

# CASA GRANDE PM<sub>10</sub> 2014 TEOM Data

## 24 Hour Averages (ug/m<sup>3</sup>)

	January	February	March	April	May	June	July	August	September	October	November	December	
1	38.0	34.8	15.2	38.5	99.5	27.8	29.5	17.7	26.8	32.3	30.1	58.4	
2	27.7	23.3	7.0	42.5	70.6	43.8	33.5	18.0	30.3	36.9	30.5	78.8	
3	44.4	32.9	15.4	56.5	51.8	42.1	98.4	15.5	28.7	44.0	39.6	AN	
4	34.6	22.3	15.8	44.8	47.8	40.3	17.6	17.6	288.3	40.0	29.1	11.5	
5	27.6	26.1	18.5	26.2	56.5	43.8	52.7	22.8	25.5	34.3	38.0	17.9	
6	33.9	35.6	25.0	28.1	82.8	51.2	29.6	25.6	176.5	55.4	35.2	20.7	
7	36.5	37.8	31.8	36.5	61.8	63.5	34.6	24.7	14.7	53.2	39.5	16.8	
8	44.8	34.7	16.8	38.6	38.1	44.1	929.8	38.2	11.3	15.2	43.0	31.1	
9	43.9	37.9	16.3	43.2	39.7	45.0	29.7	34.9	11.6	10.7	38.2	30.9	
10	42.1	41.6	24.9	42.4	40.1	48.5	28.4	41.9	14.4	17.1	44.1	32.1	
11	36.9	37.4	29.1	40.1	123.9	35.4	29.1	51.8	24.4	23.9	32.1	34.8	
12	30.3	44.1	40.1	35.4	30.3	36.9	80.6	22.4	53.0	18.2	35.0	29.5	
13	37.0	48.5	117.9	31.0	27.6	40.5	203.5	12.8	30.0	21.8	34.6	7.7	
14	41.5	58.1	29.8	32.6	76.3	43.7	27.1	22.9	15.1	33.9	35.0	10.1	
15	54.4	55.1	39.2	48.9	42.4	37.5	37.9	19.0	31.0	36.2	28.8	18.6	
16	49.8	46.4	22.6	39.0	52.2	48.1	17.4	25.4	22.2	32.5	31.0	21.4	
17	57.7	46.9	26.7	42.5	34.1	30.2	21.8	59.2	8.4	42.1	51.9	8.2	
18	44.4	51.7	34.9	44.7	28.4	34.8	24.0	13.5	11.7	38.5	46.6	10.0	
19	48.3	43.7	38.8	21.2	34.3	31.5	32.3	21.2	28.3	50.9	69.3	17.4	
20	48.3	41.1	48.0	19.0	42.7	51.0	21.8	25.6	23.4	27.5	64.3	18.2	
21	64.1	64.7	40.6	31.6	47.7	32.0	27.1	51.5	14.9	30.3	65.1	16.9	
22	62.3	51.0	27.5	32.6	33.0	26.5	41.9	23.0	22.8	40.4	50.3	21.3	
23	67.8	57.4	35.0	46.2	42.8	26.8	56.9	19.3	30.3	39.0	45.1	17.0	
24	105.4	58.3	37.0	52.2	32.0	29.6	38.5	22.1	35.6	46.3	61.7	19.2	
25	50.0	63.3	74.8	49.9	28.7	39.4	157.9	54.4	36.2	40.2	48.4	19.6	
26	40.3	49.1	62.2	106.6	36.0	30.8	77.1	14.7	26.8	22.6	68.6	17.6	
27	44.5	37.1	60.0	91.6	46.9	33.4	133.6	17.8	30.6	36.6	57.8	17.0	
28	40.0	53.3	47.8	34.9	31.8	32.6	26.2	26.8	23.1	42.1	65.4	20.9	
29	51.5		52.2	25.0	67.2	39.8	25.2	34.9	32.4	57.9	59.2	28.1	
30	47.2		56.9	35.7	36.0	33.8	67.3	32.7	30.0	60.3	44.1	28.8	
31	36.9		58.7		40.8		33.1	24.6		51.9		20.0	
<b>1st quarter average</b>	42.6		<b>2nd quarter average</b>		43.4		<b>3rd quarter average</b>		48.6		<b>4th quarter average</b>		34.9
<b># of valid samples</b>	90		<b># of valid samples</b>		91		<b># of valid samples</b>		92		<b># of valid samples</b>		91
<b>% of samples collected</b>	100.00%		<b>% of samples collected</b>		100.00%		<b>% of samples collected</b>		100.00%		<b>% of samples collected</b>		98.91%
<b># of 24 hr exceedances</b>	0		<b># of 24 hr exceedances</b>		0		<b># of 24 hr exceedances</b>		5		<b># of 24 hr exceedances</b>		0

## CASA GRANDE PM<sub>10</sub> 2014 TEOM Data Reference Page

### Corresponding Color Codings

### AQS Codings

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

<b>Annual Average (ug/m<sup>3</sup>) minus high wind events</b>	42.4
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<b>Total # of 24 hr Exceedances</b>	5
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<b>Maximum Reading</b>	929.80
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