

# CASA GRANDE PM<sub>10</sub> 2017 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	3	33	12	34	32	32	34	42	49	27	45	139
2	7	30	17	20	37	41	35	38	AN	33	36	108
3	16	37	28	35	35	39	46	50	AN	36	41	51
4	24	33	29	29	33	36	43	66	AN	39	33	58
5	18	29	20	31	51	38	42	13	AN	44	22	98
6	22	34	22	36	120	34	62	15	AN	54	49	43
7	22	26	34	37	32	32	88	20	AN	47	65	67
8	22	35	41	34	35	35	145	25	AN	63	32	43
9	38	41	38	33	8	46	143	43	30	50	53	47
10	29	44	36	36	11	26	51	58	22	37	53	45
11	25	30	34	54	25	36	19	23	36	53	47	63
12	31	18	32	44	32	30	39	25	40	50	54	63
13	46	23	40	54	21	34	87	9	48	55	77	72
14	28	24	41	42	23	46	87	17	114	55	76	71
15	6	17	43	29	42	47	226	21	25	48	73	48
16	10	27	48	34	25	45	39	19	22	59	79	71
17	19	43	49	34	19	34	33	23	27	63	66	17
18	22	16	38	37	30	49	21	32	30	63	44	20
19	16	5	30	32	25	53	35	27	41	55	55	19
20	9	8	50	36	30	54	45	20	28	67	67	15
21	16	19	32	43	29	59	24	26	38	160	89	76
22	16	14	74	37	32	48	27	33	31	72	99	29
23	11	31	17	37	35	51	25	96	28	64	59	31
24	10	20	23	32	33	41	9	18	29	77	73	34
25	12	20	24	67	31	68	15	29	40	50	74	29
26	13	21	23	32	30	49	20	74	47	59	73	43
27	14	22	26	43	20	47	64	101	38	66	91	57
28	16	8	24	77	26	38	109	82	47	56	141	55
29	15		20	22	37	34	24	32	52	45	135	63
30	30		54	24	70	41	18	36	43	51	125	56
31	37		132		45		31	32		42		53
<b>1st quarter average</b>	27.1		<b>2nd quarter average</b>	37.9			<b>3rd quarter average</b>	44.0		<b>4th quarter average</b>	59.2	
<b># of valid samples</b>	90		<b># of valid samples</b>	91			<b># of valid samples</b>	85		<b># of valid samples</b>	92	
<b>% of samples collected</b>	100.00%		<b>% of samples collected</b>	100.00%			<b>% of samples collected</b>	92.39%		<b>% of samples collected</b>	100.00%	
<b># of 24 hr exceedances</b>	0		<b># of 24 hr exceedances</b>	0			<b># of 24 hr exceedances</b>	1		<b># of 24 hr exceedances</b>	1	

# CASA GRANDE PM<sub>10</sub> 2017 TEOM Data Reference Page

## Corresponding Color Codings

## AQS Codings

<b>24 hour exceedances</b>	any sample > 155.5 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 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	42.1
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Total # of 24 hr Exceedances	2
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Maximum Reading	226.0
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