D-1	N/A	10/1/2002	$ 1,394	Fair	WSP144, 34-021-9991
EPA/AQAD	NJ		In Service	QuantAQ, Inc.	MODULAIR-PM	MOD-X-PM-01617	5/22/2025	$ 1,995	Good	WSP144, 34-021-9991
EPA/AQAD	NH	Ambient Temperature	In Service	RM Young	41342	31772	10/2/2019	$ 137	Fair	WST109, 33-009-9991
EPA/AQAD	NH	Data Logger	In Service	Campbell Scientific	CR3000	2132	9/6/2007	$ 3,020	Poor	WST109, 33-009-9991
EPA/AQAD	NH	Pollutant Monitor	In Service	Thermo Fisher	49I	0726124691	9/20/2007	$ 8,318	Poor	WST109, 33-009-9991
EPA/AQAD	NH	Pollutant Monitor	In Service	Thermo Fisher	49I	1030244798	10/14/2010	$ 5,784	Fair	WST109, 33-009-9991
EPA/AQAD	NH	Shelter	In Service	Ekto	8810	2149-16	6/1/1988	$ 5,638	Poor	WST109, 33-009-9991
EPA/AQAD	NH	Tower	In Service	Aluma Tower	AT-516D-1	N/A	5/24/2011	$ 3,781	Fair	WST109, 33-009-9991
NPS	ME	Computer	In Service	HP Probook 430	Probook 430	5CD029HVY5	8/5/2024			ACA416, 23-009-0103
NPS	ME	Datalogger	In Service	ESC 8832	8832	A3506K				ACA416, 23-009-0103
NPS	ME	Gas Cylinders	In Service	Site Gas Cylinders	Gas Cylinders	ACAD-MH-CYL	1/1/2010			ACA416, 23-009-0103
NPS	ME	Infrastructure	In Service	Site Infrastructure	Infrastructure	ACAD-MH	1/1/2010			ACA416, 23-009-0103
NPS	ME	O3 Analyzer	In Service	Thermo 49C	49C	74531-376	5/20/2002			ACA416, 23-009-0103
NPS	ME	O3 Analyzer	In Service	Thermo 49C	49C	74536-376	5/20/2002			ACA416, 23-009-0103
NPS	ME	Shelter	In Service	Ekto 8818	8818	2920-1	9/29/1997			ACA416, 23-009-0103
NPS	TX	Ambient Temp/Relative Hum	In Service	Rotronic MP101A	MP101A	61854266	10/24/2023			BBE401, 48-043-0101
NPS	TX	Combination Met Sensor	In Service	Vaisala WXT536	WXT536	V4920649	9/4/2024			BBE401, 48-043-0101
NPS	TX	Datalogger	In Service	Campbell Scientific CR1000X	CR1000X	12388	9/4/2024			BBE401, 48-043-0101
NPS	TX	Datalogger	In Service	Campbell Scientific CR310	CR310	18924	9/4/2024			BBE401, 48-043-0101
NPS	TX	Gas Cylinders	In Service	Site Gas Cylinders	Gas Cylinders	BIBE-KB-CYL	1/1/2010			BBE401, 48-043-0101
NPS	TX	Infrastructure	In Service	Site Infrastructure	Infrastructure	BIBE-KB	1/1/2010			BBE401, 48-043-0101
NPS	TX	Mass Flow Controller - CASTN	In Service	Alicat Scientific MC-10SLPM-D-PCV65	MC-10SLPM-D-PCV65	134658	7/6/2016			BBE401, 48-043-0101
NPS	TX	Modem	In Service	Sierra Wireless GX450	GX450	LA70830109001005	9/4/2024			BBE401, 48-043-0101
NPS	TX	O3 Station Reference	In Service	Teledyne-API T703	T703	1158	12/18/2025			BBE401, 48-043-0101
NPS	TX	Tower	In Service	Aluma Tower AT-516	AT-516	EPA 923308				BBE401, 48-043-0101
NPS	TX	Tower	In Service	Aluma Tower Tower Aluma	Tower Aluma	(5235)				BBE401, 48-043-0101
NPS	TX	Tower	In Service	Tower Tower	Tower	(5236)				BBE401, 48-043-0101
NPS	TX	Zero-Air Supply	In Service	Werther PC70/4	PC70/4	855581	9/9/2024			BBE401, 48-043-0101
NPS	UT	Ambient Temp/Relative Hum	In Service	Rotronic MP101A	MP101A	75276	9/13/2001			CAN407, 49-037-0101
NPS	UT	Combination Met Sensor	In Service	Vaisala WXT536	WXT536	V4910293	3/25/2024			CAN407, 49-037-0101
NPS	UT	Computer	In Service	HP EliteBook 8460P	EliteBook 8460P	CNU1360668	8/2/2024			CAN407, 49-037-0101
NPS	UT	Datalogger	In Service	Campbell Scientific CR310	CR310	18945	7/17/2024			CAN407, 49-037-0101
NPS	UT	Infrastructure	In Service	Site Infrastructure	Infrastructure	CANY-IS	1/1/2010			CAN407, 49-037-0101
NPS	UT	Mass Flow Controller - CASTN	In Service	Tylan FC-280	FC-280	AW9403022				CAN407, 49-037-0101
NPS	UT	Mass Flow Controller - CASTN	In Service	Tylan RO-32	RO-32	FP9404002				CAN407, 49-037-0101
NPS	UT	Modem	In Service	Sierra Wireless GX450	GX450	LA50720447001003	10/19/2016			CAN407, 49-037-0101
NPS	UT	O3 Analyzer	In Service	Thermo 49I	49I	1030745086	10/11/2023			CAN407, 49-037-0101
NPS	UT	O3 Station Reference	In Service	Thermo 49I-SR	49I-SR	1030745084	10/20/2010			CAN407, 49-037-0101
NPS	UT	Precipitation	In Service	Climatronics 100508	100508	NPS 90870	10/24/2023			CAN407, 49-037-0101
NPS	UT	Relative Humidity	In Service	Rotronic MP601A	MP601A	56090	2/12/1999			CAN407, 49-037-0101
NPS	UT	Shelter	In Service	Morgan 081089HBCWC9	081089HBCWC9	R46453				CAN407, 49-037-0101
NPS	UT	Solar Radiation	In Service	Apogee CS300	CS300	62279	10/24/2023			CAN407, 49-037-0101
NPS	UT	Tower	In Service	Aluma Tower AT-516	AT-516	EPA 923305				CAN407, 49-037-0101

OWNER	STATE	ASSET TYPE	STATUS	MANUFACTURER	MODEL	SERIAL ID	ACQUIRED	PURCH PRICE	CONDITION	AGENCY ID
NPS	UT	Tower	In Service	Aluma Tower Tower Aluma	Tower Aluma	(5237)				CAN407, 49-037-0101
NPS	UT	Tower	In Service	Tower Tower	Tower	(5238)				CAN407, 49-037-0101
NPS	UT	Wind Monitor	In Service	RM Young 05305	05305	157077	10/24/2023			CAN407, 49-037-0101
NPS	UT	Wind Monitor	In Service	RM Young 05305	05305	50735	4/30/2002			CAN407, 49-037-0101
NPS	NM	Ambient Temp/Relative Hum	In Service	Rotronic MP101A	MP101A	36673	10/24/2023			CAV436, 35-015-0010
NPS	NM	Ambient Temperature	In Service	RM Young 41342VC	41342VC	32188	3/4/2021			CAV436, 35-015-0010
NPS	NM	Combination Met Sensor	In Service	Vaisala WXT536	WXT536	V5010145	7/17/2024			CAV436, 35-015-0010
NPS	NM	Computer	In Service	HP Probook 430	Probook 430	5CD01715D8	8/5/2024			CAV436, 35-015-0010
NPS	NM	Datalogger	In Service	Campbell Scientific CR310	CR310	18943	7/17/2024			CAV436, 35-015-0010
NPS	NM	Datalogger	In Service	ESC 8864	8864	C2602	1/1/2023			CAV436, 35-015-0010
NPS	NM	Gas Cylinders	In Service	Site Gas Cylinders	Gas Cylinders	CAVE-BB-CYL	1/1/2010			CAV436, 35-015-0010
NPS	NM	Infrastructure	In Service	Site Infrastructure	Infrastructure	CAVE-BB	1/1/2010			CAV436, 35-015-0010
NPS	NM	O3 Analyzer	In Service	Thermo 49I	49I	0733726103	3/13/2024			CAV436, 35-015-0010
NPS	NM	O3 Station Reference	In Service	Teledyne-API T703	T703	1148	12/18/2025			CAV436, 35-015-0010
NPS	NM	Precipitation	In Service	Texas Electronics TE525MM	TE525MM	34286-204				CAV436, 35-015-0010
NPS	NM	Precipitation	In Service	Texas Electronics TR-525M-10-H	TR-525M-10-H	83557-0620	10/24/2023			CAV436, 35-015-0010
NPS	NM	Relative Humidity	In Service	Rotronic MP601A	MP601A	67857	11/17/2022			CAV436, 35-015-0010
NPS	NM	Solar Radiation	In Service	Apogee CS301	CS301	68764	10/24/2023			CAV436, 35-015-0010
NPS	NM	Tower	In Service	Aluma Tower FOT-10-BW	FOT-10-BW	(4516)	4/8/2019			CAV436, 35-015-0010
NPS	NM	Wind Monitor	In Service	RM Young 05305	05305	167464	7/26/2023			CAV436, 35-015-0010
NPS	AZ	Ambient Temp/Relative Hum	In Service	Vaisala HMP45AC	HMP45AC	24430009	5/6/2024			CHA467, 04-003-8001
NPS	AZ	Combination Met Sensor	In Service	Vaisala WXT536	WXT536	V4930335	1/16/2024			CHA467, 04-003-8001
NPS	AZ	Computer	In Service	HP EliteBook 8460P	EliteBook 8460P	CNU13607M4	8/2/2024			CHA467, 04-003-8001
NPS	AZ	Datalogger	In Service	Campbell Scientific CR310	CR310	18926	1/17/2024			CHA467, 04-003-8001
NPS	AZ	Datalogger	In Service	ESC 8816	8816	2613	12/2/1998			CHA467, 04-003-8001
NPS	AZ	Gas Cylinders	In Service	Site Gas Cylinders	Gas Cylinders	CHIR-ES-CYL	1/1/2010			CHA467, 04-003-8001
NPS	AZ	Infrastructure	In Service	Site Infrastructure	Infrastructure	CHIR-ES	1/1/2010			CHA467, 04-003-8001
NPS	AZ	Mass Flow Controller - CASTN	In Service	Tylan FC-280	FC-280	AW9706014	6/23/1997			CHA467, 04-003-8001
NPS	AZ	Modem	In Service	Sierra Wireless GX450	GX450	LA54360370001003	1/26/2016			CHA467, 04-003-8001
NPS	AZ	O3 Analyzer	In Service	Thermo 49I	49I	CM08460007	3/13/2024			CHA467, 04-003-8001
NPS	AZ	O3 Station Reference	In Service	Thermo 49I-SR	49I-SR	CM08460051	12/18/2008			CHA467, 04-003-8001
NPS	AZ	Precipitation	In Service	Texas Electronics TR-525M	TR-525M	21258-598	10/25/2023			CHA467, 04-003-8001
NPS	AZ	Shelter	In Service	Ekto 8812	8812	2149-23				CHA467, 04-003-8001
NPS	AZ	Solar Radiation	In Service	LiCor LI-200	LI-200	PY3773	10/25/2023			CHA467, 04-003-8001
NPS	AZ	Tower	In Service	Aluma Tower AT-516	AT-516	EPA 880492X				CHA467, 04-003-8001
NPS	AZ	Tower	In Service	Aluma Tower Tower Aluma	Tower Aluma	EPA 03565				CHA467, 04-003-8001
NPS	AZ	Zero-Air Supply	In Service	Werther PC70/4E	PC70/4E	531392	9/21/2001			CHA467, 04-003-8001
NPS	NM	Ambient Temp/Relative Hum	In Service	Vaisala HMP45C	HMP45C	Z1050096				CHC432, 35-045-0020
NPS	NM	Computer	In Service	Panasonic CF-53	CF-53	5GTSA11578	8/5/2024			CHC432, 35-045-0020
NPS	NM	Datalogger	In Service	ESC 8832	8832	A4871K	10/16/2015			CHC432, 35-045-0020
NPS	NM	Gas Cylinders	In Service	Site Gas Cylinders	Gas Cylinders	CHCU-RR-CYL	1/1/2010			CHC432, 35-045-0020
NPS	NM	Gas Dilution Calibrator	In Service	Thermo 146I	146I	1152780009	11/4/2015			CHC432, 35-045-0020
NPS	NM	Infrastructure	In Service	Site Infrastructure	Infrastructure	CHCU-RR	1/1/2010			CHC432, 35-045-0020
NPS	NM	NOx Analyzer	In Service	Thermo 42I	42I	1152780008	11/4/2015			CHC432, 35-045-0020
NPS	NM	O3 Station Reference	In Service	Thermo 49I-SR	49I-SR	1105347215	5/9/2025			CHC432, 35-045-0020
NPS	NM	Shelter	In Service	Ekto 8812	8812	4599-1	10/27/2015			CHC432, 35-045-0020
NPS	NM	Solar Radiation	In Service	Apogee CS301	CS301	68422	1/17/2020			CHC432, 35-045-0020
NPS	ID	Combination Met Sensor	In Service	Vaisala WXT536	WXT536	V4910296	2/20/2024			CRM435, 16-023-0101
NPS	ID	Computer	In Service	HP PROBOOK 640	PROBOOK 640	5CG5340VRK	8/2/2024			CRM435, 16-023-0101
NPS	ID	Datalogger	In Service	Campbell Scientific CR310	CR310	18927	7/17/2024			CRM435, 16-023-0101
NPS	ID	Datalogger	In Service	ESC 8816	8816	2559	2/16/1999			CRM435, 16-023-0101
NPS	ID	Gas Cylinders	In Service	Site Gas Cylinders	Gas Cylinders	CRMO-VC-CYL	1/1/2010			CRM435, 16-023-0101
NPS	ID	Infrastructure	In Service	Site Infrastructure	Infrastructure	CRMO-VC	1/1/2010			CRM435, 16-023-0101
NPS	ID	Modem	In Service	Sierra Wireless GX450	GX450	LA708606250001005	3/29/2017			CRM435, 16-023-0101
NPS	ID	O3 Analyzer	In Service	Thermo 49I	49I	1201477662	3/13/2024			CRM435, 16-023-0101

OWNER	STATE	ASSET TYPE	STATUS	MANUFACTURER	MODEL	SERIAL ID	ACQUIRED	PURCH PRICE	CONDITION	AGENCY ID
NPS	ID	O3 Station Reference	In Service	Thermo 49C-SR	49C-SR	62025-333	9/4/1998			CRM435, 16-023-0101
NPS	ID	Solar Radiation	In Service	Apogee CS301	CS301	64247	4/28/2019			CRM435, 16-023-0101
NPS	ID	Tower	In Service	Aluma Tower FOT-10-BW	FOT-10-BW	(4517)	4/8/2019			CRM435, 16-023-0101
NPS	AK	Ambient Temperature	In Service	RM Young 41342VC	41342VC	18533	7/8/2016			DEN417, 02-068-0003
NPS	AK	Computer	In Service	HP Probook 430	Probook 430	5CD029HVYL	8/5/2024			DEN417, 02-068-0003
NPS	AK	Datalogger	In Service	Campbell Scientific CR1000X	CR1000X	32017	9/21/2024			DEN417, 02-068-0003
NPS	AK	Datalogger	In Service	Campbell Scientific CR310	CR310	18925	7/17/2024			DEN417, 02-068-0003
NPS	AK	Infrastructure	In Service	Site Infrastructure	Infrastructure	DENA-HQ	1/1/2010			DEN417, 02-068-0003
NPS	AK	O3 Station Reference	In Service	Teledyne-API T703	T703	1149	7/15/2025			DEN417, 02-068-0003
NPS	AK	Precipitation	In Service	Texas Electronics TR-525M	TR-525M	71387-1116	11/3/2023			DEN417, 02-068-0003
NPS	AK	Shelter	In Service	Ekto 8814	8814	2980-1	7/28/1997			DEN417, 02-068-0003
NPS	AK	Solar Radiation	In Service	LiCor LI-200SZ	LI-200SZ	PY48447				DEN417, 02-068-0003
NPS	AK	Tower	In Service	Aluma Tower AT-516	AT-516	(4269)				DEN417, 02-068-0003
NPS	AK	Tower	In Service	Aluma Tower Tower Aluma	Tower Aluma	(5239)				DEN417, 02-068-0003
NPS	AK	Tower	In Service	Tower Tower	Tower	(5240)				DEN417, 02-068-0003
NPS	CA	Combination Met Sensor	In Service	Vaisala WXT536	WXT536	V4920366	3/27/2024			DEV412, 06-027-0101
NPS	CA	Computer	In Service	Panasonic CF-53	CF-53	6JTSA86554	8/5/2024			DEV412, 06-027-0101
NPS	CA	Datalogger	In Service	Campbell Scientific CR1000X	CR1000X	SN: 62920	10/16/2024			DEV412, 06-027-0101
NPS	CA	O3 Station Reference	In Service	Teledyne-API T703	T703	1154	10/6/2025			DEV412, 06-027-0101
NPS	CA	Tower	In Service	Aluma Tower FOT-10-BW	FOT-10-BW	(4518)	4/8/2019			DEV412, 06-027-0101
NPS	UT	Ambient Temperature	In Service	RM Young 41342	41342	4273				DIN431, 49-047-1002
NPS	UT	Combination Met Sensor	In Service	Vaisala WXT536	WXT536	V4920651	3/28/2024			DIN431, 49-047-1002
NPS	UT	Computer	In Service	Panasonic CF-53	CF-53	7CTSA99917	8/5/2024			DIN431, 49-047-1002
NPS	UT	Datalogger	In Service	Campbell Scientific CR310	CR310	18938	7/17/2024			DIN431, 49-047-1002
NPS	UT	Datalogger	In Service	ESC 8864	8864	C2603	4/9/2020			DIN431, 49-047-1002
NPS	UT	Gas Cylinders	In Service	Site Gas Cylinders	Gas Cylinders	DINO-WE-CYL	1/1/2010			DIN431, 49-047-1002
NPS	UT	Infrastructure	In Service	Site Infrastructure	Infrastructure	DINO-WE	1/1/2010			DIN431, 49-047-1002
NPS	UT	Mass Flow Controller - CASTN	In Service	Tylan FC-280	FC-280	AW902153	11/3/2023			DIN431, 49-047-1002
NPS	UT	Modem	In Service	Sierra Wireless GX450	GX450	LA54720483001003	1/26/2016			DIN431, 49-047-1002
NPS	UT	O3 Analyzer	In Service	Thermo 49I	49I	1023943903	3/13/2024			DIN431, 49-047-1002
NPS	UT	O3 Station Reference	In Service	Thermo 49I-SR	49I-SR	CM08460050	12/18/2008			DIN431, 49-047-1002
NPS	UT	Precipitation	In Service	Texas Electronics TR-525M	TR-525M	45483-910	10/6/2010			DIN431, 49-047-1002
NPS	UT	Solar Radiation	In Service	Apogee CS301	CS301	67633	11/3/2023			DIN431, 49-047-1002
NPS	UT	Tower	In Service	Aluma Tower Tower Aluma	Tower Aluma	(5203)	10/7/2013			DIN431, 49-047-1002
NPS	UT	Tower	In Service	Tower Tower	Tower	(5204)	10/7/2013			DIN431, 49-047-1002
NPS	FL	Datalogger	In Service	ESC 8816	8816	2527	1/14/1999			EVE419, --
NPS	FL	Infrastructure	In Service	Site Infrastructure	Infrastructure	EVER-BC	1/1/2010			EVE419, --
NPS	FL	Mass Flow Controller - CASTN	In Service	Alicat Scientific MC-10SLPM-D-PCV65	MC-10SLPM-D-PCV65	260132	3/11/2025			EVE419, --
NPS	FL	Shelter	In Service	Aluma Tower 8' X 8'	8' X 8'	903866	3/10/2025			EVE419, --
NPS	FL	Tower	In Service	Aluma Tower AT-516	AT-516	(4270)				EVE419, --
NPS	MT	Ambient Temperature	In Service	RM Young 41342VC	41342VC	TS00017625	3/12/2010			GLR468, 30-029-8001
NPS	MT	Combination Met Sensor	In Service	Vaisala WXT536	WXT536	V5020686	2/20/2024			GLR468, 30-029-8001
NPS	MT	Computer	In Service	Panasonic CF-53	CF-53	7CTSA99843	8/5/2024			GLR468, 30-029-8001
NPS	MT	Datalogger	In Service	Campbell Scientific CR310	CR310	18931	7/17/2024			GLR468, 30-029-8001
NPS	MT	Datalogger	In Service	ESC 8864	8864	C2600	3/6/2026			GLR468, 30-029-8001
NPS	MT	Gas Cylinders	In Service	Site Gas Cylinders	Gas Cylinders	GLAC-WG-CYL	1/1/2010			GLR468, 30-029-8001
NPS	MT	Infrastructure	In Service	Site Infrastructure	Infrastructure	GLAC-WG	1/1/2010			GLR468, 30-029-8001
NPS	MT	Mass Flow Controller - CASTN	In Service	Tylan FC-280	FC-280	AW9403018	11/3/2023			GLR468, 30-029-8001
NPS	MT	O3 Analyzer	In Service	Thermo 49I	49I	1201477661	3/13/2024			GLR468, 30-029-8001
NPS	MT	O3 Station Reference	In Service	Teledyne-API T703	T703	1198	3/6/2026			GLR468, 30-029-8001
NPS	MT	Shelter	In Service	Ekto 8810	8810	2149-20				GLR468, 30-029-8001
NPS	MT	Solar Radiation	In Service	LiCor LI-200	LI-200	82723	11/3/2023			GLR468, 30-029-8001
NPS	MT	Tower	In Service	Aluma Tower AT-516	AT-516	EPA 03573				GLR468, 30-029-8001
NPS	MT	Tower	In Service	Aluma Tower Tower Aluma	Tower Aluma	EPA 03574				GLR468, 30-029-8001
NPS	MT	Wind Monitor	In Service	RM Young 05305	05305	WM00165135	11/3/2023			GLR468, 30-029-8001

Appendix L. CASTNET Asset Management Table

OWNER	STATE	ASSET TYPE	STATUS	MANUFACTURER	MODEL	SERIAL ID	ACQUIRED	PURCH PRICE	CONDITION	AGENCY ID
NPS	MT	Zero-Air Supply	In Service	Werther PC70/4E	PC70/4E	1011-16490	1/15/2013			GLR468, 30-029-8001
NPS	NV	Combination Met Sensor	In Service	Vaisala WXT536	WXT536	V4910295	7/17/2024			GRB411, 32-033-0101
NPS	NV	Computer	In Service	HP EliteBook 8460P	EliteBook 8460P	CNU136077P	8/2/2024			GRB411, 32-033-0101
NPS	NV	Computer	In Service	Panasonic CF-53	CF-53	SN: 6GTSA73747	9/18/2024			GRB411, 32-033-0101
NPS	NV	Datalogger	In Service	Campbell Scientific CR1000	CR1000	62925	1/1/2025			GRB411, 32-033-0101
NPS	NV	Datalogger	In Service	Campbell Scientific CR1000X	CR1000X	SN: 62925	1/1/2025			GRB411, 32-033-0101
NPS	NV	Datalogger	In Service	Campbell Scientific CR310	CR310	18897	7/17/2024			GRB411, 32-033-0101
NPS	NV	Gas Cylinders	In Service	Site Gas Cylinders	Gas Cylinders	GRBA-MY-CYL	1/1/2010			GRB411, 32-033-0101
NPS	NV	Infrastructure	In Service	Site Infrastructure	Infrastructure	GRBA-MY	1/1/2010			GRB411, 32-033-0101
NPS	NV	Mass Flow Controller - CASTN	In Service	Alicat Scientific MC-10SLPM-D-PCV65	MC-10SLPM-D-PCV65	260130	9/15/2025			GRB411, 32-033-0101
NPS	NV	Modem	In Service	Sierra Wireless GX450	GX450	LA54620104001003	1/26/2016			GRB411, 32-033-0101
NPS	NV	O3 Station Reference	In Service	Teledyne-API T703	T703	1151	10/7/2025			GRB411, 32-033-0101
NPS	NV	Precipitation	In Service	Texas Electronics TR-525M	TR-525M	45484-910	10/6/2010			GRB411, 32-033-0101
NPS	NV	Shelter	In Service	Ekto 8810	8810	2652-1	5/28/1993			GRB411, 32-033-0101
NPS	NV	Tower	In Service	Aluma Tower AT-516	AT-516	EPA 928346				GRB411, 32-033-0101
NPS	NV	Tower	In Service	Glen Martin MF1331	MF1331	NPS 01358				GRB411, 32-033-0101
NPS	AZ	Combination Met Sensor	In Service	Vaisala WXT536	WXT536	V4920652	3/26/2024			GRC474, 04-005-8001
NPS	AZ	Computer	In Service	Panasonic CF-53	CF-53	7CTSA99885	8/5/2024			GRC474, 04-005-8001
NPS	AZ	Datalogger	In Service	Campbell Scientific CR1000X	CR1000X	SN: 62923	10/14/2025			GRC474, 04-005-8001
NPS	AZ	Datalogger	In Service	Campbell Scientific CR310	CR310	18949	7/17/2024			GRC474, 04-005-8001
NPS	AZ	Mass Flow Controller - CASTN	In Service	Tylan FC-280	FC-280	AW9805027				GRC474, 04-005-8001
NPS	AZ	Modem	In Service	Sierra Wireless GX450	GX450	LA54620247001003	1/26/2016			GRC474, 04-005-8001
NPS	AZ	O3 Analyzer	In Service	Thermo 49I	49I	1023953902	3/13/2024			GRC474, 04-005-8001
NPS	AZ	O3 Station Reference	In Service	Teledyne-API T703	T703	1150	10/7/2025			GRC474, 04-005-8001
NPS	AZ	Shelter	In Service	Ekto 8810	8810	2149-25				GRC474, 04-005-8001
NPS	AZ	Tower	In Service	Aluma Tower Tower Aluma	Tower Aluma	AT-215178-BB-1	1/29/2016			GRC474, 04-005-8001
NPS	AZ	Zero-Air Supply	In Service	Werther PC70/4E	PC70/4E	531380	9/21/2001			GRC474, 04-005-8001
NPS	TN	Ambient Temp/Relative Hum	In Service	Vaisala HMP45C	HMP45C	C1210008	11/27/2023			GRS420, 47-009-0101
NPS	TN	Ambient Temperature	In Service	RM Young 41342VC	41342VC	032955	11/27/2023			GRS420, 47-009-0101
NPS	TN	Combination Met Sensor	In Service	Vaisala WXT536	WXT536	V5010146	7/17/2024			GRS420, 47-009-0101
NPS	TN	Datalogger	In Service	Campbell Scientific CR1000X	CR1000X	SN: 62969	10/29/2025			GRS420, 47-009-0101
NPS	TN	Datalogger	In Service	Campbell Scientific CR310	CR310	18942	7/17/2024			GRS420, 47-009-0101
NPS	TN	Gas Cylinders	In Service	Site Gas Cylinders	Gas Cylinders	GRSM-LR-CYL	1/1/2010			GRS420, 47-009-0101
NPS	TN	Infrastructure	In Service	Site Infrastructure	Infrastructure	GRSM-LR	1/1/2010			GRS420, 47-009-0101
NPS	TN	Mass Flow Controller - CASTN	In Service	Tylan RO-32	RO-32	FP9510004	10/29/2024			GRS420, 47-009-0101
NPS	TN	O3 Analyzer	In Service	Thermo 49I	49I	1201557777	7/19/2022			GRS420, 47-009-0101
NPS	TN	O3 Station Reference	In Service	Teledyne-API T703	T703	1160	10/29/2025			GRS420, 47-009-0101
NPS	TN	PM10 & PM2.5	In Service	Met One BAM-1020	BAM-1020	P21970	10/31/2025			GRS420, 47-009-0101
NPS	TN	Precipitation	In Service	Climatronics 100508	100508	(3960)				GRS420, 47-009-0101
NPS	TN	Precipitation	In Service	Climatronics 100508	100508	EPA 02179	11/27/2023			GRS420, 47-009-0101
NPS	TN	Shelter	In Service	Ekto 8812	8812	2961-1				GRS420, 47-009-0101
NPS	TN	Solar Radiation	In Service	Apogee CS301	CS301	68417	10/29/2024			GRS420, 47-009-0101
NPS	TN	Solar Radiation	In Service	LiCor LI-200SZ	LI-200SZ	(4673)				GRS420, 47-009-0101
NPS	TN	Tower	In Service	Aluma Tower AT-516	AT-516	NPS 90945				GRS420, 47-009-0101
NPS	TN	Tower	In Service	Aluma Tower Tower Aluma	Tower Aluma	NPS 90944				GRS420, 47-009-0101
NPS	TN	Zero-Air Supply	In Service	Werther PC70/4E	PC70/4E	531385	10/29/2024			GRS420, 47-009-0101
NPS	WY	Combination Met Sensor	In Service	Vaisala WXT536	WXT536	V4970231	7/17/2024			GRT434, 56-039-0008
NPS	WY	Computer	In Service	HP PROBOOK 6560B	PROBOOK 6560B	5CB22906V2	8/2/2024			GRT434, 56-039-0008
NPS	WY	Datalogger	In Service	Campbell Scientific CR310	CR310	18936	6/11/2024			GRT434, 56-039-0008
NPS	WY	Datalogger	In Service	ESC 8832	8832	A3743K				GRT434, 56-039-0008
NPS	WY	Infrastructure	In Service	Site Infrastructure	Infrastructure	GRTE-SS	1/1/2010			GRT434, 56-039-0008
NPS	WY	O3 Analyzer	In Service	Thermo 49I	49I	CM08460006	10/8/2024			GRT434, 56-039-0008
NPS	WY	O3 Station Reference	In Service	Thermo 49I-SR	49I-SR	1023943899	8/23/2010			GRT434, 56-039-0008
NPS	WY	Shelter	In Service	Shelter One TYPE E	TYPE E	20036-02	12/8/2010			GRT434, 56-039-0008
NPS	WY	Zero-Air Supply	In Service	Werther PC70/4E	PC70/4E	585590	6/11/2024			GRT434, 56-039-0008

OWNER	STATE	ASSET TYPE	STATUS	MANUFACTURER	MODEL	SERIAL ID	ACQUIRED	PURCH PRICE	CONDITION	AGENCY ID
NPS	CA	Combination Met Sensor	In Service	Vaisala WXT536	WXT536	V4910297	4/4/2025			JOT403, 06-071-9002
NPS	CA	Computer	In Service	HP Probook 430	Probook 430	5CD101FXQP	8/5/2024			JOT403, 06-071-9002
NPS	CA	Datalogger	In Service	Campbell Scientific CR1000X	CR1000X	12393	4/4/2025			JOT403, 06-071-9002
NPS	CA	Gas Cylinders	In Service	Site Gas Cylinders	Gas Cylinders	JOTR-BR-CYL	1/1/2010			JOT403, 06-071-9002
NPS	CA	Infrastructure	In Service	Site Infrastructure	Infrastructure	JOTR-BR	1/1/2010			JOT403, 06-071-9002
NPS	CA	Mass Flow Controller - CASTN	In Service	Tylan FC-280	FC-280	AW9403016				JOT403, 06-071-9002
NPS	CA	Mass Flow Controller - CASTN	In Service	Tylan RO-32	RO-32	608102A				JOT403, 06-071-9002
NPS	CA	O3 Analyzer	In Service	Thermo 49I	49I	1160770010	11/21/2023			JOT403, 06-071-9002
NPS	CA	O3 Station Reference	In Service	Thermo 49I-SR	49I-SR	1130450194	1/6/2012			JOT403, 06-071-9002
NPS	CA	Precipitation	In Service	Texas Electronics TR-525M-HT	TR-525M-HT	NPS01498	11/21/2023			JOT403, 06-071-9002
NPS	CA	Shelter	In Service	Paradise Sheds Shelter Paradise Sheds	Shelter Paradise Sheds	(5309)	11/1/1990			JOT403, 06-071-9002
NPS	CA	Shelter	In Service	Shelter One TYPE E	TYPE E	28036-02	10/16/2008			JOT403, 06-071-9002
NPS	CA	Tower	In Service	Aluma Tower AT-516	AT-516	EPA 923310				JOT403, 06-071-9002
NPS	CA	Tower	In Service	Aluma Tower Tower Aluma	Tower Aluma	(5247)				JOT403, 06-071-9002
NPS	CA	Tower	In Service	Tower Tower	Tower	(5248)				JOT403, 06-071-9002
NPS	CA	Combination Met Sensor	In Service	Vaisala WXT536	WXT536	V4930334	7/9/2024			LAV410, 06-089-3003
NPS	CA	Computer	In Service	HP PROBOOK 440	PROBOOK 440	5CD8296JDY	11/5/2018			LAV410, 06-089-3003
NPS	CA	Datalogger	In Service	Campbell Scientific CR1000X	CR1000X	SN: 62968	12/2/2025			LAV410, 06-089-3003
NPS	CA	Datalogger	In Service	Campbell Scientific CR310	CR310	18941	7/9/2024			LAV410, 06-089-3003
NPS	CA	Infrastructure	In Service	Site Infrastructure	Infrastructure	LAVO-ML	1/1/2010			LAV410, 06-089-3003
NPS	CA	Mass Flow Controller - CASTN	In Service	Tylan FC-280	FC-280	AW02213004	11/20/2023			LAV410, 06-089-3003
NPS	CA	O3 Analyzer	In Service	Teledyne-API T400	T400	7462	7/10/2024			LAV410, 06-089-3003
NPS	CA	O3 Station Reference	In Service	Teledyne-API T703	T703	1155	12/9/2025			LAV410, 06-089-3003
NPS	CA	Solar Radiation	In Service	Apogee CS301	CS301	64517	4/28/2019			LAV410, 06-089-3003
NPS	CA	Tower	In Service	Aluma Tower AT-516	AT-516	EPA 923314				LAV410, 06-089-3003
NPS	CA	Tower	In Service	Aluma Tower Tower Aluma	Tower Aluma	(5251)				LAV410, 06-089-3003
NPS	CA	Tower	In Service	Tower Tower	Tower	(5252)				LAV410, 06-089-3003
NPS	CA	Zero-Air Supply	In Service	Werther PC70/4E	PC70/4E	526292				LAV410, 06-089-3003
NPS	KY	Ambient Temp/Relative Hum	In Service	Rotronic HC2-S3	HC2-S3	67855 (5521)	11/20/2023			MAC426, 21-061-0501
NPS	KY	Ambient Temperature	In Service	RM Young 41342VC	41342VC	TS00015104	12/4/2008			MAC426, 21-061-0501
NPS	KY	Barometric Pressure	In Service	RM Young 61202V	61202V	BP06203				MAC426, 21-061-0501
NPS	KY	Combination Met Sensor	In Service	Vaisala WXT536	WXT536	V4930333	7/17/2024			MAC426, 21-061-0501
NPS	KY	Computer	In Service	HP PROBOOK 6560B	PROBOOK 6560B	5CB1520H70	8/5/2024			MAC426, 21-061-0501
NPS	KY	Datalogger	In Service	Campbell Scientific CR1000X	CR1000X	SN: 62963	1/21/2026			MAC426, 21-061-0501
NPS	KY	Datalogger	In Service	Campbell Scientific CR310	CR310	18948	7/17/2024			MAC426, 21-061-0501
NPS	KY	Infrastructure	In Service	Site Infrastructure	Infrastructure	MACA-HM	1/1/2010			MAC426, 21-061-0501
NPS	KY	Mass Flow Controller - CASTN	In Service	Tylan FC-280	FC-280	(4468)				MAC426, 21-061-0501
NPS	KY	O3 Station Reference	In Service	Teledyne-API T703	T703	1199	1/21/2026			MAC426, 21-061-0501
NPS	KY	Precipitation	In Service	Climatronics 100508	100508	NPS 02532	11/13/2023			MAC426, 21-061-0501
NPS	KY	Shelter	In Service	Consolidated Analytical Systerms 9001	9001-14-8	CUSTOM	10/13/2016			MAC426, 21-061-0501
NPS	KY	Solar Radiation	In Service	Apogee CS301	CS301	328530	11/13/2023			MAC426, 21-061-0501
NPS	KY	Tower	In Service	Aluma Tower AT-516	AT-516	(4272)				MAC426, 21-061-0501
NPS	KY	Tower	In Service	Aluma Tower Tower Aluma	Tower Aluma	(5253)				MAC426, 21-061-0501
NPS	KY	Tower	In Service	Tower Tower	Tower	(5254)				MAC426, 21-061-0501
NPS	KY	Zero-Air Supply	In Service	Werther PC70/4E	PC70/4E	091700441	10/20/2017			MAC426, 21-061-0501
NPS	CO	Ambient Temp/Relative Hum	In Service	Rotronic MP101A	MP101A	61854274	11/13/2023			MEV405, 08-083-0101
NPS	CO	Ambient Temperature	In Service	RM Young 41342VC	41342VC	TS00015106	12/4/2008			MEV405, 08-083-0101
NPS	CO	Combination Met Sensor	In Service	Vaisala WXT536	WXT536	V4930336	7/1/2024			MEV405, 08-083-0101
NPS	CO	Datalogger	In Service	Campbell Scientific CR310	CR310	18919	7/17/2024			MEV405, 08-083-0101
NPS	CO	Datalogger	In Service	ESC 8864	8864	C2597	1/10/2020			MEV405, 08-083-0101
NPS	CO	Infrastructure	In Service	Site Infrastructure	Infrastructure	MEVE-RM	1/1/2010			MEV405, 08-083-0101
NPS	CO	Mass Flow Controller - CASTN	In Service	Tylan FC-280	FC-280	AW9403013				MEV405, 08-083-0101
NPS	CO	O3 Analyzer	In Service	Thermo 49I	49I	1201477664	11/13/2023			MEV405, 08-083-0101
NPS	CO	O3 Station Reference	In Service	Teledyne-API T703	T703	1196	3/31/2026			MEV405, 08-083-0101
NPS	CO	Solar Radiation	In Service	Apogee CS301	CS301	67630	11/13/2023			MEV405, 08-083-0101

OWNER	STATE	ASSET TYPE	STATUS	MANUFACTURER	MODEL	SERIAL ID	ACQUIRED	PURCH PRICE	CONDITION	AGENCY ID
NPS	CO	Tower	In Service	Aluma Tower AT-516	AT-516	EPA 923301				MEV405, 08-083-0101
NPS	CO	Tower	In Service	Aluma Tower Tower Aluma	Tower Aluma	(5255)				MEV405, 08-083-0101
NPS	CO	Tower	In Service	Tower Tower	Tower	(5256)				MEV405, 08-083-0101
NPS	AZ	Ambient Temperature	In Service	RM Young 41342VC	41342VC	029201	1/29/2020			PET427, 04-017-0119
NPS	AZ	Computer	In Service	HP PROBOOK 6560B	PROBOOK 6560B	5CB22906TB	8/29/2012			PET427, 04-017-0119
NPS	AZ	Datalogger	In Service	ESC 8816	8816	2526	1/14/1999			PET427, 04-017-0119
NPS	AZ	Gas Cylinders	In Service	Site Gas Cylinders	Gas Cylinders	PEFO-SE-CYL	1/1/2010			PET427, 04-017-0119
NPS	AZ	Infrastructure	In Service	Site Infrastructure	Infrastructure	PEFO-SE	1/1/2010			PET427, 04-017-0119
NPS	AZ	Mass Flow Controller - CASTN	In Service	Tylan FC-280	FC-280	AW9403023				PET427, 04-017-0119
NPS	AZ	O3 Station Reference	In Service	Thermo 49I-SR	49I-SR	1211052489	3/13/2024			PET427, 04-017-0119
NPS	AZ	Shelter	In Service	Ekto 8814	8814	3379-2				PET427, 04-017-0119
NPS	AZ	Solar Radiation	In Service	LiCor Pyranometer	Pyranometer	PY46776	11/13/2023			PET427, 04-017-0119
NPS	AZ	Tower	In Service	Aluma Tower AT-516	AT-516	(4275)				PET427, 04-017-0119
NPS	AZ	Tower	In Service	Aluma Tower Tower Aluma	Tower Aluma	(5261)				PET427, 04-017-0119
NPS	AZ	Tower	In Service	Tower Tower	Tower	(5262)				PET427, 04-017-0119
NPS	AZ	Wind Monitor	In Service	RM Young 05305	05305	19676	11/8/2023			PET427, 04-017-0119
NPS	AZ	Zero-Air Supply	In Service	Werther PC70/4	PC70/4	531382				PET427, 04-017-0119
NPS	CA	Combination Met Sensor	In Service	Vaisala WXT530	WXT530	X4747646	3/31/2026			PIN414, 06-069-0003
NPS	CA	Computer	In Service	Panasonic CF-53	CF-53	4LTSA81631	8/6/2024			PIN414, 06-069-0003
NPS	CA	Datalogger	In Service	ESC 8864	8864	C2599	1/10/2020			PIN414, 06-069-0003
NPS	CA	Gas Cylinders	In Service	Site Gas Cylinders	Gas Cylinders	PINN-ES-CYL	1/1/2010			PIN414, 06-069-0003
NPS	CA	Infrastructure	In Service	Site Infrastructure	Infrastructure	PINN-ES	1/1/2010			PIN414, 06-069-0003
NPS	CA	Mass Flow Controller - CASTN	In Service	Alicat Scientific MC-10SLPM-D-PCV65	MC-10SLPM-D-PCV65	134656	7/6/2016			PIN414, 06-069-0003
NPS	CA	O3 Analyzer	In Service	Thermo 49I	49I	0903334536	6/5/2025			PIN414, 06-069-0003
NPS	CA	O3 Station Reference	In Service	Teledyne-API T703	T703	1157	12/9/2025			PIN414, 06-069-0003
NPS	CA	Shelter	In Service	Paradise Sheds Shelter Paradise Sheds	Shelter Paradise Sheds	(5311)	6/18/1990			PIN414, 06-069-0003
NPS	CA	Tower	In Service	Aluma Tower AT-516	AT-516	EPA 928348				PIN414, 06-069-0003
NPS	CA	Tower	In Service	Aluma Tower Tower Aluma	Tower Aluma	(5263)				PIN414, 06-069-0003
NPS	CA	Tower	In Service	Tower Tower	Tower	(5264)				PIN414, 06-069-0003
NPS	CO	Ambient Temperature	In Service	RM Young 41342VC	41342VC	TS00017079	11/6/2009			ROM406, 08-069-0007
NPS	CO	Combination Met Sensor	In Service	Vaisala WXT536	WXT536	V4910294	7/17/2024			ROM406, 08-069-0007
NPS	CO	Computer	In Service	HP Probook 450	Probook 450	5CD145NKNN	8/2/2024			ROM406, 08-069-0007
NPS	CO	Datalogger	In Service	Campbell Scientific CR1000X	CR1000X	SN: 62919	10/22/2025			ROM406, 08-069-0007
NPS	CO	Datalogger	In Service	Campbell Scientific CR310	CR310	18944	7/17/2024			ROM406, 08-069-0007
NPS	CO	Gas Cylinders	In Service	Site Gas Cylinders	Gas Cylinders	ROMO-LP-CYL	1/1/2010			ROM406, 08-069-0007
NPS	CO	Infrastructure	In Service	Site Infrastructure	Infrastructure	ROMO-LP	1/1/2010			ROM406, 08-069-0007
NPS	CO	Mass Flow Controller - CASTN	In Service	Alicat Scientific MC-5SLPM-D	MC-5SLPM-D	218347	11/8/2023			ROM406, 08-069-0007
NPS	CO	Mass Flow Controller - CASTN	In Service	Tylan FC-280	FC-280	AW9403024				ROM406, 08-069-0007
NPS	CO	Mass Flow Controller - CASTN	In Service	Tylan RO-32	RO-32	FP9403032				ROM406, 08-069-0007
NPS	CO	O3 Analyzer	In Service	Thermo 49I	49I	1201477663	6/19/2025			ROM406, 08-069-0007
NPS	CO	O3 Station Reference	In Service	Teledyne-API T703	T703	1162	10/22/2025			ROM406, 08-069-0007
NPS	CO	Precipitation	In Service	Climatronics 100508	100508	NPS80918	11/8/2023			ROM406, 08-069-0007
NPS	CO	Relative Humidity	In Service	Rotronic MP601	MP601	52067 (5497)	11/8/2023			ROM406, 08-069-0007
NPS	CO	Shelter	In Service	Ekto 8814	8814	3062-1	10/7/1998			ROM406, 08-069-0007
NPS	CO	Solar Radiation	In Service	Apogee CS301	CS301	64346	6/25/2019			ROM406, 08-069-0007
NPS	CO	Tower	In Service	Aluma Tower AT-516	AT-516	EPA 923302				ROM406, 08-069-0007
NPS	CO	Tower	In Service	Aluma Tower Tower Aluma	Tower Aluma	(5267)				ROM406, 08-069-0007
NPS	CO	Tower	In Service	Tower Tower	Tower	(5268)				ROM406, 08-069-0007
NPS	CO	Wind Monitor	In Service	RM Young 05305	05305	68464	11/8/2023			ROM406, 08-069-0007
NPS	CO	Wind Monitor	In Service	RM Young 05305	05305	WM00165132	11/13/2018			ROM406, 08-069-0007
NPS	CA	Combination Met Sensor	In Service	Vaisala WXT536	WXT536	V4970229	7/21/2024			SEK430, 06-107-0009
NPS	CA	Computer	In Service	HP PROBOOK 440	PROBOOK 440	5CD83930X9	11/5/2018			SEK430, 06-107-0009
NPS	CA	Datalogger	In Service	Campbell Scientific CR1000X	CR1000X	SN: 62965	12/8/2025			SEK430, 06-107-0009
NPS	CA	Datalogger	In Service	Campbell Scientific CR310	CR310	18939	5/21/2024			SEK430, 06-107-0009
NPS	CA	Infrastructure	In Service	Site Infrastructure	Infrastructure	SEKI-AS	1/1/2010			SEK430, 06-107-0009

OWNER	STATE	ASSET TYPE	STATUS	MANUFACTURER	MODEL	SERIAL ID	ACQUIRED	PURCH PRICE	CONDITION	AGENCY ID
NPS	CA	Mass Flow Controller - CASTN	In Service	Tylan FC-280	FC-280	AW9403014				SEK430, 06-107-0009
NPS	CA	O3 Analyzer	In Service	Thermo 49I	49I	1152780007	12/2/2025			SEK430, 06-107-0009
NPS	CA	O3 Station Reference	In Service	Teledyne-API T703	T703	1152	12/2/2025			SEK430, 06-107-0009
NPS	CA	PM10 & PM2.5	In Service	Met One BAM-1020	BAM-1020	P2197	1/9/2026			SEK430, 06-107-0009
NPS	CA	Zero-Air Supply	In Service	Altec CDA10	CDA10	092000484	5/20/2024			SEK430, 06-107-0009
NPS	VA	Combination Met Sensor	In Service	Vaisala WXT530	WXT530	W3133373	3/10/2025			SHN418, 51-113-0003
NPS	VA	Computer	In Service	HP EliteBook 8470B	EliteBook 8470B	CNU351B4FP	8/2/2024			SHN418, 51-113-0003
NPS	VA	Gas Cylinders	In Service	Site Gas Cylinders	Gas Cylinders	SHEN-BM-CYL	1/1/2010			SHN418, 51-113-0003
NPS	VA	Infrastructure	In Service	Site Infrastructure	Infrastructure	SHEN-BM	1/1/2010			SHN418, 51-113-0003
NPS	VA	Mass Flow Controller - CASTN	In Service	Tylan FC-280	FC-280	AW9605202				SHN418, 51-113-0003
NPS	VA	O3 Analyzer	In Service	Thermo 49I	49I	1201477659	7/1/2025			SHN418, 51-113-0003
NPS	VA	O3 Station Reference	In Service	Thermo 49I-SR	49I-SR	103745083	3/12/2024			SHN418, 51-113-0003
NPS	VA	Tower	In Service	Aluma Tower Tower Aluma	Tower Aluma	(5269)				SHN418, 51-113-0003
NPS	VA	Tower	In Service	Tower Tower	Tower	(5270)				SHN418, 51-113-0003
NPS	ND	Computer	In Service	HP PROBOOK 6560B	PROBOOK 6560B	5CB1520H68	8/29/2012			THR422, 38-007-0002
NPS	ND	Datalogger	In Service	ESC 8816	8816	2600	3/30/1999			THR422, 38-007-0002
NPS	ND	Gas Cylinders	In Service	Site Gas Cylinders	Gas Cylinders	THRO-VC-CYL	1/1/2010			THR422, 38-007-0002
NPS	ND	Infrastructure	In Service	Site Infrastructure	Infrastructure	THRO-VC	1/1/2010			THR422, 38-007-0002
NPS	ND	Modem	In Service	Sierra Wireless GX450	GX450	LA80510523001005	9/12/2018			THR422, 38-007-0002
NPS	ND	Shelter	In Service	Ekto 8814	8814	3028-1	8/12/1998			THR422, 38-007-0002
NPS	ND	Solar Radiation	In Service	LiCor LI-200SZ	LI-200SZ	PY47290				THR422, 38-007-0002
NPS	ND	Tower	In Service	Aluma Tower AT-516	AT-516	(4250)	3/31/2017			THR422, 38-007-0002
NPS	ND	Tower	In Service	Aluma Tower Tower Aluma	Tower Aluma	(5271)				THR422, 38-007-0002
NPS	ND	Tower	In Service	Tower Tower	Tower	(5272)				THR422, 38-007-0002
NPS	MN	Computer	In Service	Panasonic CF-53	CF-53	4KTSA71053	8/6/2024			VOY413, 27-137-0034
NPS	MN	Datalogger	In Service	Campbell Scientific CR310	CR310	18922	7/17/2024			VOY413, 27-137-0034
NPS	MN	Gas Cylinders	In Service	Site Gas Cylinders	Gas Cylinders	VOYA-SB-CYL	1/1/2010			VOY413, 27-137-0034
NPS	MN	Infrastructure	In Service	Site Infrastructure	Infrastructure	VOYA-SB	1/1/2010			VOY413, 27-137-0034
NPS	MN	Mass Flow Controller - CASTN	In Service	Alicat Scientific MC-10SLPM-D-PCV65	MC-10SLPM-D-PCV65	301229	10/31/2023			VOY413, 27-137-0034
NPS	MN	O3 Station Reference	In Service	Teledyne-API T703	T703	1156	7/15/2025			VOY413, 27-137-0034
NPS	MN	Precipitation	In Service	Climatronics 100508	100508	NPS 91050				VOY413, 27-137-0034
NPS	MN	Shelter	In Service	Ekto 8810	8810	2880-2				VOY413, 27-137-0034
NPS	MN	Solar Radiation	In Service	Apogee CS301	CS301	66942	10/31/2023			VOY413, 27-137-0034
NPS	MN	Tower	In Service	Aluma Tower AT-516	AT-516	(4276)				VOY413, 27-137-0034
NPS	SD	Ambient Temperature	In Service	RM Young 41342VC	41342VC	TS00014264				WNC429, 46-033-0132
NPS	SD	Computer	In Service	HP PROBOOK 6560B	PROBOOK 6560B	5CB1520H5J	8/29/2012			WNC429, 46-033-0132
NPS	SD	Datalogger	In Service	ESC 8832	8832	A4868K	10/11/2016			WNC429, 46-033-0132
NPS	SD	Gas Cylinders	In Service	Site Gas Cylinders	Gas Cylinders	WICA-VC-CYL	1/1/2010			WNC429, 46-033-0132
NPS	SD	Infrastructure	In Service	Site Infrastructure	Infrastructure	WICA-VC	1/1/2010			WNC429, 46-033-0132
NPS	SD	Mass Flow Controller - CASTN	In Service	Tylan RO-32	RO-32	FP970602				WNC429, 46-033-0132
NPS	SD	Tower	In Service	Aluma Tower AT-516	AT-516	EPA 923315				WNC429, 46-033-0132
NPS	SD	Tower	In Service	Aluma Tower Tower Aluma	Tower Aluma	(5273)				WNC429, 46-033-0132
NPS	SD	Tower	In Service	Tower Tower	Tower	(5274)				WNC429, 46-033-0132
NPS	WY	Combination Met Sensor	In Service	Vaisala WXT536	WXT536	V5020684	7/17/2024			YEL408, 56-039-1011
NPS	WY	Computer	In Service	HP PROBOOK 440	PROBOOK 440	3T394803PC	8/6/2024			YEL408, 56-039-1011
NPS	WY	Datalogger	In Service	Campbell Scientific CR310	CR310	18928	6/12/2024			YEL408, 56-039-1011
NPS	WY	Infrastructure	In Service	Site Infrastructure	Infrastructure	YELL-WT	1/1/2010			YEL408, 56-039-1011
NPS	WY	O3 Analyzer	In Service	Thermo 49I	49I	1172090002	8/29/2017			YEL408, 56-039-1011
NPS	WY	O3 Station Reference	In Service	Thermo 49I-SR	49I-SR	926938297	3/12/2024			YEL408, 56-039-1011
NPS	WY	Relative Humidity	In Service	Rotronic MP601A	MP601A	52065	6/1/1998			YEL408, 56-039-1011
NPS	WY	Shelter	In Service	Ekto 8810	8810	2880-1				YEL408, 56-039-1011
NPS	WY	Tower	In Service	Aluma Tower AT-516	AT-516	(4277)				YEL408, 56-039-1011
NPS	WY	Tower	In Service	Aluma Tower Tower Aluma	Tower Aluma	(5275)				YEL408, 56-039-1011
NPS	WY	Tower	In Service	Tower Tower	Tower	(5276)				YEL408, 56-039-1011
NPS	WY	Zero-Air Supply	In Service	Werther PC70/4	PC70/4	531393				YEL408, 56-039-1011

Appendix L. CASTNET Asset Management Table

OWNER	STATE	ASSET TYPE	STATUS	MANUFACTURER	MODEL	SERIAL ID	ACQUIRED	PURCH PRICE	CONDITION	AGENCY ID
NPS	CA	Combination Met Sensor	In Service	Vaisala WXT536	WXT536	V5020687	7/22/2024			YOS404, 06-043-0003
NPS	CA	Computer	In Service	HP EliteBook 8470B	EliteBook 8470B	CNU347CS5G	8/2/2024			YOS404, 06-043-0003
NPS	CA	Datalogger	In Service	Campbell Scientific CR1000X	CR1000X	SN: 62967	5/24/2025			YOS404, 06-043-0003
NPS	CA	Datalogger	In Service	Campbell Scientific CR310	CR310	18935	7/22/2024			YOS404, 06-043-0003
NPS	CA	Gas Cylinders	In Service	Site Gas Cylinders	Gas Cylinders	YOSE-TD-CYL	1/1/2010			YOS404, 06-043-0003
NPS	CA	Infrastructure	In Service	Site Infrastructure	Infrastructure	YOSE-TD	1/1/2010			YOS404, 06-043-0003
NPS	CA	Mass Flow Controller - CASTN	In Service	Alicat Scientific MC-10SLPM-D-PCV65	MC-10SLPM-D-PCV65	150929	5/22/2017			YOS404, 06-043-0003
NPS	CA	Modem	In Service	Sierra Wireless GX450	GX450	LA82610183001005	10/12/2018			YOS404, 06-043-0003
NPS	CA	O3 Analyzer	In Service	Thermo 49I	49I	1231755663	12/5/2025			YOS404, 06-043-0003
NPS	CA	O3 Station Reference	In Service	Teledyne-API T703	T703	1153	12/4/2025			YOS404, 06-043-0003
NPS	CA	Shelter	In Service	Ekto 8812	8812	3515-2				YOS404, 06-043-0003
NPS	CA	Tower	In Service	Aluma Tower AT-516	AT-516	(4278)				YOS404, 06-043-0003
NPS	CA	Zero-Air Supply	In Service	Werther PC70/4E	PC70/4E	531397	9/21/2001			YOS404, 06-043-0003