

CASA GRANDE PM₁₀ 2011 TEOM Data

24 Hour Averages (ug/m³)

	January	February	March	April	May	June	July	August	September	October	November	December
1	17.1	34.3	23.6	44.6	23.8	62.1	48.6	25.2	51.5	46.0	65.0	113.6
2	17.0	26.3	27.0	47.9	26.7	43.8	221.5	41.6	235.1	28.4	57.5	37.2
3	20.3	19.3	29.2	30.4	49.3	42.6	76.4	101.3	68.7	33.0	81.4	19.2
4	27.0	40.9	23.0	34.0	64.4	35.7	304.4	71.2	43.1	214.7	428.3	12.1
5	33.6	53.8	24.5	53.8	58.3	38.6	479.3	70.4	61.6	77.1	13.8	19.8
6	41.0	41.3	31.1	45.2	49.4	46.6	117.1	55.5	49.1	21.8	18.2	17.4
7	35.1	44.6	67.1	22.7	40.5	46.9	267.6	66.6	33.7	23.0	10.9	28.4
8	24.8	56.2	41.2	52.6	46.6	34.6	53.9	36.6	51.4	27.2	12.5	36.8
9	21.5	32.3	39.6	6.0	42.3	49.3	90.9	32.2	82.5	26.7	23.9	37.4
10	35.5	24.7	52.3	8.9	49.8	45.5	74.6	81.6	363.3	42.3	29.2	30.5
11	37.8	54.1	55.6	15.2	29.0	37.4	26.3	37.8	27.7	42.3	42.1	36.0
12	31.8	38.8	34.1	19.1	40.0	45.3	37.5	35.7	80.1	45.9	41.6	16.4
13	40.3	47.8	38.1	25.7	43.0	40.6	31.6	29.3	59.3	59.7	11.8	4.1
14	36.5	58.4	46.1	56.9	27.8	43.4	38.0	56.6	18.2	62.5	12.9	9.1
15	30.4	60.3	45.7	59.8	40.2	44.3	32.8	63.9	21.3	66.3	22.2	15.7
16	38.8	39.9	43.4	45.1	51.7	32.8	38.6	70.1	27.8	45.0	31.0	17.7
17	48.5	28.0	50.9	42.4	41.8	42.6	118.1	39.0	26.7	64.0	51.5	16.7
18	62.4	39.4	46.4	43.2	59.7	38.8	219.3	199.8	30.9	53.2	38.5	7.7
19	51.9	165.3	62.5	26.2	39.4	58.1	57.2	57.3	34.8	57.6	29.9	12.8
20	30.9	7.7	70.4	29.3	40.9	52.8	107.7	29.4	39.4	53.1	41.0	15.5
21	53.0	10.8	106.0	27.7	34.5	52.9	48.2	34.7	79.8	66.8	27.5	20.6
22	50.1	21.2	7.1	39.0	26.3	53.5	58.4	40.3	50.1	61.7	38.7	20.5
23	36.7	24.4	17.6	33.5	32.3	67.5	61.3	48.1	AN	49.7	50.8	18.1
24	43.9	19.4	22.2	35.4	36.4	53.6	32.6	67.9	131.1	81.5	37.5	20.8
25	54.4	29.1	48.3	44.6	52.6	49.1	25.8	237.6	66.8	35.5	21.2	14.7
26	42.0	51.7	31.5	46.1	49.9	43.1	22.6	211.1	42.3	73.1	19.9	19.4
27	25.5	7.5	29.5	29.6	47.1	47.6	22.8	123.4	154.3	49.6	24.2	36.6
28	51.4	13.1	34.4	40.3	28.9	59.1	34.3	216.3	47.6	65.7	42.3	37.3
29	47.8		34.6	39.4	74.2	71.7	41.6	44.8	42.6	60.7	66.7	46.1
30	48.5		33.0	41.0	49.0	41.0	44.9	48.3	73.2	49.3	52.6	48.7
31	24.1		38.4		60.0		121.0	51.7		65.7		49.3
1st quarter average			38.9	2nd quarter average		42.4	3rd quarter average		81.0	4th quarter average		43.8
# of valid samples			90	# of valid samples		91	# of valid samples		91	# of valid samples		92
% of samples collected			100.00%	% of samples collected		100.00%	% of samples collected		98.91%	% of samples collected		100.00%
# of 24 hr exceedances			1	# of 24 hr exceedances		0	# of 24 hr exceedances		11	# of 24 hr exceedances		2

CASA GRANDE PM₁₀ 2011 TEOM Data Reference Page

Corresponding Color Codings

AQS Codings

24 hour exceedances	any sample > 154.5 ug/m ³	
PCAQCD Exceptional Event	HIGH WIND EVENTS	
	HIGH WIND EVENTS - EPA CONCURRED.	### ^A
Noise exceedences	when the noise on the monitor invalidates the data & data recovery is <75%	AN
Status flow out of range	flow out of range for more than 1 hour	AH
	status codes other than 0 for more than 1 hour	AN
General maintenance	monitor is down for general maintenance activities or filter exchanges for more than 1 hour	BA
Negative data readings	data readings > - 10.4 ug/m ³ or	AN
	Operator Error for more than 6 hours	BJ
Power failures	power outage for more than 6 hours	AV
CAL / VER / AUDIT	monitor is down to perform monthly verification or	AT
	annual system calibrations or	AT
	QC Audit (ADEQ) for more than 1 hour	AZ

Annual Average (ug/m³) minus high wind events	51.5
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Total # of 24 hr Exceedances	14
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Maximum Reading	479.27
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