

Table S6-1. U.S Distribution of Oxides of Nitrogen for Calculating Increments for Standardizing Epidemiologic Effect Estimates – Long-term Averages^a

Oxide of Nitrogen	Time Period	N Daily Observations/ Sites ^b	Percentiles (ppb)						95 th -50 th (ppb)	Increment for Standardization ^c		
			5	10	25	50	75	90			95	99
ANNUAL AVERAGE												
NO ₂	2011-2013	976, 399 sites	1.3	2.1	4.3	7.9	11.7	16.0	18.4	23.4	10.5	10 ppb
	2011	337 sites	1.4	2.5	4.9	8.6	12.5	17.1	20.1	24.4	11.5	
	2012	339 sites	1.4	2.2	4.2	8.1	11.7	16.0	18.7	22.2	10.6	
	2013	300 sites	1.1	2.0	4.0	7.2	10.6	13.8	17.3	20.7	10.1	
NO ^d	2011-2013	882, 358 sites	0.10	0.33	1.1	3.0	6.6	10.2	13.7	23.0	10.7	10 ppb
	2011	303 sites	0.16	0.38	1.3	3.5	7.5	12.7	14.3	23.3	10.8	
	2012	304 sites	0.06	0.31	1.0	3.0	6.8	10.5	12.4	21.1	9.4	
	2013	275 sites	0.11	0.30	0.91	2.5	5.8	8.9	11.1	21.6	8.6	
NO _x	2011-2013	911, 372 sites	1.4	2.6	5.1	10.9	18.0	26.4	31.1	44.9	20.2	20 ppb
	2011	312 sites	1.4	2.8	5.8	11.8	19.3	29.0	32.0	45.3	20.2	
	2012	317 sites	1.1	2.7	5.2	11.0	18.4	26.2	29.6	42.5	18.6	
	2013	282 sites	1.5	2.4	4.9	9.7	16.7	23.2	28.9	38.1	19.2	
3-MONTH AVERAGES												
NO ₂	2011-2013	3,903, 399 sites	1.1	1.9	3.9	7.3	11.7	16.6	20.2	25.6	12.9	10 ppb
	2011	1,348, 337	1.2	2.1	4.3	7.9	12.5	18.0	21.9	26.7	14.0	
	2012	1,356, 339	1.3	2.0	4.0	7.4	11.9	16.5	19.8	25.0	12.4	
	2013	1,199, 300	1.1	1.6	3.5	6.5	10.5	15.3	18.7	24.6	12.1	
NO ^d	2011-2013	3,526, 358 sites	0.04	0.21	0.78	2.2	5.5	12.3	17.3	29.6	15.1	10 ppb
	2011	1,212, 303 sites	0.07	0.25	0.85	2.4	6.1	13.7	19.7	32.1	17.3	
	2012	1,215, 304 sites	0.03	0.21	0.76	2.2	5.8	12.1	16.8	28.4	14.6	
	2013	1,099, 275 sites	0.02	0.18	0.70	1.9	4.6	11.0	15.1	29.2	13.2	
NO _x	2011-2013	3,642, 372 sites	1.2	2.3	4.7	9.4	17.3	28.4	36.5	52.1	27.1	20 ppb
	2011	1,248, 312 sites	1.2	2.3	5.2	10.1	18.9	31.0	41.0	55.1	30.9	
	2012	1,267, 317 sites	1.2	2.3	4.7	9.8	17.5	28.2	35.3	50.1	25.5	
	2013	1,127, 282 sites	1.3	2.0	4.2	8.4	15.5	25.8	33.2	51.5	24.8	
3-YEAR AVERAGES												
NO ₂	2011-2013	399 sites	1.2	2.1	4.1	7.9	11.9	16.3	19.1	23.3	11.2	10 ppb
NO ^d	2011-2013	358 sites	0.11	0.31	1.1	2.9	7.2	11.3	14.0	25.8	11.1	10 ppb
NO _x	2011-2013	372 sites	1.4	2.6	5.0	10.9	18.8	27.7	31.6	45.6	20.7	20 ppb

^aHourly data for the U.S. available at the AQS datamart: <http://www.epa.gov/ttn/airs/airsaqs/detaildata/downloadaqsdta.htm>

^bMeet the criteria of 75% completeness for each day and year.

^c95th-50th percentile differences for 2011-2013 rounded up to nearest 5 ppb.

^dNO calculated by subtracting hourly NO₂ from hourly NO_x concentrations for a given site, date, and measurement time.