

SUMMARY OF NETWORKS FOR INORGANIC GASES

Numbers of Measurement Sites for Each Inorganic Gas

Network	Total Number of Sites	Ozone (O3)	Nitrogen Oxides (NOx)	Nitrogen Oxide (NO)	Nitrogen Dioxide (NO2)	Total Reactive Nitrogen (NOy)	Ammonia (NH3)	Nitric Acid (HNO3)	Sulfur Dioxide (SO2)	Carbon Monoxide (CO)	Location of Information and/or Data
State / Local / Federal Networks											
NCORE ^{1,6}	75	75		75	75	75	75	75	75	75	http://www.epa.gov/ttn/amtic/monstratdoc.html
SLAMS ²	~3000	1783	306	373	613	75	29		819	714	http://www.epa.gov/ttn/airs/airsaqs/aqsweb/aqswebhome.htm
PAMS ²	75	50	60	61	54	3				1	http://www.epa.gov/ttn/airs/airsaqs/aqsweb/aqswebhome.htm
CASTNet ^{3,7}	80+	88						88	88		http://www.epa.gov/castnet/
GPMP ²	33	35							4	1	http://www2.nature.nps.gov/air/Monitoring/network.cfm#data
Tribal Monitoring Networks											
Tribal ²	120+	21	6	10	13	4	1		16	6	http://www.epa.gov/ttn/airs/airsaqs/aqsweb/aqswebhome.htm
Industry Networks											
New Source Permit ²	variable	8	18	20	24				66	8	Contact specific industrial facilities
ARIES/SEARCH ⁴	8	8	8	8	8	8	2	8	8	8	http://www.atmospheric-research.com/studies/SEARCH/index.html
HRM Network ⁵	9	9			9				9	9	http://hrm.radian.com/houston/how/index.htm

Footnotes:

1. NCore is a network proposed to replace NAMS, as a component of SLAMS; NAMS are designated as national trends sites.
2. Counts of sites for which selected inorganic gases are measured are based on a search of air quality measurements in AQS that was made on 04/19/06. Monitor type, pollutant or "parameter" code, and the last sampling date for a given monitoring site were the primary search factors considered. Last sampling dates encompassed 2004 to the present. Parameter codes unique to each pollutant were chosen. The following monitor types were selected for inclusion with the indicated types of networks:
 - a. SLAMS network includes: NAMS, SLAMS, other, non-regulatory, special purpose, and unknown monitoring types
 - b. PAMS network includes: PAMS and unofficial PAMS monitoring types
 - c. GPMP network includes: Non-EPA federal monitoring type
 - d. Tribal network includes: Tribal monitors type; also, the number of sites indicated for tribal monitoring is actually the number of monitors, rather than sites. The number of sites with multiple monitors is probably less than 80.
 - e. New Source Permit network includes: Industrial type.
3. Counts of sites for which selected inorganic gases are measured are based on a "Quick Report" for 2004 from the CASTNet website made on 04/19/06; measurements of pollutants, other than O₃, are based on Filter Pack providing weekly integrated averages.
4. Counts of sites for which selected inorganic gases are measured are based on information from the SEARCH website taken on 04/19/06.
5. Counts of sites for which selected inorganic gases are measured are based on information from the HRM website taken on 04/19/06.
6. Monitoring for NO₂, NH₃ and HNO₃ under NCore is pending the availability of suitable methods.
7. HNO₃ values under CASTNet include some volatile fraction from particle nitrates.