

## CASA GRANDE PM<sub>10</sub> 2016 TEOM Data

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

	Approved Data					Preliminary Data						
	January	February	March	April	May	June	July	August	September	October	November	December
1	36.6	44.7	49.6	31.2	24.1	40.8	11.7	AH	43.1	18.4	35.1	26.5
2	20.6	13.0	55.4	37.5	31.8	56.2	19.8	AH	28.0	17.0	51.3	28.8
3	15.8	15.9	49.8	26.0	35.6	58.8	23.0	AH	26.1	19.7	39.0	23.3
4	18.6	18.2	59.4	44.9	36.8	53.2	20.7	AH	25.3	34.2	19.0	23.9
5	5.2	26.4	39.5	49.7	40.3	44.8	21.2	AH	26.0	37.5	17.3	41.7
6	6.4	17.9	54.7	52.2	27.7	41.4	44.7	AH	41.7	43.8	19.1	38.8
7	6.2	19.9	105.4	89.2	11.2	42.9	28.4	AH	12.8	40.2	22.5	34.7
8	7.8	31.3	27.2	10.0	12.9	62.6	24.9	AH	14.1	37.0	29.4	48.1
9	12.8	28.6	42.1	8.3	18.8	50.0	26.6	AH	23.9	21.2	23.9	65.8
10	12.3	35.1	45.2	13.4	23.6	53.6	25.9	AH	28.4	37.7	27.0	53.5
11	19.5	49.4	BE	9.6	28.5	36.1	32.3	AH	24.4	41.4	20.4	37.6
12	22.4	50.2	BE	13.7	37.9	25.1	28.1	AH	27.9	37.3	18.4	44.0
13	21.4	44.8	BE	16.7	44.6	23.7	33.1	AH	36.8	42.7	24.8	50.9
14	23.5	36.0	BE	23.1	30.6	29.6	52.7	AH	29.7	45.9	38.9	51.2
15	28.2	40.5	BE	77.7	29.0	41.6	49.6	AH	39.4	42.2	50.0	68.1
16	22.5	38.9	BE	25.6	22.4	34.9	53.2	AH	37.2	28.5	52.8	39.9
17	25.4	39.7	49.6	17.8	43.3	42.9	29.8	AH	31.0	32.5	92.5	106.4
18	32.5	49.8	53.3	23.6	24.7	47.7	61.6	AH	34.8	43.7	59.8	31.6
19	32.7	52.6	39.2	30.3	28.3	50.9	113.8	AH	51.8	58.8	51.7	23.1
20	41.5	44.3	40.2	37.8	44.0	49.7	26.9	49.4	32.1	61.7	37.4	41.4
21	25.9	34.0	44.0	40.0	40.6	45.6	49.1	93.0	26.4	44.8	17.6	25.5
22	39.3	66.9	86.7	33.6	31.1	35.8	138.1	28.8	15.1	49.7	20.9	7.8
23	32.7	27.9	46.6	35.9	29.4	61.5	99.1	19.5	71.3	42.7	31.9	11.4
24	21.1	35.3	37.8	24.2	27.8	34.7	67.3	42.6	48.8	49.2	23.9	47.5
25	30.2	41.8	37.8	54.5	32.8	41.2	35.5	54.5	33.4	42.7	26.3	9.0
26	27.0	58.9	34.3	86.6	39.1	39.8	73.0	25.6	56.8	41.4	32.9	14.6
27	29.0	52.0	30.1	33.2	41.8	31.6	92.4	21.9	51.8	51.6	38.1	20.3
28	44.2	43.3	51.1	54.7	41.5	34.9	25.4	20.6	17.2	49.4	32.4	28.9
29	50.2	51.3	43.2	38.2	31.1	53.9	501.5	35.1	13.8	43.7	17.1	20.8
30	29.5		29.9	75.9	23.3	17.3	AH	44.2	15.5	35.3	24.6	15.1
31	156.9		31.9		44.9		AH	29.2		39.5		11.4
<b>1st quarter average</b>			37.4	<b>2nd quarter average</b>		37.1	<b>3rd quarter average</b>		45.6	<b>4th quarter average</b>		36.1
<b># of valid samples</b>			84	<b># of valid samples</b>		91	<b># of valid samples</b>		71	<b># of valid samples</b>		92
<b>% of samples collected</b>			93.33%	<b>% of samples collected</b>		100.00%	<b>% of samples collected</b>		77.17%	<b>% of samples collected</b>		100.00%
<b># of 24 hr exceedances</b>			1	<b># of 24 hr exceedances</b>		0	<b># of 24 hr exceedances</b>		1	<b># of 24 hr exceedances</b>		0

# CASA GRANDE PM<sub>10</sub> 2016 TEOM Data Reference Page

## Corresponding Color Codings

## AQS Codings

<b>24 hour exceedances</b>	any sample > 154.9 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 machine malfunction shelter temperature out of range	AH AN AE
<b>General maintenance</b>	monitor is down for general maintenance activities or filter exchanges for more than 1 hour Building/Site repair	BA BA BE
<b>Negative data readings</b>	data readings > - 10.4 ug/m <sup>3</sup> or Operator Error for more than 6 hours	AN BJ
<b>Power failures/Vandalism</b>	power outage for more than 6 hours Vandalism	AV AP
<b>CAL / VER / AUDIT</b>	monitor is down to perform monthly verification or annual system calibrations or QC Audit (ADEQ) for more than 1 hour	AT AT AZ

Annual Average (ug/m <sup>3</sup> ) minus high wind events	39.1
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Total # of 24 hr Exceedances	2
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Maximum Reading	501.5
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