Axis Real Estate Inspections

7457 Harwin Dr, Ste 364
Houston, TX 77036

John Smith

1234 Happy Ln, Fun City, TX 77777

Powered by Digital Environment

Property Summary report for: John Smith

1234 Happy Ln, Fun City, TX 77777

Owner: Amandeep (Andy) Punia (andypunia@axisinspections.net)

Creator: Amandeep (Andy) Punia (andypunia@axisinspections.net)

Sensors: Forms via Android/iOS, GPS via Android/iOS, Images via Android/iOS, Notes via Android/iOS, Pocket Particle AQI 2.0, BLE

Pocket Particle 2.0

Room	# of Meas. collected	PM2.5 Min (µg/m³)	PM2.5 Average (µg/m³)	PM2.5 Max (µg/m³)	PM10 Min (µg/m³)	PM10 Average (µg/m³)	PM10 Max (µg/m³)
Living Room	15	11.0	13.0	15.0	29.0	30.1	33.0
Drawing Room	6	9.0	9.7	10.0	20.0	20.0	20.0
Dinning Room	18	10.0	11.0	12.0	18.0	22.9	31.0
Kitchen	11	12.0	12.7	13.0	23.0	25.2	28.0
Master Bathroom	10	6.0	6.0	6.0	10.0	10.9	12.0
Study	8	10.0	10.4	12.0	21.0	24.5	27.0
Master Bedroom	10	6.0	7.4	10.0	9.0	11.0	20.0
Master Closet	10	6.0	6.6	7.0	10.0	10.9	13.0

Room	# of Meas. collected	VOC Min (ppb)	VOC Average (ppb)	VOC Max (ppb)	eCO2 Min (ppm)	eCO2 Average (ppm)	eCO2 Max (ppm)
Living Room	15	0.0	1.5	6.0	342.0	409.7	446.0
Drawing Room	6	0.0	5.3	13.0	400.0	438.7	491.0
Dinning Room	18	3.0	6.7	14.0	422.0	450.8	498.0
Kitchen	11	0.0	3.2	8.0	400.0	425.3	462.0
Master Bathroom	10	0.0	4.2	12.0	401.0	431.2	485.0
Study	8	3.0	7.5	10.0	424.0	455.6	472.0
Master Bedroom	10	0.0	1.4	9.0	400.0	411.7	462.0
Master Closet	10	1.0	5.5	20.0	411.0	442.3	536.0

Pocket Particle AQI 2.0, BLE

Particulate Matter: Reductions in airborne particulate matter has been shown to have a wide range of positive effects[1]. The toxicity of particulate matter depends on the type of particulate matter present, but elevated levels of particulates of all types have been associated with adverse health effects.

PM (µg/m³)	Level[2]	Meaning
0-50	Good	Air quality is considered satisfactory, and air pollution poses little or no risk.
50-100	Moderate	Air quality is acceptable.
100-150	Unhealthy For Sensitive Groups	Members of sensitive groups may experience health effects.
150-200	Unhealthy	Everyone may begin to experience health effects.
200-300	Very Unhealthy	Health alert: everyone may experience more serious health effects.
300-500	Hazardous	Health warnings of emergency conditions.

Volatile Organic Compounds: Total VOC concentration represents all VOCs in the air. Some types of VOCs like formaldehyde are very dangerous and should be monitored at lower levels. Below is guidance published by the German Federal Environmental Agency that allows for direct comparison to the AQI 2.0 readings.

VOC (ppb)	Level	Recommendation[3]	Exposure Limit
0-65	Background	No Action Required	No Limit
65-220	Normal	Ventilation Recommended	No Limit
220-660	Elevated	Ventilation Recommended, Look For Sources	< 12 months
660-2,200	High	Intensified Ventilation, Look For Sources	< 1 month
>2,200	Dangerous	Should Be Avoided, Intense Ventilation	Hours

Carbon Dioxide: Elevated levels of carbon dioxide can cause headache and fatigue, while very high concentrations can produce dizziness, nausea, and vomiting. Extremely high levels can cause loss of consciousness and even death.

CO_2 (ppm)	Level	Health Effect[4,5]
250-350	Background	Normal level for outdoor air
350-1,000	Normal	Typical concentrations found in indoor air
1,000-2,000	Elevated	Symptoms will begin to develop. Starts with drowsiness.
2,000-5,000	High	Headaches, sleepiness, poor concentration, increased heart rate, slight nausea
>5,000	Dangerous	Dizziness, fatigue, nausea, vomiting, loss of consciousness, death

[1] Fisk, W. J. (2013). Health benefits of particle filtration. *Indoor Air, 23*(5), 357-368. doi:10.1111/ina.12036
[2] https://www.airnow.gov/index.cfm?action=aqibasics.aqi#good
[3] http://www.innenraumanalytik.at/pdfs/handreichung.pdf
[4] https://www.dhs.wisconsin.gov/chemical/carbondioxide.htm
[5] https://ohsonline.com/articles/2016/04/01/carbon-dioxide-detection-and-indoor-air-quality-control.aspx?m=1

Room Summary report for: Living Room

1 st floor

Participants: Amandeep (Andy) Punia

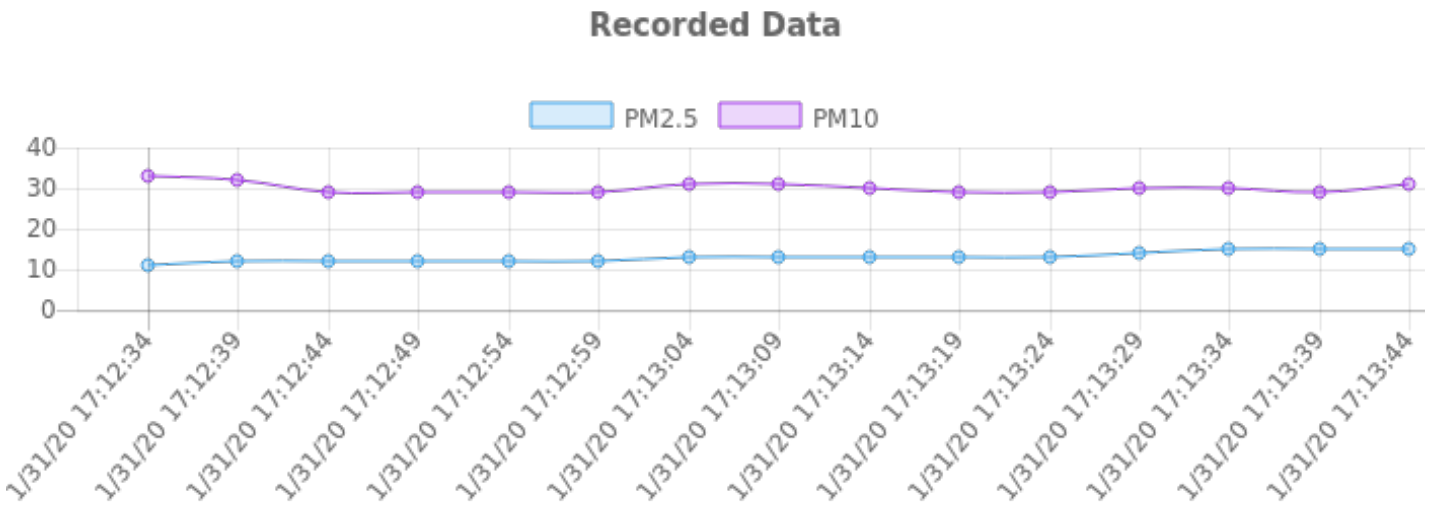
Sensors: Pocket Particle 2.0

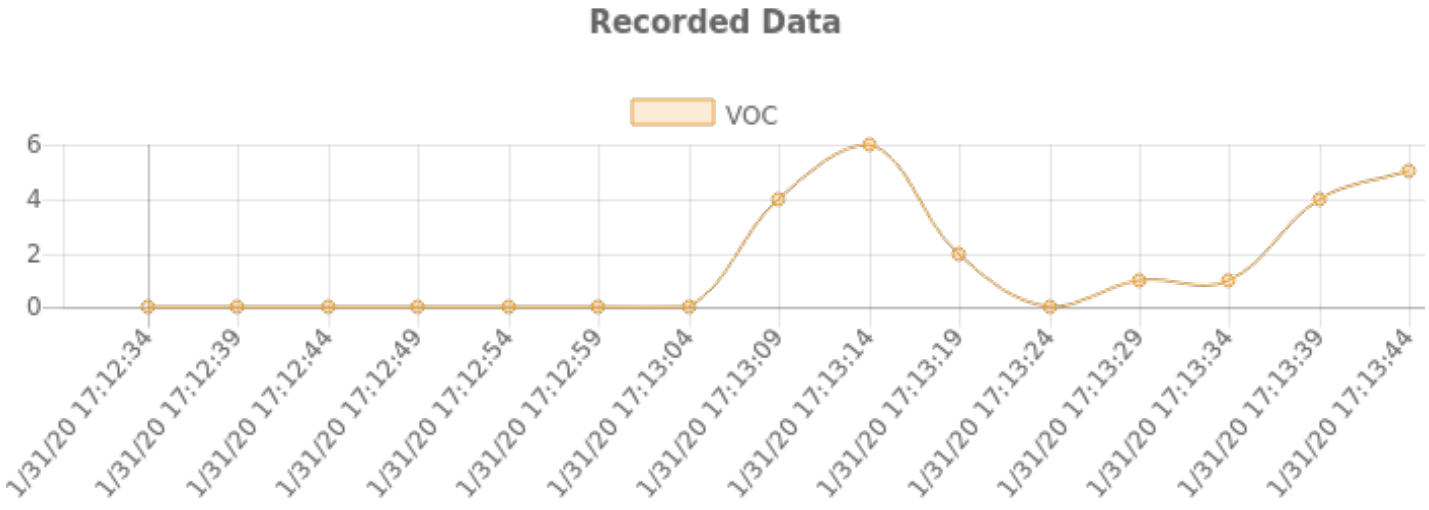
Last Updated: 1/31/2020 5:06 pm CST

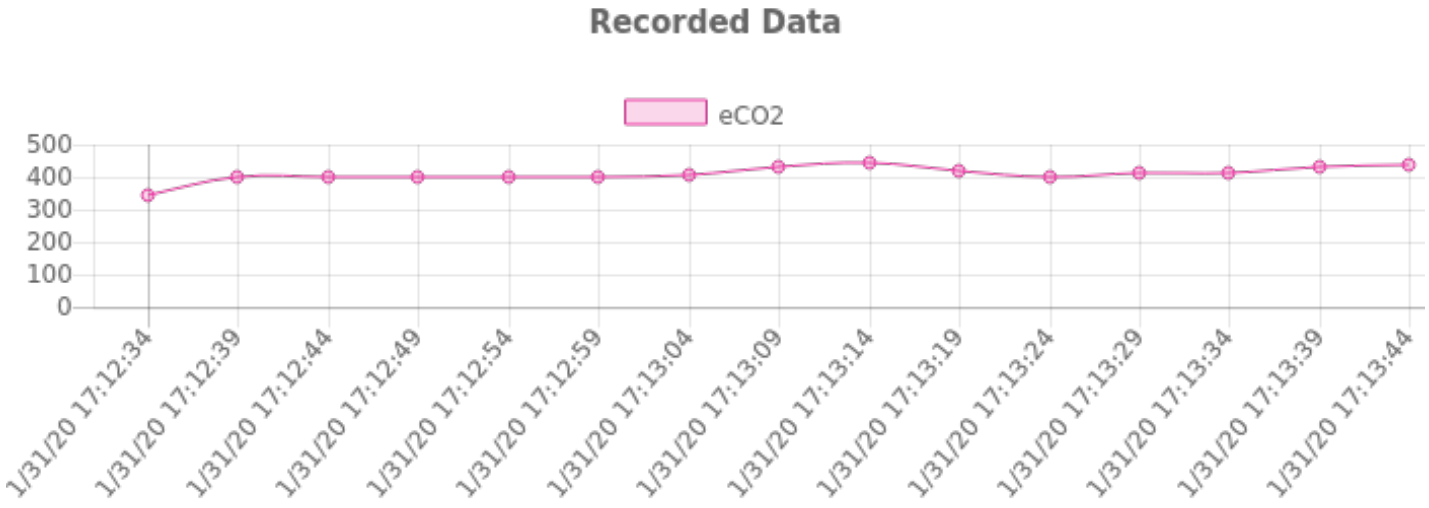
Location: 29.595135147934485, -95.67648842400341

PM2.5 Average	PM10 Average	VOC Average	eCO2 Average
13.0 (µg/m³)	30.1 (µg/m³)	1.5 (ppb)	409.7 (ppm)

Min	Max	Min	Max	Min	Max	Min	Max
11.0 (µg/m³)	15.0 (µg/m³)	29.0 (µg/m³)	33.0 (µg/m³)	0.0 (ppb)	6.0 (ppb)	342.0 (ppm)	446.0 (ppm)







Room Summary report for: Drawing Room

1st floor

Participants: Amandeep (Andy) Punia

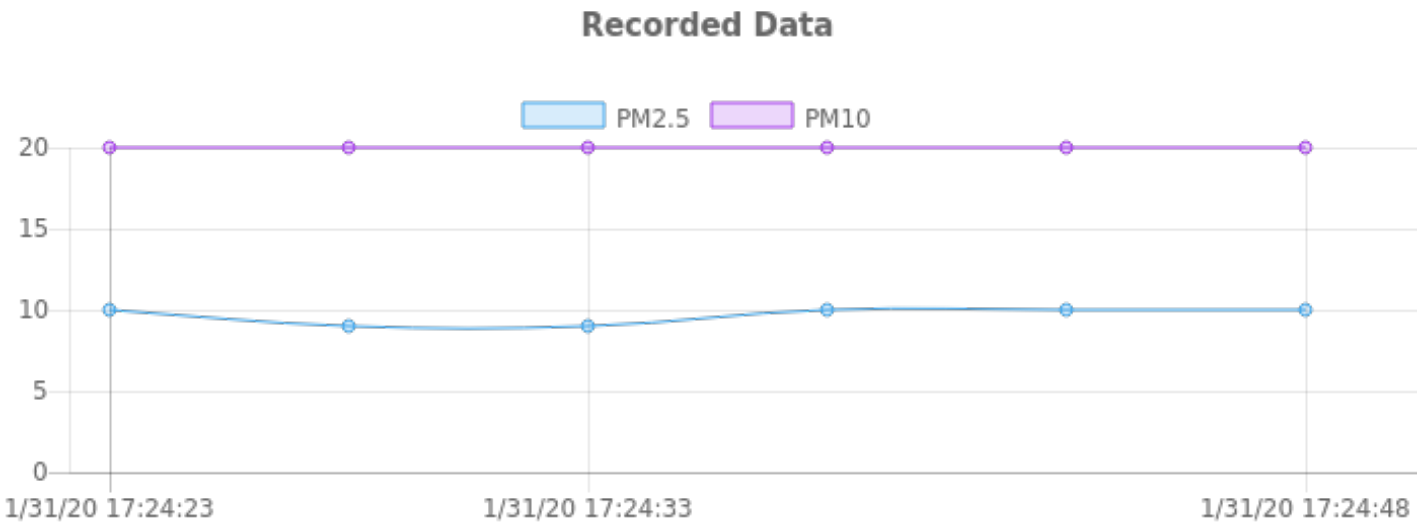
Sensors: Pocket Particle 2.0

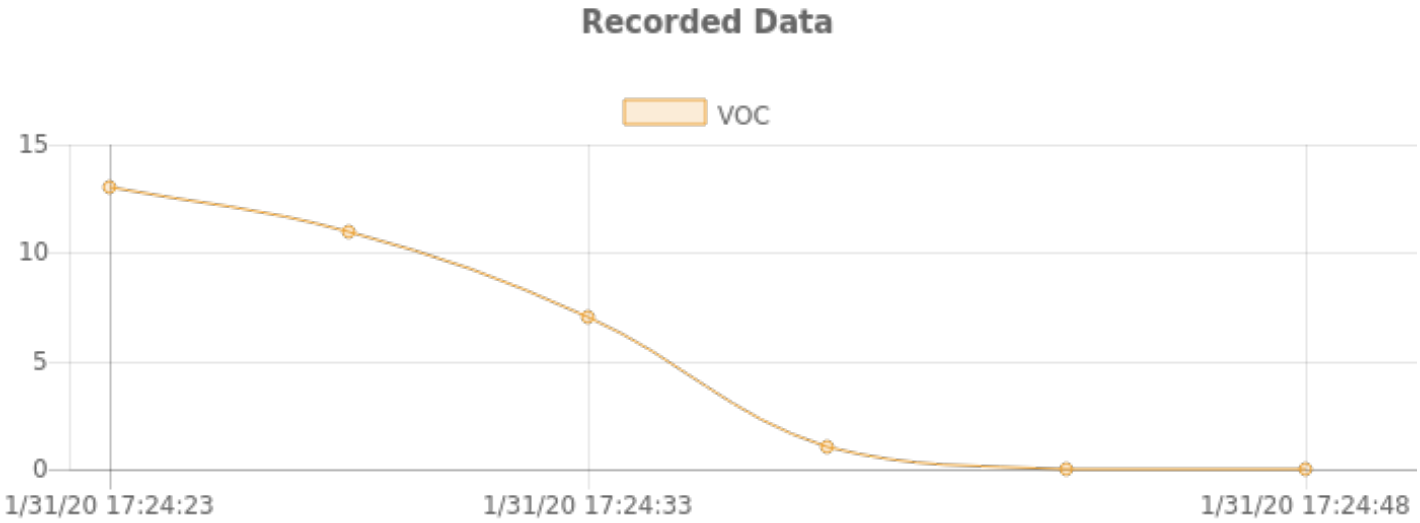
Last Updated: 1/31/2020 5:24 pm CST

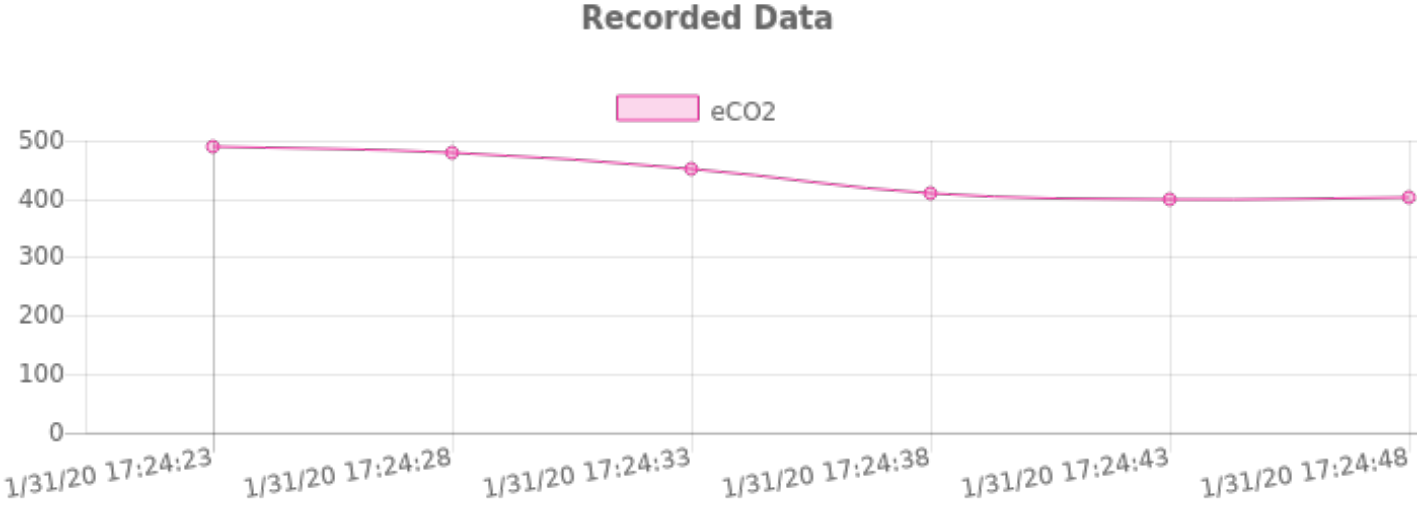
Location: 29.595361889384662, -95.67654233883303

PM2.5 Average	PM10 Average	VOC Average	eCO2 Average
9.7 (µg/m³)	20.0 (µg/m³)	5.3 (ppb)	438.7 (ppm)

Min	Max	Min	Max	Min	Max	Min	Max
9.0 (µg/m³)	10.0 (µg/m³)	20.0 (µg/m³)	20.0 (µg/m³)	0.0 (ppb)	13.0 (ppb)	400.0 (ppm)	491.0 (ppm)







Room Summary report for: Dinning Room

1st floor

Participants: Amandeep (Andy) Punia

Sensors: Pocket Particle 2.0

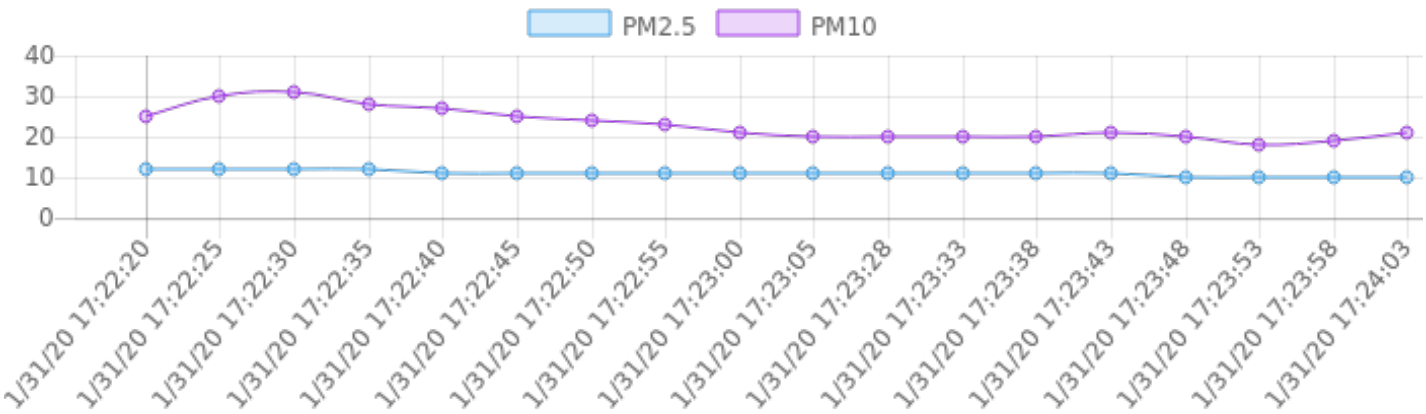
Last Updated: 1/31/2020 5:21 pm CST

Location: 29.59509387048941, -95.67660667790435

PM2.5 Average	PM10 Average	VOC Average	eCO2 Average
11.0 (µg/m³)	22.9 (µg/m³)	6.7 (ppb)	450.8 (ppm)

Min	Max	Min	Max	Min	Max	Min	Max
10.0 (µg/m³)	12.0 (µg/m³)	18.0 (µg/m³)	31.0 (µg/m³)	3.0 (ppb)	14.0 (ppb)	422.0 (ppm)	498.0 (ppm)

Recorded Data



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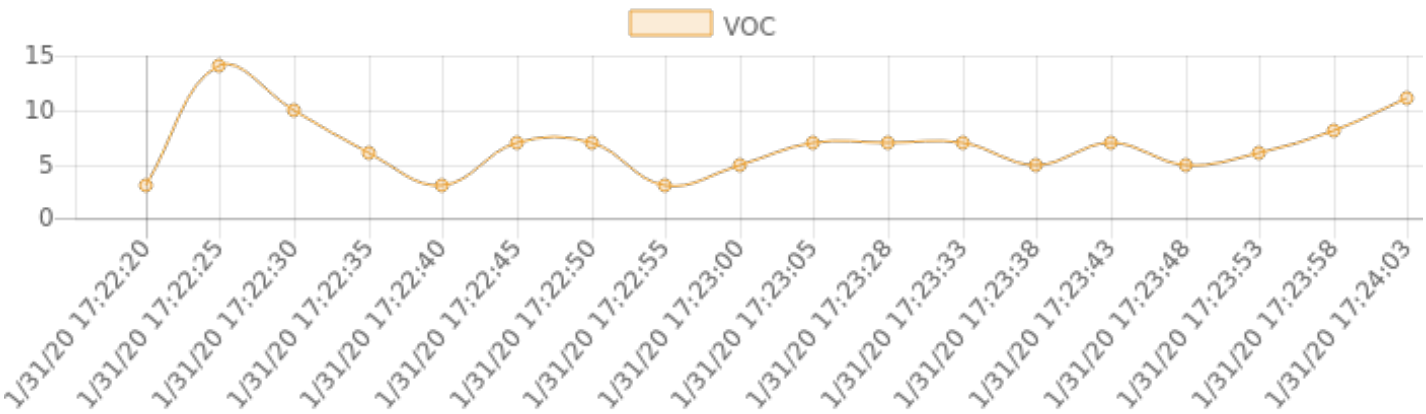

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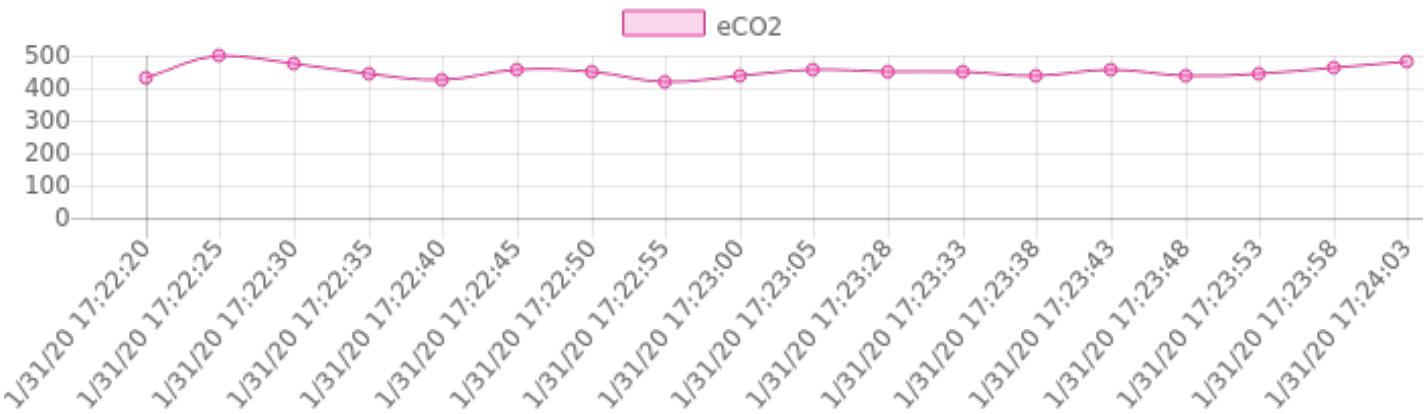


Room Summary report for: Kitchen

1st floor

Participants: Amandeep (Andy) Punia

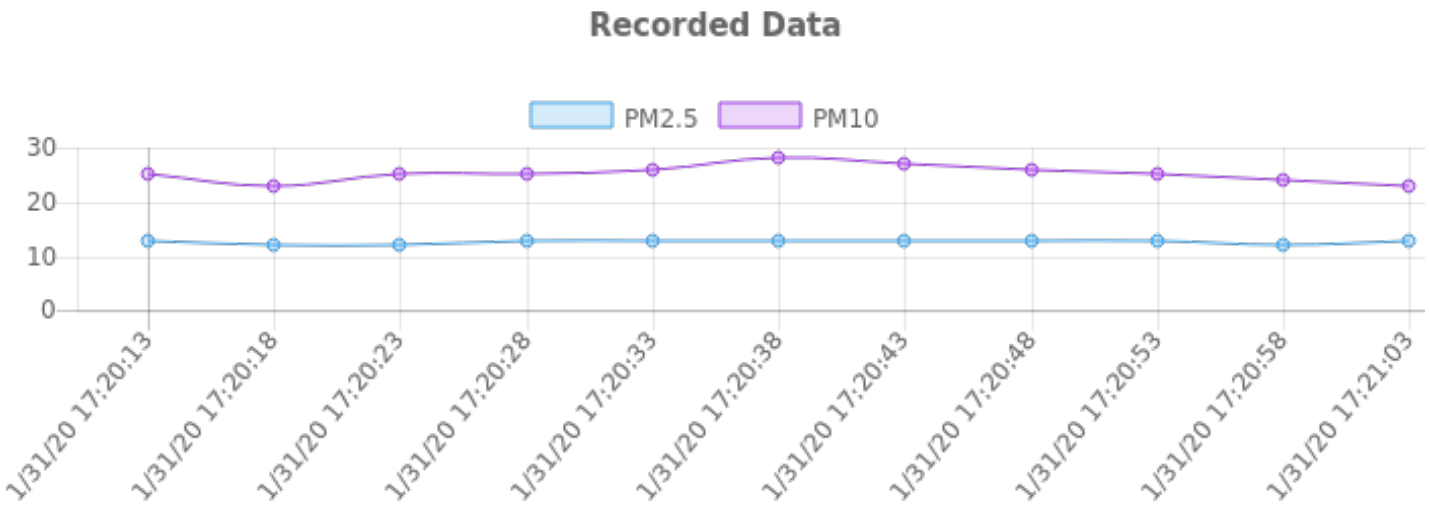
Sensors: Pocket Particle 2.0

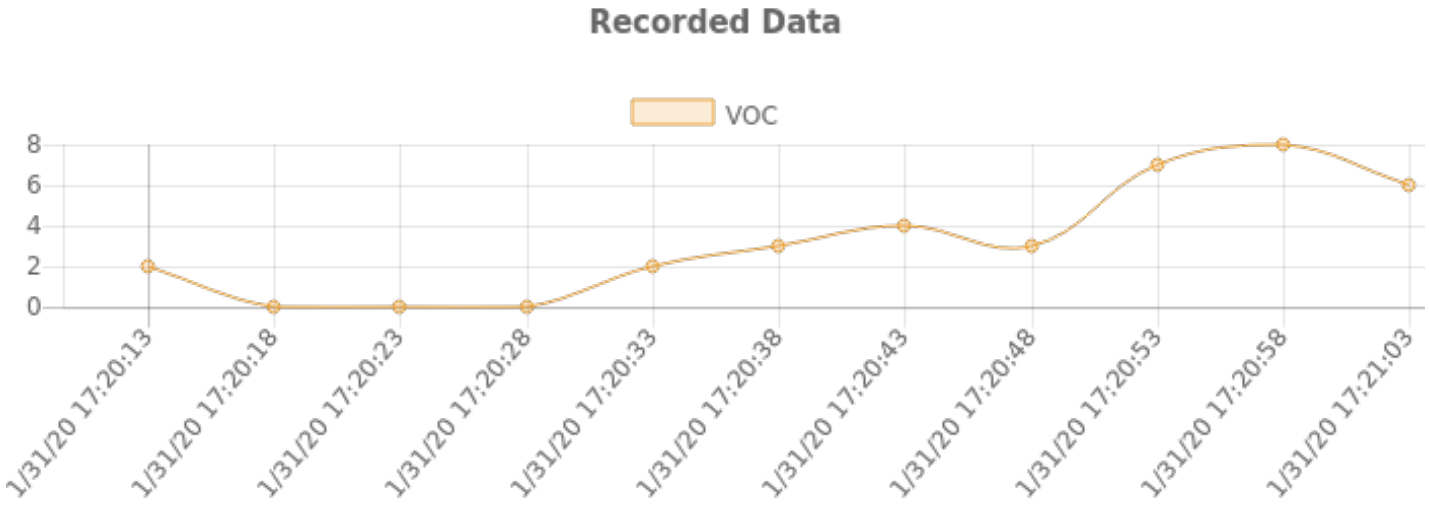
Last Updated: 1/31/2020 5:19 pm CST

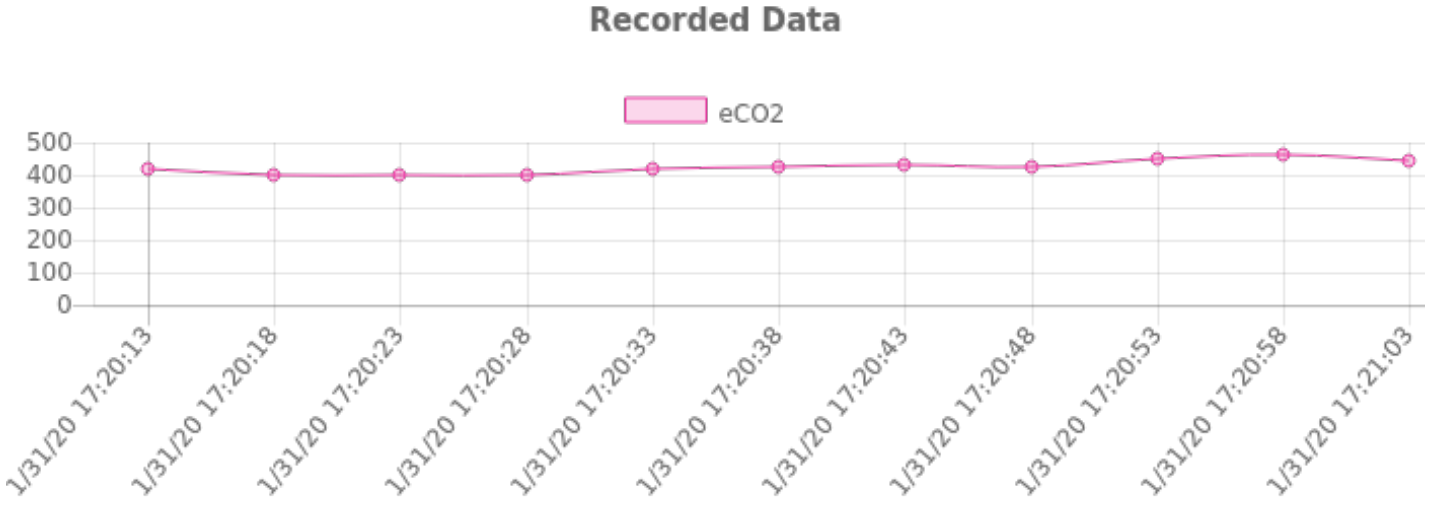
Location: 29.59523690262417, -95.67647653272557

PM2.5 Average	PM10 Average	VOC Average	eCO2 Average
12.7 (µg/m³)	25.2 (µg/m³)	3.2 (ppb)	425.3 (ppm)

Min	Max	Min	Max	Min	Max	Min	Max
12.0 (µg/m³)	13.0 (µg/m³)	23.0 (µg/m³)	28.0 (µg/m³)	0.0 (ppb)	8.0 (ppb)	400.0 (ppm)	462.0 (ppm)







Room Summary report for: Master Bathroom

1st floor

Participants: Amandeep (Andy) Punia

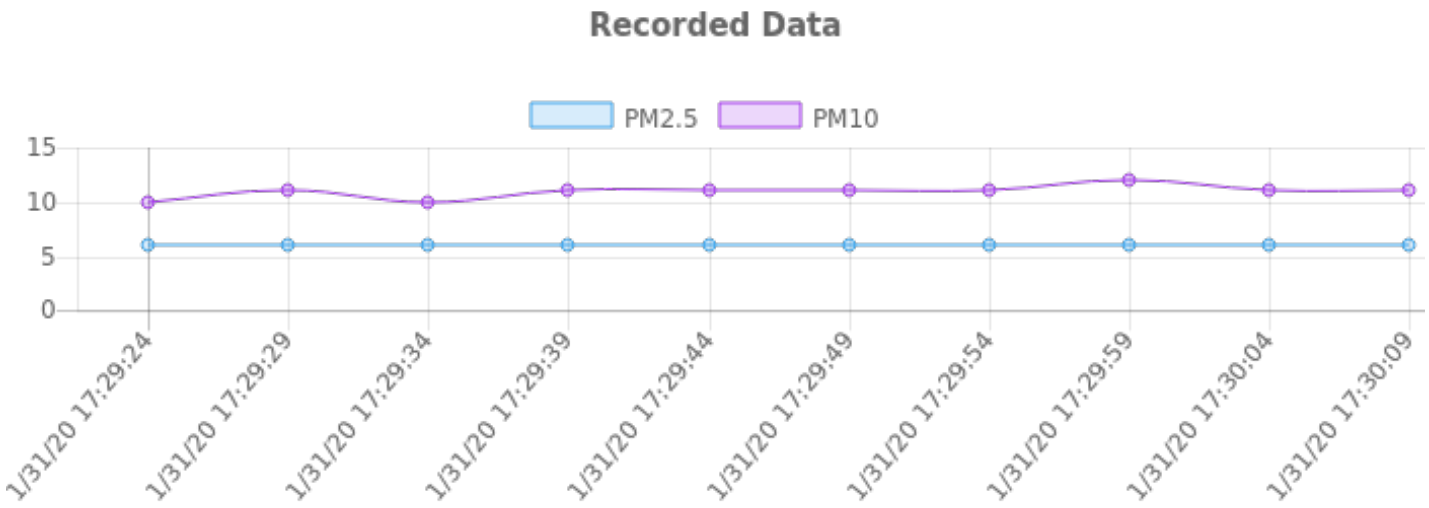
Sensors: Pocket Particle 2.0

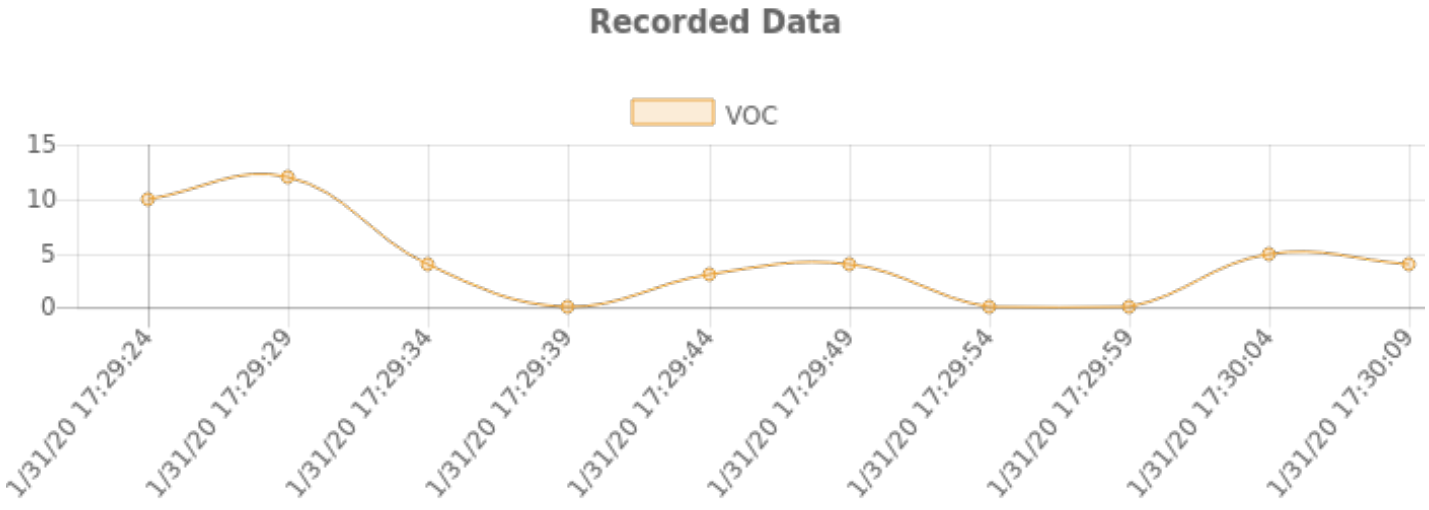
Last Updated: 1/31/2020 5:29 pm CST

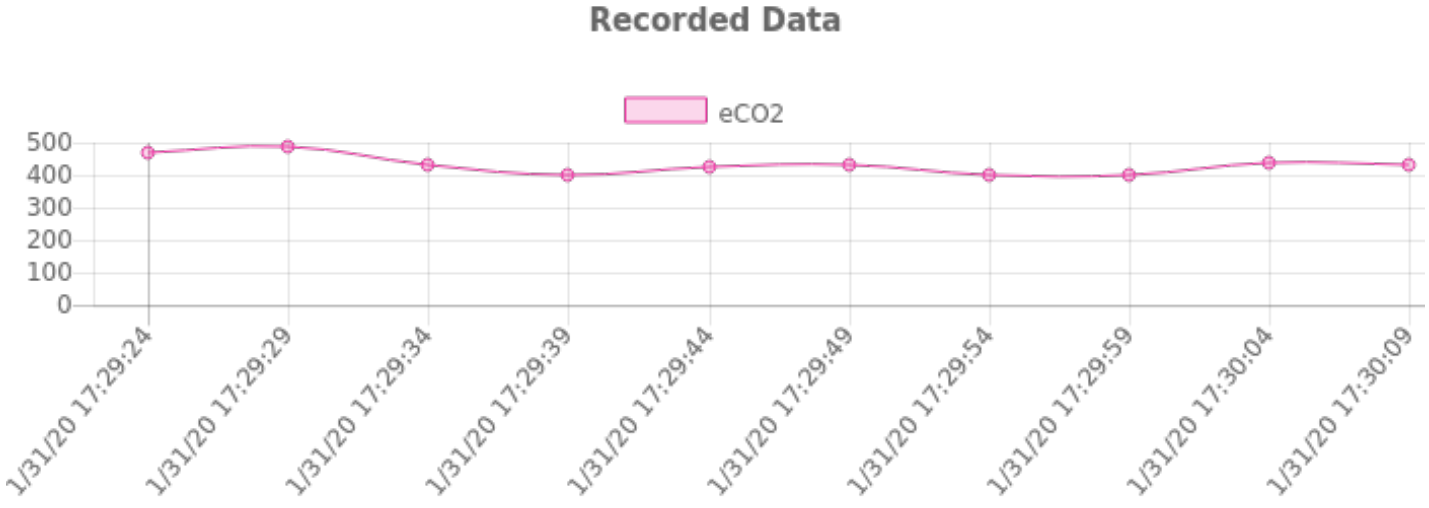
Location: 29.59501194210074, -95.67666470303666

PM2.5 Average	PM10 Average	VOC Average	eCO2 Average
6.0 (µg/m³)	10.9 (µg/m³)	4.2 (ppb)	431.2 (ppm)

Min	Max	Min	Max	Min	Max	Min	Max
6.0 (µg/m³)	6.0 (µg/m³)	10.0 (µg/m³)	12.0 (µg/m³)	0.0 (ppb)	12.0 (ppb)	401.0 (ppm)	485.0 (ppm)







Room Summary report for: Study

1st floor

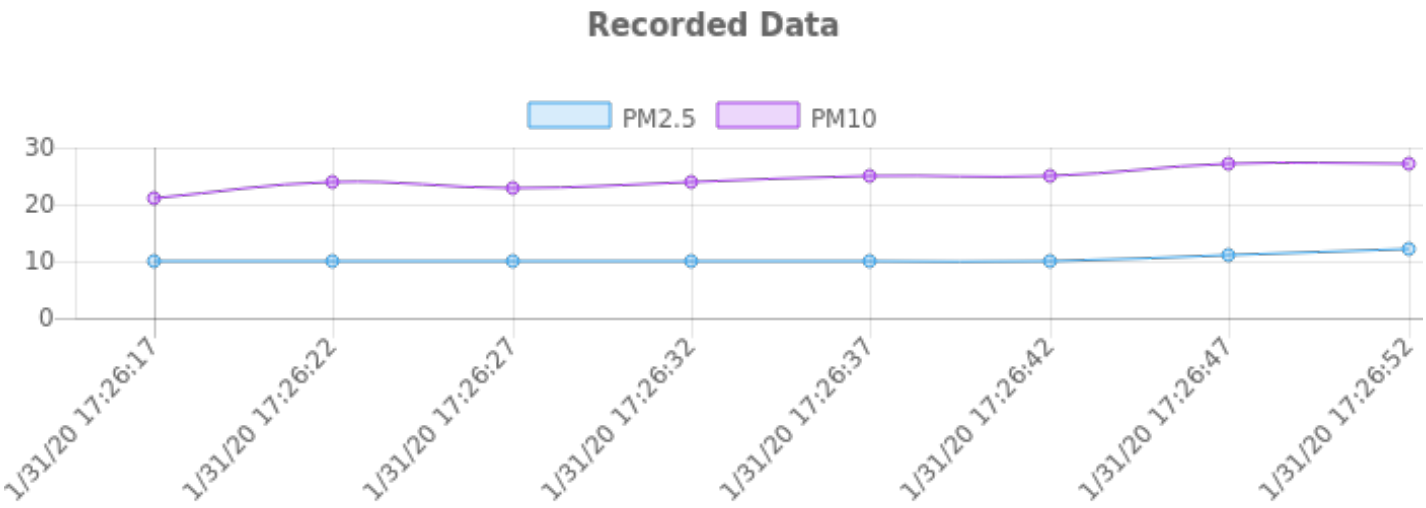
Participants: Amandeep (Andy) Punia

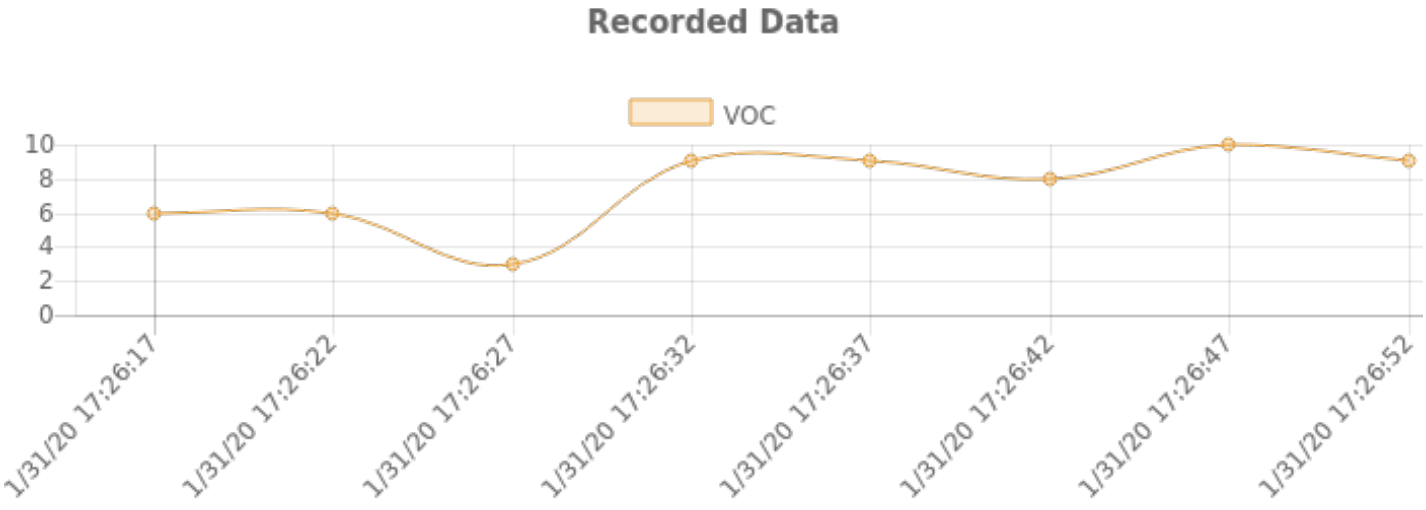
Sensors: Pocket Particle 2.0

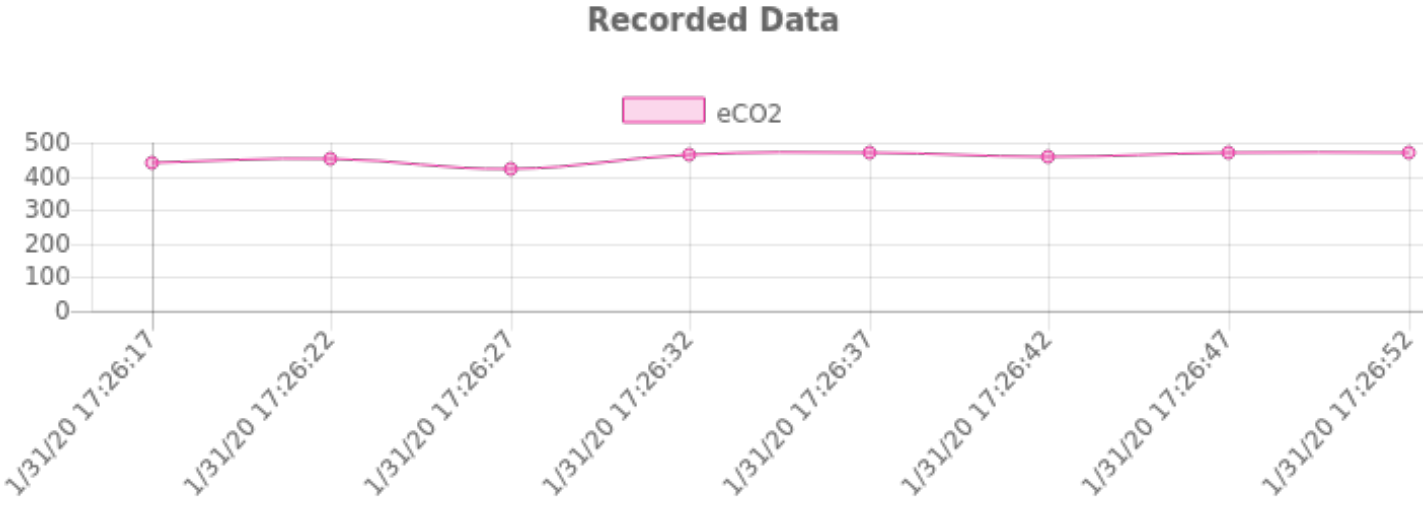
Last Updated: 1/31/2020 5:26 pm CST

PM2.5 Average	PM10 Average	VOC Average	eCO2 Average
10.4 (µg/m³)	24.5 (µg/m³)	7.5 (ppb)	455.6 (ppm)

Min	Max	Min	Max	Min	Max	Min	Max
10.0 (µg/m³)	12.0 (µg/m³)	21.0 (µg/m³)	27.0 (µg/m³)	3.0 (ppb)	10.0 (ppb)	424.0 (ppm)	472.0 (ppm)







Room Summary report for: Master Bedroom

1st floor

Participants: Amandeep (Andy) Punia

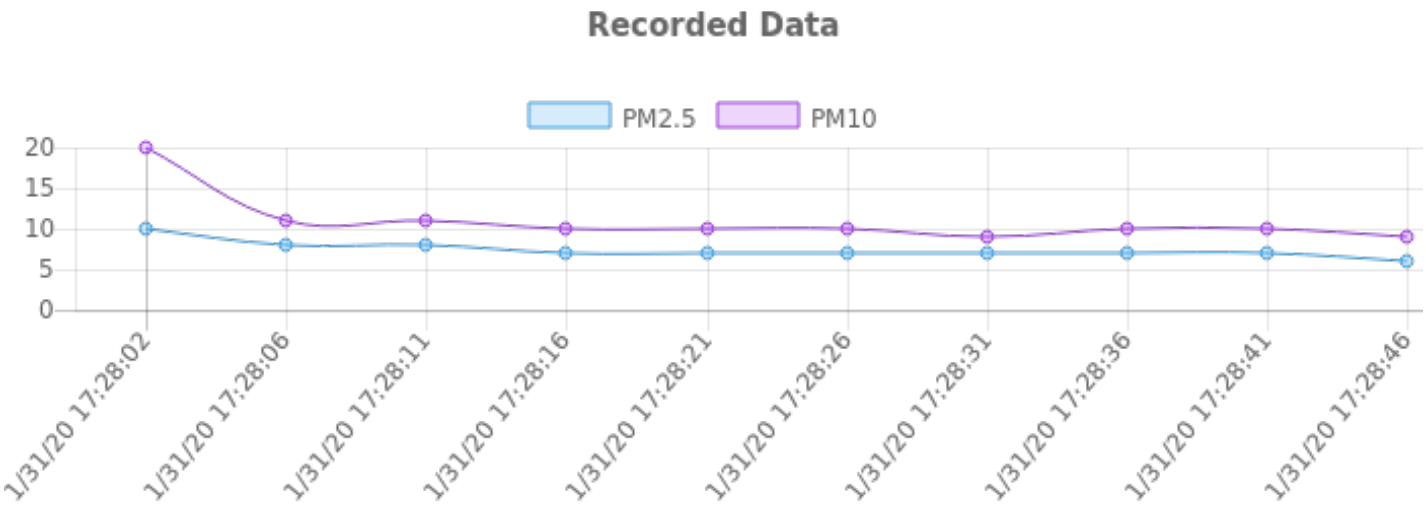
Sensors: Pocket Particle 2.0

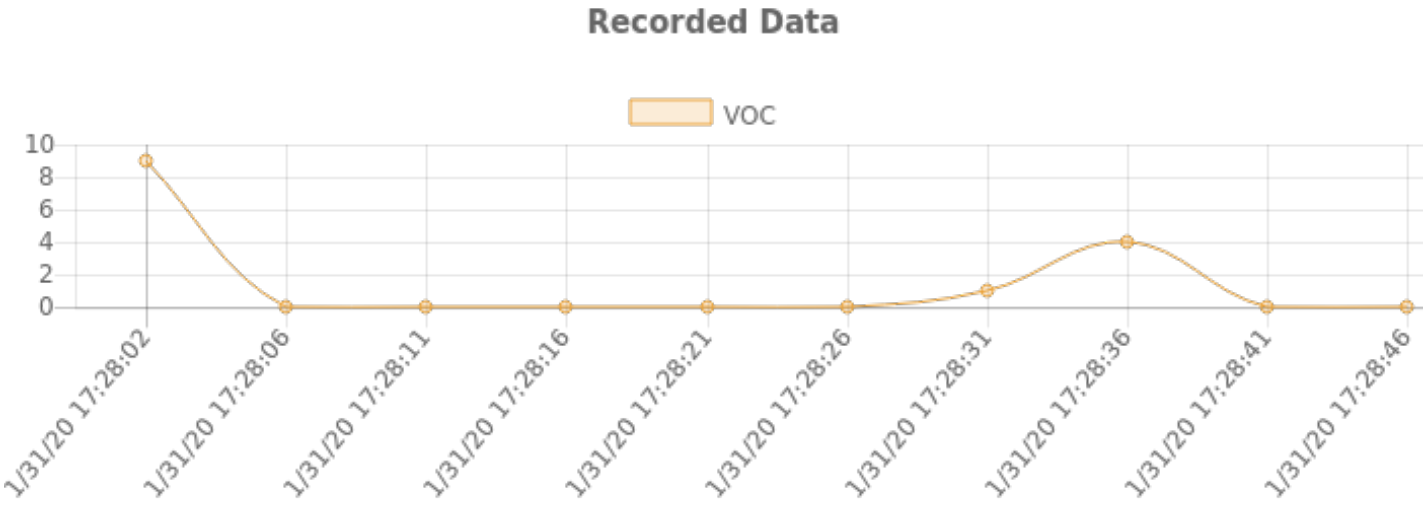
Last Updated: 1/31/2020 5:27 pm CST

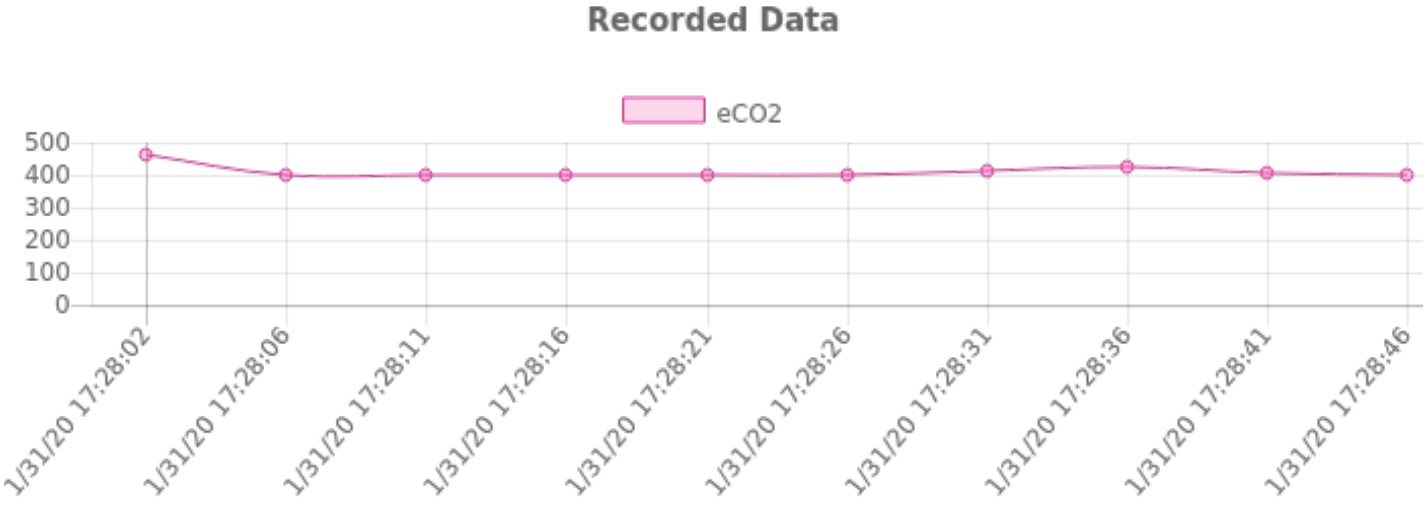
Location: 29.595317201651646, -95.67637106987202

PM2.5 Average	PM10 Average	VOC Average	eCO2 Average
7.4 (µg/m³)	11.0 (µg/m³)	1.4 (ppb)	411.7 (ppm)

Min	Max	Min	Max	Min	Max	Min	Max
6.0 (µg/m³)	10.0 (µg/m³)	9.0 (µg/m³)	20.0 (µg/m³)	0.0 (ppb)	9.0 (ppb)	400.0 (ppm)	462.0 (ppm)







Room Summary report for: Master Closet

1st floor

Participants: Amandeep (Andy) Punia

Sensors: Pocket Particle 2.0

Last Updated: 1/31/2020 5:30 pm CST

Location: 29.59518557508247, -95.67640229676485

PM2.5 Average	PM10 Average	VOC Average	eCO2 Average
6.6 (µg/m³)	10.9 (µg/m³)	5.5 (ppb)	442.3 (ppm)

Min	Max	Min	Max	Min	Max	Min	Max
6.0 (µg/m³)	7.0 (µg/m³)	10.0 (µg/m³)	13.0 (µg/m³)	1.0 (ppb)	20.0 (ppb)	411.0 (ppm)	536.0 (ppm)