



INFORME DE INSPECCIÓN DE CALIDAD DE AIRE. MEDICIÓN DE PARTÍCULAS SUSPENDIDAS PM10

PROYECTO: "PARQUE EÓLICO LA PATRONA"

FECHA: 27 DE MAYO DE 2020

TIPO DE PROYECTO: PARQUE EÓLICO

CLASIFICACIÓN: INSPECCIÓN DE CALIDAD DE AIRE DE
PARTÍCULAS SUSPENDIDAS

IDENTIFICACIÓN DEL INFORME: 20-23-53-AL-02-LMA-V1



APROBADO POR:
ING. INDUSTRIAL ALIS SAMANIEGO

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1. INFORMACIÓN GENERAL

1.1 Tipo de Servicio:

INSPECCIÓN DE CALIDAD DE AIRE AMBIENTAL – Medición de partículas suspendidas PM10.

1.2 Identificación de la aprobación del Servicio: 20-53-AL-02-LMA-V1

1.3 Datos Generales de la Empresa

Nombre del Proyecto	PARQUE EÓLICO LA PATRONA		
Fecha de la Inspección	27 DE MAYO DE 2020.		
Contacto en Proyecto:	ING. ABDIEL GAITÁN		
Teléfono de contacto:	66741149		
Localización del proyecto:	Distrito de Olá, Provincia de Coclé		
Coordenadas:	Punto1	938985	543232
	Punto2	938804	543106
	Punto3	938823	542916
	Punto4	938705	543034
	Punto5	938809	542705
	Punto6	938745	542605
	Punto7	938599	542868
	Punto8	938488	543090
	Punto9	938269	543270
	Punto10	937934	543495
	Punto11	938048	543846
	Punto12	938110	544102

1.4 Descripción del trabajo de Inspección

Se realizó la Inspección de Calidad de Aire Ambiental Partículas suspendidas PM10 en la finca La Patrona, comunidad de Los Valles, distrito de Olá, Provincia Coclé, el día 27 del mes de mayo del año 2020, a partir de las 8:30am hasta las 11:30 pm.

Las condiciones ambientales registradas durante la medición corresponden a los valores:

Temperatura: 27°C- 24°C

Presión Barométrica: 1010 hPa

Velocidad del Viento: 1.9 km/h – 6 km/h

Humedad Relativa: 82.1 % RH

La descripción cualitativa durante la medición corresponde: Día nublado, se considera de acuerdo a lo informado y era visible; en los días anteriores a la medición, en el área se había dado fuertes precipitaciones de lluvia, todo el terreno estaba húmedo.

Tipo de suelo: arcilloso, Vegetación: matorrales, camino, grama (vegetación variable, los puntos de medición se tomaron lejos de posibles aportes de partículas por vegetación).

2. Método

De acuerdo a la Medición en tiempo real, con memoria de almacenaje de datos (Datalogger).

UNE-EN 16450:2017 Sistemas automáticos de medida para la medición de la concentración de materia particulada PM 10.

3. Norma Aplicable

Guía sobre el medio ambiente, salud y seguridad Banco Mundial

TABLA 1.1.1: Guía de calidad del aire ambiente de OMS

PARÁMETRO	PERIODO PROMEDIO	VALOR GUÍA ($\mu\text{g}/\text{m}^3$)
Materia particulada PM10	1 año	70 (límite provisional -1)
		50(límite provisional -2)
		30 (límite provisional -3)
		20 (Guía)
	24 -horas	150(Límite provisional-1)
		100(límite provisional -2)
		75 (limite provisional-3)
		50 (Guía)

4. IDENTIFICACIÓN DEL EQUIPO

MEDIDOR DE PARTÍCULAS PM 10 Y PM 2.5	
Instrumento utilizado	Guardian 2 /Casella 247
Marca del equipo	Casella
Fecha de calibración	6 de marzo de 2020

5. Datos de la Medición:

Las mediciones se realizaron en el horario diurno utilizando el **Medidor de partículas Guardian 2**, calibrado, Tomando lecturas automáticas de 1 minuto, 5 minutos, 15 minutos y 1 hora, grafica de resultados en el procesador automático de datos, descargados directamente del servidor CASELLA 247.

6. Resultados de la Inspección

6.1 TABLA DE RESULTADOS

Time

Data point1	PM10 1min Average ($\mu\text{g}/\text{m}^3$)	PM10 5min Average ($\mu\text{g}/\text{m}^3$)	PM10 15min Average ($\mu\text{g}/\text{m}^3$)	PM10 1hour Average ($\mu\text{g}/\text{m}^3$)
05/27/2020 8:29	1.5	2.1	1.8	3.2
05/27/2020 8:30	3.2	2.1	1.9	3.2
05/27/2020 8:31	2	2.2	2	3.1
05/27/2020 8:32	5.9	3.1	2.3	3.2
05/27/2020 8:33	2.7	3	2.3	3.1
05/27/2020 8:34	3.3	3.4	2.3	3.1
05/27/2020 8:35	3.3	3.4	2.4	3.1
05/27/2020 8:36	5	4	2.7	3.1
05/27/2020 8:37	1.9	3.2	2.7	3.1
05/27/2020 8:38	2.1	3.1	2.8	3.1
05/27/2020 8:39	5.6	3.6	3	3.1
05/27/2020 8:40	4	3.7	3.1	3.1
05/27/2020 8:41	2.6	3.2	3.1	3.1
05/27/2020 8:42	2.5	3.3	3.2	3.1
05/27/2020 8:43	6.2	4.2	3.4	3.1

05/27/2020 8:44	3.3	3.7	3.5	3.1
05/27/2020 8:45	3.6	3.6	3.6	3.1
05/27/2020 8:46	3	3.7	3.6	3.1
05/27/2020 8:47	3.8	4	3.5	3
05/27/2020 8:48	4.9	3.7	3.6	3
05/27/2020 8:49	4	3.8	3.7	3
05/27/2020 8:50	6.4	4.4	3.9	3
05/27/2020 8:51	4.2	4.6	3.8	3
05/27/2020 8:52	4.6	4.8	4	2.9
05/27/2020 8:53	2.3	4.3	4	2.9
05/27/2020 8:54	3	4.1	3.9	2.8
05/27/2020 8:55	5.2	3.8	3.9	2.9
05/27/2020 8:56	2.9	3.6	4	2.8
05/27/2020 8:57	2.2	3.1	3.9	2.8
05/27/2020 8:58	2.8	3.2	3.7	2.8
05/27/2020 8:59	6.1	3.8	3.9	2.9
05/27/2020 9:00	2.5	3.3	3.8	2.9
05/27/2020 9:01	2.4	3.2	3.8	2.9
05/27/2020 9:02	4.7	3.7	3.9	2.9
05/27/2020 9:03	2.7	3.7	3.7	2.9
05/27/2020 9:04	4.7	3.4	3.8	2.9
05/27/2020 9:05	3.2	3.5	3.5	3
05/27/2020 9:06	4.5	3.9	3.6	3
05/27/2020 9:07	2.8	3.6	3.4	3
05/27/2020 9:08	1.8	3.4	3.4	3
05/27/2020 9:09	3.6	3.2	3.5	3
05/27/2020 9:10	1.6	2.9	3.2	3
05/27/2020 9:11	3.3	2.6	3.2	3
05/27/2020 9:12	2.2	2.5	3.2	3
05/27/2020 9:13	3.4	2.8	3.3	3.1
05/27/2020 9:14	2.9	2.7	3.1	3.1
05/27/2020 9:15	2.4	2.8	3.1	3.1
05/27/2020 9:16	2.7	2.7	3.1	3.1
05/27/2020 9:17	5.5	3.4	3.1	3.2
05/27/2020 9:18	3.5	3.4	3.2	3.2
05/27/2020 9:19	2.1	3.2	3	3.2
05/27/2020 9:20	4.1	3.6	3.1	3.2
05/27/2020 9:21	6	4.2	3.2	3.3
05/27/2020 9:22	2.9	3.7	3.2	3.3
05/27/2020 9:23	6.3	4.3	3.5	3.4
05/27/2020 9:24	3.1	4.5	3.5	3.4
05/27/2020 9:25	1.9	4	3.5	3.4
05/27/2020 9:26	4.2	3.7	3.5	3.5

05/27/2020 9:27	5.5	4.2	3.8	3.5
05/27/2020 9:28	3.5	3.6	3.8	3.5
05/27/2020 9:29	2.6	3.5	3.7	3.6
05/27/2020 9:30	4	4	3.8	3.6
05/27/2020 9:31	6.3	4.4	4.1	3.7
05/27/2020 9:32				
05/27/2020 9:33				
05/27/2020 9:34				
05/27/2020 9:35				
05/27/2020 9:36				
05/27/2020 9:37				
05/27/2020 9:38				
05/27/2020 9:39				
05/27/2020 9:40				
05/27/2020 9:41				
05/27/2020 9:42				
05/27/2020 9:43				
05/27/2020 9:44	Data point2			

	PM10 1min Average ($\mu\text{g}/\text{m}^3$)	PM10 5min Average ($\mu\text{g}/\text{m}^3$)	PM10 15min Average ($\mu\text{g}/\text{m}^3$)	PM10 1hour Average ($\mu\text{g}/\text{m}^3$)
05/27/2020 9:45				
05/27/2020 9:46	2	2.6	3	3.5
05/27/2020 9:47	3.2	2.8	3	3.5
05/27/2020 9:48	2.2	2.8	2.9	3.4
05/27/2020 9:49	2.4	2.7	2.8	3.4
05/27/2020 9:50	1.9	2.3	2.8	3.3
05/27/2020 9:51	2.6	2.4	2.6	3.3
05/27/2020 9:52	7.1	3.2	3	3.3
05/27/2020 9:53	2.3	3.2	2.9	3.3
05/27/2020 9:54	2.9	3.3	2.8	3.3
05/27/2020 9:55	2.2	3.4	2.8	3.3
05/27/2020 9:56	3.6	3.6	2.9	3.3
05/27/2020 9:57	3.3	2.8	2.9	3.3
05/27/2020 9:58	3.5	3.1	3	3.3
05/27/2020 9:59	3.3	3.2	3.1	3.3
05/27/2020 10:00	3.6	3.4	3	3.3
05/27/2020 10:01	3.8	3.5	3.2	3.3
05/27/2020 10:02	2.5	3.3	3.1	3.3
05/27/2020 10:03	5.5	3.7	3.3	3.3
05/27/2020 10:04	2.7	3.6	3.4	3.3
05/27/2020 10:05	2.7	3.4	3.4	3.3
05/27/2020 10:06	1.7	3	3.4	3.3
05/27/2020 10:07	2.3	3	3	3.2

05/27/2020 10:08	3.1	2.5	3.1	3.3
05/27/2020 10:09	3.1	2.6	3.1	3.3
05/27/2020 10:10	2.3	2.5	3.1	3.3
05/27/2020 10:11	2.9	2.7	3.1	3.3
05/27/2020 10:12	3.3	2.9	3.1	3.3
05/27/2020 10:13	2.7	2.8	3	3.3
05/27/2020 10:14	3.3	2.9	3	3.3
05/27/2020 10:15	4.5	3.3	3.1	3.3
05/27/2020 10:16	2.6	3.3	3	3.3
05/27/2020 10:17	4.5	3.5	3.1	3.3
05/27/2020 10:18	1.6	3.3	2.9	3.3
05/27/2020 10:19	3.5	3.3	2.9	3.3
05/27/2020 10:20	1.9	2.8	2.9	3.2
05/27/2020 10:21	2.5	2.8	2.9	3.2
05/27/2020 10:22	3.7	2.6	3	3.2
05/27/2020 10:23	2.4	2.8	3	3.1
05/27/2020 10:24	3.9	2.9	3	3.1
05/27/2020 10:25	2.6	3	3	3.2
05/27/2020 10:26	2.8	3.1	3	3.1
05/27/2020 10:27	3.6	3	3	3.1
05/27/2020 10:28	1.7	2.9	3	3.1
05/27/2020 10:29	2.5	2.6	2.9	3.1
05/27/2020 10:30	1.9	2.5	2.8	3
05/27/2020 10:31	2.2	2.4	2.7	3
05/27/2020 10:32	2.6	2.2	2.6	3
05/27/2020 10:33	3.2	2.5	2.7	3
05/27/2020 10:34	2.5	2.5	2.6	2.9
05/27/2020 10:35	2.2	2.5	2.7	2.9
05/27/2020 10:36	2.1	2.5	2.6	2.9
05/27/2020 10:37	1.7	2.3	2.5	2.9
05/27/2020 10:38	3.9	2.4	2.6	2.9
05/27/2020 10:39	5.5	3	2.7	2.9
05/27/2020 10:40	4.2	3.4	2.8	2.9
05/27/2020 10:41	5.1	4	3	3
05/27/2020 10:42	1.4	4	2.8	3
05/27/2020 10:43	2	3.6	2.8	3
05/27/2020 10:44	1.7	2.9	2.8	2.9
05/27/2020 10:45				
05/27/2020 10:46				
05/27/2020 10:47				
05/27/2020 10:48				
05/27/2020 10:49				
05/27/2020 10:50				

05/27/2020 10:51
05/27/2020 10:52
05/27/2020 10:53
05/27/2020 10:54
05/27/2020 10:55
05/27/2020 10:56
05/27/2020 10:57
05/27/2020 10:58 Data point3

	PM10 1min Average ($\mu\text{g}/\text{m}^3$)	PM10 5min Average ($\mu\text{g}/\text{m}^3$)	PM10 15min Average ($\mu\text{g}/\text{m}^3$)	PM10 1hour Average ($\mu\text{g}/\text{m}^3$)
05/27/2020 10:59				
05/27/2020 11:00	4.7	4.2	3.2	3
05/27/2020 11:01	2.6	4.3	3.2	3
05/27/2020 11:02	2.1	3.8	3.2	3
05/27/2020 11:03	2.1	3.6	3.1	2.9
05/27/2020 11:04	2.7	2.8	3.1	2.9
05/27/2020 11:05	2.9	2.5	3.2	2.9
05/27/2020 11:06	2.8	2.5	3.2	2.9
05/27/2020 11:07	3.7	2.8	3.3	2.9
05/27/2020 11:08	3.1	3	3.2	2.9
05/27/2020 11:09	3.3	3.1	3.3	2.9
05/27/2020 11:10	3.1	3.2	3.3	3
05/27/2020 11:11	5.2	3.7	3.5	3
05/27/2020 11:12	1.6	3.2	3.3	3
05/27/2020 11:13	1.8	3	3.2	2.9
05/27/2020 11:14	2.7	2.9	2.9	2.9
05/27/2020 11:15	3.2	2.9	2.8	2.9
05/27/2020 11:16	2.4	2.3	2.8	2.9
05/27/2020 11:17	4.2	2.8	3	2.9
05/27/2020 11:18	3.6	3.2	3.1	2.9
05/27/2020 11:19	5.1	3.7	3.2	3
05/27/2020 11:20	3	3.7	3.2	3
05/27/2020 11:21	9.7	5.1	3.7	3.1
05/27/2020 11:22	10.4	6.4	4.1	3.2
05/27/2020 11:23	17.3	9.1	5.1	3.5
05/27/2020 11:24	20.9	12.2	6.3	3.8
05/27/2020 11:25	11.5	13.9	6.8	3.9
05/27/2020 11:26	9.5	13.9	7.1	4
05/27/2020 11:27	16.7	15.1	8.1	4.2
05/27/2020 11:28	13.2	14.3	8.9	4.4
05/27/2020 11:29	8.1	11.8	9.2	4.5
05/27/2020 11:30	11.4	11.7	9.8	4.7
05/27/2020 11:31	17.3	13.3	10.8	4.9

05/27/2020 11:32	7.6	11.5	11	5
05/27/2020 11:33	4.7	9.8	11.1	5
05/27/2020 11:34	5.8	9.3	11.1	5.1
05/27/2020 11:35	8.1	8.7	11.4	5.2
05/27/2020 11:36	6.3	6.5	11.2	5.3
05/27/2020 11:37	3.7	5.7	10.8	5.3
05/27/2020 11:38	4.5	5.6	9.9	5.3
05/27/2020 11:39	5.3	5.6	8.9	5.3
05/27/2020 11:40	3.7	4.7	8.4	5.3
05/27/2020 11:41	4.9	4.4	8	5.3
05/27/2020 11:42	2.2	4.1	7.1	5.3
05/27/2020 11:43	3.8	4	6.5	5.3
05/27/2020 11:44	2.5	3.4	6.1	5.3
05/27/2020 11:45	4.6	3.6	5.6	5.4
05/27/2020 11:46	4.5	3.5	4.8	5.4
05/27/2020 11:47	2.8	3.6	4.5	5.4
05/27/2020 11:48	3.1	3.5	4.4	5.4
05/27/2020 11:49	2.5	3.5	4.1	5.4
05/27/2020 11:50	2	3	3.7	5.4
05/27/2020 11:51	2.5	2.6	3.5	5.4
05/27/2020 11:52	3.2	2.6	3.4	5.4
05/27/2020 11:53	1.9	2.4	3.3	5.4
05/27/2020 11:54	2.3	2.4	3.1	5.4
05/27/2020 11:55	2.3	2.4	3	5.4
05/27/2020 11:56	2.9	2.5	2.8	5.4
05/27/2020 11:57	3.4	2.5	2.9	5.3
05/27/2020 11:58	1.9	2.5	2.8	5.3
05/27/2020 11:59	4.8	3	3	5.3
05/27/2020 12:00	1.8	2.9	2.8	5.3
05/27/2020 12:01	3.9	3.1	2.7	5.3
05/27/2020 12:02	2.9	3	2.7	5.3
05/27/2020 12:03	2.2	3.1	2.7	5.3
05/27/2020 12:04				
05/27/2020 12:05				
05/27/2020 12:06				
05/27/2020 12:07				
05/27/2020 12:08				
05/27/2020 12:09				
05/27/2020 12:10				
05/27/2020 12:11				
05/27/2020 12:12				
05/27/2020 12:13				
05/27/2020 12:14	Data point4			

	PM10 1min Average ($\mu\text{g}/\text{m}^3$)	PM10 5min Average ($\mu\text{g}/\text{m}^3$)	PM10 15min Average ($\mu\text{g}/\text{m}^3$)	PM10 1hour Average ($\mu\text{g}/\text{m}^3$)
05/27/2020 12:15				
05/27/2020 12:16	2.7	2.9		
05/27/2020 12:17	9.2	4		
05/27/2020 12:18	8	6.9		
05/27/2020 12:19	3.3	5.6		
05/27/2020 12:20	3.6	5.3		
05/27/2020 12:21	4	4.9		
05/27/2020 12:22	4	4.5		
05/27/2020 12:23	6.7	4.3		
05/27/2020 12:24	1.7	4		
05/27/2020 12:25	2.7	3.8		
05/27/2020 12:26	2.7	3.5		
05/27/2020 12:27	4.4	3.6		5
05/27/2020 12:28	2.7	2.8		4.7
05/27/2020 12:29	2.1	2.9		4.1
05/27/2020 12:30	3.9	3.1		4.1
05/27/2020 12:31	2.1	3		3.8
05/27/2020 12:32	2	2.5		3.6
05/27/2020 12:33	1.7	2.4		3.2
05/27/2020 12:34	3.2	2.6		3.1
05/27/2020 12:35	4.4	2.7		3.2
05/27/2020 12:36	2.1	2.7		3.1
05/27/2020 12:37	1.8	2.6		2.9
05/27/2020 12:38	1.4	2.5		2.6
05/27/2020 12:39	1.3	2.2		2.5
05/27/2020 12:40	2.7	1.8		2.5
05/27/2020 12:41	3.1	2		2.6
05/27/2020 12:42	1.5	2		2.4
05/27/2020 12:43	2.7	2.2		2.4
05/27/2020 12:44	1.8	2.3		2.4
05/27/2020 12:45	2.4	2.3		2.3
05/27/2020 12:46	1.6	2		2.2
05/27/2020 12:47	2.4	2.2		2.2
05/27/2020 12:48	2.4	2.1		2.3
05/27/2020 12:49	4.1	2.5		2.3
05/27/2020 12:50	2.9	2.6		2.2
05/27/2020 12:51	2.9	2.9		2.3
05/27/2020 12:52	2.9	3		2.4
05/27/2020 12:53	2.5	3		2.4
05/27/2020 12:54	2	2.6		2.5
05/27/2020 12:55	2.6	2.5		2.5
05/27/2020 12:56	2.4	2.4		2.4

05/27/2020 12:57	2.9	2.4	2.5	
05/27/2020 12:58	2.2	2.4	2.5	
05/27/2020 12:59	3.3	2.7	2.6	
05/27/2020 13:00	2.8	2.7	2.6	
05/27/2020 13:01	2.2	2.7	2.7	
05/27/2020 13:02	1.9	2.5	2.6	
05/27/2020 13:03	2.3	2.5	2.6	
05/27/2020 13:04	1.7	2.2	2.5	
05/27/2020 13:05	3.7	2.3	2.5	
05/27/2020 13:06	3.3	2.6	2.6	
05/27/2020 13:07	5.4	3.3	2.7	
05/27/2020 13:08	12.1	5.2	3.4	
05/27/2020 13:09	19.8	8.8	4.6	
05/27/2020 13:10	18	11.7	5.6	
05/27/2020 13:11	22.4	15.5	6.9	
05/27/2020 13:12	26.8	19.8	8.5	4.6
05/27/2020 13:13	25.7	22.5	10.1	4.9
05/27/2020 13:14	19.3	22.4	11.1	5.1
05/27/2020 13:15	16.1	22.1	12	5.2
05/27/2020 13:16	11.2	19.8	12.6	5.3
05/27/2020 13:17				
05/27/2020 13:18				
05/27/2020 13:19				
05/27/2020 13:20				
05/27/2020 13:21				
05/27/2020 13:22				
05/27/2020 13:23				
05/27/2020 13:24				
05/27/2020 13:25				
05/27/2020 13:26				
05/27/2020 13:27				
05/27/2020 13:28	Data point5			
	PM10 1min Average (µg/m³)	PM10 5min Average (µg/m³)	PM10 15min Average (µg/m³)	PM10 1hour Average (µg/m³)
05/27/2020 13:29				
05/27/2020 13:30	9.1	6.8	8.2	6.2
05/27/2020 13:31	3	6.2	7.5	6.2
05/27/2020 13:32	3.9	5.6	7.1	6.2
05/27/2020 13:33	3.5	5.2	6.7	6.2
05/27/2020 13:34	5	4.9	6.4	6.3
05/27/2020 13:35	5.6	4.2	5.9	6.3
05/27/2020 13:36	5.5	4.7	5.7	6.4
05/27/2020 13:37	6.5	5.2	5.7	6.4

05/27/2020 13:38	5.8	5.7	5.6	6.5
05/27/2020 13:39	6.3	5.9	5.8	6.6
05/27/2020 13:40	5.8	6	5.7	6.6
05/27/2020 13:41	5.6	6	5.6	6.7
05/27/2020 13:42	7.6	6.2	5.7	6.8
05/27/2020 13:43	6.6	6.4	5.7	6.8
05/27/2020 13:44	6.7	6.5	5.8	6.9
05/27/2020 13:45	6.8	6.7	5.6	7
05/27/2020 13:46	8.7	7.3	6	7.1
05/27/2020 13:47	8	7.4	6.3	7.2
05/27/2020 13:48	6.1	7.2	6.4	7.3
05/27/2020 13:49	3.9	6.7	6.4	7.3
05/27/2020 13:50	7	6.7	6.4	7.4
05/27/2020 13:51	5.5	6.1	6.4	7.4
05/27/2020 13:52	6.3	5.7	6.4	7.5
05/27/2020 13:53	8.5	6.2	6.6	7.5
05/27/2020 13:54	8.7	7.2	6.8	7.7
05/27/2020 13:55	11	8	7.1	7.8
05/27/2020 13:56	11.2	9.1	7.5	7.9
05/27/2020 13:57	10	9.9	7.6	8.1
05/27/2020 13:58	11.8	10.5	8	8.2
05/27/2020 13:59	9.9	10.7	8.2	8.3
05/27/2020 14:00	10.8	10.7	8.5	8.5
05/27/2020 14:01	13.9	11.2	8.8	8.7
05/27/2020 14:02	23.9	14	9.9	9
05/27/2020 14:03	18	15.3	10.7	9.3
05/27/2020 14:04	15.7	16.4	11.4	9.5
05/27/2020 14:05	12.2	16.7	11.8	9.7
05/27/2020 14:06	12.3	16.4	12.2	9.8
05/27/2020 14:07	16.6	14.9	12.9	10
05/27/2020 14:08	11.4	13.6	13.1	10.1
05/27/2020 14:09	8.7	12.2	13.1	9.9
05/27/2020 14:10	7.6	11.3	12.9	9.8
05/27/2020 14:11	6.4	10.1	12.6	9.6
05/27/2020 14:12	5.8	8	12.3	9.2
05/27/2020 14:13	5.6	6.8	11.9	8.8
05/27/2020 14:14	5.3	6.1	11.6	8.6
05/27/2020 14:15	7.7	6.2	11.4	8.4
05/27/2020 14:16	8.4	6.6	11	8.3
05/27/2020 14:17	5.5	6.5	9.8	8.2
05/27/2020 14:18	4.1	6.2	8.9	8.2
05/27/2020 14:19	7.1	6.6	8.3	8.1
05/27/2020 14:20	4.5	5.9	7.8	8

05/27/2020 14:21	4.6	5.2	7.3	7.9
05/27/2020 14:22	4.7	5	6.5	7.9
05/27/2020 14:23	4.4	5	6	7.8
05/27/2020 14:24	3.9	4.4	5.7	7.8
05/27/2020 14:25	3.5	3.9		
05/27/2020 14:26	2.5	3.5		
05/27/2020 14:27	2.5	2.7		
05/27/2020 14:28	4	3.1		
05/27/2020 14:29	2.7	3		
05/27/2020 14:30				
05/27/2020 14:31				
05/27/2020 14:32				
05/27/2020 14:33				
05/27/2020 14:34				
05/27/2020 14:35				
05/27/2020 14:36				
05/27/2020 14:37				
05/27/2020 14:38				
05/27/2020 14:39				
05/27/2020 14:40				
05/27/2020 14:41				
05/27/2020 14:42				
05/27/2020 14:43				
05/27/2020 14:44	Data point6			

	PM10 1min Average ($\mu\text{g}/\text{m}^3$)	PM10 5min Average ($\mu\text{g}/\text{m}^3$)	PM10 15min Average ($\mu\text{g}/\text{m}^3$)	PM10 1hour Average ($\mu\text{g}/\text{m}^3$)
05/27/2020 14:45				
05/27/2020 14:46	3.3	3.4	3.7	
05/27/2020 14:47	2.8	3	3.5	
05/27/2020 14:48	2.6	2.9	3.5	
05/27/2020 14:49	2.2	2.7	3.4	
05/27/2020 14:50	2.9	2.7	3.4	
05/27/2020 14:51	2.4	2.5	3.2	
05/27/2020 14:52	2.4	2.5	3.1	
05/27/2020 14:53	3	2.5	3	
05/27/2020 14:54	1.9	2.5	2.9	
05/27/2020 14:55	4.4	2.8	3	
05/27/2020 14:56	2	2.7	2.9	
05/27/2020 14:57	2.7	2.8	2.7	
05/27/2020 14:58	3	2.8	2.7	
05/27/2020 14:59	2.4	2.9	2.7	
05/27/2020 15:00	2.5	2.5	2.7	
05/27/2020 15:01	1.8	2.5	2.6	

05/27/2020 15:02	3.2	2.6	2.6	
05/27/2020 15:03	11.6	4.3	3.2	
05/27/2020 15:04	15.3	6.9	4.1	
05/27/2020 15:05	10.4	8.4	4.6	
05/27/2020 15:06	8.6	9.8	5	
05/27/2020 15:07	6.4	10.4	5.3	
05/27/2020 15:08	7.6	9.6	5.6	
05/27/2020 15:09	7.5	8.1	5.9	
05/27/2020 15:10	6.1	7.2	6	
05/27/2020 15:11	5.3	6.6	6.3	
05/27/2020 15:12	4.4	6.2	6.4	
05/27/2020 15:13	3.9	5.4	6.4	
05/27/2020 15:14	4.3	4.8	6.6	
05/27/2020 15:15	3.8	4.3	6.6	
05/27/2020 15:16	3.6	4	6.8	
05/27/2020 15:17	4.6	4	6.9	
05/27/2020 15:18	3.3	3.9	6.3	4.2
05/27/2020 15:19	2.1	3.5	5.4	4.1
05/27/2020 15:20	3.5	3.4	5	4.1
05/27/2020 15:21	2.7	3.2	4.6	4.1
05/27/2020 15:22	3	2.9	4.4	4.1
05/27/2020 15:23	2.3	2.7	4	4.1
05/27/2020 15:24	4.9	3.3	3.8	4.1
05/27/2020 15:25	3.4	3.3	3.7	4.1
05/27/2020 15:26	1.9	3.1	3.4	4.1
05/27/2020 15:27	2.3	2.9	3.3	4.1
05/27/2020 15:28	3.1	3.1	3.2	4.1
05/27/2020 15:29	3	2.7	3.1	4.1
05/27/2020 15:30	3.4	2.7	3.1	4.1
05/27/2020 15:31	5.3	3.4	3.2	4.1
05/27/2020 15:32	2.7	3.5	3.1	4
05/27/2020 15:33	3.6	3.6	3.1	4
05/27/2020 15:34	2.6	3.5	3.2	4
05/27/2020 15:35	3.5	3.5	3.2	4
05/27/2020 15:36	4.4	3.3	3.3	4
05/27/2020 15:37	2.4	3.3	3.2	4
05/27/2020 15:38	2.9	3.1	3.3	4
05/27/2020 15:39	4.1	3.4	3.2	4
05/27/2020 15:40	3.6	3.5	3.2	4
05/27/2020 15:41	2.5	3.1	3.3	4
05/27/2020 15:42	2	3	3.2	3.9
05/27/2020 15:43	2.4	2.9	3.2	3.9
05/27/2020 15:44	3	2.7	3.2	3.9

05/27/2020 15:45	2.3	2.4	3.1	3.9
05/27/2020 15:46				
05/27/2020 15:47				
05/27/2020 15:48				
05/27/2020 15:49				
05/27/2020 15:50				
05/27/2020 15:51				
05/27/2020 15:52				
05/27/2020 15:53				
05/27/2020 15:54				
05/27/2020 15:55				
05/27/2020 15:56				
05/27/2020 15:57				
05/27/2020 15:58				
05/27/2020 15:59				
05/27/2020 16:00	Data point7			

	PM10 1min Average ($\mu\text{g}/\text{m}^3$)	PM10 5min Average ($\mu\text{g}/\text{m}^3$)	PM10 15min Average ($\mu\text{g}/\text{m}^3$)	PM10 1hour Average ($\mu\text{g}/\text{m}^3$)
05/27/2020 16:01				
05/27/2020 16:02	2.7	2.8	2.8	3.9
05/27/2020 16:03	3	2.6	2.9	3.8
05/27/2020 16:04	4.3	3	2.9	3.6
05/27/2020 16:05	3.8	3.3	2.9	3.5
05/27/2020 16:06	2.8	3.3	2.9	3.4
05/27/2020 16:07	3.5	3.5	2.9	3.3
05/27/2020 16:08	4.2	3.7	3.1	3.3
05/27/2020 16:09	2.4	3.3	3	3.2
05/27/2020 16:10	2.1	3	3	3.1
05/27/2020 16:11	4.1	3.2	3.1	3.1
05/27/2020 16:12	2.2	3	3.1	3.1
05/27/2020 16:13	2.5	2.6	3	3.1
05/27/2020 16:14	2	2.6	3	3
05/27/2020 16:15	2.2	2.6	3	3
05/27/2020 16:16	3.7	2.5	3	3
05/27/2020 16:17	3.4	2.8	3.1	3
05/27/2020 16:18	4.7	3.2	3.2	3
05/27/2020 16:19	2.3	3.2	3	3
05/27/2020 16:20	3.1	3.4	3	3
05/27/2020 16:21	2.9	3.3	3	3
05/27/2020 16:22	2.6	3.1	2.9	3
05/27/2020 16:23	2.1	2.6	2.8	3
05/27/2020 16:24	2.9	2.7	2.8	3
05/27/2020 16:25	2.6	2.6	2.9	2.9

05/27/2020 16:26	2.3	2.5	2.7	2.9
05/27/2020 16:27	3.3	2.6	2.8	3
05/27/2020 16:28	2.4	2.7	2.8	3
05/27/2020 16:29	2	2.5	2.8	2.9
05/27/2020 16:30	2.1	2.4	2.8	2.9
05/27/2020 16:31	2.3	2.4	2.7	2.9
05/27/2020 16:32	2.4	2.2	2.6	2.9
05/27/2020 16:33	2.1	2.2	2.5	2.8
05/27/2020 16:34	3.3	2.4	2.5	2.8
05/27/2020 16:35	2.8	2.6	2.5	2.8
05/27/2020 16:36	2.3	2.6	2.5	2.8
05/27/2020 16:37	2	2.5	2.4	2.8
05/27/2020 16:38	2.9	2.6	2.5	2.8
05/27/2020 16:39	2.2	2.4	2.5	2.8
05/27/2020 16:40	2.3	2.3	2.4	2.7
05/27/2020 16:41	1.8	2.2	2.4	2.7
05/27/2020 16:42	2.6	2.4	2.4	2.7
05/27/2020 16:43	2.1	2.2	2.3	2.7
05/27/2020 16:44	2	2.2	2.3	2.7
05/27/2020 16:45	2.5	2.2	2.4	2.7
05/27/2020 16:46	1.9	2.2	2.3	2.7
05/27/2020 16:47	2.7	2.2	2.4	2.7
05/27/2020 16:48	2.3	2.3	2.4	2.7
05/27/2020 16:49	3.3	2.5	2.4	2.7
05/27/2020 16:50	3.6	2.7	2.4	2.7
05/27/2020 16:51	3.3	3	2.5	2.7
05/27/2020 16:52	2.4	3	2.5	2.7
05/27/2020 16:53	2.2	2.9	2.5	2.7
05/27/2020 16:54	2.8	2.8	2.5	2.7
05/27/2020 16:55	2.4	2.6	2.5	2.7
05/27/2020 16:56	1.8	2.3	2.5	2.7
05/27/2020 16:57	2.5	2.3	2.5	2.7
05/27/2020 16:58	2.4	2.4	2.5	2.7
05/27/2020 16:59	4.6	2.7	2.7	2.7
05/27/2020 17:00	3.6	3	2.8	2.7
05/27/2020 17:01	3	3.2	2.8	2.7
05/27/2020 17:02	3	3.3	2.9	2.7
05/27/2020 17:03	2.2	3.3	2.8	2.7
05/27/2020 17:04	2.4	2.8	2.8	2.7
05/27/2020 17:05	2	2.5	2.7	2.7
05/27/2020 17:06	2.2	2.3	2.6	2.6
05/27/2020 17:07				
05/27/2020 17:08				

05/27/2020 17:09
05/27/2020 17:10
05/27/2020 17:11
05/27/2020 17:12
05/27/2020 17:13
05/27/2020 17:14
05/27/2020 17:15
05/27/2020 17:16
05/27/2020 17:17 Data point8

	PM10 1min Average ($\mu\text{g}/\text{m}^3$)	PM10 5min Average ($\mu\text{g}/\text{m}^3$)	PM10 15min Average ($\mu\text{g}/\text{m}^3$)	PM10 1hour Average ($\mu\text{g}/\text{m}^3$)
05/27/2020 17:18				
05/27/2020 17:19	3.5	4	3.4	2.8
05/27/2020 17:20	3.2	4	3.4	2.8
05/27/2020 17:21	4	4	3.6	2.8
05/27/2020 17:22	2.7	3.8	3.6	2.8
05/27/2020 17:23	3.9	3.4	3.6	2.8
05/27/2020 17:24	3.6	3.5	3.6	2.8
05/27/2020 17:25	3.7	3.6	3.6	2.8
05/27/2020 17:26	3.9	3.5	3.6	2.9
05/27/2020 17:27	5.6	4.1	3.8	2.9
05/27/2020 17:28	5	4.3	3.9	3
05/27/2020 17:29	4.5	4.5	4	3
05/27/2020 17:30	4.3	4.6	4.1	3
05/27/2020 17:31	3.9	4.6	4.1	3.1
05/27/2020 17:32	4.6	4.4	4.1	3.1
05/27/2020 17:33	3.5	4.2	4	3.1
05/27/2020 17:34	5.4	4.3	4.1	3.2
05/27/2020 17:35	4.2	4.3	4.2	3.2
05/27/2020 17:36	4.2	4.4	4.2	3.2
05/27/2020 17:37	3.8	4.2	4.3	3.2
05/27/2020 17:38	5.4	4.6	4.4	3.3
05/27/2020 17:39	5.1	4.5	4.5	3.3
05/27/2020 17:40	4.1	4.5	4.5	3.4
05/27/2020 17:41	3.6	4.4	4.5	3.4
05/27/2020 17:42	4.7	4.6	4.4	3.4
05/27/2020 17:43	5.4	4.6	4.4	3.5
05/27/2020 17:44	4	4.3	4.4	3.5
05/27/2020 17:45	4.5	4.4	4.4	3.5
05/27/2020 17:46	4.4	4.6	4.4	3.6
05/27/2020 17:47	5.4	4.7	4.5	3.6
05/27/2020 17:48	5.8	4.8	4.6	3.7
05/27/2020 17:49	5	5	4.6	3.7

05/27/2020 17:50	3.5	4.8	4.6	3.7
05/27/2020 17:51	4.4	4.8	4.6	3.7
05/27/2020 17:52	6.3	5	4.8	3.8
05/27/2020 17:53	4.5	4.7	4.7	3.8
05/27/2020 17:54	5	4.7	4.7	3.9
05/27/2020 17:55	4.4	4.9	4.7	3.9
05/27/2020 17:56	4.2	4.9	4.7	3.9
05/27/2020 17:57	4.8	4.5	4.8	4
05/27/2020 17:58	4.2	4.5	4.7	4
05/27/2020 17:59	4	4.3	4.7	4
05/27/2020 18:00	4.3	4.3	4.7	4
05/27/2020 18:01	3.8	4.2	4.6	4
05/27/2020 18:02	3.8	4	4.5	4
05/27/2020 18:03	4.1	4	4.4	4.1
05/27/2020 18:04	5.2	4.2	4.4	4.1
05/27/2020 18:05	4.6	4.3	4.5	4.2
05/27/2020 18:06	3.6	4.3	4.4	4.2
05/27/2020 18:07	4.4	4.4	4.3	4.2
05/27/2020 18:08	2.9	4.1	4.2	4.2
05/27/2020 18:09	3.2	3.7	4.1	4.2
05/27/2020 18:10	2.9	3.4	4	4.2
05/27/2020 18:11	2.5	3.2	3.9	4.2
05/27/2020 18:12	4.3	3.1	3.8	4.2
05/27/2020 18:13	4.2	3.4	3.8	4.2
05/27/2020 18:14	3.2	3.4	3.8	4.2
05/27/2020 18:15	3.3	3.5	3.7	4.2
05/27/2020 18:16	3.5	3.7	3.7	4.2
05/27/2020 18:17	4.9	3.8	3.8	4.2
05/27/2020 18:18	4.1	3.8	3.8	4.2
05/27/2020 18:19	4.7	4.1	3.7	4.2
05/27/2020 18:20				
05/27/2020 18:21				
05/27/2020 18:22				
05/27/2020 18:23				
05/27/2020 18:24				
05/27/2020 18:25				
05/27/2020 18:26				
05/27/2020 18:27				
05/27/2020 18:28				
05/27/2020 18:29				
05/27/2020 18:30	Data point9			

	PM10 1min Average ($\mu\text{g}/\text{m}^3$)	PM10 5min Average ($\mu\text{g}/\text{m}^3$)	PM10 15min Average ($\mu\text{g}/\text{m}^3$)	PM10 1hour Average ($\mu\text{g}/\text{m}^3$)
05/27/2020 18:31				
05/27/2020 18:32	4.1	3.8	3.9	4.2
05/27/2020 18:33	4.9	3.9	3.9	4.2
05/27/2020 18:34	3.9	3.9	3.9	4.2
05/27/2020 18:35	3.8	4.1	4	4.2
05/27/2020 18:36	3.2	4	3.9	4.1
05/27/2020 18:37	4.2	4	3.9	4.1
05/27/2020 18:38	3.2	3.7	3.9	4.1
05/27/2020 18:39	4.3	3.7	3.9	4.1
05/27/2020 18:40	3.6	3.7	3.9	4.1
05/27/2020 18:41	4.1	3.9	3.9	4.1
05/27/2020 18:42	4	3.8	3.9	4.1
05/27/2020 18:43	5.1	4.2	3.9	4.1
05/27/2020 18:44	3.6	4.1	3.9	4.1
05/27/2020 18:45	6	4.5	4.1	4.1
05/27/2020 18:46	4.8	4.7	4.2	4.1
05/27/2020 18:47	4.8	4.8	4.2	4.1
05/27/2020 18:48	3.7	4.6	4.1	4.1
05/27/2020 18:49	3.2	4.5	4.1	4
05/27/2020 18:50	5	4.3	4.2	4.1
05/27/2020 18:51	5.7	4.5	4.3	4.1
05/27/2020 18:52	4.6	4.4	4.4	4
05/27/2020 18:53	4.9	4.7	4.5	4.1
05/27/2020 18:54	5.9	5.2	4.6	4.1
05/27/2020 18:55	3.5	4.9	4.6	4.1
05/27/2020 18:56	4.5	4.7	4.6	4.1
05/27/2020 18:57	4.4	4.6	4.6	4.1
05/27/2020 18:58	4.5	4.5	4.6	4.1
05/27/2020 18:59	6.5	4.7	4.8	4.1
05/27/2020 19:00	4.1	4.8	4.7	4.1
05/27/2020 19:01	5.5	5	4.7	4.1
05/27/2020 19:02	4.8	5.1	4.7	4.1
05/27/2020 19:03	3.5	4.9	4.7	4.1
05/27/2020 19:04	4.1	4.4	4.8	4.1
05/27/2020 19:05	4.7	4.5	4.7	4.1
05/27/2020 19:06	4.7	4.4	4.7	4.1
05/27/2020 19:07	4.3	4.3	4.6	4.1
05/27/2020 19:08	4.3	4.4	4.6	4.2
05/27/2020 19:09	4	4.4	4.5	4.2
05/27/2020 19:10	6	4.7	4.7	4.2
05/27/2020 19:11	3.6	4.4	4.6	4.2
05/27/2020 19:12	3.5	4.3	4.5	4.2

05/27/2020 19:13	5.6	4.5	4.6	4.3
05/27/2020 19:14	3.6	4.5	4.4	4.3
05/27/2020 19:15	4.8	4.2	4.5	4.3
05/27/2020 19:16	5.2	4.5	4.4	4.3
05/27/2020 19:17	4.8	4.8	4.4	4.3
05/27/2020 19:18	4.2	4.5	4.5	4.3
05/27/2020 19:19	2.7	4.3	4.4	4.3
05/27/2020 19:20	4.7	4.3	4.4	4.3
05/27/2020 19:21	3.6	4	4.3	4.3
05/27/2020 19:22	4.9	4	4.4	4.3
05/27/2020 19:23	4.9	4.2	4.4	4.3
05/27/2020 19:24	6.4	4.9	4.6	4.4
05/27/2020 19:25	3.4	4.6	4.4	4.4
05/27/2020 19:26	6.1	5.1	4.5	4.4
05/27/2020 19:27	4.2	5	4.6	4.4
05/27/2020 19:28	3.2	4.7	4.4	4.4
05/27/2020 19:29	4.8	4.3	4.5	4.4
05/27/2020 19:30	5.1	4.7	4.5	4.4
05/27/2020 19:31	4.1	4.3	4.5	4.4
05/27/2020 19:32	6	4.6	4.5	4.5
05/27/2020 19:33	5.1	5	4.6	4.5
05/27/2020 19:34				
05/27/2020 19:35				
05/27/2020 19:36				
05/27/2020 19:37				
05/27/2020 19:38				
05/27/2020 19:39				
05/27/2020 19:40				
05/27/2020 19:41				
05/27/2020 19:42				
05/27/2020 19:43				
05/27/2020 19:44				
05/27/2020 19:45				
05/27/2020 19:46	Data point10			

	PM10 1min Average (µg/m³)	PM10 5min Average (µg/m³)	PM10 15min Average (µg/m³)	PM10 1hour Average (µg/m³)
05/27/2020 19:47				
05/27/2020 19:48	4.8	5.1	4.8	4.6
05/27/2020 19:49	3.8	4.8	4.8	4.7
05/27/2020 19:50	6.6	5.2	4.9	4.7
05/27/2020 19:51	5.9	5	5	4.7
05/27/2020 19:52	6.2	5.4	5.1	4.7
05/27/2020 19:53	6.2	5.7	5.3	4.7

05/27/2020 19:54	5	6	5.3	4.7
05/27/2020 19:55	4.2	5.5	5.2	4.7
05/27/2020 19:56	4.6	5.2	5.1	4.7
05/27/2020 19:57	3.7	4.7	5.1	4.7
05/27/2020 19:58	6.2	4.7	5.2	4.7
05/27/2020 19:59	6	4.9	5.2	4.7
05/27/2020 20:00	8	5.7	5.4	4.8
05/27/2020 20:01	4.2	5.6	5.3	4.8
05/27/2020 20:02	6.8	6.2	5.5	4.8
05/27/2020 20:03	6.2	6.2	5.6	4.9
05/27/2020 20:04	5.5	6.1	5.7	4.9
05/27/2020 20:05	3.6	5.3	5.5	4.9
05/27/2020 20:06	6.7	5.7	5.5	4.9
05/27/2020 20:07	4.8	5.3	5.4	4.9
05/27/2020 20:08	5.4	5.2	5.4	4.9
05/27/2020 20:09	5.2	5.1	5.4	4.9
05/27/2020 20:10	7.9	6	5.6	5
05/27/2020 20:11	5.1	5.7	5.7	5
05/27/2020 20:12	5.5	5.8	5.8	5
05/27/2020 20:13	6.7	6.1	5.8	5
05/27/2020 20:14	5	6	5.8	5.1
05/27/2020 20:15	4.1	5.3	5.5	5.1
05/27/2020 20:16	3.6	5	5.5	5
05/27/2020 20:17	4.3	4.7	5.3	5
05/27/2020 20:18	4.2	4.2	5.2	5
05/27/2020 20:19	3.9	4	5	5
05/27/2020 20:20	4.8	4.1	5.1	5
05/27/2020 20:21	5.6	4.5	5.1	5.1
05/27/2020 20:22	4.1	4.5	5	5.1
05/27/2020 20:23	4.7	4.6	5	5.1
05/27/2020 20:24	4.7	4.8	4.9	5
05/27/2020 20:25	5.3	4.9	4.8	5.1
05/27/2020 20:26	6	5	4.8	5.1
05/27/2020 20:27	4.5	5	4.8	5.1
05/27/2020 20:28	6.1	5.3	4.7	5.1
05/27/2020 20:29	4.9	5.4	4.7	5.1
05/27/2020 20:30	4.9	5.3	4.8	5.1
05/27/2020 20:31	6.2	5.3	4.9	5.2
05/27/2020 20:32	5.1	5.4	5	5.1
05/27/2020 20:33	4.1	5	5	5.1
05/27/2020 20:34	4.4	4.9	5	5.1
05/27/2020 20:35	4.2	4.8	5	5.1
05/27/2020 20:36	3.4	4.2	4.8	5.1

05/27/2020 20:37	4.5	4.1	4.8	5.1
05/27/2020 20:38	4	4.1	4.8	5.1
05/27/2020 20:39	4.4	4.1	4.8	5.1
05/27/2020 20:40	4.4	4.1	4.7	5.1
05/27/2020 20:41	4.6	4.4	4.6	5.1
05/27/2020 20:42	4.8	4.4	4.6	5.1
05/27/2020 20:43	5.7	4.8	4.6	5.1
05/27/2020 20:44	4.9	4.9	4.6	5.1
05/27/2020 20:45	5.1	5	4.6	5.1
05/27/2020 20:46	4.9	5.1	4.5	5.1
05/27/2020 20:47	4.3	4.9	4.5	5.1
05/27/2020 20:48	3.9	4.6	4.5	5
05/27/2020 20:49				
05/27/2020 20:50				
05/27/2020 20:51				
05/27/2020 20:52				
05/27/2020 20:53				
05/27/2020 20:54				
05/27/2020 20:55				
05/27/2020 20:56				
05/27/2020 20:57				
05/27/2020 20:58				
05/27/2020 20:59				
05/27/2020 21:00				
05/27/2020 21:01				
05/27/2020 21:02				
05/27/2020 21:03				
05/27/2020 21:04				
05/27/2020 21:05				
05/27/2020 21:06	Data point11			

	PM10 1min Average ($\mu\text{g}/\text{m}^3$)	PM10 5min Average ($\mu\text{g}/\text{m}^3$)	PM10 15min Average ($\mu\text{g}/\text{m}^3$)	PM10 1hour Average ($\mu\text{g}/\text{m}^3$)
05/27/2020 21:07				
05/27/2020 21:08	4.1	4.5	4.7	4.7
05/27/2020 21:09	6.7	4.8	4.8	4.8
05/27/2020 21:10	3.8	4.6	4.6	4.7
05/27/2020 21:11	5.4	4.8	4.8	4.7
05/27/2020 21:12	4.6	4.9	4.8	4.7
05/27/2020 21:13	5.2	5.1	4.8	4.7
05/27/2020 21:14	4.9	4.8	4.9	4.7
05/27/2020 21:15	4.8	5	4.9	4.7
05/27/2020 21:16	4.8	4.9	4.9	4.7
05/27/2020 21:17	3.4	4.6	4.8	4.7

05/27/2020 21:18	3.4	4.3	4.6	4.7
05/27/2020 21:19	4.9	4.3	4.6	4.7
05/27/2020 21:20	3.6	4	4.5	4.7
05/27/2020 21:21	4.5	4	4.5	4.6
05/27/2020 21:22	3.8	4	4.5	4.6
05/27/2020 21:23	5.2	4.4	4.6	4.7
05/27/2020 21:24	5	4.4	4.5	4.7
05/27/2020 21:25	5.1	4.7	4.6	4.7
05/27/2020 21:26	3.8	4.5	4.4	4.6
05/27/2020 21:27	4.4	4.7	4.4	4.6
05/27/2020 21:28	6.3	4.9	4.5	4.6
05/27/2020 21:29	5.6	5	4.6	4.6
05/27/2020 21:30	6.5	5.3	4.7	4.7
05/27/2020 21:31	4.3	5.4	4.6	4.6
05/27/2020 21:32	5.7	5.7	4.8	4.6
05/27/2020 21:33	4.6	5.3	4.9	4.6
05/27/2020 21:34	5.6	5.3	4.9	4.7
05/27/2020 21:35	4.1	4.8	4.9	4.7
05/27/2020 21:36	5.6	5.1	5	4.7
05/27/2020 21:37	4.3	4.8	5	4.7
05/27/2020 21:38	4.3	4.8	5	4.7
05/27/2020 21:39	4.8	4.6	5	4.7
05/27/2020 21:40	4.1	4.6	4.9	4.7
05/27/2020 21:41	3.9	4.3	4.9	4.7
05/27/2020 21:42	5	4.4	5	4.7
05/27/2020 21:43	4.7	4.5	4.9	4.7
05/27/2020 21:44	4.7	4.5	4.8	4.7
05/27/2020 21:45	5.1	4.7	4.7	4.7
05/27/2020 21:46	4.3	4.7	4.7	4.7
05/27/2020 21:47	5.1	4.8	4.7	4.7
05/27/2020 21:48	4.8	4.8	4.7	4.7
05/27/2020 21:49	2.9	4.4	4.5	4.7
05/27/2020 21:50	3.4	4.1	4.4	4.6
05/27/2020 21:51	3.9	4	4.3	4.6
05/27/2020 21:52	4.4	3.9	4.3	4.7
05/27/2020 21:53	3.4	3.6	4.3	4.6
05/27/2020 21:54	4.1	3.8	4.2	4.6
05/27/2020 21:55	3.8	3.9	4.2	4.6
05/27/2020 21:56	3.7	3.9	4.2	4.6
05/27/2020 21:57	3.1	3.6	4.1	4.6
05/27/2020 21:58	3.7	3.7	4	4.6
05/27/2020 21:59	3.3	3.5	3.9	4.5
05/27/2020 22:00	5.4	3.8	3.9	4.6

05/27/2020 22:01	5	4.1	4	4.5
05/27/2020 22:02	4.3	4.3	3.9	4.5
05/27/2020 22:03	4.1	4.4	3.9	4.5
05/27/2020 22:04	4.3	4.6	4	4.5
05/27/2020 22:05	3.7	4.2	4	4.5
05/27/2020 22:06	3.8	4	4	4.5
05/27/2020 22:07	3.9	3.9	4	4.5
05/27/2020 22:08	3.4	3.8	3.9	4.4
05/27/2020 22:09	3.6	3.7	3.9	4.4
05/27/2020 22:10				
05/27/2020 22:11				
05/27/2020 22:12				
05/27/2020 22:13				
05/27/2020 22:14				
05/27/2020 22:15				
05/27/2020 22:16				
05/27/2020 22:17				
05/27/2020 22:18				
05/27/2020 22:19				
05/27/2020 22:20				
05/27/2020 22:21				
05/27/2020 22:22	Data point12			

	PM10 1min Average ($\mu\text{g}/\text{m}^3$)	PM10 5min Average ($\mu\text{g}/\text{m}^3$)	PM10 15min Average ($\mu\text{g}/\text{m}^3$)	PM10 1hour Average ($\mu\text{g}/\text{m}^3$)
05/27/2020 22:23				
05/27/2020 22:24	3.3	4.7	4.3	4.4
05/27/2020 22:25	3.9	4.1	4.3	4.4
05/27/2020 22:26	5.3	4.4	4.4	4.4
05/27/2020 22:27	2.8	3.9	4.3	4.3
05/27/2020 22:28	4.4	3.9	4.2	4.3
05/27/2020 22:29	4.2	4.1	4.2	4.3
05/27/2020 22:30	5.4	4.4	4.4	4.3
05/27/2020 22:31	3.8	4.1	4.3	4.3
05/27/2020 22:32	4.6	4.4	4.3	4.2
05/27/2020 22:33	3.9	4.3	4.4	4.2
05/27/2020 22:34	4.5	4.4	4.4	4.2
05/27/2020 22:35	5.9	4.5	4.3	4.2
05/27/2020 22:36	4	4.6	4.3	4.2
05/27/2020 22:37	4.9	4.6	4.3	4.2
05/27/2020 22:38	5.4	4.9	4.4	4.2
05/27/2020 22:39	3.4	4.7	4.4	4.2
05/27/2020 22:40	5.4	4.6	4.5	4.2
05/27/2020 22:41	3.9	4.6	4.4	4.2

05/27/2020 22:42	5.2	4.6	4.6	4.2
05/27/2020 22:43	5.9	4.8	4.7	4.3
05/27/2020 22:44	4.2	4.9	4.7	4.2
05/27/2020 22:45	3.3	4.5	4.5	4.2
05/27/2020 22:46	4.7	4.7	4.6	4.2
05/27/2020 22:47	6.6	4.9	4.7	4.3
05/27/2020 22:48	3.2	4.4	4.7	4.2
05/27/2020 22:49	4.2	4.4	4.7	4.2
05/27/2020 22:50	6.1	4.9	4.7	4.3
05/27/2020 22:51	4.8	5	4.7	4.3
05/27/2020 22:52	3.8	4.4	4.7	4.3
05/27/2020 22:53	3.7	4.5	4.5	4.3
05/27/2020 22:54	3.5	4.4	4.6	4.3
05/27/2020 22:55	2.9	3.7	4.4	4.3
05/27/2020 22:56	4.9	3.7	4.5	4.3
05/27/2020 22:57	3.4	3.7	4.3	4.3
05/27/2020 22:58	6.1	4.1	4.3	4.3
05/27/2020 22:59	5.9	4.6	4.5	4.4
05/27/2020 23:00	3.4	4.7	4.5	4.4
05/27/2020 23:01	6.2	5	4.6	4.4
05/27/2020 23:02	3.8	5.1	4.4	4.4
05/27/2020 23:03	3.7	4.6	4.4	4.4
05/27/2020 23:04	4.4	4.3	4.4	4.4
05/27/2020 23:05	3.8	4.4	4.3	4.4
05/27/2020 23:06	3.8	3.9	4.2	4.4
05/27/2020 23:07	3.3	3.8	4.2	4.4
05/27/2020 23:08	5.6	4.2	4.3	4.4
05/27/2020 23:09	3.5	4	4.3	4.4
05/27/2020 23:10	3.1	3.8	4.3	4.4
05/27/2020 23:11	4.2	3.9	4.3	4.4
05/27/2020 23:12	4.1	4.1	4.3	4.4
05/27/2020 23:13	3.9	3.7	4.2	4.4
05/27/2020 23:14	3.8	3.8	4	4.3
05/27/2020 23:15	4.7	4.1	4.1	4.4
05/27/2020 23:16	4.9	4.2	4	4.4
05/27/2020 23:17	3.4	4.1	4	4.4
05/27/2020 23:18	5.1	4.3	4.1	4.4
05/27/2020 23:19	4.8	4.5	4.1	4.4
05/27/2020 23:20	3.5	4.3	4.1	4.3
05/27/2020 23:21	5	4.3	4.2	4.4
05/27/2020 23:22	4.7	4.6	4.3	4.4
05/27/2020 23:23	4.2	4.4	4.2	4.3
05/27/2020 23:24	4.3	4.3	4.2	4.4

05/27/2020 23:25	3.4	4.3	4.2	4.4
05/27/2020 23:26	5.1	4.3	4.3	4.4

6.2 GRÁFICOS OBTENIDOS

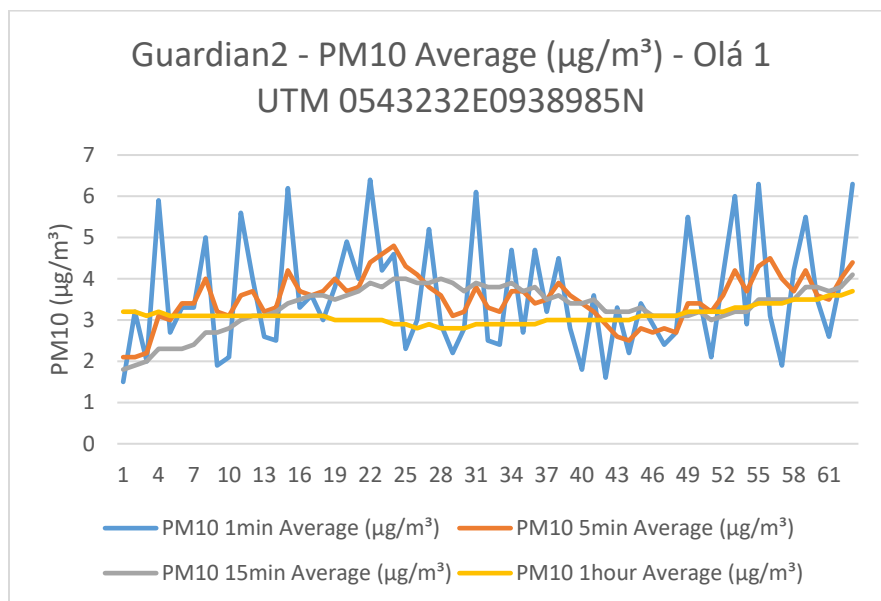


Gráfico punto 1 de medición

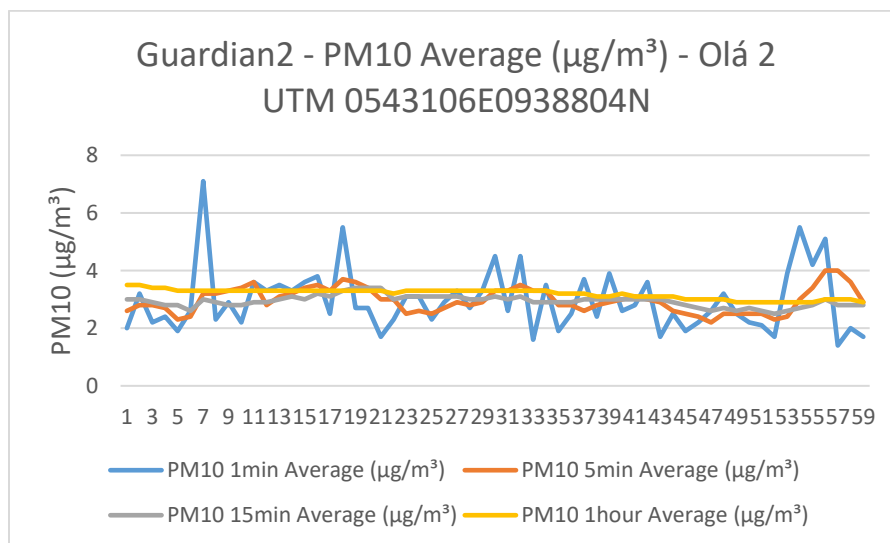


Gráfico punto 2 de medición

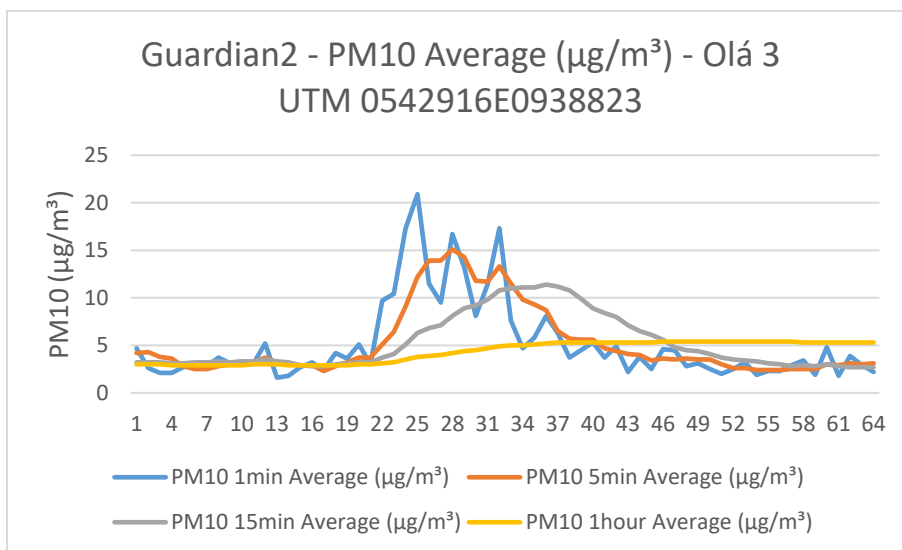


Gráfico punto 3 de medición

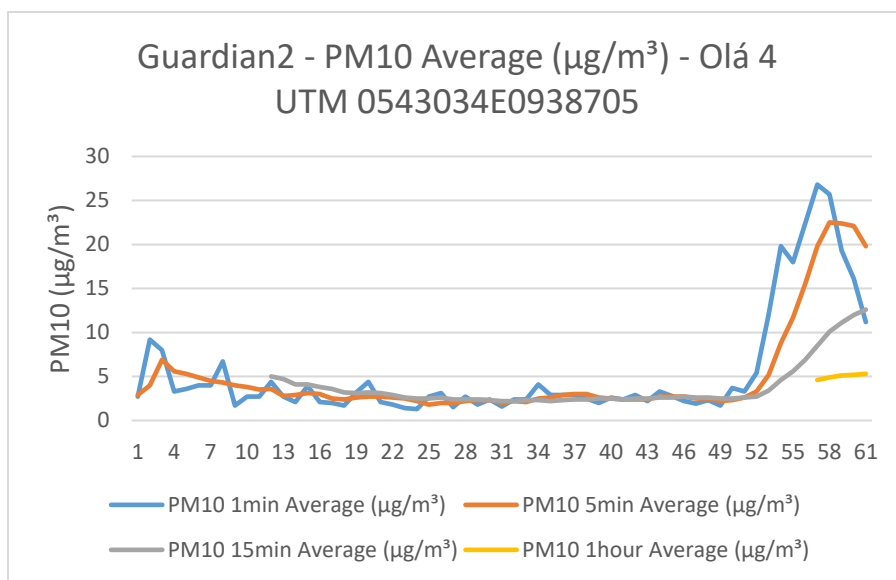


Gráfico punto 4 de medición

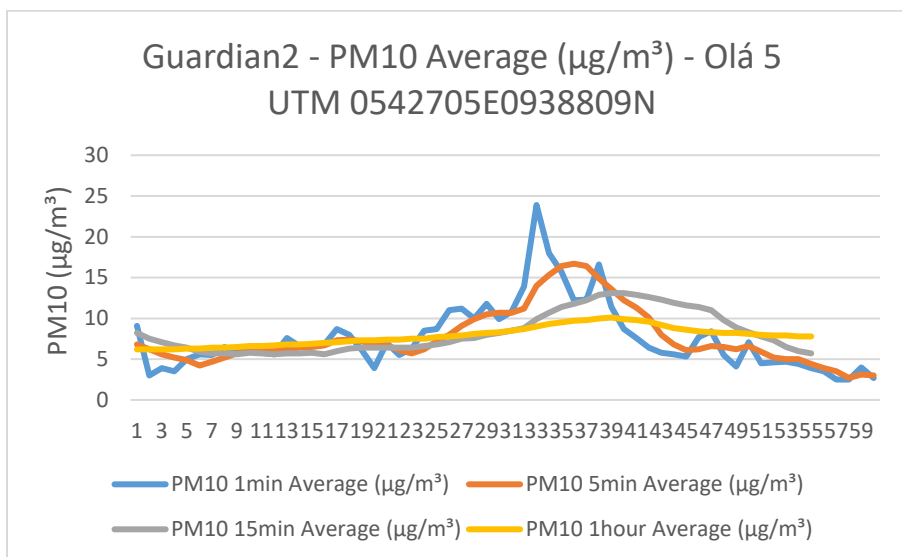


Gráfico punto5 de medición

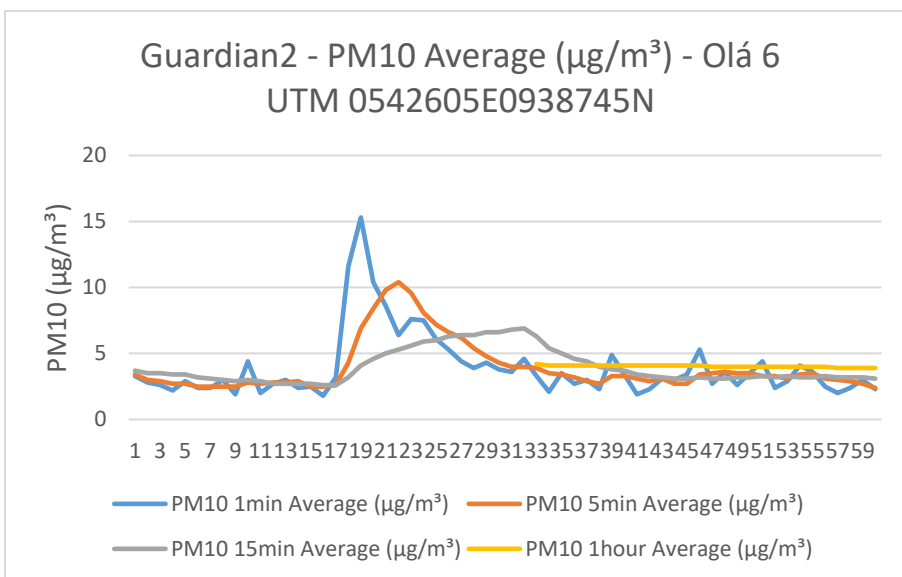
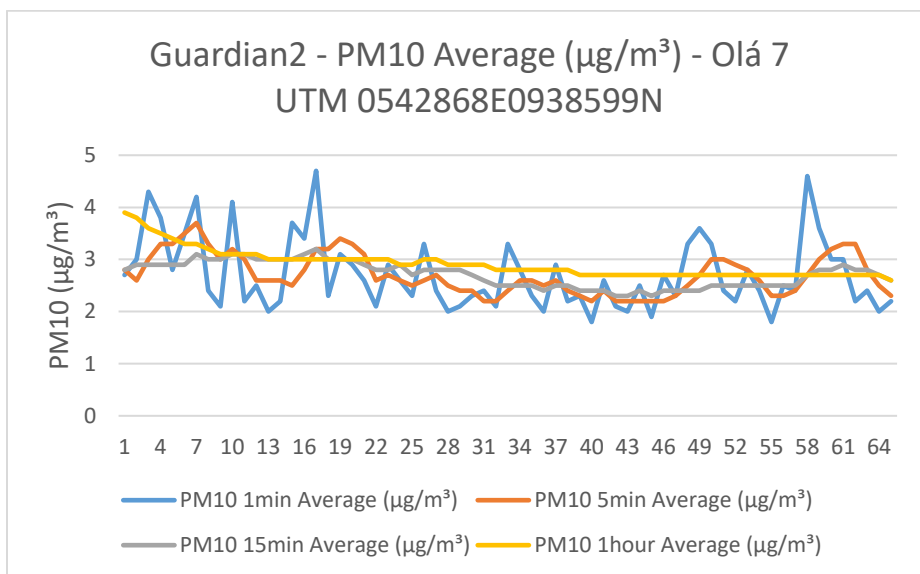
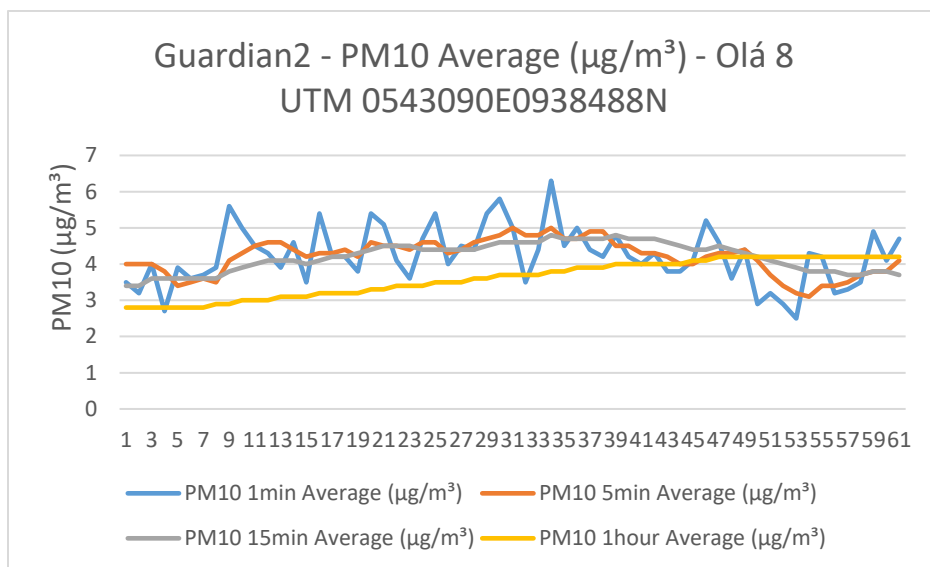


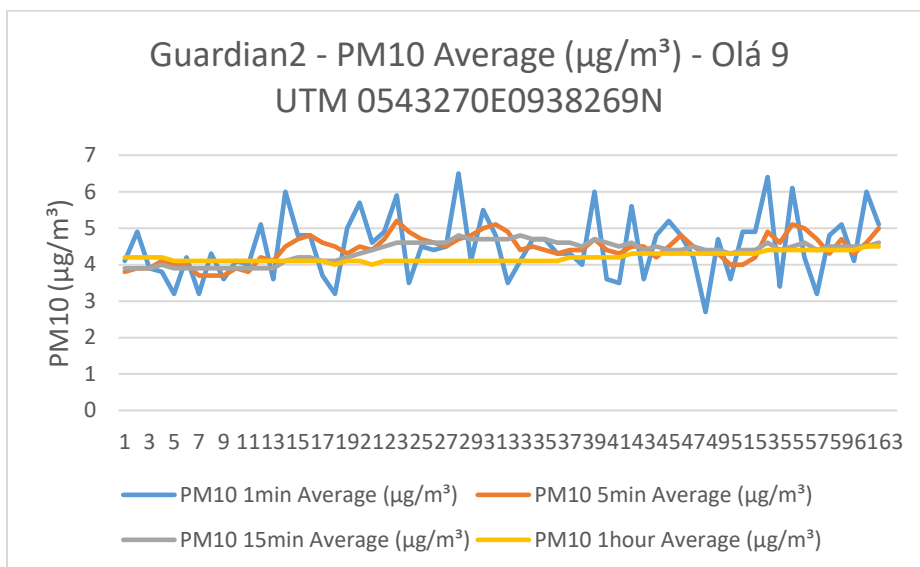
Gráfico punto 6 de medición



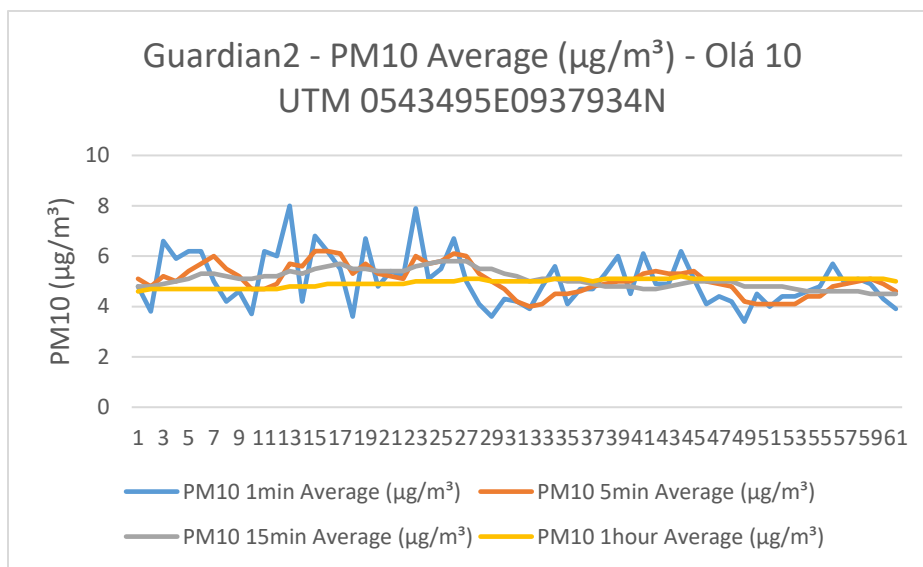
Punto 7 de medición



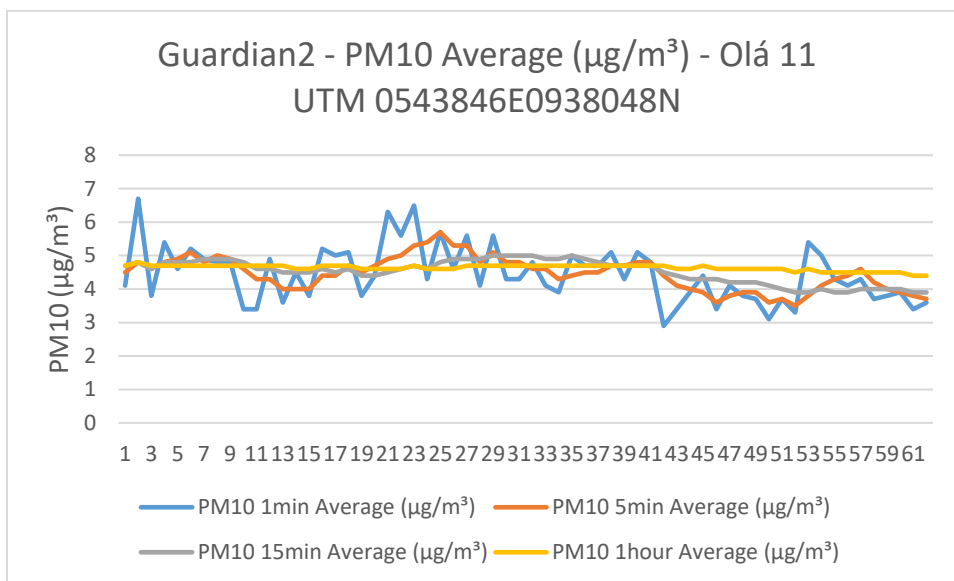
Punto 8 de medición



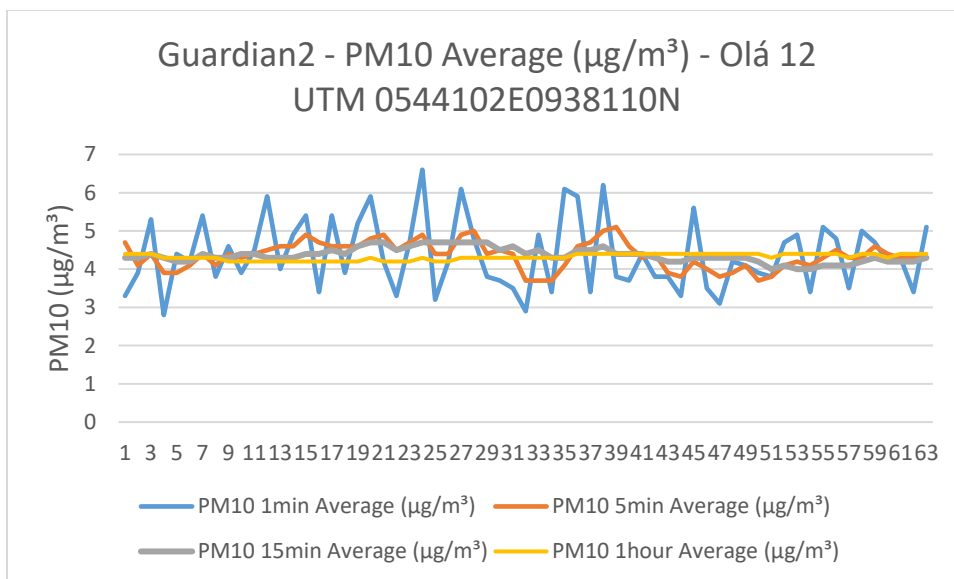
Punto 9 de medición



Punto 10 de medición



Punto 11 de Medición



Punto 12 de Medición

6.3 RESULTADO DE LA MEDICIÓN

PM10 12 hour Average = 4.26 $\mu\text{g}/\text{m}^3$

El resultado obtenido para el rango de 1 hora, de acuerdo al **valor Guía (50 ($\mu\text{g}/\text{m}^3$))**, de acuerdo a la norma de Referencia OMS Tabla 1.1.1. de la Guía sobre Medio Ambiente, salud y Seguridad de Banco Mundial. Los datos obtenidos en la inspección se encuentran dentro del límite permisible.

6.4 TÉCNICO QUE REALIZÓ LA INSPECCIÓN

ING. ALIS SAMANIEGO
6-710-920



7- ANEXOS

FOTOGRAFÍAS

UBICACIÓN DEL PROYECTO

CERTIFICADO DE CALIBRACIÓN DEL EQUIPO

FOTOGRAFÍAS



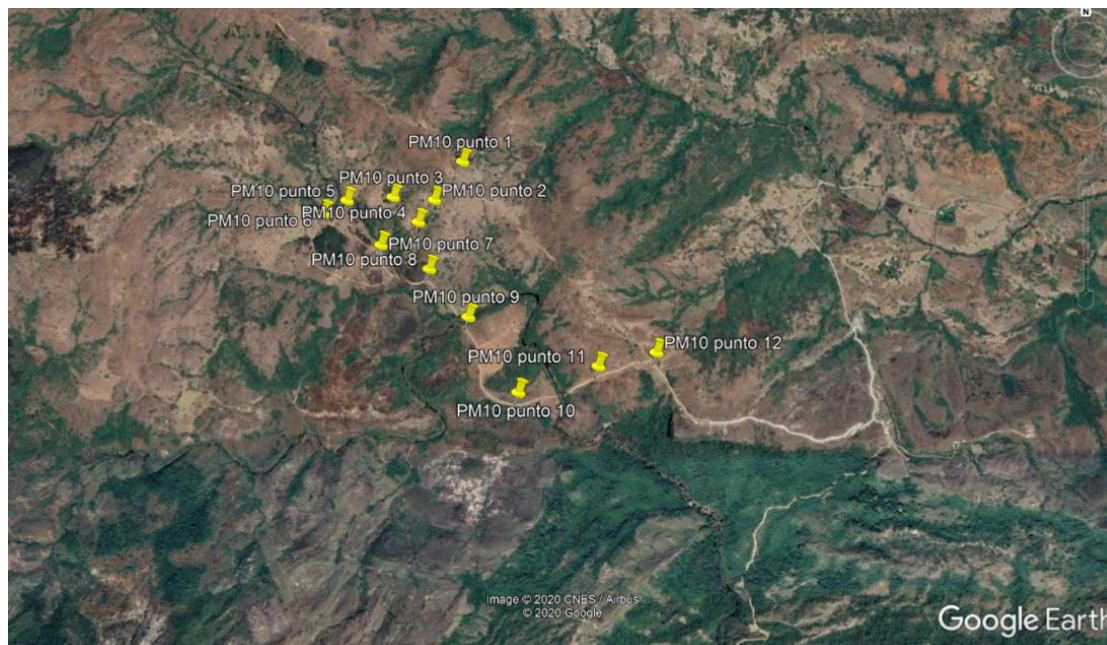








UBICACIÓN DE LA INSPECCIÓN



Inspección realizada en la Finca La Patrona, Distrito de Olá, Provincia de Coclé, República de Panamá.

CERTIFICADO DE CALIBRACIÓN

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F +44 (0)1234 841490
E info@casellaeolutions.com

CASELLA

Particle Counter - Declaration of Conformity

(in accordance with BS EN ISO/IEC 17050-1)

Casella certifies that the items listed on the delivery note for the order detailed below have been inspected and tested in accordance with Casella quality procedures.

We certify that particle counter units have been calibrated against Polystyrene Latex (PSL) and conform to our current specification data.

Customer Name	Guardian Serial Number
Laboratorio de Mediciones Ambientales S.A.	0893121

Product	Serial Number
208044C OPC-N2	176260204

Engineer - C Chesney

Date – 6th March 2020

An **IDEAL** Company

Casella is a trading name and division of IDEAL INDUSTRIES Ltd Company Registration No: 1824671
Registered Office: Stokenchurch House, Oxford Road, Stokenchurch, High Wycombe, Buckinghamshire, HP14 3SX