

CASA GRANDE PM2.5 2018 BAM 1020 Data

24 Hour Averages (ug/m³)

	Approved Data					Peliminary Data								
	January	February	March	April	May	June	July	August	September	October	November	December		
1	43.9	AT	4.5	6.5	9	7.5	2.6	14.5	11.1	3.8	9.1	6.6		
2	18.6	AT	5	6	7.2	9.7	4.7	37.8	11.6	3.3	7.6	5.8		
3	13	AT	4.9	8.9	6.2	11.8	5.6	12.2	4.7	0.7	5.7	7.5		
4	12.4	AT	2.7	9.9	5.9	AN	6.4	7.7	6.1	2.5	5.7	AE		
5	12.6	AT	4.6	10.3	5.3	11.6	36.5	8.4	11.2	3	5.5	5.1		
6	14	6.8	4.5	5.7	6.6	9.7	15	8.5	5	0.4	7	6.7		
7	11.9	4.2	7	9.7	4.9	9	18.4	25.6	5.5	3.8	7.5	6		
8	13	8.9	7.4	8.3	9.2	8.8	24.5	19.2	4	2.3	6.6	8		
9	16.4	8.2	5.7	9	11	9.2	12.9	39.6	6.2	2.5	7	10.3		
10	5.1	9.3	5.6	10.7	6.8	8.3	9.3	14.6	10.3	3.4	15.4	5.1		
11	9.1	6.1	4.5	9.2	36.7	8.7	6.7	7.3	4.9	3.9	8.2	8.5		
12	20.3	10.2	4.2	42.5	10.5	7.1	9.1	11.4	5.9	2.7	5.6	6.2		
13	13.7	5.3	7.4	9.9	4.5	9	14.3	9.2	8.3	1	4.4	6.9		
14	8.8	6.2	6.9	7.2	3.2	12.2	8.5	8.1	8.8	1.9	3	7.1		
15	10.5	4.4	5.6	14	5.3	12.7	8	9.5	8.2	3.2	10.2	7.3		
16	10.8	13.4	3.5	15.7	8.8	9.5	17.9	5.8	11.1	1.9	12.6	5.5		
17	9.9	15	3.1	14.5	7.5	8.5	7	6	12.2	3	13.6	7.7		
18	9.2	6.4	2.2	6.4	6.4	6.9	7.8	5.9	8.8	1.8	15.8	8.3		
19	9.6	10.6	3.5	18.9	10.7	8.2	5.9	6.5	5.7	2.4	18	9.6		
20	10.5	17.9	6.1	13.5	9.1	7.9	7.7	14.7	4.7	2.9	15.7	12.2		
21	6.6	6	5.7	6.6	11.7	5.1	10.7	6	4.3	5	14.5	9.3		
22	7	2.5	6.9	7.2	7.7	4.5	4.5	12.6	3.2	2.7	12	10.5		
23	7.6	3.5	6	7.9	6	10.1	4.9	8.2	1.6	2.9	10.6	10.6		
24	5.5	4.3	10	8	6.4	9	8	7.5	3.7	2.5	9.7	10		
25	7.9	4.9	4.5	9.2	4.7	5.4	8.8	3.7	5.2	3.1	8.3	9.4		
26	12	5.5	13.6	8.4	8	5.2	9.1	5.5	3.8	5	7.3	3.5		
27	11	6.7	8.4	7.8	13.3	6.9	15.1	7.2	6	6	9.8	2.9		
28	AN	4.9	3.8	7.5	9.7	10.9	15.1	7.3	6.6	5.8	10.2	4.8		
29	AN		3.6	8.5	9.3	13.1	6.4	7.6	4	5.4	11	6.5		
30	AN		6.4	9.9	7.7	6.5	16.7	8.4	6.3	4.2	5.7	6		
31	AT		6.1		6.7		8.7	5.9		5.5		7		
1st quarter average			8.3	2nd quarter average			9.3	3rd quarter average			9.7	4th quarter average		6.6
# of valid samples			81	# of valid samples			90	# of valid samples			92	# of valid samples		91
% of samples collected			90.00%	% of samples collected			98.90%	% of samples collected			100.00%	% of samples collected		98.91%
# of 24 hr exceedances			1	# of 24 hr exceedances			2	# of 24 hr exceedances			3	# of 24 hr exceedances		0

CASA GRANDE PM2.5 2018 BAM 1020 Data Reference Page

Corresponding Color Codings

AQS Codings

24 hour exceedances	any sample > 35.0 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 out of range	flow out of range for more than 1 hour	AH
	machine malfunction	AN
	tape break	AN
	shelter temperature out of range	AE
General maintenance	monitor is down for general maintenance activities or filter exchanges for more than 1 hour	BA
	Building/Site repair	BA
		BE
Negative data readings	Data recovery is <75% due to Negative values	AN
	Operator Error for more than 6 hours	BJ
Power failures/Vandalism	power outage for more than 6 hours	AV
	Vandalism	AP
CAL / VER / AUDIT	monitor is down to perform monthly verification or annual system calibrations or	AT
	QC Audit (ADEQ) for more than 1 hour	AT
		AZ

Annual Average (ug/m³) minus high wind events	8.5
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Total # of 24 hr Exceedances	6
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Maximum Reading	43.9
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