

SONORAN DESERT NETWORK		Ozone				NADP (kg/ha/yr)		Visibility - IMPROVE		
PARK	CLASS	2ndHi1hr	4thHi8hr	#8hr>85	#1hr>100	Sum06_3Mo	Total S	Total N	bextClear	bextHazy
Casa Grande Ruins NM	2	105.6	79.9	3.5	7.3	27.4	0.58	0.88	10	33
Chiricahua NM	1	94.2	72.4	1.1	2.3	21.0	0.51	0.7	9	29
Coronado NMEM	2	95.9	74.7	1.8	3.3	17.8	0.6	0.51	9	31
Fort Bowie NHS	2	93.9	72.8	1.2	2.4	21.0	0.5	0.69	9	29
Gila Cliff Dwellings NM	2	97.1	71.3	0.8	2.4	15.4	0.89	1.26	7	36
Montezuma Castle NM	2	108.3	82.9	4.5	8.8	37.2	0.57	0.98	8	29
Organ Pipe Cactus NM	2	104.9	79.4	2.7	6.1	21.8	0.58	0.71	9	36
Saguaro NP	1	95.8	74.6	1.8	3.0	18.7	0.49	0.71	9	31
Tonto NM	2	109.3	82.9	4.7	9.3	40.0	0.6	0.95	11	33
Tumacacori NHP	2	96.5	74.9	1.8	3.2	16.8	0.51	0.74	9	32
Tuzigoot NM	2	107.3	82.6	4.3	8.4	37.6	0.56	0.99	8	28

Class: refers to an area's designation under the Clean Air Act

Ozone information represents 5-yr average of annual values from 1995-1999

2nd High 1 hr concentration (ppb): indicates peak values for ozone; old standard of 0.12 ppm (120 ppb) was based on 2nd hi, 1-hr average

4th high 8 hr concentration (ppb): new ozone standard of 0.08 ppm (80 ppb) is based on 4th hi, 8-hr average

#8 hours>85 ppb: indicates how often the area would be in violation of the new 8-hr standard of 0.08 ppm

hours> 100 ppb: high peaks in ozone concentration, as well as cumulative dose, contribute to vegetation injury

SUM06_3mon (ppm-hrs) - sum of hourly ozone conc≥0.06 ppm (60 ppb) over 3 months (← growing season), i.e., cumulative ozone dose

NADP information represents 6-yr average of annual values from 1995-2000

NADP deposition (kg/ha/yr): estimate of pollutants deposited to ecosystem by precipitation (NADP-National Atmospheric Deposition Program)

NADP Total S - sulfur from sulfate deposited by precipitation

NADP Total N - inorganic nitrogen (ammonium plus nitrate) deposited by precipitation

Visibility IMPROVE information represents 5-yr average of annual values from 1995-1999

bextClear - measure of light scattering and absorption, i.e., extinction, by particles in the air on an average clear day

bextHazy - measure of light scattering and absorption, i.e., extinction, by particles in the air on an average hazy day