

CASA GRANDE PM2.5 2017 BAM 1020 Data

24 Hour Averages (ug/m³)

	Approved Data					Preliminary Data							
	January	February	March	April	May	June	July	August	September	October	November	December	
1	3.5	8.3	5.1	9.3	6.9	7.6	4.9	AN	12.4	9.2	9.3	27.8	
2	3.5	7.6	4.2	5.5	8.9	11.1	8.4	AN	15.4	11.0	7.5	29.7	
3	9.0	9.5	4.4	7.0	7.9	8.2	13.2	AN	9.9	15.9	7.8	14.0	
4	14.0	10.6	6.1	7.4	7.5	9.0	10.2	AN	9.7	9.0	6.8	13.9	
5	6.0	8.0	5.3	6.3	12.0	7.2	8.1	AN	10.8	8.7	6.0	15.7	
6	5.5	6.8	4.7	8.2	16.2	5.1	15.1	AN	11.9	9.3	9.5	10.3	
7	9.3	4.7	6.7	8.6	7.4	5.2	18.2	AN	19.2	11.4	13.5	7.9	
8	9.2	8.2	10.0	8.0	7.1	7.2	22.6	AN	19.0	11.1	5.7	12.6	
9	9.4	7.1	7.5	11.5	2.9	12.5	25.3	AN	14.5	13.9	11.0	29.2	
10	7.1	8.4	8.4	11.2	3.0	5.7	8.3	AN	8.2	8.6	11.5	14.2	
11	4.5	5.3	8.7	12.5	6.3	6.2	2.6	AN	9.1	9.8	9.4	19.1	
12	8.4	3.3	6.6	11.2	7.2	5.6	6.2	AN	9.1	12.4	12.8	18.9	
13	13.6	7.5	7.8	10.6	5.0	7.1	9.3	AN	7.3	12.3	17.0	17.3	
14	12.6	7.0	7.7	8.8	5.4	8.2	9.3	AN	11.0	14.5	15.8	15.1	
15	3.8	4.9	8.7	7.0	8.8	9.5	21.5	AN	5.0	14.0	13.8	14.9	
16	5.2	6.5	9.6	9.1	7.6	7.8	4.6	AN	5.0	9.2	21.7	18.3	
17	9.0	7.2	14.4	AH	5.2	7.0	AN	AN	4.9	10.6	17.2	7.9	
18	10.5	4.7	10.1	AH	6.0	10.4	AN	AN	4.4	11.6	12.1	14.6	
19	8.1	2.7	11.2	AH	3.6	21.9	AN	AN	6.7	10.3	12.4	16.5	
20	3.8	3.6	11.4	AH	6.3	13.8	AN	AN	4.7	12.1	13.5	9.9	
21	4.4	10.4	7.2	AH	8.7	13.9	AN	AN	5.7	34.7	26.4	11.7	
22	5.4	6.0	7.9	AH	6.7	12.0	AN	AN	5.6	19.2	20.6	7.4	
23	2.2	6.2	4.5	AH	6.7	13.3	AN	10.3	5.5	17.5	11.7	12.6	
24	3.3	5.6	6.5	AH	6.3	10.0	AN	4.4	7.2	10.8	14.4	15.0	
25	4.3	7.1	5.5	AH	5.3	15.5	AN	5.7	6.7	8.7	16.0	15.5	
26	6.6	6.2	6.1	AH	5.7	13.4	AN	12.0	8.1	11.0	18.6	15.7	
27	4.4	4.5	6.2	AH	4.0	8.5	AN	12.9	7.0	14.0	13.6	20.4	
28	5.3	3.5	3.8	12.3	7.5	11.9	AN	10.2	9.6	11.7	23.0	18	
29	6.7		5.5	4.1	8.6	7.9	AN	8.3	10.0	33.6	23.3	15.8	
30	6.6		7.8	7.8	10.0	7.1	AN	9.3	7.1	12.9	23.0	15.8	
31	7.3		25.6		8.2		AN	7.5		12.0		24.7	
1st quarter average			7.1	2nd quarter average		8.4	3rd quarter average		9.8	4th quarter average			14.5
# of valid samples			90	# of valid samples		80	# of valid samples		55	# of valid samples			92
% of samples collected			100.00%	% of samples collected		87.91%	% of samples collected		59.78%	% of samples collected			100.00%
# of 24 hr exceedances			0	# of 24 hr exceedances		0	# of 24 hr exceedances		0	# of 24 hr exceedances			0

CASA GRANDE PM2.5 2017 BAM 1020 Data Reference Page

Corresponding Color Codings

AQS Codings

24 hour exceedances	any sample > 35.49 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
	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/m ³) minus high wind events	10.0
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Total # of 24 hr Exceedances	0
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Maximum Reading	34.7
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