

CASA GRANDE PM2.5 2020 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	5	0.6	4.5	5.1	8.1	11.3						
2	6.5	0.2	2.5	3.9	3.7	6	9.8						
3	6.8	3.6	AT	4.7	5	7.4	10						
4	7.3	1.1	AT	4	7.5	6.2	9.5						
5	6.9	3.5	AT	3.5	8.9	6.3	4.8						
6	6.7	4.1	AT	3.7	7.5	5.6	5.7						
7	4.5	6.3	3.3	3.8	5.2	4.9	5.7						
8	4	5.6	3.8	3.2	6.2	5.5	4.5						
9	4.6	2.9	3.7	2.3	6.5	5.6	AV						
10	4.1	3.4	3.7	4.1	5.3	6.9	9.9						
11	5.3	1.5	2.7	1	5.2	6.9	10.6						
12	4.6	1.3	3	2.2	6.3	6.7	13						
13	5.1	3	3.8	4.2	6.3	4.9	7.3						
14	5.5	6.2	3.9	5.7	6.3	2.6	6.2						
15	6.6	5.8	3.5	4.7	5.5	5	5.6						
16	3.3	4.6	4.9	4.5	5.5	3.2	3.5						
17	3	6.1	3.3	4.9	5.2	5.4	4.7						
18	6.1	6.5	2.1	3.7	5.5	6.5	5.7						
19	5.1	7.8	4.2	4.5	5.1	5.5	12.6						
20	2.3	7.6	5	6.3	4.3	4.1	9.9						
21	3.7	8.7	4.2	5.9	5.8	4.7	6.6						
22	5.3	1.1	4.5	6.6	5.1	5.4	6						
23	8.4	2.9	2.2	5.7	3.8	6.4	4.5						
24	10.7	4.5	2.2	6.3	5.2	7.4	4.8						
25	6.7	2.7	2.1	6.3	4	5.5	4.9						
26	6.8	-0.2	3.6	5.9	5.4	6.6	6						
27	3.9	1.9	4.2	5.5	8	5.8	6						
28	2.7	5.5	4.2	6.1	6.9	4	4.1						
29	2.2	2.5	3.8	7.3	8	13.2	5.1						
30	5.1		4.1	7.2	11.7	4.1	7.3						
31	4.1		5.6		6.5		6.8						
1st quarter average	4.5			2nd quarter average	5.6			3rd quarter average	7.1			4th quarter average	
# of valid samples	86			# of valid samples	91			# of valid samples	30			# of valid samples	0
% of samples collected	95.56%			% of samples collected	100.00%			% of samples collected	32.61%			% of samples collected	0.00%
# of 24 hr exceedances	0			# of 24 hr exceedances	0			# of 24 hr exceedances	0			# of 24 hr exceedances	0

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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 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	5.3
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Total # of 24 hr Exceedances	0
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Maximum Reading	20.0
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