

CASA GRANDE PM2.5 2016 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	20.1	8.5	15.5	12.2	7.8	9.3	1.9	7.9	11.5	3.7	6.4	8.0
2	6.3	5.3	12.2	11.7	8.5	12.2	5.4	AN	6.6	5.5	8.0	10.5
3	4.7	6.9	10.0	8.2	8.6	12.8	6.2	AN	6.9	4.6	6.4	8.1
4	5.6	9.1	11.1	10.2	7.9	13.2	4.0	3.8	6.7	6.4	10.6	8.5
5	3.2	9.4	8.7	10.1	6.0	11.9	3.5	5.9	6.2	6.7	11.2	9.4
6	3.6	6.1	9.0	10.2	6.5	16.2	6.5	6.5	9.0	6.9	8.1	10.0
7	2.8	7.5	20.6	14.2	5.5	13.7	7.3	6.3	AN	9.0	7.0	9.3
8	4.7	9.2	6.7	5.1	4.6	17.4	4.1	6.1	AN	9.5	6.8	13.8
9	7.5	7.5	8.5	3.8	5.0	16.0	5.7	8.5	5.2	8.6	4.1	15.3
10	8.5	8.1	8.8	4.6	4.7	16.5	4.7	5.3	6.5	8.7	5.9	14.2
11	11.8	12.1	BE	5.7	6.0	12.3	4.9	AN	3.9	9.7	6.0	10.3
12	8.8	13.3	BE	6.0	9.7	6.5	4.8	AN	4.4	10.6	4.5	8.9
13	9.4	12.5	BE	4.2	9.6	4.6	6.5	14.5	6.2	8.1	6.7	9.0
14	10.5	12.7	BE	4.1	5.5	5.9	9.6	5.9	5.5	14.3	9.2	9.1
15	10.0	12.4	BE	12.1	4.7	6.2	7.6	7.0	7.0	10.6	11.4	10.7
16	16.9	10.2	BE	5.8	5.1	6.7	7.1	8.3	7.1	6.1	11.0	8.5
17	16.2	7.0	10.9	5.1	7.1	9.0	5.5	6.4	8.8	13.5	19.2	17.5
18	11.2	8.5	12.3	5.5	7.0	10.6	7.1	6.8	9.0	10.6	12.2	9.6
19	11.4	10.5	10.1	8.0	5.6	8.2	11.0	9.2	8.2	14.3	10.0	5.9
20	12.6	10.8	12.3	8.5	9.1	8.3	4.1	9.5	4.6	12.4	7.5	9.0
21	8.9	7.7	10.2	11.0	6.7	8.4	7.9	16.8	4.7	10.6	5.3	7.8
22	9.9	9.3	18.5	9.0	9.7	7.5	20.6	6.6	AN	15.0	5.7	3.3
23	9.0	9.7	14.2	8.2	8.3	17.7	13.4	7.6	AN	11.3	10.0	7.2
24	7.5	8.3	8.5	7.1	7.1	9.2	7.3	7.0	10.2	11.0	10.2	8.5
25	10.5	11.0	9.1	12.3	11.2	10.2	7.3	10.5	7.4	11.2	7.6	7.3
26	6.9	17.8	9.3	20.5	12.3	11.6	10.7	5.0	8.0	9.5	7.5	11.5
27	8.0	16.5	12.1	8.5	11.2	8.3	7.9	4.4	9.3	10.6	5.5	BA
28	9.2	12.7	10.8	12.9	10.7	5.7	4.8	3.8	5.3	10.0	5.3	BA
29	13.5	14.4	13.0	12.0	7.9	6.4	19.9	7.5	3.4	11.6	6.6	BA
30	8.0		8.1	10.8	5.4	AN	6.3	9.0	AN	10.1	AE	BA
31	9.9		9.0		9.5		7.5	5.8		8.2		9.4
1st quarter average			10.1	2nd quarter average		8.9	3rd quarter average		7.3	4th quarter average		9.1
# of valid samples			85	# of valid samples		90	# of valid samples		83	# of valid samples		87
% of samples collected			94.44%	% of samples collected		98.90%	% of samples collected		90.22%	% of samples collected		94.57%
# of 24 hr exceedances			0	# of 24 hr exceedances		0	# of 24 hr exceedances		0	# of 24 hr exceedances		0

CASA GRANDE PM2.5 2016 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	8.9
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Total # of 24 hr Exceedances	0
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Maximum Reading	20.6
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