

CASA GRANDE PM2.5 2019 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	6.4	6.2	AT	5.1	3.2	7.0	7.0	5.8	4.4	3.4	11.6	6.0		
2	5.0	4.7	AT	4.4	4.0	7.1	3.7	5.2	4.4	5.3	11.6	8.0		
3	7.2	4.5	AT	7.2	6.0	7.8	12.0	5.2	6.0	6.6	8.8	8.8		
4	10.2	2.9	AT	6.0	5.0	9.4	5.2	3.7	6.2	5.8	11.3	7.8		
5	8.0	2.1	4.7	4.7	4.7	6.5	6.7	6.4	7.2	5.7	9.3	4.6		
6	7.3	3.5	3.5	3.7	2.6	6.0	8.0	2.8	6.7	8.1	7.6	9.9		
7	7.7	2.7	7.0	3.5	2.1	7.1	5.3	5.2	7.7	8.6	6.7	9.0		
8	13.9	6.2	4.8	6.4	3.4	4.5	3.1	6.1	5.5	8.9	6.9	10.0		
9	7.2	6.3	5.2	6.4	3.4	7.5	6.3	4.7	4.8	3.6	5.5	11.2		
10	6.8	7.1	4.4	17.0	4.1	6.3	7.7	4.7	5.7	6.2	7.0	6.1		
11	10.0	4.6	3.4	5.3	4.5	7.7	10.5	3.9	6.7	5.6	8.2	9.9		
12	7.1	4.4	2.6	3.3	2.9	5.6	10.4	3.0	8.7	6.3	17.0	8.7		
13	8.8	7.5	4.5	9.8	4.5	7.0	6.7	7.0	8.3	6.3	9.1	11.6		
14	6.8	6.8	3.1	3.8	5.0	2.9	6.6	7.6	7.8	6.0	11.8	8.0		
15	3.2	5.7	5.9	4.7	4.0	6.8	6.4	4.0	2.4	7.2	19.7	3.4		
16	6.3	2.8	5.5	10.3	4.2	6.2	6.2	5.9	3.9	7.7	13.8	3.2		
17	8.0	3.8	4.6	3.5	8.6	5.1	9.1	4.2	4.2	5.2	17.2	0.3		
18	5.9	2.1	5.0	3.5	4.3	4.6	6.2	4.9	5.3	9.2	16.8	0.8		
19	6.0	3.4	5.3	4.8	6.1	4.5	5.5	5.4	2.7	8.4	12.7	5.5		
20	5.2	2.2	3.7	1.5	4.6	2.3	7.0	7.3	5.2	5.7	2.9	7.7		
21	2.6	3.6	2.7	2.9	4.8	2.7	7.4	6.4	4.7	7.5	3.7	5.7		
22	4.5	3.5	3.9	3.6	11.0	4.0	7.7	13.7	4.8	10.6	3.7	4.3		
23	5.3	7.0	4.3	4.8	3.6	5.1	6.4	6.0	5.4	9.3	6.0	5.2		
24	4.8	9.5	3.8	3.8	3.3	6.9	5.7	2.9	1.6	6.3	7.0	3.6		
25	8.0	9.4	7.5	4.7	1.9	4.1	5.0	3.7	1.4	7.6	5.5	5.1		
26	6.1	11.5	8.4	4.4	3.8	4.1	5.5	8.7	2.8	5.3	4.0	3.7		
27	5.7	8.6	9.2	2.6	5.0	3.8	5.8	6.2	5.8	9.6	5.2	2.5		
28	6.5	AT	9.5	1.2	3.5	6.9	5.6	6.0	2.1	8.0	1.5	1.8		
29	9.3		4.1	3.4	4.7	6.7	5.5	5.3	2.6	8.2	4.5	3.4		
30	8.2		3.8	2.4	8.7	3.8	4.6	4.7	4.7	4.5	3.6	6.3		
31	9.0		4.2		5.0		4.1	6.5		8.2		8.5		
1st quarter average	5.8			2nd quarter average		5.1		3rd quarter average			5.7		4th quarter average	7.2
# of valid samples	85			# of valid samples		91		# of valid samples			92		# of valid samples	92
% of samples collected	94.44%			% of samples collected		100.00%		% of samples collected			100.00%		% 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 2019 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
	shelter temperature out of range	AE
General maintenance	monitor is down for general maintenance activities or	BA
	filter exchanges for more than 1 hour	BA
	Building/Site repair	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	AT
	annual system calibrations or	AT
	QC Audit (ADEQ) for more than 1 hour	AZ

Annual Average (ug/m ³) minus high wind events	6.0
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Total # of 24 hr Exceedances	0
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Maximum Reading	19.7
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