

Tabla 3.1. Concentraciones horarias y 24 horas de SO<sub>2</sub>

**TÍTULO DEL ESTUDIO:**

Evaluación ambiental de seguimiento de la calidad del aire en el área de influencia de la Refinería Talara, ubicada en el distrito de Paríñas, provincia de Talara, departamento de Piura, en enero de 2021

**ESTACIÓN DE MONITOREO:**

CA-TA-01

**CÓDIGO DE ACCIÓN:**

No aplica

**EQUIPO:**

Analizador continuo de gases

**DATOS DEL EQUIPO**

MARCA: Thermo Scientific

**MODELO:**

825231929

43i

Hora/Día	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:00	15.98	16.03	16.56	16.74	17.37	17.29	17.48	17.61	17.21	17.24	17.37	16.82	17.19	17.13	16.74	16.85	17.34	17.24	17.03	17.06	17.66	17.58	17.40	17.61	16.98	16.30	16.64	16.35	15.90	15.64	16.40
01:00	15.59	15.85	16.61	16.64	17.21	17.19	16.95	17.71	17.27	16.87	16.93	16.45	17.00	16.56	16.48	16.61	17.27	17.27	17.06	16.79	17.55	17.89	17.55	17.50	16.95	16.61	16.56	16.45	15.85	15.46	16.06
02:00	15.85	15.85	16.58	16.53	17.32	17.16	17.03	17.40	17.24	16.77	16.72	16.38	16.82	16.56	16.56	16.56	17.24	17.13	17.11	16.74	17.63	17.89	17.50	17.34	17.21	16.32	16.56	16.17	16.01	15.41	16.17
03:00	15.43	15.82	16.64	16.79	17.11	17.19	17.00	17.42	16.93	16.79	16.64	16.27	16.43	16.64	16.35	16.53	16.90	16.93	16.69	16.24	17.58	17.45	17.19	17.29	17.21	16.17	16.64	16.27	15.93	15.54	16.22
04:00	14.83	15.75	16.61	16.90	17.00	17.06	16.69	17.55	17.13	16.64	16.51	16.11	17.03	16.61	16.82	16.30	16.87	16.87	16.79	16.35	17.32	17.24	17.21	17.24	17.00	16.40	16.53	16.22	15.88	15.33	15.93
05:00	14.83	15.75	16.61	16.90	17.00	17.06	16.69	17.55	17.13	16.64	16.51	16.11	17.03	16.61	16.82	16.30	16.87	16.87	16.79	16.35	17.32	17.24	17.21	17.24	17.00	16.40	16.53	16.22	15.88	15.33	15.93
06:00	15.09	15.69	16.85	16.85	17.24	17.11	16.61	17.66	17.34	16.74	16.79	16.32	17.06	16.72	16.85	16.66	17.11	17.48	17.21	16.45	17.16	17.37	17.34	17.42	17.11	16.22	16.43	16.30	16.11	15.75	15.27
07:00	15.01	15.64	17.06	17.03	17.45	17.37	17.06	17.76	17.76	16.79	16.93	16.48	17.19	16.58	17.24	16.64	16.95	17.42	17.34	16.61	17.42	17.82	17.50	17.08	17.42	16.48	16.45	16.45	16.17	16.56	15.56
08:00	14.78	15.59	16.87	17.40	17.40	17.24	16.72	17.50	17.42	16.85	16.66	16.56	16.66	16.95	17.16	16.74	16.98	17.61	17.63	16.53	17.13	17.50	17.42	17.06	17.16	16.72	16.72	16.32	16.03	17.50	15.27
09:00	14.93	15.67	16.79	17.27	17.34	17.11	16.35	17.42	17.42	16.93	16.66	16.64	16.56	16.79	17.03	16.82	16.90	17.66	17.29	16.45	17.03	17.32	17.48	16.93	17.11	16.56	16.58	16.30	16.19	17.24	15.17
10:00	15.22	15.80	17.13	17.11	17.29	16.74	16.48	17.34	17.34	16.45	16.48	16.24	16.72	16.51	16.77	17.11	16.69	17.16	17.13	16.69	17.00	17.55	17.11	17.11	17.13	16.77	16.45	16.32	16.27	16.87	15.22
11:00	15.04	16.19	17.40	17.76	18.03	17.53	16.79	17.61	17.61	16.82	16.66	16.19	16.27	16.45	17.19	17.24	17.50	17.03	17.03	16.48	16.82	17.08	17.76	16.93	17.97	16.85	16.51	16.72	16.35	16.74	15.80
12:00	15.98	16.79	18.03	18.18	18.13	17.87	17.82	17.74	17.74	17.50	16.77	16.19	16.64	16.43	17.06	16.93	18.05	17.24	17.55	16.95	17.92	17.63	18.34	17.34	18.05	16.79	16.87	17.13	16.64	17.84	16.53
13:00	16.27	17.45	18.42	18.13	18.26	18.26	18.31	18.39	18.39	17.53	17.74	16.30	16.93	17.11	17.55	17.50	18.58	17.89	18.08	17.89	18.50	18.34	18.89	17.82	18.26	16.95	16.95	17.48	16.72	18.24	17.00
14:00	16.64	17.84	18.24	18.03	18.81	19.10	18.86	18.79	18.79	17.92	18.63	16.77	17.58	17.76	17.53	18.21	18.92	18.42	18.37	18.29	19.34	18.84	19.70	18.44	18.58	17.48	17.27	17.84	16.69	18.73	17.42
15:00	16.79	17.97	18.50	18.52	18.89	19.44	18.84	19.15	18.73	18.44	18.60	17.45	18.16	18.31	18.13	18.42	19.02	19.07	18.97	18.58	19.41	19.15	20.07	18.08	18.79	17.89	18.13	18.08	17.03	18.92	17.21
16:00	16.72	18.00	18.55	18.55	19.10	18.81	19.07	19.31	18.71	18.42	18.42	18.03	17.95	18.05	18.52	18.60	19.07	19.18	18.60	18.79	19.70	19.31	20.07	18.50	18.81	18.42	18.03	17.79	16.56	18.26	17.06
17:00	16.64	17.87	18.34	18.97	19.07	18.92	18.81	19.15	18.63	18.21	18.65	17.84	17.69	18.29	18.13	18.92	18.65	18.81	18.26	18.42	19.31	19.02	19.68	18.65	18.55	18.26	17.82	17.69	17.76	16.56	16.56
18:00	16.51	17.66	18.10	18.89	18.92	18.79	18.52	18.76	18.55	18.13	18.13	17.66	17.63	17.97	17.87	18.84	18.44	18.86	18.13	18.50	18.76	19.23	19.52	18.42	17.89	17.79	17.34	17.61	16.79	17.40	16.35
19:00	16.24	17.42	18.03	18.71	18.71	18.63	18.18	18.52	18.00	17.76	17.74	17.61	17.24	17.71	17.45	19.00	18.26	18.10	17.61	18.39	18.71	18.92	19.07	18.10	17.71	17.76	16.98	17.08	16.45	17.08	16.03
20:00	16.35	17.24	17.61	18.18	18.47	18.13	17.89	18.16	17.87	17.95	17.32	17.34	17.19	17.34	17.37	18.18	17.89	18.03	17.24	18.08	18.05	18.55	18.73	17.66	17.06	17.00	16.87	17.03	15.85	16.69	15.59
21:00	16.30	17.24	17.55	18.00	17.92	17.89	17.66	17.89	17.76	17.13	17.19	17.24	17.27	17.16	17.24	18.03	17.69	17.48	17.19	18.26	18.03	18.18	18.26	17.42	16.69	16.77	16.51	16.72	15.77	16.51	15.56
22:00	16.01	17.11	17.34	17.84	17.61	17.63	17.63	17.50	17.58	17.58	16.98	17.27	16.95	16.72	17.13	17.61	17.55	17.55	17.11	17.89	17.92	18.00	17.97	16.98	16.72	16.66	16.72	16.17	15.67	16.30	15.54
23:00	16.03	16.77	17.34	17.55	17.61	17.69	17.61	17.66	17.11	17.06	16.98	17.19	17.03	16.58	16.79	17.42	17.29	17.32	17.19	17.63	17.79	17.50	17.55	16.98	16.30	16.77	16.45	16.03	15.56	16.22	15.33
<b>Promedio de SO<sub>2</sub> en 24 h</b>	<b>15.8</b>	<b>16.6</b>	<b>17.4</b>	<b>17.6</b>	<b>17.9</b>	<b>17.8</b>	<b>17.5</b>	<b>18.0</b>	<b>17.3</b>	<b>17.3</b>	<b>17.3</b>	<b>16.8</b>	<b>17.1</b>	<b>17.1</b>	<b>17.2</b>	<b>17.4</b>	<b>17.7</b>	<b>17.7</b>	<b>17.5</b>	<b>17.3</b>	<b>18.0</b>	<b>18.0</b>	<b>18.2</b>	<b>17.5</b>	<b>17.5</b>	<b>16.9</b>	<b>16.8</b>	<b>16.2</b>	<b>16.8</b>	<b>16.0</b>	

250 µg/m<sup>3</sup> en periodo de 24 horas

IE: Interrupción eléctrica en la estación

ID: Insuficiencia de datos para calcular promedio horario o de 24 horas (menor al 75% de datos válidos)



**TÍTULO DEL ESTUDIO:** Evaluación ambiental de seguimiento de la calidad del aire en el área de influencia de la Refinería Talara, ubicada en el distrito de Pariñas, provincia de Talara, departamento de Piura, en enero de 2021

**ESTACIÓN DE MONITOREO:** CA-TA-01      **CÓDIGO DE ACCIÓN:** No aplica

**DATOS DEL EQUIPO**

**EQUIPO:** Estación meteorológica      **MARCA:** Campbell Scientific

**MODELO:** CR1000M      **SERIE:** 30823

FECHA Y HORA	Presión atmosférica (mmHg)	Precipitación (mm)	Temperatura ambiental (°C)	Humedad relativa (%)	Velocidad de Viento (m/s)	Dirección de Viento (°)
1/01/2021 00:00	EE	0.0	21.1	79.9	0.7	150.1
1/01/2021 01:00	EE	0.0	21.6	76.7	1.0	146.7
1/01/2021 02:00	EE	0.0	22.2	74.2	1.4	158.9
1/01/2021 03:00	EE	0.0	22.1	74.0	1.6	150.3
1/01/2021 04:00	EE	0.0	21.9	74.3	1.2	154.3
1/01/2021 05:00	EE	0.0	22.0	73.5	1.4	155.5
1/01/2021 06:00	EE	0.0	22.3	72.4	1.4	144.3
1/01/2021 07:00	EE	0.0	22.8	70.6	2.0	145.4
1/01/2021 08:00	EE	0.0	23.8	66.6	1.9	144.6
1/01/2021 09:00	EE	0.0	25.3	62.2	2.0	151.2
1/01/2021 10:00	EE	0.0	27.1	57.3	1.7	158.7
1/01/2021 11:00	EE	0.0	28.5	54.3	1.6	181.4
1/01/2021 12:00	EE	0.0	27.3	56.5	2.8	257.4
1/01/2021 13:00	EE	0.0	26.5	58.6	2.5	247.0
1/01/2021 14:00	EE	0.0	26.5	58.6	2.5	243.0
1/01/2021 15:00	EE	0.0	25.5	61.7	2.2	258.8
1/01/2021 16:00	EE	0.0	25.8	59.8	1.9	216.1
1/01/2021 17:00	EE	0.0	25.3	60.8	1.8	212.4
1/01/2021 18:00	EE	0.0	24.1	64.9	1.1	198.4
1/01/2021 19:00	EE	0.0	22.6	70.5	0.9	148.4
1/01/2021 20:00	EE	0.0	22.4	71.6	1.0	148.3
1/01/2021 21:00	EE	0.0	22.2	73.2	0.9	136.8
1/01/2021 22:00	EE	0.0	22.1	74.2	0.8	129.2
1/01/2021 23:00	EE	0.0	22.2	73.6	0.8	150.7
2/01/2021 00:00	EE	0.0	22.1	73.1	0.8	146.3
2/01/2021 01:00	EE	0.0	21.9	73.1	0.9	139.7
2/01/2021 02:00	EE	0.0	22.0	72.6	0.9	148.8
2/01/2021 03:00	EE	0.0	22.3	71.4	1.3	149.8
2/01/2021 04:00	EE	0.0	22.6	70.4	1.3	145.2
2/01/2021 05:00	EE	0.0	23.0	68.7	1.4	150.4
2/01/2021 06:00	EE	0.0	22.9	68.7	1.6	152.5
2/01/2021 07:00	EE	0.0	23.4	66.9	1.6	152.8
2/01/2021 08:00	EE	0.0	24.2	63.9	2.3	153.3
2/01/2021 09:00	EE	0.0	25.6	60.4	2.1	149.4
2/01/2021 10:00	EE	0.0	27.5	55.5	1.8	157.9
2/01/2021 11:00	EE	0.0	29.1	50.7	2.0	176.1
2/01/2021 12:00	EE	0.0	28.4	54.2	2.6	254.6
2/01/2021 13:00	EE	0.0	28.2	54.6	2.6	247.8
2/01/2021 14:00	EE	0.0	27.0	57.3	2.6	240.3
2/01/2021 15:00	EE	0.0	26.6	56.8	2.5	237.1
2/01/2021 16:00	EE	0.0	26.4	56.4	3.0	210.0
2/01/2021 17:00	EE	0.0	24.5	63.0	2.2	209.7
2/01/2021 18:00	EE	0.0	23.0	69.6	1.5	215.9
2/01/2021 19:00	EE	0.0	22.7	70.1	1.0	169.1
2/01/2021 20:00	EE	0.0	22.2	72.8	0.9	190.0
2/01/2021 21:00	EE	0.0	22.1	74.9	0.9	210.6
2/01/2021 22:00	EE	0.0	22.4	72.6	0.8	159.3
2/01/2021 23:00	EE	0.0	22.8	70.0	1.0	167.0
3/01/2021 00:00	EE	0.0	23.6	66.2	1.4	155.9
3/01/2021 01:00	EE	0.0	23.1	69.4	2.0	152.7
3/01/2021 02:00	EE	0.0	22.9	70.2	1.6	153.2
3/01/2021 03:00	EE	0.0	22.9	70.7	1.4	153.3
3/01/2021 04:00	EE	0.0	22.8	72.4	1.1	171.7
3/01/2021 05:00	EE	0.0	22.7	73.3	1.4	155.4
3/01/2021 06:00	EE	0.0	22.6	74.4	1.6	146.7
3/01/2021 07:00	EE	0.0	22.8	73.9	1.8	158.6
3/01/2021 08:00	EE	0.0	23.7	70.7	1.3	166.7
3/01/2021 09:00	EE	0.0	25.8	63.0	1.2	184.2
3/01/2021 10:00	EE	0.0	26.1	62.8	2.1	249.1
3/01/2021 11:00	EE	0.0	23.8	70.5	3.8	268.8
3/01/2021 12:00	EE	0.0	24.5	68.3	3.5	264.4
3/01/2021 13:00	EE	0.0	24.2	69.9	3.2	259.7
3/01/2021 14:00	EE	0.0	24.3	69.5	2.5	246.7
3/01/2021 15:00	EE	0.0	24.3	70.0	2.3	250.5
3/01/2021 16:00	EE	0.0	24.3	70.0	2.1	247.9
3/01/2021 17:00	EE	0.0	24.0	68.5	1.9	214.1
3/01/2021 18:00	EE	0.0	22.9	71.9	1.2	213.7
3/01/2021 19:00	EE	0.0	21.9	75.7	1.0	197.8

4

3/01/2021 20:00	EE	0.0	21.3	79.3	0.9	197.3
3/01/2021 21:00	EE	0.0	21.0	82.1	1.0	203.1
3/01/2021 22:00	EE	0.0	20.8	82.9	0.8	168.1
3/01/2021 23:00	EE	0.0	20.4	82.2	0.6	153.8
4/01/2021 00:00	EE	0.0	20.7	79.4	0.7	181.1
4/01/2021 01:00	EE	0.0	20.8	79.4	0.4	175.8
4/01/2021 02:00	EE	0.0	20.9	79.4	0.6	168.2
4/01/2021 03:00	EE	0.0	20.7	80.5	0.7	176.5
4/01/2021 04:00	EE	0.0	20.9	81.0	0.8	142.4
4/01/2021 05:00	EE	0.0	20.9	81.8	0.8	193.4
4/01/2021 06:00	EE	0.0	21.2	81.4	0.9	155.8
4/01/2021 07:00	EE	0.0	22.2	78.5	0.8	170.8
4/01/2021 08:00	EE	0.0	23.8	73.2	1.0	196.5
4/01/2021 09:00	EE	0.0	25.3	65.0	1.5	182.4
4/01/2021 10:00	EE	0.0	27.1	58.1	1.6	225.8
4/01/2021 11:00	EE	0.0	24.6	67.7	3.8	269.4
4/01/2021 12:00	EE	0.0	24.0	70.1	3.6	264.6
4/01/2021 13:00	EE	0.0	23.8	71.6	2.9	245.9
4/01/2021 14:00	EE	0.0	23.4	73.5	3.2	226.6
4/01/2021 15:00	EE	0.0	23.4	73.9	2.8	248.2
4/01/2021 16:00	EE	0.0	23.5	73.7	2.1	245.8
4/01/2021 17:00	EE	0.0	23.8	71.7	1.9	257.3
4/01/2021 18:00	EE	0.0	22.8	74.1	1.2	197.4
4/01/2021 19:00	EE	0.0	22.1	77.6	1.0	181.8
4/01/2021 20:00	EE	0.0	21.5	80.2	0.8	163.1
4/01/2021 21:00	EE	0.0	21.4	79.9	0.9	146.7
4/01/2021 22:00	EE	0.0	21.6	78.4	0.9	135.4
4/01/2021 23:00	EE	0.0	21.6	77.6	0.5	212.2
5/01/2021 00:00	EE	0.0	21.5	77.4	0.4	200.4
5/01/2021 01:00	EE	0.0	21.8	76.0	0.8	155.1
5/01/2021 02:00	EE	0.0	22.1	74.3	0.9	156.3
5/01/2021 03:00	EE	0.0	22.1	74.4	0.9	149.3
5/01/2021 04:00	EE	0.0	22.0	75.0	0.8	140.8
5/01/2021 05:00	EE	0.0	22.2	74.1	0.7	140.4
5/01/2021 06:00	EE	0.0	22.2	74.3	0.7	144.7
5/01/2021 07:00	EE	0.0	22.4	73.5	1.0	148.1
5/01/2021 08:00	EE	0.0	23.6	70.4	1.2	135.6
5/01/2021 09:00	EE	0.0	26.0	61.7	1.2	189.1
5/01/2021 10:00	EE	0.0	26.5	60.5	2.3	237.2
5/01/2021 11:00	EE	0.0	23.5	71.9	3.9	267.0
5/01/2021 12:00	EE	0.0	23.2	73.9	3.4	260.2
5/01/2021 13:00	EE	0.0	24.5	69.6	3.0	264.1
5/01/2021 14:00	EE	0.0	24.3	70.8	2.6	251.7
5/01/2021 15:00	EE	0.0	24.4	70.5	2.1	244.6
5/01/2021 16:00	EE	0.0	25.1	66.5	2.1	233.0
5/01/2021 17:00	EE	0.0	24.0	70.0	2.5	212.2
5/01/2021 18:00	EE	0.0	22.8	75.9	2.2	218.4
5/01/2021 19:00	EE	0.0	21.7	82.0	0.8	199.3
5/01/2021 20:00	EE	0.0	21.3	84.3	0.8	170.1
5/01/2021 21:00	EE	0.0	21.3	85.5	0.6	164.3
5/01/2021 22:00	EE	0.0	21.3	86.2	0.8	154.1
5/01/2021 23:00	EE	0.0	21.1	86.6	0.6	146.8
6/01/2021 00:00	EE	0.0	20.7	86.9	0.6	137.7
6/01/2021 01:00	EE	0.0	20.9	84.7	0.6	158.9
6/01/2021 02:00	EE	0.0	21.7	80.3	0.6	155.3
6/01/2021 03:00	EE	0.0	22.0	78.7	0.4	166.5
6/01/2021 04:00	EE	0.0	22.4	76.8	0.8	141.9
6/01/2021 05:00	EE	0.0	22.6	74.0	1.1	154.3
6/01/2021 06:00	EE	0.0	22.5	74.3	1.0	149.8
6/01/2021 07:00	EE	0.0	23.1	71.9	1.0	161.0
6/01/2021 08:00	EE	0.0	25.4	62.2	1.3	156.5
6/01/2021 09:00	EE	0.0	27.6	53.5	1.3	165.0
6/01/2021 10:00	EE	0.0	29.1	49.8	1.1	197.3
6/01/2021 11:00	EE	0.0	27.1	58.3	3.5	267.7
6/01/2021 12:00	EE	0.0	26.8	59.5	3.0	261.9
6/01/2021 13:00	EE	0.0	25.7	64.0	3.0	255.9
6/01/2021 14:00	EE	0.0	26.1	62.4	2.6	262.0
6/01/2021 15:00	EE	0.0	25.4	66.6	2.5	253.4
6/01/2021 16:00	EE	0.0	23.7	72.9	2.5	233.7
6/01/2021 17:00	EE	0.0	24.2	71.6	1.6	247.4
6/01/2021 18:00	EE	0.0	23.5	71.5	1.3	203.8
6/01/2021 19:00	EE	0.0	22.4	75.8	0.7	181.9
6/01/2021 20:00	EE	0.0	22.1	77.1	0.8	155.9
6/01/2021 21:00	EE	0.0	21.9	77.4	0.7	177.6
6/01/2021 22:00	EE	0.0	21.5	79.9	0.7	202.2
6/01/2021 23:00	EE	0.0	21.5	79.8	0.5	154.9
7/01/2021 00:00	EE	0.0	21.3	79.5	0.7	163.5
7/01/2021 01:00	EE	0.0	21.0	80.0	0.4	154.9
7/01/2021 02:00	EE	0.0	21.2	77.8	0.7	149.3
7/01/2021 03:00	EE	0.0	21.7	73.8	0.8	148.0
7/01/2021 04:00	EE	0.0	22.0	71.8	1.0	145.3
7/01/2021 05:00	EE	0.0	22.0	71.7	1.2	139.3
7/01/2021 06:00	EE	0.0	22.2	70.8	1.0	156.2
7/01/2021 07:00	EE	0.0	23.6	65.0	1.2	157.0
7/01/2021 08:00	EE	0.0	25.3	58.5	1.7	151.5
7/01/2021 09:00	EE	0.0	26.7	55.1	1.7	153.0
7/01/2021 10:00	EE	0.0	28.4	51.8	1.3	165.7
7/01/2021 11:00	EE	0.0	29.2	51.0	2.0	214.8
7/01/2021 12:00	EE	0.0	27.3	60.4	3.0	255.2
7/01/2021 13:00	EE	0.0	28.4	54.9	2.6	235.7
7/01/2021 14:00	EE	0.0	27.3	58.6	3.5	232.8
7/01/2021 15:00	EE	0.0	26.0	64.2	2.9	240.5
7/01/2021 16:00	EE	0.0	26.0	61.1	2.8	219.5
7/01/2021 17:00	EE	0.0	24.9	63.3	3.0	211.9
7/01/2021 18:00	EE	0.0	23.7	68.1	1.9	208.0

7

8

7/01/2021 19:00	EE	0.0	22.5	74.5	1.4	188.5
7/01/2021 20:00	EE	0.0	22.4	74.8	1.5	218.9
7/01/2021 21:00	EE	0.0	22.1	76.8	0.8	155.6
7/01/2021 22:00	EE	0.0	21.5	80.3	0.7	164.7
7/01/2021 23:00	EE	0.0	21.3	80.8	0.4	166.2
8/01/2021 00:00	EE	0.0	21.2	80.7	0.4	166.3
8/01/2021 01:00	EE	0.0	21.3	79.5	0.4	151.6
8/01/2021 02:00	EE	0.0	21.4	79.4	0.3	149.8
8/01/2021 03:00	EE	0.0	21.5	80.4	0.4	208.5
8/01/2021 04:00	EE	0.0	21.4	82.8	0.3	158.1
8/01/2021 05:00	EE	0.0	21.2	84.5	0.4	193.3
8/01/2021 06:00	EE	0.0	21.5	82.7	0.6	201.7
8/01/2021 07:00	EE	0.0	22.2	79.7	0.7	202.1
8/01/2021 08:00	EE	0.0	23.4	75.8	1.0	145.0
8/01/2021 09:00	EE	0.0	24.2	73.4	1.0	174.2
8/01/2021 10:00	EE	0.0	25.1	70.9	1.3	205.1
8/01/2021 11:00	EE	0.0	26.1	67.5	1.5	190.8
8/01/2021 12:00	EE	0.0	27.2	62.7	2.3	223.0
8/01/2021 13:00	EE	0.0	26.5	66.9	2.8	249.6
8/01/2021 14:00	EE	0.0	26.2	68.2	2.8	242.4
8/01/2021 15:00	EE	0.0	25.0	73.5	2.9	235.7
8/01/2021 16:00	EE	0.0	24.3	75.5	2.9	237.0
8/01/2021 17:00	EE	0.0	24.4	75.2	2.4	229.4
8/01/2021 18:00	EE	0.0	23.6	76.8	2.0	211.0
8/01/2021 19:00	EE	0.0	22.5	82.8	1.2	202.2
8/01/2021 20:00	EE	0.0	22.3	83.9	1.0	161.6
8/01/2021 21:00	EE	0.0	22.2	84.5	0.8	183.3
8/01/2021 22:00	EE	0.0	22.0	85.5	0.8	192.0
8/01/2021 23:00	EE	0.0	21.9	85.1	0.7	197.4
9/01/2021 00:00	EE	0.0	21.9	85.2	0.7	185.8
9/01/2021 01:00	EE	0.0	21.9	85.4	0.8	190.4
9/01/2021 02:00	EE	0.0	22.2	84.3	0.8	169.7
9/01/2021 03:00	EE	0.0	22.3	84.8	1.1	149.8
9/01/2021 04:00	EE	0.0	22.2	84.6	1.2	153.8
9/01/2021 05:00	EE	0.0	22.1	85.1	1.5	149.1
9/01/2021 06:00	EE	0.0	22.0	85.5	1.4	150.4
9/01/2021 07:00	ID	ID	ID	ID	ID	ID
9/01/2021 08:00	IE	IE	IE	IE	IE	IE
9/01/2021 09:00	IE	IE	IE	IE	IE	IE
9/01/2021 10:00	IE	IE	IE	IE	IE	IE
9/01/2021 11:00	IE	IE	IE	IE	IE	IE
9/01/2021 12:00	IE	IE	IE	IE	IE	IE
9/01/2021 13:00	IE	IE	IE	IE	IE	IE
9/01/2021 14:00	ID	ID	ID	ID	ID	ID
9/01/2021 15:00	EE	0.0	25.6	71.8	2.9	246.2
9/01/2021 16:00	EE	0.0	24.8	75.4	2.1	232.7
9/01/2021 17:00	EE	0.0	24.4	75.1	2.0	234.1
9/01/2021 18:00	EE	0.0	24.1	73.8	1.8	216.5
9/01/2021 19:00	EE	0.0	23.2	78.1	1.6	211.2
9/01/2021 20:00	EE	0.0	22.8	81.0	1.3	206.6
9/01/2021 21:00	EE	0.0	22.4	82.6	0.7	180.1
9/01/2021 22:00	EE	0.0	22.5	82.1	0.8	158.4
9/01/2021 23:00	EE	0.0	22.7	80.5	0.7	188.9
10/01/2021 00:00	EE	0.0	22.9	79.0	0.6	120.5
10/01/2021 01:00	EE	0.0	23.1	76.6	0.8	151.4
10/01/2021 02:00	EE	0.0	23.2	74.2	1.3	159.9
10/01/2021 03:00	EE	0.0	23.0	75.2	1.6	150.0
10/01/2021 04:00	EE	0.0	22.9	75.7	1.8	154.1
10/01/2021 05:00	EE	0.0	22.9	75.3	1.7	146.1
10/01/2021 06:00	EE	0.0	22.6	76.7	1.7	146.6
10/01/2021 07:00	EE	0.0	22.6	77.2	1.6	158.3
10/01/2021 08:00	EE	0.0	24.0	72.0	1.3	153.2
10/01/2021 09:00	EE	0.0	26.2	63.7	1.4	176.8
10/01/2021 10:00	EE	0.0	28.0	56.2	1.4	175.9
10/01/2021 11:00	EE	0.0	28.5	56.6	2.5	213.3
10/01/2021 12:00	EE	0.0	28.0	59.9	2.8	236.7
10/01/2021 13:00	EE	0.0	28.5	55.6	3.1	221.3
10/01/2021 14:00	EE	0.0	27.3	61.0	3.2	218.0
10/01/2021 15:00	EE	0.0	26.2	67.3	2.9	232.9
10/01/2021 16:00	EE	0.0	25.9	65.5	2.7	217.8
10/01/2021 17:00	EE	0.0	25.2	66.4	2.4	211.4
10/01/2021 18:00	EE	0.0	24.0	71.6	1.9	207.8
10/01/2021 19:00	EE	0.0	23.3	74.8	1.3	203.4
10/01/2021 20:00	EE	0.0	23.1	76.7	1.0	185.8
10/01/2021 21:00	EE	0.0	22.8	79.7	0.8	184.6
10/01/2021 22:00	EE	0.0	23.1	77.2	0.8	154.8
10/01/2021 23:00	EE	0.0	23.2	75.9	0.7	170.3
11/01/2021 00:00	EE	0.0	23.5	73.1	0.9	163.8
11/01/2021 01:00	EE	0.0	23.5	71.8	1.3	153.2
11/01/2021 02:00	EE	0.0	23.3	71.8	1.6	158.3
11/01/2021 03:00	EE	0.0	23.1	72.4	1.6	151.2
11/01/2021 04:00	EE	0.0	22.7	73.7	1.1	173.8
11/01/2021 05:00	EE	0.0	22.6	74.7	1.3	166.1
11/01/2021 06:00	EE	0.0	22.6	74.7	1.7	158.3
11/01/2021 07:00	EE	0.0	23.1	73.5	2.1	144.5
11/01/2021 08:00	EE	0.0	24.4	68.2	2.2	151.8
11/01/2021 09:00	EE	0.0	26.1	61.2	2.0	148.6
11/01/2021 10:00	EE	0.0	27.9	54.9	1.4	158.5
11/01/2021 11:00	EE	0.0	28.7	53.6	2.3	211.0
11/01/2021 12:00	EE	0.0	28.6	55.9	2.7	227.5
11/01/2021 13:00	EE	0.0	27.4	61.3	3.2	260.4
11/01/2021 14:00	EE	0.0	26.0	67.0	3.4	256.9
11/01/2021 15:00	EE	0.0	24.9	70.9	2.6	237.3
11/01/2021 16:00	EE	0.0	25.3	68.4	2.1	239.6
11/01/2021 17:00	EE	0.0	25.1	67.0	2.2	223.1

11

12

11/01/2021 18:00	EE	0.0	24.0	70.8	1.5	209.3
11/01/2021 19:00	EE	0.0	23.1	75.3	1.1	175.1
11/01/2021 20:00	EE	0.0	22.8	76.3	1.0	184.3
11/01/2021 21:00	EE	0.0	22.9	76.5	0.9	184.8
11/01/2021 22:00	EE	0.0	22.8	78.4	0.7	182.4
11/01/2021 23:00	EE	0.0	22.7	77.7	0.9	184.2
12/01/2021 00:00	EE	0.0	22.8	77.4	0.7	215.8
12/01/2021 01:00	EE	0.0	23.0	77.0	0.7	165.6
12/01/2021 02:00	EE	0.0	23.8	69.3	1.4	159.1
12/01/2021 03:00	EE	0.0	23.8	68.7	1.3	160.4
12/01/2021 04:00	EE	0.0	23.9	68.0	1.4	160.2
12/01/2021 05:00	EE	0.0	23.8	68.8	1.5	156.2
12/01/2021 06:00	EE	0.0	23.7	69.3	1.2	142.6
12/01/2021 07:00	EE	0.0	23.8	68.7	1.6	145.6
12/01/2021 08:00	EE	0.0	24.6	65.8	1.9	157.7
12/01/2021 09:00	EE	0.0	26.1	59.9	1.7	147.9
12/01/2021 10:00	EE	0.0	27.0	56.7	1.4	143.7
12/01/2021 11:00	EE	0.0	28.4	51.6	1.4	190.4
12/01/2021 12:00	EE	0.0	29.7	47.2	2.6	213.5
12/01/2021 13:00	EE	0.0	29.8	47.8	2.8	229.8
12/01/2021 14:00	EE	0.0	28.3	54.0	3.2	242.5
12/01/2021 15:00	EE	0.0	26.8	61.5	2.6	240.2
12/01/2021 16:00	EE	0.0	26.8	59.5	2.9	220.6
12/01/2021 17:00	EE	0.0	26.3	60.1	3.0	226.1
12/01/2021 18:00	EE	0.0	24.9	65.8	2.4	208.7
12/01/2021 19:00	EE	0.0	23.9	70.7	1.5	205.1
12/01/2021 20:00	EE	0.0	23.7	72.9	0.9	144.7
12/01/2021 21:00	EE	0.0	23.7	72.8	0.8	150.7
12/01/2021 22:00	EE	0.0	23.9	70.8	0.8	162.9
12/01/2021 23:00	EE	0.0	23.6	71.7	0.7	164.2

13

13/01/2021 00:00	EE	0.0	23.2	73.7	0.7	179.2
13/01/2021 01:00	EE	0.0	23.2	72.5	0.8	150.2
13/01/2021 02:00	EE	0.0	23.4	69.9	0.6	166.6
13/01/2021 03:00	EE	0.0	22.6	75.0	0.8	150.2
13/01/2021 04:00	EE	0.0	22.0	79.5	0.6	203.5
13/01/2021 05:00	EE	0.0	21.9	79.3	0.7	236.9
13/01/2021 06:00	EE	0.0	22.0	79.0	0.8	141.8
13/01/2021 07:00	EE	0.0	22.6	75.3	1.3	151.0
13/01/2021 08:00	EE	0.0	23.2	72.2	1.9	151.2
13/01/2021 09:00	EE	0.0	24.4	68.0	1.8	148.8
13/01/2021 10:00	EE	0.0	25.9	60.9	1.4	151.0
13/01/2021 11:00	EE	0.0	27.5	55.8	1.3	195.2
13/01/2021 12:00	EE	0.0	28.3	55.5	2.5	223.7
13/01/2021 13:00	EE	0.0	27.9	57.5	2.9	233.1
13/01/2021 14:00	EE	0.0	27.0	61.8	2.6	235.8
13/01/2021 15:00	EE	0.0	26.9	61.3	3.1	227.0
13/01/2021 16:00	EE	0.0	26.3	60.0	3.0	213.1
13/01/2021 17:00	EE	0.0	26.2	60.5	2.1	218.8
13/01/2021 18:00	EE	0.0	25.0	64.7	1.9	217.5
13/01/2021 19:00	EE	0.0	24.6	66.9	1.6	205.1
13/01/2021 20:00	EE	0.0	24.3	68.2	1.1	146.9
13/01/2021 21:00	EE	0.0	23.7	71.5	1.0	161.7
13/01/2021 22:00	EE	0.0	23.9	70.7	0.8	156.7
13/01/2021 23:00	EE	0.0	23.8	71.2	0.8	181.0

14

14/01/2021 00:00	EE	0.0	23.4	72.9	1.0	162.7
14/01/2021 01:00	EE	0.0	23.1	74.3	0.7	168.6
14/01/2021 02:00	EE	0.0	22.7	76.0	0.8	160.4
14/01/2021 03:00	EE	0.0	23.1	73.1	1.4	165.4
14/01/2021 04:00	EE	0.0	23.2	72.5	1.9	158.5
14/01/2021 05:00	EE	0.0	23.2	72.4	1.9	154.5
14/01/2021 06:00	EE	0.0	22.9	75.2	1.6	152.3
14/01/2021 07:00	EE	0.0	22.6	79.4	1.2	151.8
14/01/2021 08:00	EE	0.0	23.2	76.2	1.5	158.3
14/01/2021 09:00	EE	0.0	24.9	65.6	2.0	142.8
14/01/2021 10:00	EE	0.0	26.6	59.2	1.9	151.6
14/01/2021 11:00	EE	0.0	28.8	52.5	1.7	159.4
14/01/2021 12:00	EE	0.0	29.9	51.2	2.0	190.5
14/01/2021 13:00	EE	0.0	29.2	54.8	3.0	242.4
14/01/2021 14:00	EE	0.0	26.9	63.5	3.2	247.6
14/01/2021 15:00	EE	0.0	24.5	71.1	2.9	229.1
14/01/2021 16:00	EE	0.0	25.4	66.3	2.5	228.0
14/01/2021 17:00	EE	0.0	25.0	65.8	2.6	211.3
14/01/2021 18:00	EE	0.0	23.8	70.7	2.0	211.0
14/01/2021 19:00	EE	0.0	23.0	74.2	1.6	209.7
14/01/2021 20:00	EE	0.0	22.9	75.5	1.0	193.6
14/01/2021 21:00	EE	0.0	22.5	78.1	0.8	199.0
14/01/2021 22:00	EE	0.0	22.4	79.1	0.7	191.1
14/01/2021 23:00	EE	0.0	22.5	78.4	0.7	204.8

15

15/01/2021 00:00	EE	0.0	22.3	79.4	0.5	211.7
15/01/2021 01:00	EE	0.0	22.5	78.1	0.5	149.7
15/01/2021 02:00	EE	0.0	22.8	76.3	0.5	192.8
15/01/2021 03:00	EE	0.0	23.2	74.2	1.0	183.0
15/01/2021 04:00	EE	0.0	23.3	73.6	0.8	138.5
15/01/2021 05:00	EE	0.0	23.0	75.8	0.8	133.0
15/01/2021 06:00	EE	0.0	23.0	75.7	1.0	188.2
15/01/2021 07:00	EE	0.0	23.5	73.7	1.3	171.2
15/01/2021 08:00	EE	0.0	24.3	70.8	1.0	144.5
15/01/2021 09:00	EE	0.0	26.1	64.0	1.6	152.8
15/01/2021 10:00	EE	0.0	27.1	60.0	1.4	154.7
15/01/2021 11:00	EE	0.0	28.1	57.8	1.6	205.0
15/01/2021 12:00	EE	0.0	27.9	58.3	2.3	214.0
15/01/2021 13:00	EE	0.0	28.0	57.6	2.6	216.4
15/01/2021 14:00	EE	0.0	27.6	58.4	2.8	224.8
15/01/2021 15:00	EE	0.0	25.6	66.6	2.1	264.2
15/01/2021 16:00	EE	0.0	25.1	67.3	1.7	239.9

16

15/01/2021 17:00	EE	0.0	24.4	68.2	1.8	210.3
15/01/2021 18:00	EE	0.0	23.5	71.1	1.2	206.0
15/01/2021 19:00	EE	0.0	23.0	73.0	0.8	206.9
15/01/2021 20:00	EE	0.0	22.9	74.5	1.0	155.0
15/01/2021 21:00	EE	0.0	22.8	75.5	1.0	157.5
15/01/2021 22:00	EE	0.0	23.1	73.7	0.9	151.0
15/01/2021 23:00	EE	0.0	23.2	73.2	0.7	156.8
16/01/2021 00:00	EE	0.0	23.3	72.3	0.7	160.2
16/01/2021 01:00	EE	0.0	24.1	67.3	1.6	152.1
16/01/2021 02:00	EE	0.0	24.2	66.4	1.2	153.4
16/01/2021 03:00	EE	0.0	24.2	64.9	1.5	149.0
16/01/2021 04:00	EE	0.0	24.0	65.0	1.1	160.1
16/01/2021 05:00	EE	0.0	23.7	66.8	1.0	157.4
16/01/2021 06:00	EE	0.0	23.5	67.6	1.4	170.3
16/01/2021 07:00	EE	0.0	23.6	67.9	1.4	158.6
16/01/2021 08:00	EE	0.0	23.8	69.6	1.2	153.1
16/01/2021 09:00	EE	0.0	24.2	72.0	0.9	152.0
16/01/2021 10:00	EE	0.0	25.4	68.7	1.1	161.7
16/01/2021 11:00	EE	0.0	27.0	63.3	1.1	173.5
16/01/2021 12:00	EE	0.0	28.2	59.8	1.4	196.3
16/01/2021 13:00	EE	0.0	28.6	59.8	2.1	240.8
16/01/2021 14:00	EE	0.0	25.1	71.2	3.4	272.0
16/01/2021 15:00	EE	0.0	24.6	72.7	3.0	271.7
16/01/2021 16:00	EE	0.0	24.6	71.9	2.4	262.9
16/01/2021 17:00	EE	0.0	23.9	73.4	2.1	262.6
16/01/2021 18:00	EE	0.0	22.8	77.2	1.4	256.0
16/01/2021 19:00	EE	0.0	22.6	78.1	0.8	232.6
16/01/2021 20:00	EE	0.0	22.4	79.6	0.7	178.1
16/01/2021 21:00	EE	0.0	22.2	80.7	0.6	168.4
16/01/2021 22:00	EE	0.0	22.2	80.4	0.7	171.1
16/01/2021 23:00	EE	0.0	22.3	80.3	1.1	148.5
17/01/2021 00:00	EE	0.0	23.2	77.0	1.4	139.8
17/01/2021 01:00	EE	0.0	23.9	73.1	1.4	154.0
17/01/2021 02:00	EE	0.0	23.9	71.8	1.6	153.6
17/01/2021 03:00	EE	0.0	23.6	72.8	1.6	149.2
17/01/2021 04:00	EE	0.0	23.1	75.2	1.3	143.2
17/01/2021 05:00	EE	0.0	22.8	76.8	1.5	156.0
17/01/2021 06:00	EE	0.0	22.9	76.1	1.4	150.6
17/01/2021 07:00	EE	0.0	23.5	74.8	1.6	157.3
17/01/2021 08:00	EE	0.0	25.3	69.6	1.8	160.7
17/01/2021 09:00	EE	0.0	28.1	60.0	1.3	137.0
17/01/2021 10:00	EE	0.0	30.1	51.7	1.5	202.0
17/01/2021 11:00	EE	0.0	27.4	60.8	3.3	264.8
17/01/2021 12:00	EE	0.0	26.4	64.3	3.7	265.6
17/01/2021 13:00	EE	0.0	26.5	63.6	3.6	264.1
17/01/2021 14:00	EE	0.0	26.3	63.5	2.7	252.8
17/01/2021 15:00	EE	0.0	25.4	67.3	2.2	256.0
17/01/2021 16:00	EE	0.0	25.2	68.2	2.2	254.2
17/01/2021 17:00	EE	0.0	25.1	66.3	1.9	213.9
17/01/2021 18:00	EE	0.0	23.8	71.2	1.3	195.2
17/01/2021 19:00	EE	0.0	22.6	75.2	1.1	157.0
17/01/2021 20:00	EE	0.0	22.5	75.9	0.9	150.6
17/01/2021 21:00	EE	0.0	23.0	73.9	0.9	153.8
17/01/2021 22:00	EE	0.0	23.3	72.4	0.8	152.2
17/01/2021 23:00	EE	0.0	23.6	70.5	1.2	162.0
18/01/2021 00:00	EE	0.0	23.7	69.3	1.0	147.3
18/01/2021 01:00	EE	0.0	23.6	69.1	1.0	157.2
18/01/2021 02:00	EE	0.0	23.7	68.3	0.7	154.7
18/01/2021 03:00	EE	0.0	23.5	68.8	0.7	141.6
18/01/2021 04:00	EE	0.0	23.4	69.2	0.7	158.4
18/01/2021 05:00	EE	0.0	23.4	69.3	0.7	209.8
18/01/2021 06:00	EE	0.0	23.2	70.9	0.9	222.5
18/01/2021 07:00	EE	0.0	23.2	72.1	0.8	217.7
18/01/2021 08:00	EE	0.0	24.1	69.5	0.8	214.5
18/01/2021 09:00	EE	0.0	25.8	63.1	1.1	211.5
18/01/2021 10:00	EE	0.0	26.8	60.0	1.3	220.6
18/01/2021 11:00	EE	0.0	27.7	57.2	1.1	205.8
18/01/2021 12:00	EE	0.0	27.3	58.9	2.0	257.3
18/01/2021 13:00	EE	0.0	25.6	65.7	3.4	267.4
18/01/2021 14:00	EE	0.0	25.6	66.6	2.5	254.6
18/01/2021 15:00	EE	0.0	24.5	70.3	2.9	269.7
18/01/2021 16:00	EE	0.0	24.4	70.0	2.3	260.0
18/01/2021 17:00	EE	0.0	24.3	68.2	1.8	237.4
18/01/2021 18:00	EE	0.0	24.3	67.7	1.2	229.1
18/01/2021 19:00	EE	0.0	22.8	73.8	1.0	198.4
18/01/2021 20:00	EE	0.0	21.9	78.9	0.8	160.0
18/01/2021 21:00	EE	0.0	21.5	81.5	0.9	144.4
18/01/2021 22:00	EE	0.0	21.9	79.3	0.6	176.4
18/01/2021 23:00	EE	0.0	22.0	78.0	0.3	171.9
19/01/2021 00:00	EE	0.0	22.3	76.1	0.3	213.6
19/01/2021 01:00	EE	0.0	23.0	72.6	0.7	139.5
19/01/2021 02:00	EE	0.0	23.5	70.3	1.6	157.6
19/01/2021 03:00	EE	0.0	23.8	68.0	1.5	159.3
19/01/2021 04:00	EE	0.0	23.3	71.6	0.9	144.5
19/01/2021 05:00	EE	0.0	23.3	70.8	0.8	152.0
19/01/2021 06:00	EE	0.0	23.2	72.0	0.9	151.5
19/01/2021 07:00	EE	0.0	23.4	71.8	1.3	145.5
19/01/2021 08:00	EE	0.0	25.1	66.0	0.7	153.4
19/01/2021 09:00	EE	0.0	27.0	57.7	1.3	144.5
19/01/2021 10:00	EE	0.0	28.2	53.8	1.2	201.0
19/01/2021 11:00	EE	0.0	29.2	50.7	1.4	214.3
19/01/2021 12:00	EE	0.0	28.5	53.8	2.5	248.3
19/01/2021 13:00	EE	0.0	28.5	54.2	2.3	247.1
19/01/2021 14:00	EE	0.0	27.8	56.2	2.4	247.2
19/01/2021 15:00	EE	0.0	25.8	62.1	2.4	243.4

19

20

19/01/2021 16:00	EE	0.0	26.3	60.2	2.1	228.0
19/01/2021 17:00	EE	0.0	26.2	59.4	1.2	197.7
19/01/2021 18:00	EE	0.0	24.2	65.2	1.0	147.4
19/01/2021 19:00	EE	0.0	23.3	68.0	1.0	143.1
19/01/2021 20:00	EE	0.0	22.6	71.7	0.9	127.0
19/01/2021 21:00	EE	0.0	22.2	74.4	0.7	152.5
19/01/2021 22:00	EE	0.0	22.7	72.4	0.6	162.2
19/01/2021 23:00	EE	0.0	23.3	69.8	0.7	149.7
20/01/2021 00:00	EE	0.0	23.2	69.0	1.2	149.4
20/01/2021 01:00	EE	0.0	23.6	65.6	1.1	148.0
20/01/2021 02:00	EE	0.0	23.8	64.3	1.5	154.8
20/01/2021 03:00	EE	0.0	23.8	63.8	1.5	150.2
20/01/2021 04:00	EE	0.0	23.4	65.1	1.5	159.4
20/01/2021 05:00	EE	0.0	23.3	66.1	1.6	152.1
20/01/2021 06:00	EE	0.0	23.5	66.0	1.9	159.8
20/01/2021 07:00	EE	0.0	23.8	65.5	1.7	160.5
20/01/2021 08:00	EE	0.0	24.5	63.0	1.8	146.0
20/01/2021 09:00	EE	0.0	25.2	60.4	1.6	153.8
20/01/2021 10:00	EE	0.0	26.7	56.9	1.5	145.0
20/01/2021 11:00	EE	0.0	28.6	52.3	1.2	163.1
20/01/2021 12:00	EE	0.0	28.1	55.4	2.1	233.6
20/01/2021 13:00	EE	0.0	26.8	60.9	2.5	263.4
20/01/2021 14:00	EE	0.0	27.3	58.6	2.1	240.5
20/01/2021 15:00	EE	0.0	25.2	67.6	2.4	262.3
20/01/2021 16:00	EE	0.0	25.9	63.2	2.0	222.8
20/01/2021 17:00	EE	0.0	25.6	64.0	2.3	218.7
20/01/2021 18:00	EE	0.0	23.8	70.9	1.7	219.8
20/01/2021 19:00	EE	0.0	22.7	77.3	1.0	190.4
20/01/2021 20:00	EE	0.0	22.0	81.5	0.9	169.9
20/01/2021 21:00	EE	0.0	21.9	81.3	0.7	177.9
20/01/2021 22:00	EE	0.0	21.8	80.5	0.7	149.2
20/01/2021 23:00	EE	0.0	21.9	79.6	0.8	209.2
21/01/2021 00:00	EE	0.0	21.9	80.3	0.6	233.4
21/01/2021 01:00	EE	0.0	21.7	81.3	0.6	140.4
21/01/2021 02:00	EE	0.0	22.1	78.7	1.0	148.7
21/01/2021 03:00	EE	0.0	22.8	75.9	1.3	155.4
21/01/2021 04:00	EE	0.0	23.1	74.8	1.8	159.2
21/01/2021 05:00	EE	0.0	23.0	74.6	1.9	149.5
21/01/2021 06:00	EE	0.0	23.0	73.6	1.7	151.7
21/01/2021 07:00	EE	0.0	23.4	72.0	2.1	155.3
21/01/2021 08:00	EE	0.0	24.5	67.1	2.0	150.2
21/01/2021 09:00	EE	0.0	26.2	60.4	1.9	143.3
21/01/2021 10:00	EE	0.0	28.8	52.7	1.3	165.8
21/01/2021 11:00	EE	0.0	30.1	50.1	1.4	195.4
21/01/2021 12:00	EE	0.0	28.2	60.5	2.6	257.9
21/01/2021 13:00	EE	0.0	27.3	64.2	3.0	255.7
21/01/2021 14:00	EE	0.0	28.3	59.5	2.7	253.7
21/01/2021 15:00	EE	0.0	27.4	63.6	2.4	244.1
21/01/2021 16:00	EE	0.0	26.0	68.1	2.4	224.6
21/01/2021 17:00	EE	0.0	25.3	66.9	1.8	208.9
21/01/2021 18:00	EE	0.0	24.1	71.4	1.4	207.7
21/01/2021 19:00	EE	0.0	23.8	73.3	0.9	148.6
21/01/2021 20:00	EE	0.0	23.5	74.2	0.8	182.2
21/01/2021 21:00	EE	0.0	23.5	74.6	0.6	158.8
21/01/2021 22:00	EE	0.0	23.9	72.2	0.7	181.3
21/01/2021 23:00	EE	0.0	23.9	73.4	0.6	198.1
22/01/2021 00:00	EE	0.0	23.8	74.0	0.8	202.6
22/01/2021 01:00	EE	0.0	23.9	73.4	0.9	199.9
22/01/2021 02:00	EE	0.0	23.6	74.8	1.0	209.3
22/01/2021 03:00	EE	0.0	23.4	74.7	1.4	210.3
22/01/2021 04:00	EE	0.0	23.2	74.7	1.0	193.7
22/01/2021 05:00	EE	0.0	23.0	76.0	1.0	149.3
22/01/2021 06:00	EE	0.0	22.7	77.6	0.9	158.6
22/01/2021 07:00	EE	0.0	23.0	75.1	1.2	161.1
22/01/2021 08:00	EE	0.0	24.0	70.5	1.7	152.3
22/01/2021 09:00	EE	0.0	25.9	63.7	1.7	154.2
22/01/2021 10:00	EE	0.0	27.0	59.3	1.3	165.9
22/01/2021 11:00	EE	0.0	28.4	55.1	1.5	215.7
22/01/2021 12:00	EE	0.0	27.5	62.8	2.4	250.8
22/01/2021 13:00	EE	0.0	27.7	62.4	2.3	249.0
22/01/2021 14:00	EE	0.0	26.8	67.7	3.0	258.3
22/01/2021 15:00	EE	0.0	26.1	69.7	2.5	249.5
22/01/2021 16:00	EE	0.0	25.7	72.6	2.4	254.5
22/01/2021 17:00	EE	0.0	25.3	75.8	2.3	243.6
22/01/2021 18:00	EE	0.0	25.1	74.4	1.7	237.8
22/01/2021 19:00	EE	0.0	24.6	76.0	1.7	208.6
22/01/2021 20:00	EE	0.0	24.1	77.4	0.9	183.1
22/01/2021 21:00	EE	0.0	23.6	77.5	0.8	159.1
22/01/2021 22:00	EE	0.0	23.4	77.8	0.7	159.8
22/01/2021 23:00	EE	0.0	23.4	79.0	0.6	174.0
23/01/2021 00:00	EE	0.0	23.7	76.4	0.5	165.5
23/01/2021 01:00	EE	0.0	24.1	73.3	0.5	168.3
23/01/2021 02:00	EE	0.0	24.1	71.5	1.1	157.2
23/01/2021 03:00	EE	0.0	24.6	66.5	1.3	153.9
23/01/2021 04:00	EE	0.0	24.4	66.0	1.4	156.0
23/01/2021 05:00	EE	0.0	24.2	66.9	1.3	147.8
23/01/2021 06:00	EE	0.0	23.9	68.7	1.4	154.1
23/01/2021 07:00	EE	0.0	24.2	68.1	1.4	139.2
23/01/2021 08:00	EE	0.0	26.1	61.6	1.6	148.1
23/01/2021 09:00	EE	0.0	28.0	55.1	1.5	141.9
23/01/2021 10:00	EE	0.0	29.7	50.8	1.3	189.9
23/01/2021 11:00	EE	0.0	30.4	51.9	2.4	257.9
23/01/2021 12:00	EE	0.0	28.4	61.9	3.1	253.2
23/01/2021 13:00	EE	0.0	28.0	64.4	2.9	255.6
23/01/2021 14:00	EE	0.0	27.5	66.0	2.8	243.8

23

24

23/01/2021 15:00	EE	0.0	26.8	69.4	3.1	248.6
23/01/2021 16:00	EE	0.0	26.4	74.5	2.8	251.7
23/01/2021 17:00	EE	0.0	26.3	74.6	2.0	236.1
23/01/2021 18:00	EE	0.0	25.9	74.6	1.6	220.7
23/01/2021 19:00	EE	0.0	25.2	76.6	1.2	227.5
23/01/2021 20:00	EE	0.0	24.9	78.6	1.2	214.9
23/01/2021 21:00	EE	0.0	24.3	81.6	0.7	176.4
23/01/2021 22:00	EE	0.0	24.1	82.3	0.8	158.0
23/01/2021 23:00	EE	0.0	23.7	83.8	1.0	201.2
24/01/2021 00:00	EE	0.0	23.7	83.0	1.2	211.0
24/01/2021 01:00	EE	0.0	23.8	81.1	0.7	183.1
24/01/2021 02:00	EE	0.0	24.1	76.7	1.0	170.9
24/01/2021 03:00	EE	0.0	24.3	74.4	1.4	140.8
24/01/2021 04:00	EE	0.0	24.0	76.8	1.5	147.0
24/01/2021 05:00	EE	0.0	23.7	78.1	1.1	159.4
24/01/2021 06:00	EE	0.0	23.5	78.4	1.2	161.1
24/01/2021 07:00	EE	0.0	23.9	75.5	1.5	156.4
24/01/2021 08:00	EE	0.0	24.7	70.6	1.4	163.5
24/01/2021 09:00	EE	0.0	26.3	63.5	1.4	159.4
24/01/2021 10:00	EE	0.0	28.1	57.2	1.2	158.9
24/01/2021 11:00	EE	0.0	30.0	51.3	1.6	214.9
24/01/2021 12:00	EE	0.0	29.1	59.0	2.7	251.5
24/01/2021 13:00	EE	0.0	28.0	65.3	3.2	253.3
24/01/2021 14:00	EE	0.0	26.7	70.2	3.6	252.9
24/01/2021 15:00	EE	0.0	26.8	71.0	3.0	251.0
24/01/2021 16:00	EE	0.0	27.2	67.6	2.1	238.8
24/01/2021 17:00	EE	0.0	27.0	69.5	1.8	235.4
24/01/2021 18:00	EE	0.0	26.1	72.8	1.9	229.7
24/01/2021 19:00	EE	0.0	25.7	73.8	1.2	209.6
24/01/2021 20:00	EE	0.0	25.6	74.6	0.9	189.9
24/01/2021 21:00	EE	0.0	25.5	75.5	0.8	184.9
24/01/2021 22:00	EE	0.0	25.1	77.3	0.8	213.0
24/01/2021 23:00	EE	0.0	25.0	78.0	0.6	188.8
25/01/2021 00:00	EE	0.0	24.9	78.6	0.6	177.2
25/01/2021 01:00	EE	0.0	24.7	77.2	0.5	162.7
25/01/2021 02:00	EE	0.0	24.9	67.8	0.8	162.1
25/01/2021 03:00	EE	0.0	25.1	65.1	0.6	205.6
25/01/2021 04:00	EE	0.0	24.9	67.2	0.6	201.2
25/01/2021 05:00	EE	0.0	24.8	68.5	0.5	202.9
25/01/2021 06:00	EE	0.0	24.6	70.4	0.7	217.3
25/01/2021 07:00	EE	0.0	25.0	66.9	0.6	208.7
25/01/2021 08:00	EE	0.0	26.5	61.5	0.9	182.8
25/01/2021 09:00	EE	0.0	28.1	55.1	0.9	198.9
25/01/2021 10:00	EE	0.0	29.2	52.9	1.8	231.1
25/01/2021 11:00	EE	0.0	28.0	61.4	3.2	255.4
25/01/2021 12:00	EE	0.0	27.5	67.7	3.5	250.5
25/01/2021 13:00	EE	0.0	27.3	70.0	3.2	253.4
25/01/2021 14:00	EE	0.0	27.2	70.6	3.1	248.3
25/01/2021 15:00	EE	0.0	27.0	70.0	3.0	249.3
25/01/2021 16:00	EE	0.0	26.6	71.9	2.8	248.7
25/01/2021 17:00	EE	0.0	26.1	73.6	2.0	235.7
25/01/2021 18:00	EE	0.0	25.9	75.3	1.8	243.1
25/01/2021 19:00	EE	0.0	25.7	76.0	1.5	227.6
25/01/2021 20:00	EE	0.0	25.7	77.0	1.4	212.1
25/01/2021 21:00	EE	0.0	25.6	78.0	1.1	210.9
25/01/2021 22:00	EE	0.0	25.4	78.9	1.0	199.4
25/01/2021 23:00	EE	0.0	25.1	78.4	0.8	185.3
26/01/2021 00:00	EE	0.0	24.9	79.6	0.8	219.2
26/01/2021 01:00	EE	0.0	24.8	78.2	0.6	161.5
26/01/2021 02:00	EE	0.0	24.4	70.1	1.1	151.2
26/01/2021 03:00	EE	0.0	24.2	69.6	0.9	167.3
26/01/2021 04:00	EE	0.0	24.0	70.8	0.9	215.7
26/01/2021 05:00	EE	0.0	23.7	71.4	0.6	212.4
26/01/2021 06:00	EE	0.0	23.5	71.5	0.8	165.1
26/01/2021 07:00	EE	0.0	24.4	67.7	1.0	158.5
26/01/2021 08:00	EE	0.0	26.2	57.1	1.2	154.1
26/01/2021 09:00	EE	0.0	27.1	53.9	1.1	169.5
26/01/2021 10:00	EE	0.0	28.8	50.6	1.4	195.5
26/01/2021 11:00	EE	0.0	30.2	49.9	1.6	201.3
26/01/2021 12:00	EE	0.0	30.6	51.3	2.0	209.0
26/01/2021 13:00	EE	0.0	30.0	55.4	2.6	228.3
26/01/2021 14:00	EE	0.0	29.0	61.7	2.8	241.0
26/01/2021 15:00	EE	0.0	27.8	66.7	3.1	235.1
26/01/2021 16:00	EE	0.0	27.8	68.4	2.8	234.8
26/01/2021 17:00	EE	0.0	27.7	64.9	2.2	221.2
26/01/2021 18:00	EE	0.0	26.7	68.8	2.0	212.4
26/01/2021 19:00	EE	0.0	25.9	72.8	1.4	217.5
26/01/2021 20:00	EE	0.0	25.8	74.1	1.1	208.2
26/01/2021 21:00	EE	0.0	25.6	74.7	0.9	188.4
26/01/2021 22:00	EE	0.0	25.4	78.1	0.9	209.1
26/01/2021 23:00	EE	0.0	25.2	77.3	0.8	171.7
27/01/2021 00:00	EE	0.0	25.1	70.1	0.9	168.3
27/01/2021 01:00	EE	0.0	25.0	67.7	1.3	160.3
27/01/2021 02:00	EE	0.0	24.2	72.1	0.7	176.9
27/01/2021 03:00	EE	0.0	23.8	74.7	0.7	187.4
27/01/2021 04:00	EE	0.0	23.5	75.0	0.6	195.9
27/01/2021 05:00	EE	0.0	23.5	74.3	0.8	176.9
27/01/2021 06:00	EE	0.0	23.3	75.4	0.9	153.9
27/01/2021 07:00	EE	0.0	23.6	75.2	0.9	166.9
27/01/2021 08:00	EE	0.0	24.8	71.7	1.0	153.7
27/01/2021 09:00	EE	0.0	26.4	65.2	1.3	193.0
27/01/2021 10:00	EE	0.0	28.2	58.0	1.6	217.2
27/01/2021 11:00	EE	0.0	29.1	57.1	1.7	202.1
27/01/2021 12:00	EE	0.0	29.4	57.1	2.2	206.7
27/01/2021 13:00	EE	0.0	29.6	55.0	3.1	225.0

27

27/01/2021 14:00	EE	0.0	29.2	56.6	2.9	220.0
27/01/2021 15:00	EE	0.0	28.0	64.5	2.7	230.6
27/01/2021 16:00	EE	0.0	27.3	66.4	2.7	214.3
27/01/2021 17:00	EE	0.0	26.4	70.7	2.4	216.2
27/01/2021 18:00	EE	0.0	25.4	75.6	2.3	215.3
27/01/2021 19:00	EE	0.0	24.9	77.5	1.6	201.9
27/01/2021 20:00	EE	0.0	24.7	78.3	1.1	222.4
27/01/2021 21:00	EE	0.0	24.8	79.3	1.1	191.8
27/01/2021 22:00	EE	0.0	25.0	76.9	0.8	178.4
27/01/2021 23:00	EE	0.0	25.4	68.4	0.7	146.6
28/01/2021 00:00	EE	0.0	25.4	66.2	1.0	148.9
28/01/2021 01:00	EE	0.0	24.9	68.2	0.8	161.4
28/01/2021 02:00	EE	0.0	24.4	70.0	0.6	156.8
28/01/2021 03:00	EE	0.0	24.3	70.7	0.7	159.7
28/01/2021 04:00	EE	0.0	24.1	72.0	0.8	155.6
28/01/2021 05:00	EE	0.0	23.8	72.9	1.2	133.7
28/01/2021 06:00	EE	0.0	23.6	74.3	1.4	153.8
28/01/2021 07:00	EE	0.0	23.7	74.8	1.6	151.4
28/01/2021 08:00	EE	0.0	24.8	71.2	1.2	154.2
28/01/2021 09:00	EE	0.0	26.4	64.7	0.9	176.4
28/01/2021 10:00	EE	0.0	27.5	62.2	1.9	249.8
28/01/2021 11:00	EE	0.0	26.6	68.0	3.1	256.6
28/01/2021 12:00	EE	0.0	26.1	70.2	3.7	263.6
28/01/2021 13:00	EE	0.0	26.1	71.6	2.9	257.9
28/01/2021 14:00	EE	0.0	26.2	73.4	2.7	250.1
28/01/2021 15:00	EE	0.0	25.8	76.6	2.3	250.7
28/01/2021 16:00	EE	0.0	25.5	77.0	2.2	256.7
28/01/2021 17:00	EE	0.0	25.3	76.2	1.8	252.8
28/01/2021 18:00	EE	0.0	25.0	78.3	1.5	251.8
28/01/2021 19:00	EE	0.0	24.6	80.1	1.1	239.0
28/01/2021 20:00	EE	0.0	24.6	80.3	1.0	230.2
28/01/2021 21:00	EE	0.0	24.5	79.8	1.1	207.0
28/01/2021 22:00	EE	0.0	24.4	79.7	0.8	169.8
28/01/2021 23:00	EE	0.0	24.4	79.0	0.6	168.8
29/01/2021 00:00	EE	0.0	24.5	79.8	0.4	189.5
29/01/2021 01:00	EE	0.0	24.6	80.1	0.4	200.7
29/01/2021 02:00	EE	0.0	24.7	73.1	0.7	154.4

29

29/01/2021 03:00	EE	0.0	24.4	71.9	1.1	152.4
29/01/2021 04:00	EE	0.0	24.3	71.7	0.8	159.4
29/01/2021 05:00	EE	0.0	24.4	72.1	0.6	150.1
29/01/2021 06:00	EE	0.0	24.4	71.7	0.9	150.2
29/01/2021 07:00	EE	0.0	24.6	67.3	1.4	152.8
29/01/2021 08:00	EE	0.0	25.9	59.4	1.3	160.0
29/01/2021 09:00	EE	0.0	27.8	53.4	1.1	157.9
29/01/2021 10:00	EE	0.0	29.6	49.8	1.4	204.5
29/01/2021 11:00	EE	0.0	28.5	58.0	2.9	248.5
29/01/2021 12:00	EE	0.0	26.0	68.6	3.4	253.7
29/01/2021 13:00	EE	0.0	26.5	67.7	2.4	252.1
29/01/2021 14:00	EE	0.0	25.8	69.4	2.9	250.4
29/01/2021 15:00	EE	0.0	25.6	70.6	2.7	254.8
29/01/2021 16:00	EE	0.0	26.0	70.2	2.4	252.2
29/01/2021 17:00	EE	0.0	26.2	69.8	2.1	252.4
29/01/2021 18:00	EE	0.0	25.8	69.3	1.7	222.9
29/01/2021 19:00	EE	0.0	24.9	72.9	1.4	215.4
29/01/2021 20:00	EE	0.0	24.5	75.5	1.1	210.8
29/01/2021 21:00	EE	0.0	24.2	77.3	0.9	206.1
29/01/2021 22:00	EE	0.0	24.1	79.3	0.9	159.6
29/01/2021 23:00	EE	0.0	24.2	79.0	0.6	160.4
30/01/2021 00:00	EE	0.0	24.3	77.3	0.8	161.7
30/01/2021 01:00	EE	0.0	24.6	73.9	1.0	150.4
30/01/2021 02:00	EE	0.0	24.8	65.3	1.5	152.9
30/01/2021 03:00	EE	0.0	24.9	63.5	1.3	149.5
30/01/2021 04:00	EE	0.0	24.9	61.7	1.3	145.2
30/01/2021 05:00	EE	0.0	25.2	58.6	1.5	154.9
30/01/2021 06:00	EE	0.0	25.1	58.5	1.2	165.5
30/01/2021 07:00	EE	0.0	25.3	57.8	1.2	167.0
30/01/2021 08:00	EE	0.0	26.3	56.8	0.8	184.0
30/01/2021 09:00	EE	0.0	28.8	49.2	1.3	166.1
30/01/2021 10:00	EE	0.0	30.4	45.6	1.4	190.3
30/01/2021 11:00	EE	0.0	29.9	52.3	2.4	242.9
30/01/2021 12:00	EE	0.0	27.0	69.1	3.7	256.7
30/01/2021 13:00	EE	0.0	28.4	64.8	2.8	254.3
30/01/2021 14:00	EE	0.0	28.3	64.1	3.4	256.4
30/01/2021 15:00	EE	0.0	27.5	67.6	2.9	248.0
30/01/2021 16:00	EE	0.0	25.8	74.3	2.7	232.4
30/01/2021 17:00	EE	0.0	25.3	75.3	1.7	237.1
30/01/2021 18:00	EE	0.0	25.5	71.1	1.4	219.6
30/01/2021 19:00	EE	0.0	25.3	72.9	0.8	169.8
30/01/2021 20:00	EE	0.0	24.9	73.1	0.8	204.8
30/01/2021 21:00	EE	0.0	24.7	75.0	0.8	202.9
30/01/2021 22:00	EE	0.0	24.6	77.3	0.6	198.9
30/01/2021 23:00	EE	0.0	24.7	76.2	0.5	186.6
31/01/2021 00:00	EE	0.0	24.8	72.7	1.1	148.1
31/01/2021 01:00	EE	0.0	25.0	63.2	1.2	149.1
31/01/2021 02:00	EE	0.0	24.6	63.8	1.1	146.4
31/01/2021 03:00	EE	0.0	24.2	64.6	1.0	144.5
31/01/2021 04:00	EE	0.0	23.9	65.4	1.1	152.6
31/01/2021 05:00	EE	0.0	23.7	65.9	1.1	145.8
31/01/2021 06:00	EE	0.0	23.8	65.7	1.4	144.4
31/01/2021 07:00	EE	0.0	24.2	64.6	1.4	155.6
31/01/2021 08:00	EE	0.0	25.7	58.5	1.5	147.5
31/01/2021 09:00	EE	0.0	27.4	53.8	1.3	181.5
31/01/2021 10:00	EE	0.0	28.4	52.2	2.0	219.9
31/01/2021 11:00	EE	0.0	28.1	58.9	2.6	232.1
31/01/2021 12:00	EE	0.0	26.5	68.2	3.3	252.7
31/01/2021 13:00	EE	0.0	25.7	73.9	3.7	253.3
31/01/2021 14:00	EE	0.0	25.7	74.1	3.6	246.7
31/01/2021 15:00	EE	0.0	26.2	68.7	3.2	230.7
31/01/2021 16:00	EE	0.0	26.2	68.4	3.0	231.5
31/01/2021 17:00	EE	0.0	26.0	66.2	2.5	212.3
31/01/2021 18:00	EE	0.0	24.9	71.7	2.3	212.6
31/01/2021 19:00	EE	0.0	24.1	75.5	1.7	213.5
31/01/2021 20:00	EE	0.0	23.9	77.0	1.9	217.8
31/01/2021 21:00	EE	0.0	23.8	78.3	1.5	213.6
31/01/2021 22:00	EE	0.0	23.8	78.2	1.5	209.1
31/01/2021 23:00	EE	0.0	23.7	76.4	1.5	204.5

30

EE: Dato que no cumple criterios del especialista a cargo de la validacion

ID: Insuficiencia de datos para calcular promedio horario o de 24 horas (menor al 75% de datos validos)

IE: Interrupcion electrica en la estacion

0.0	20.4	45.6	0.3
0.0	30.6	86.9	3.9
0.0	24.6	69.9	1.5























Tabla 3.1. Concentraciones horarias de SO<sub>2</sub>

**TÍTULO DEL ESTUDIO:** Evaluación ambiental de seguimiento de la calidad del aire en el área de influencia de la Refinería Talara, ubicada en el distrito de Paríñas, provincia de Talara, departamento de Piura, en febrero de 2021

**ESTACIÓN DE MONITOREO:** CA-TA-01

**CÓDIGO DE ACCIÓN:** No aplica

**EQUIPO:** Analizador automático de gases

**MODELO:** 43i / 450i

**MARCA:** Thermo Scientific

**SERIE:** 825231929 / 1009241444

**DATOS DEL EQUIPO**

Hora/Día	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
00:00	15.1	14.5	15.4	15.8	15.5	16.2	16.7	18.4	17.5	17.5	17.2	16.6	16.5	16.3	14.9	14.8	15.5	15.8	14.6	15.1	15.1	14.9	15.3	14.9	16.5	SD	3.8	1.3	
01:00	15.3	14.4	14.8	15.9	15.8	16.1	16.5	18.0	17.5	17.4	17.3	16.6	16.2	15.9	15.2	15.1	15.7	15.8	14.6	14.9	14.7	14.1	15.1	14.6	16.3	SD	2.9	1.3	
02:00	15.1	14.3	14.2	15.9	15.5	15.5	16.6	18.0	17.3	17.1	17.2	16.0	16.1	15.9	15.1	15.1	15.6	15.6	14.5	15.0	14.4	14.1	14.7	14.4	16.4	SD	1.9	1.4	
03:00	14.8	14.3	14.1	15.7	15.3	15.6	16.3	17.6	17.4	17.0	17.2	16.5	16.2	15.8	15.4	15.3	15.1	15.8	14.6	15.0	13.8	13.9	14.5	14.3	15.7	SD	2.1	1.3	
04:00	15.2	14.3	13.7	15.4	15.2	15.8	15.9	17.2	17.1	17.1	17.1	16.3	16.2	15.7	15.3	15.3	14.7	15.5	14.7	14.9	13.2	13.4	14.3	14.5	15.7	SD	1.9	1.2	
05:00	14.7	14.2	13.8	15.5	15.0	15.7	15.9	17.2	16.8	17.0	17.1	16.6	16.4	15.8	15.3	15.0	14.6	15.5	14.9	14.9	13.2	13.6	13.8	14.0	15.4	SD	1.6	1.3	
06:00	14.9	14.0	14.2	15.3	14.7	15.9	15.8	17.1	16.8	17.2	16.9	16.6	16.4	15.7	15.6	15.5	14.8	15.8	15.0	15.0	13.6	13.7	13.5	14.4	15.4	SD	1.5	1.2	
07:00	15.2	14.1	14.3	15.2	15.1	16.2	15.5	16.9	17.0	17.3	16.9	16.8	16.5	16.8	16.5	15.5	15.5	14.9	15.9	14.9	15.2	13.8	13.7	13.6	14.5	15.4	SD	1.8	1.0
08:00	14.9	13.8	14.2	15.4	15.4	16.4	16.2	17.2	17.0	17.6	16.9	16.8	16.4	15.7	15.8	15.9	14.7	15.8	15.3	14.8	14.1	13.6	13.8	14.4	15.3	SD	1.5	1.2	
09:00	15.1	13.7	14.3	15.3	15.8	16.1	17.0	17.2	17.0	17.5	17.1	16.7	16.0	15.5	15.4	15.4	14.6	15.5	15.0	14.7	14.1	13.3	13.5	13.9	15.2	SD	1.5	1.2	
10:00	14.7	13.9	14.0	14.9	15.9	16.9	17.6	17.0	17.3	17.5	16.9	16.7	15.9	15.4	15.4	15.2	14.5	15.3	14.9	14.3	13.8	13.2	13.4	13.9	15.2	SD	1.3	2.2	
11:00	14.9	13.8	14.5	14.7	16.2	17.1	18.7	17.3	17.0	18.0	17.1	16.9	16.0	15.8	15.6	15.3	14.9	15.5	14.9	14.4	13.7	13.8	13.7	14.7	15.1	SD	6.8	7.8	
12:00	15.0	14.6	15.5	15.0	16.4	17.6	19.3	17.5	17.5	18.1	17.6	16.9	16.8	16.7	16.2	15.7	15.9	16.1	15.5	15.3	14.6	14.3	14.3	15.4	15.9	SD	9.2	18.9	
13:00	15.3	15.4	16.4	16.1	16.1	18.0	19.7	18.0	18.2	18.4	17.7	17.1	18.1	16.7	16.4	16.7	16.7	16.5	15.9	16.0	15.4	15.0	14.6	16.4	16.8	SD	7.8	13.1	
14:00	15.7	16.3	16.8	16.6	16.2	18.5	20.2	18.2	18.3	18.7	18.1	17.7	18.3	16.6	16.6	17.2	16.9	16.4	16.3	16.2	15.8	15.5	14.4	17.0	17.6	SD	8.5	10.2	
15:00	16.5	16.6	17.4	16.6	16.8	18.6	20.2	19.1	18.9	19.4	18.4	18.3	18.7	16.2	17.3	17.2	17.0	16.6	16.7	16.6	16.5	15.9	15.2	17.2	19.1	SD	10.2	7.9	
16:00	16.9	17.0	17.4	17.1	17.7	19.1	20.1	19.2	19.0	19.5	18.4	18.5	19.0	16.0	17.5	17.3	17.3	16.5	16.7	16.5	16.4	16.2	15.4	17.7	SD	4.1	6.3	5.9	
17:00	17.0	17.1	17.5	17.1	17.6	18.9	19.7	19.0	19.2	19.7	18.4	18.6	18.2	15.9	17.4	17.1	17.0	16.5	16.5	16.2	16.2	16.3	15.1	17.3	SD	4.0	4.2	4.5	
18:00	16.7	16.4	17.2	16.4	17.0	18.5	19.4	18.7	18.8	18.9	17.9	17.9	17.7	15.9	17.1	16.7	16.9	16.2	16.4	16.5	15.8	15.8	15.0	17.3	SD	6.5	3.4	2.5	
19:00	16.2	15.8	16.8	16.4	16.9	17.9	18.9	18.0	18.7	18.6	17.8	17.5	17.3	15.8	16.9	16.4	16.9	15.7	16.1	16.1	15.6	15.6	14.7	17.3	SD	4.3	2.5	2.0	
20:00	15.7	15.8	16.5	16.0	16.6	17.3	18.7	18.2	18.4	18.3	17.3	16.9	17.1	15.4	16.5	16.2	16.7	15.4	15.9	15.6	15.5	15.5	14.8	16.9	SD	5.6	1.9	1.7	
21:00	15.5	15.6	16.2	15.6	16.2	17.1	18.9	17.7	17.8	18.2	17.1	16.9	16.7	15.1	16.2	15.9	16.4	15.0	15.4	15.5	15.3	15.2	14.9	16.5	SD	3.9	1.6	1.4	
22:00	15.4	15.5	15.9	15.3	16.3	17.1	18.8	17.5	17.6	18.0	16.9	16.4	16.6	14.9	15.8	15.8	16.1	14.8	15.2	15.5	15.0	15.3	15.1	16.4	SD	3.2	1.4	1.6	
23:00	15.4	15.5	15.8	15.4	16.4	16.7	18.7	17.4	17.8	17.4	16.6	16.2	16.2	15.0	14.7	15.7	15.8	14.7	15.0	15.1	14.8	15.1	15.1	16.1	SD	3.5	1.5	3.1	
Promedio de SO <sub>2</sub> en 24 h	15.5	15.0	15.5	15.8	16.1	17.0	18.0	17.8	17.7	18.0	17.4	17.0	16.9	15.8	16.0	15.9	15.8	15.7	15.4	15.4	14.8	14.6	14.5	15.6	16.0	ID	3.6	4.0	
ECA aire de SO <sub>2</sub>	250 µg/m <sup>3</sup> en periodo de 24 horas																												

Observación:  
SD: Sin dato  
ID: Insuficiencia de datos para calcular promedio (menor del 75%), dato no calculado por no cumplir con la mínima suficiencia de datos (45 minutos o 18 horas)

Nota: Se realizó el cambio y la verificación del equipo analizador Thermo Scientific 450i del 25 de febrero desde las 15:55 horas hasta el 26 hasta las 15:10 horas

15.5 15.0 15.5 15.8 16.1 17.0 18.0 17.8 17.7 18.0 17.4 17.0 16.9 15.8 16.0 15.9 15.8 15.7 15.4 15.4 14.8 14.6 14.5 15.6 16.0 4.4 3.6 4.0



**Tabla 3.2. Datos Meteorológicos**

**TÍTULO DEL ESTUDIO:** Evaluación ambiental de seguimiento de la calidad del aire en el área de influencia de la Refinería Talara, ubicada en el distrito de Paríñas, provincia de Talara, departamento de Piura, en febrero de 2021

**ESTACIÓN DE MONITOREO:** CA-TA-01      **CÓDIGO DE ACCIÓN:** No aplica

**DATOS DEL EQUIPO**

**EQUIPO:** Estación meteorológica      **MARCA:** Campbell Scientific  
**MODELO:** CR1000      **SERIE:** 30824

FECHA Y HORA	Presión atmosférica (mmHg)	Precipitación (mm)	Temperatura ambiental (°C)	Humedad relativa (%)	Velocidad de Viento (m/s)	Dirección de Viento (°)
1/02/2021 00:00	-	0.0	23.5	75.7	0.9	182.7
1/02/2021 01:00	-	0.0	23.2	74.7	1.1	155.6
1/02/2021 02:00	-	0.0	23.2	74.8	1.2	157.4
1/02/2021 03:00	-	0.0	22.9	76.6	1.9	150.1
1/02/2021 04:00	-	0.0	22.6	77.8	2.0	145.5
1/02/2021 05:00	-	0.0	22.4	78.3	2.0	153.1
1/02/2021 06:00	-	0.0	22.2	79.0	2.0	163.9
1/02/2021 07:00	-	0.0	22.4	78.3	2.0	150.4
1/02/2021 08:00	-	0.0	23.5	73.7	1.7	161.5
1/02/2021 09:00	-	0.0	25.1	67.1	1.7	158.1
1/02/2021 10:00	-	0.0	27.2	58.1	1.6	162.8
1/02/2021 11:00	-	0.0	28.5	55.1	2.2	210.5
1/02/2021 12:00	-	0.0	28.9	54.0	2.4	212.6
1/02/2021 13:00	-	0.0	29.1	53.0	2.8	213.2
1/02/2021 14:00	-	0.0	28.3	58.6	3.1	227.8
1/02/2021 15:00	-	0.0	26.9	65.0	2.9	235.1
1/02/2021 16:00	-	0.0	26.4	67.2	2.6	247.0
1/02/2021 17:00	-	0.0	26.1	66.4	2.2	239.2
1/02/2021 18:00	-	0.0	25.3	66.6	2.0	212.1
1/02/2021 19:00	-	0.0	24.5	70.0	1.7	216.6
1/02/2021 20:00	-	0.0	24.3	72.3	1.4	201.6
1/02/2021 21:00	-	0.0	24.1	73.2	0.9	207.1
1/02/2021 22:00	-	0.0	23.9	74.0	0.9	154.4
1/02/2021 23:00	-	0.0	24.4	65.8	1.5	149.4
2/02/2021 00:00	-	0.0	24.3	64.1	1.6	146.7
2/02/2021 01:00	-	0.0	24.0	65.8	2.0	152.7
2/02/2021 02:00	-	0.0	23.8	67.3	1.9	154.8
2/02/2021 03:00	-	0.0	23.6	68.0	1.6	158.8
2/02/2021 04:00	-	0.0	23.3	68.4	1.1	208.8
2/02/2021 05:00	-	0.0	23.0	68.8	1.0	201.2
2/02/2021 06:00	-	0.0	23.1	67.0	1.2	167.2
2/02/2021 07:00	-	0.0	23.1	66.3	1.6	152.2
2/02/2021 08:00	-	0.0	23.9	63.4	1.7	158.3
2/02/2021 09:00	-	0.0	25.6	58.0	1.6	170.5
2/02/2021 10:00	-	0.0	27.5	52.9	1.4	170.6
2/02/2021 11:00	-	0.0	29.0	51.0	1.7	209.4
2/02/2021 12:00	-	0.0	28.2	55.0	2.4	226.7
2/02/2021 13:00	-	0.0	26.2	66.1	3.5	258.7
2/02/2021 14:00	-	0.0	24.8	74.0	3.3	256.1
2/02/2021 15:00	-	0.0	24.8	72.5	2.8	245.4
2/02/2021 16:00	-	0.0	25.1	70.6	2.7	261.8
2/02/2021 17:00	-	0.0	25.3	67.2	1.9	227.0
2/02/2021 18:00	-	0.0	24.4	69.4	1.8	217.8
2/02/2021 19:00	-	0.0	23.8	73.2	1.2	207.8
2/02/2021 20:00	-	0.0	23.6	75.5	0.9	222.8
2/02/2021 21:00	-	0.0	23.7	75.6	0.7	202.6
2/02/2021 22:00	-	0.0	23.8	75.1	0.8	162.6
2/02/2021 23:00	-	0.0	24.0	71.8	1.1	161.1
3/02/2021 00:00	-	0.0	24.4	65.2	1.7	159.7
3/02/2021 01:00	-	0.0	24.1	65.2	1.5	145.5
3/02/2021 02:00	-	0.0	24.1	63.0	1.4	144.3
3/02/2021 03:00	-	0.0	23.9	61.6	1.4	155.3
3/02/2021 04:00	-	0.0	23.7	62.6	1.6	150.0
3/02/2021 05:00	-	0.0	23.5	64.9	1.8	154.2
3/02/2021 06:00	-	0.0	23.5	64.4	1.6	157.7
3/02/2021 07:00	-	0.0	24.1	61.9	1.7	153.2
3/02/2021 08:00	-	0.0	25.0	60.1	1.7	152.3
3/02/2021 09:00	-	0.0	26.4	55.1	2.0	147.0
3/02/2021 10:00	-	0.0	28.7	49.7	1.6	163.7
3/02/2021 11:00	-	0.0	27.1	60.1	3.5	245.7
3/02/2021 12:00	-	0.0	26.8	62.0	2.7	242.5
3/02/2021 13:00	-	0.0	27.4	60.1	2.7	249.4
3/02/2021 14:00	-	0.0	26.1	67.7	3.2	260.3
3/02/2021 15:00	-	0.0	25.4	72.0	2.5	249.2
3/02/2021 16:00	-	0.0	25.1	71.1	2.1	238.0
3/02/2021 17:00	-	0.0	24.6	73.8	2.2	233.3
3/02/2021 18:00	-	0.0	24.3	72.9	1.7	215.9
3/02/2021 19:00	-	0.0	23.7	76.8	1.1	197.4
3/02/2021 20:00	-	0.0	23.5	77.4	0.9	190.9
3/02/2021 21:00	-	0.0	23.3	78.4	1.4	205.6
3/02/2021 22:00	-	0.0	23.3	79.4	1.0	207.1
3/02/2021 23:00	-	0.0	23.2	80.8	0.9	205.6
4/02/2021 00:00	-	0.0	23.3	80.3	0.6	180.4
4/02/2021 01:00	-	0.0	24.0	75.0	0.9	156.7
4/02/2021 02:00	-	0.0	24.5	67.5	1.0	151.7
4/02/2021 03:00	-	0.0	24.2	68.9	0.9	215.5
4/02/2021 04:00	-	0.0	23.5	75.6	1.0	153.3
4/02/2021 05:00	-	0.0	23.8	70.4	1.6	146.8
4/02/2021 06:00	-	0.0	23.8	70.5	1.4	160.4
4/02/2021 07:00	-	0.0	23.8	70.9	1.4	155.2
4/02/2021 08:00	-	0.0	24.3	68.7	1.8	144.5
4/02/2021 09:00	-	0.0	25.3	64.2	1.1	145.1
4/02/2021 10:00	-	0.0	26.8	57.5	1.4	184.6
4/02/2021 11:00	-	0.0	28.7	51.5	1.6	211.7
4/02/2021 12:00	-	0.0	28.5	57.0	2.3	241.4
4/02/2021 13:00	-	0.0	27.0	62.7	2.2	244.2
4/02/2021 14:00	-	0.0	25.6	70.3	2.4	260.2
4/02/2021 15:00	-	0.0	26.0	69.1	2.0	237.9
4/02/2021 16:00	-	0.0	26.4	64.8	1.7	240.1
4/02/2021 17:00	-	0.0	26.0	58.6	2.1	215.4
4/02/2021 18:00	-	0.0	25.1	63.2	0.9	185.5
4/02/2021 19:00	-	0.0	24.4	67.8	0.9	153.9
4/02/2021 20:00	-	0.0	24.3	67.6	0.9	156.4
4/02/2021 21:00	-	0.0	24.4	66.8	0.8	181.2
4/02/2021 22:00	-	0.0	24.2	71.7	0.6	167.9
4/02/2021 23:00	-	0.0	24.3	72.2	0.4	160.8
5/02/2021 00:00	-	0.0	24.4	71.2	0.4	168.6
5/02/2021 01:00	-	0.0	24.3	71.5	0.7	164.0
5/02/2021 02:00	-	0.0	24.5	67.3	0.8	153.3
5/02/2021 03:00	-	0.0	25.0	62.3	0.8	158.8
5/02/2021 04:00	-	0.0	25.1	62.4	0.7	160.9
5/02/2021 05:00	-	0.0	25.1	59.6	0.4	191.2
5/02/2021 06:00	-	0.0	25.2	58.5	0.6	167.0
5/02/2021 07:00	-	0.0	24.9	62.4	1.0	209.0
5/02/2021 08:00	-	0.0	24.5	68.5	1.3	211.9

5	5/02/2021 09:00	-	0.0	24.3	72.9	1.4	214.1
	5/02/2021 10:00	-	0.0	24.6	71.9	1.6	219.8
	5/02/2021 11:00	-	0.0	25.4	69.2	1.9	220.7
	5/02/2021 12:00	-	0.0	25.2	69.2	2.0	215.0
	5/02/2021 13:00	-	0.0	26.8	63.2	1.4	216.8
	5/02/2021 14:00	-	0.0	26.3	57.4	1.3	213.2
	5/02/2021 15:00	-	0.0	27.2	65.7	2.5	262.9
	5/02/2021 16:00	-	0.0	26.7	67.0	2.2	256.0
	5/02/2021 17:00	-	0.0	26.3	64.2	2.3	215.6
	5/02/2021 18:00	-	0.0	25.0	68.3	1.1	213.4
	5/02/2021 19:00	-	0.0	24.3	71.7	1.0	213.0
	5/02/2021 20:00	-	0.0	24.0	73.8	0.7	155.4
6	5/02/2021 21:00	-	0.0	23.9	75.3	0.9	157.1
	5/02/2021 22:00	-	0.0	24.0	75.2	0.8	167.0
	5/02/2021 23:00	-	0.0	24.2	72.1	0.6	201.9
	6/02/2021 00:00	-	0.0	24.4	70.3	0.5	145.9
	6/02/2021 01:00	-	0.0	24.6	68.1	0.4	156.7
	6/02/2021 02:00	-	0.0	24.6	67.2	0.7	183.0
	6/02/2021 03:00	-	0.0	24.8	65.0	0.6	212.9
	6/02/2021 04:00	-	0.0	24.5	66.4	0.5	161.9
	6/02/2021 05:00	-	0.0	24.1	68.7	0.5	176.5
	6/02/2021 06:00	-	0.0	23.4	73.1	0.7	145.6
	6/02/2021 07:00	-	0.0	23.7	72.2	0.8	157.2
	6/02/2021 08:00	-	0.0	25.5	66.0	0.6	186.5
7	6/02/2021 09:00	-	0.0	27.6	60.9	1.2	256.8
	6/02/2021 10:00	-	0.0	28.5	60.8	2.6	270.8
	6/02/2021 11:00	-	0.0	28.0	62.7	3.0	266.2
	6/02/2021 12:00	-	0.0	28.0	63.4	2.6	262.0
	6/02/2021 13:00	-	0.0	28.1	61.3	2.8	263.0
	6/02/2021 14:00	-	0.0	27.1	63.3	2.7	258.3
	6/02/2021 15:00	-	0.0	26.6	67.1	2.4	249.2
	6/02/2021 16:00	-	0.0	27.2	65.1	2.0	258.0
	6/02/2021 17:00	-	0.0	26.6	67.3	1.9	253.7
	6/02/2021 18:00	-	0.0	26.0	64.1	1.5	218.5
	6/02/2021 19:00	-	0.0	24.6	70.1	1.6	201.7
	6/02/2021 20:00	-	0.0	23.9	74.7	0.9	193.5
8	6/02/2021 21:00	-	0.0	23.4	77.1	0.7	135.9
	6/02/2021 22:00	-	0.0	23.3	77.9	0.7	149.4
	6/02/2021 23:00	-	0.0	23.3	78.8	0.5	184.7
	7/02/2021 00:00	-	0.0	23.3	79.4	0.4	166.0
	7/02/2021 01:00	-	0.0	23.4	78.9	0.5	164.8
	7/02/2021 02:00	-	0.0	23.8	75.7	0.8	147.3
	7/02/2021 03:00	-	0.0	24.4	69.3	0.6	152.1
	7/02/2021 04:00	-	0.0	24.9	64.4	1.0	153.4
	7/02/2021 05:00	-	0.0	24.7	64.3	1.1	148.3
	7/02/2021 06:00	-	0.0	24.1	66.1	0.9	154.4
	7/02/2021 07:00	-	0.0	24.7	65.0	0.9	154.3
	7/02/2021 08:00	-	0.0	27.4	58.4	0.8	150.6
9	7/02/2021 09:00	-	0.0	29.8	52.3	1.2	203.1
	7/02/2021 10:00	-	0.0	29.3	55.8	2.1	252.0
	7/02/2021 11:00	-	0.0	28.1	60.3	3.1	267.3
	7/02/2021 12:00	-	0.0	28.6	58.7	2.7	257.2
	7/02/2021 13:00	-	0.0	29.3	55.9	2.5	239.4
	7/02/2021 14:00	-	0.0	27.5	61.8	2.6	233.0
	7/02/2021 15:00	-	0.0	27.4	59.2	2.6	238.8
	7/02/2021 16:00	-	0.0	28.0	55.9	2.7	225.4
	7/02/2021 17:00	-	0.0	27.5	56.6	2.4	210.9
	7/02/2021 18:00	-	0.0	26.1	63.6	1.2	213.8
	7/02/2021 19:00	-	0.0	24.5	70.7	0.9	196.2
	7/02/2021 20:00	-	0.0	23.9	74.0	1.0	187.3
10	7/02/2021 21:00	-	0.0	23.7	75.5	1.1	152.0
	7/02/2021 22:00	-	0.0	23.5	77.9	0.7	189.4
	7/02/2021 23:00	-	0.0	23.6	77.8	0.7	164.3
	8/02/2021 00:00	-	0.0	23.6	76.6	0.8	148.6
	8/02/2021 01:00	-	0.0	23.7	74.2	1.1	148.2
	8/02/2021 02:00	-	0.0	24.4	67.4	1.4	156.1
	8/02/2021 03:00	-	0.0	24.0	68.6	1.5	151.4
	8/02/2021 04:00	-	0.0	23.9	69.1	2.0	154.8
	8/02/2021 05:00	-	0.0	23.6	70.2	2.2	144.6
	8/02/2021 06:00	-	0.0	23.4	70.9	1.6	147.5
	8/02/2021 07:00	-	0.0	23.9	69.6	2.2	153.3
	8/02/2021 08:00	-	0.0	25.1	65.6	1.9	161.9
11	8/02/2021 09:00	-	0.0	27.0	59.8	1.9	149.8
	8/02/2021 10:00	-	0.0	29.0	54.1	1.6	155.5
	8/02/2021 11:00	-	0.0	30.7	49.9	1.8	180.8
	8/02/2021 12:00	-	0.0	31.4	48.6	2.3	207.0
	8/02/2021 13:00	-	0.0	32.1	46.2	2.4	214.5
	8/02/2021 14:00	-	0.0	30.3	53.7	2.6	238.2
	8/02/2021 15:00	-	0.0	28.7	58.3	2.4	247.6
	8/02/2021 16:00	-	0.0	28.5	56.5	2.4	218.3
	8/02/2021 17:00	-	0.0	27.4	59.9	3.1	213.4
	8/02/2021 18:00	-	0.0	26.2	64.1	1.6	215.8
	8/02/2021 19:00	-	0.0	25.1	68.4	0.9	163.8
	8/02/2021 20:00	-	0.0	24.6	70.9	1.3	151.1
12	8/02/2021 21:00	-	0.0	24.2	73.3	1.5	149.5
	8/02/2021 22:00	-	0.0	23.5	78.6	0.9	128.3
	8/02/2021 23:00	-	0.0	23.4	79.0	0.6	177.0
	9/02/2021 00:00	-	0.0	23.2	79.2	0.6	165.8
	9/02/2021 01:00	-	0.0	23.2	77.7	0.9	155.4
	9/02/2021 02:00	-	0.0	23.1	76.8	0.6	164.8
	9/02/2021 03:00	-	0.0	23.3	75.0	0.8	163.4
	9/02/2021 04:00	-	0.0	23.4	73.7	1.2	151.0
	9/02/2021 05:00	-	0.0	23.4	73.2	1.1	162.0
	9/02/2021 06:00	-	0.0	23.1	74.6	0.8	181.0
	9/02/2021 07:00	-	0.0	23.6	73.1	1.0	189.7
	9/02/2021 08:00	-	0.0	25.0	69.0	1.1	186.2
13	9/02/2021 09:00	-	0.0	26.4	65.6	1.5	194.8
	9/02/2021 10:00	-	0.0	27.2	64.2	1.9	217.3
	9/02/2021 11:00	-	0.0	27.1	65.1	2.5	218.4
	9/02/2021 12:00	-	0.0	26.6	68.1	3.2	259.1
	9/02/2021 13:00	-	0.0	25.2	74.6	3.2	261.6
	9/02/2021 14:00	-	0.0	26.3	69.4	3.0	245.1
	9/02/2021 15:00	-	0.0	26.7	68.1	2.4	251.1
	9/02/2021 16:00	-	0.0	26.7	67.0	2.2	248.6
	9/02/2021 17:00	-	0.0	26.0	70.2	1.4	259.2
	9/02/2021 18:00	-	0.0	25.6	71.4	1.6	246.1
	9/02/2021 19:00	-	0.0	24.1	78.8	1.1	238.8
	9/02/2021 20:00	-	0.0	23.9	78.9	0.6	209.6
14	9/02/2021 21:00	-	0.0	23.8	79.0	0.8	151.4
	9/02/2021 22:00	-	0.0	23.9	78.0	0.9	142.8
	9/02/2021 23:00	-	0.0	24.0	76.3	0.8	147.6
	10/02/2021 00:00	-	0.0	24.1	76.3	0.8	146.1
	10/02/2021 01:00	-	0.0	24.5	74.4	0.6	152.2
	10/02/2021 02:00	-	0.0	24.5	74.6	0.3	169.1
	10/02/2021 03:00	-	0.0	24.0	77.9	0.5	145.0
	10/02/2021 04:00	-	0.0	23.4	81.4	0.5	156.2
	10/02/2021 05:00	-	0.0	23.3	81.5	0.7	153.5
	10/02/2021 06:00	-	0.0	23.8	77.9	0.4	157.0
	10/02/2021 07:00	-	0.0	25.2	70.9	0.8	151.1
	10/02/2021 08:00	-	0.0	27.7	60.5	1.1	173.3
15	10/02/2021 09:00	-	0.0	28.7	57.2	1.4	246.5
	10/02/2021 10:00	-	0.0	28.5	59.7	2.7	264.9
	10/02/2021 11:00	-	0.0	28.5	59.8	2.8	265.9
	10/02/2021 12:00	-	0.0	29.1	57.5	2.4	254.0
	10/02/2021 13:00	-	0.0	27.7	64.5	2.8	265.1
	10/02/2021 14:00	-	0.0	27.8	62.1	2.8	267.0
	10/02/2021 15:00	-	0.0	26.8	68.0	2.5	263.0
	10/02/2021 16:00	-	0.0	25.4	74.8	2.4	265.2
	10/02/2021 17:00	-	0.0	25.0	74.8	1.9	266.0
	10/02/2021 18:00	-	0.0	24.5	75.2	1.6	265.0
	10/02/2021 19:00	-	0.0	23.8	79.6	1.1	260.3
	10/02/2021 20:00	-	0.0	23.8	80.3	1.0	258.6

11	10/02/2021 21:00	-	0.0	24.0	79.3	0.8	243.5
	10/02/2021 22:00	-	0.0	24.5	75.0	0.5	205.0
	10/02/2021 23:00	-	0.0	24.5	75.1	0.8	153.6
	11/02/2021 00:00	-	0.0	24.4	76.1	1.2	148.1
	11/02/2021 01:00	-	0.0	24.5	74.9	0.9	153.2
	11/02/2021 02:00	-	0.0	24.9	72.7	0.9	149.1
	11/02/2021 03:00	-	0.0	25.0	72.3	1.1	151.8
	11/02/2021 04:00	-	0.0	25.0	71.9	1.2	151.8
	11/02/2021 05:00	-	0.0	24.9	72.2	1.3	163.0
	11/02/2021 06:00	-	0.0	24.5	73.6	1.4	152.5
	11/02/2021 07:00	-	0.0	25.3	70.3	1.0	151.5
	11/02/2021 08:00	-	0.0	26.4	65.9	1.4	148.2
	11/02/2021 09:00	-	0.0	27.6	61.2	1.1	149.2
	11/02/2021 10:00	-	0.0	29.6	56.3	1.1	197.2
	11/02/2021 11:00	-	0.0	28.2	62.0	2.8	267.7
	11/02/2021 12:00	-	0.0	28.1	61.8	2.7	257.7
	11/02/2021 13:00	-	0.0	28.0	61.8	2.5	263.6
	11/02/2021 14:00	-	0.0	27.7	61.7	2.6	257.3
	11/02/2021 15:00	-	0.0	26.6	65.8	3.0	264.8
	11/02/2021 16:00	-	0.0	26.4	67.8	2.5	262.4
	11/02/2021 17:00	-	0.0	26.2	70.4	2.2	263.6
	11/02/2021 18:00	-	0.0	25.3	72.9	1.6	257.8
	11/02/2021 19:00	-	0.0	25.1	71.2	0.8	219.9
	11/02/2021 20:00	-	0.0	25.5	69.1	0.7	188.0
11/02/2021 21:00	-	0.0	25.1	71.1	0.7	153.2	
11/02/2021 22:00	-	0.0	24.8	74.2	0.7	161.3	
11/02/2021 23:00	-	0.0	24.8	75.2	0.8	154.7	
12	12/02/2021 00:00	-	0.0	24.7	76.5	0.5	176.6
	12/02/2021 01:00	-	0.0	24.6	78.1	0.5	162.0
	12/02/2021 02:00	-	0.0	24.9	75.0	0.8	155.8
	12/02/2021 03:00	-	0.0	25.6	69.5	0.9	154.2
	12/02/2021 04:00	-	0.0	26.2	64.0	0.8	162.8
	12/02/2021 05:00	-	0.0	26.2	63.5	0.6	153.3
	12/02/2021 06:00	-	0.0	26.1	63.3	0.7	155.6
	12/02/2021 07:00	-	0.0	26.5	63.1	0.8	151.1
	12/02/2021 08:00	-	0.0	27.9	60.5	1.2	152.9
	12/02/2021 09:00	-	0.0	28.6	58.0	1.4	158.1
	12/02/2021 10:00	-	0.0	30.2	54.6	1.3	170.7
	12/02/2021 11:00	-	0.0	31.1	52.3	1.6	196.9
	12/02/2021 12:00	-	0.0	30.9	53.2	2.6	242.3
	12/02/2021 13:00	-	0.0	29.6	58.5	3.7	256.2
	12/02/2021 14:00	-	0.0	28.5	63.5	3.7	258.1
	12/02/2021 15:00	-	0.0	29.6	59.2	2.6	250.9
	12/02/2021 16:00	-	0.0	28.8	60.4	2.7	252.6
	12/02/2021 17:00	-	0.0	27.9	61.6	2.0	219.5
	12/02/2021 18:00	-	0.0	27.0	62.3	1.5	213.1
	12/02/2021 19:00	-	0.0	26.2	66.2	1.1	182.5
	12/02/2021 20:00	-	0.0	25.3	71.6	1.0	168.7
	12/02/2021 21:00	-	0.0	25.0	74.1	0.9	151.0
	12/02/2021 22:00	-	0.0	25.0	75.1	0.7	160.3
	12/02/2021 23:00	-	0.0	25.0	74.7	0.8	159.6
13	13/02/2021 00:00	-	0.0	25.3	73.0	1.0	146.9
	13/02/2021 01:00	-	0.0	25.8	69.6	0.8	158.6
	13/02/2021 02:00	-	0.0	26.5	62.8	0.9	155.8
	13/02/2021 03:00	-	0.0	26.4	62.8	1.1	155.8
	13/02/2021 04:00	-	0.0	26.2	63.9	1.1	159.6
	13/02/2021 05:00	-	0.0	25.9	64.9	1.1	157.7
	13/02/2021 06:00	-	0.0	25.5	65.7	0.9	159.7
	13/02/2021 07:00	-	0.0	25.9	64.3	0.8	158.8
	13/02/2021 08:00	-	0.0	27.9	56.6	1.5	142.2
	13/02/2021 09:00	-	0.0	29.9	49.6	1.3	153.0
	13/02/2021 10:00	-	0.0	31.2	46.6	1.6	158.1
	13/02/2021 11:00	-	0.0	32.1	46.1	1.8	207.4
	13/02/2021 12:00	-	0.0	28.7	59.1	3.3	254.3
	13/02/2021 13:00	-	0.0	28.3	62.5	3.0	253.9
	13/02/2021 14:00	-	0.0	27.7	65.2	2.9	248.4
	13/02/2021 15:00	-	0.0	26.2	72.3	3.0	257.7
	13/02/2021 16:00	-	0.0	25.5	75.2	3.0	274.8
	13/02/2021 17:00	-	0.0	24.9	79.3	2.7	267.0
	13/02/2021 18:00	-	0.0	24.6	80.5	2.0	245.9
	13/02/2021 19:00	-	0.0	24.6	80.2	1.6	215.3
	13/02/2021 20:00	-	0.0	24.4	81.0	1.4	216.3
	13/02/2021 21:00	-	0.0	24.4	80.6	1.0	202.3
	13/02/2021 22:00	-	0.0	24.3	82.6	1.4	208.8
	13/02/2021 23:00	-	0.0	24.2	84.5	0.9	188.2
14	14/02/2021 00:00	-	0.0	23.9	85.8	0.8	216.9
	14/02/2021 01:00	-	0.0	23.7	85.7	0.7	214.5
	14/02/2021 02:00	-	0.0	23.6	84.5	0.6	193.1
	14/02/2021 03:00	-	0.0	23.6	83.1	0.7	142.3
	14/02/2021 04:00	-	0.0	23.7	81.4	0.8	168.1
	14/02/2021 05:00	-	0.0	23.9	78.8	1.1	159.0
	14/02/2021 06:00	-	0.0	24.1	75.9	1.3	154.8
	14/02/2021 07:00	-	0.0	24.2	75.5	1.2	142.5
	14/02/2021 08:00	-	0.0	25.5	68.1	1.4	157.3
	14/02/2021 09:00	-	0.0	27.6	58.4	1.4	170.3
	14/02/2021 10:00	-	0.0	29.0	53.4	1.7	181.0
	14/02/2021 11:00	-	0.0	29.9	53.3	1.8	200.6
	14/02/2021 12:00	-	0.0	28.4	63.0	2.3	233.9
	14/02/2021 13:00	-	0.0	27.5	64.7	2.7	235.8
	14/02/2021 14:00	-	0.0	26.6	69.9	2.5	233.9
	14/02/2021 15:00	-	0.0	26.1	72.3	2.5	237.1
	14/02/2021 16:00	-	0.0	25.7	75.2	2.1	241.4
	14/02/2021 17:00	-	0.0	25.7	73.6	2.0	225.0
	14/02/2021 18:00	-	0.0	25.1	73.2	1.7	206.1
	14/02/2021 19:00	-	0.0	24.5	74.9	1.0	169.9
	14/02/2021 20:00	-	0.0	24.3	75.6	1.0	153.4
	14/02/2021 21:00	-	0.0	24.4	74.9	1.0	196.1
	14/02/2021 22:00	-	0.0	24.3	76.4	0.8	165.6
	14/02/2021 23:00	-	0.0	24.5	76.0	0.9	157.9
15	15/02/2021 00:00	-	0.0	25.0	71.7	0.8	163.0
	15/02/2021 01:00	-	0.0	25.2	68.6	0.5	152.8
	15/02/2021 02:00	-	0.0	25.3	66.3	1.0	147.7
	15/02/2021 03:00	-	0.0	25.5	63.8	1.2	146.4
	15/02/2021 04:00	-	0.0	25.4	64.7	1.5	149.7
	15/02/2021 05:00	-	0.0	25.2	65.5	1.1	161.7
	15/02/2021 06:00	-	0.0	25.0	67.2	0.8	159.4
	15/02/2021 07:00	-	0.0	25.1	67.2	1.1	146.7
	15/02/2021 08:00	-	0.0	25.9	64.3	1.3	154.2
	15/02/2021 09:00	-	0.0	27.5	57.6	1.5	149.7
	15/02/2021 10:00	-	0.0	30.3	48.6	1.2	137.7
	15/02/2021 11:00	-	0.0	30.8	50.0	1.9	248.5
	15/02/2021 12:00	-	0.0	28.0	63.0	3.3	257.7
	15/02/2021 13:00	-	0.0	26.4	69.8	3.0	298.8
	15/02/2021 14:00	-	0.0	26.0	69.8	2.6	298.4
	15/02/2021 15:00	-	0.0	25.9	71.6	2.9	270.3
	15/02/2021 16:00	-	0.0	25.7	74.1	2.3	255.6
	15/02/2021 17:00	-	0.0	25.5	74.0	1.9	254.7
	15/02/2021 18:00	-	0.0	25.0	74.1	1.2	255.1
	15/02/2021 19:00	-	0.0	24.9	71.9	0.8	241.3
	15/02/2021 20:00	-	0.0	24.9	71.6	0.7	175.6
	15/02/2021 21:00	-	0.0	24.6	74.3	0.8	142.6
	15/02/2021 22:00	-	0.0	24.2	77.5	1.0	150.2
	15/02/2021 23:00	-	0.0	24.1	78.0	1.0	149.6
16	16/02/2021 00:00	-	0.0	25.1	70.2	1.0	154.0
	16/02/2021 01:00	-	0.0	25.2	66.8	1.0	151.3
	16/02/2021 02:00	-	0.0	24.9	66.3	1.1	156.3
	16/02/2021 03:00	-	0.0	25.1	64.3	1.2	152.8
	16/02/2021 04:00	-	0.0	24.9	64.1	1.0	149.6
	16/02/2021 05:00	-	0.0	24.6	64.8	1.0	148.0
	16/02/2021 06:00	-	0.0	24.6	65.0	1.0	145.2
	16/02/2021 07:00	-	0.0	24.8	65.6	1.0	150.4
16/02/2021 08:00	-	0.0	26.3	60.5	1.5	145.3	

16	16/02/2021 09:00	-	0.0	27.4	56.2	1.6	140.8
	16/02/2021 10:00	-	0.0	28.3	54.5	1.2	156.3
	16/02/2021 11:00	-	0.0	30.2	49.9	1.3	194.4
	16/02/2021 12:00	-	0.0	29.0	58.3	2.3	253.2
	16/02/2021 13:00	-	0.0	29.4	56.6	2.5	251.7
	16/02/2021 14:00	-	0.0	26.9	67.1	3.3	257.5
	16/02/2021 15:00	-	0.0	26.1	69.4	3.2	229.3
	16/02/2021 16:00	-	0.0	27.4	63.3	2.2	235.2
	16/02/2021 17:00	-	0.0	27.2	61.7	2.8	209.7
	16/02/2021 18:00	-	0.0	25.5	69.8	2.1	208.3
	16/02/2021 19:00	-	0.0	24.6	75.2	1.0	178.9
	16/02/2021 20:00	-	0.0	24.1	80.4	1.1	170.7
	16/02/2021 21:00	-	0.0	23.9	81.0	1.4	152.0
	16/02/2021 22:00	-	0.0	24.2	77.9	1.1	150.3
	16/02/2021 23:00	-	0.0	24.6	72.7	1.2	139.3
	17/02/2021 00:00	-	0.0	25.0	66.5	1.4	149.7
	17/02/2021 01:00	-	0.0	24.7	66.4	1.1	142.1
	17/02/2021 02:00	-	0.0	24.5	65.3	1.0	144.3
	17/02/2021 03:00	-	0.0	24.6	65.1	1.0	131.5
	17/02/2021 04:00	-	0.0	24.4	65.1	0.9	145.4
	17/02/2021 05:00	-	0.0	24.2	64.4	1.3	151.7
	17/02/2021 06:00	-	0.0	24.0	65.0	1.4	154.4
	17/02/2021 07:00	-	0.0	24.8	62.9	1.5	139.3
	17/02/2021 08:00	-	0.0	26.6	56.7	1.8	146.6
17/02/2021 09:00	-	0.0	28.7	51.2	1.5	155.4	
17/02/2021 10:00	-	0.0	30.6	46.9	1.6	156.2	
17/02/2021 11:00	-	0.0	31.9	44.5	1.7	224.1	
17/02/2021 12:00	-	0.0	30.3	51.9	2.7	261.3	
17/02/2021 13:00	-	0.0	29.3	55.8	2.6	246.9	
17/02/2021 14:00	-	0.0	27.5	60.5	3.2	240.6	
17/02/2021 15:00	-	0.0	26.5	64.0	3.2	238.0	
17/02/2021 16:00	-	0.0	26.7	64.0	2.5	233.5	
17/02/2021 17:00	-	0.0	26.2	67.1	1.9	236.7	
17/02/2021 18:00	-	0.0	25.5	68.2	1.8	205.7	
17/02/2021 19:00	-	0.0	24.4	76.0	1.1	212.6	
17/02/2021 20:00	-	0.0	23.8	82.8	0.9	214.4	
17/02/2021 21:00	-	0.0	23.6	86.1	1.0	189.9	
17/02/2021 22:00	-	0.0	23.3	87.5	1.1	175.4	
17/02/2021 23:00	-	0.0	23.3	85.4	0.9	160.0	
18/02/2021 00:00	-	0.0	23.4	80.7	1.0	156.9	
18/02/2021 01:00	-	0.0	23.6	76.2	1.3	152.6	
18/02/2021 02:00	-	0.0	23.6	76.4	1.3	152.5	
18/02/2021 03:00	-	0.0	23.4	76.9	1.1	144.0	
18/02/2021 04:00	-	0.0	23.1	79.3	1.3	162.4	
18/02/2021 05:00	-	0.0	23.1	77.8	1.3	156.7	
18/02/2021 06:00	-	0.0	23.1	76.0	1.3	163.4	
18/02/2021 07:00	-	0.0	23.7	73.1	1.4	150.9	
18/02/2021 08:00	-	0.0	25.3	67.5	1.4	146.9	
18/02/2021 09:00	-	0.0	27.2	58.9	1.2	154.0	
18/02/2021 10:00	-	0.0	28.4	56.4	1.6	191.8	
18/02/2021 11:00	-	0.0	28.2	60.2	2.6	236.6	
18/02/2021 12:00	-	0.0	27.2	63.5	3.1	253.0	
18/02/2021 13:00	-	0.0	27.3	63.8	2.8	253.1	
18/02/2021 14:00	-	0.0	27.2	64.6	2.5	246.0	
18/02/2021 15:00	-	0.0	27.3	61.9	2.9	235.1	
18/02/2021 16:00	-	0.0	27.2	60.7	3.3	218.4	
18/02/2021 17:00	-	0.0	25.7	71.4	2.6	217.4	
18/02/2021 18:00	-	0.0	24.4	78.7	2.6	216.0	
18/02/2021 19:00	-	0.0	23.6	83.6	1.9	210.6	
18/02/2021 20:00	-	0.0	23.4	86.6	1.2	210.6	
18/02/2021 21:00	-	0.0	23.3	87.0	0.7	165.0	
18/02/2021 22:00	-	0.0	23.2	86.1	0.6	198.8	
18/02/2021 23:00	-	0.0	23.0	85.6	0.5	176.7	
19/02/2021 00:00	-	0.0	22.7	86.4	0.4	155.3	
19/02/2021 01:00	-	0.0	22.6	86.2	0.4	160.6	
19/02/2021 02:00	-	0.0	22.7	84.5	0.7	149.9	
19/02/2021 03:00	-	0.0	23.5	76.2	1.2	157.7	
19/02/2021 04:00	-	0.0	23.8	73.3	1.3	153.8	
19/02/2021 05:00	-	0.0	23.6	72.4	1.2	154.3	
19/02/2021 06:00	-	0.0	23.1	73.7	1.3	150.0	
19/02/2021 07:00	-	0.0	23.5	71.8	1.5	152.1	
19/02/2021 08:00	-	0.0	24.9	69.0	1.8	153.5	
19/02/2021 09:00	-	0.0	26.3	65.1	1.5	163.0	
19/02/2021 10:00	-	0.0	28.0	57.7	1.7	195.3	
19/02/2021 11:00	-	0.0	28.9	56.8	2.1	219.9	
19/02/2021 12:00	-	0.0	28.1	59.6	2.9	256.1	
19/02/2021 13:00	-	0.0	28.2	58.5	2.4	237.0	
19/02/2021 14:00	-	0.0	27.5	59.3	3.5	260.2	
19/02/2021 15:00	-	0.0	26.7	63.6	3.1	255.6	
19/02/2021 16:00	-	0.0	25.7	68.6	2.3	235.8	
19/02/2021 17:00	-	0.0	25.1	73.4	1.9	233.5	
19/02/2021 18:00	-	0.0	24.2	78.4	1.7	212.5	
19/02/2021 19:00	-	0.0	23.5	81.7	0.9	203.3	
19/02/2021 20:00	-	0.0	23.2	82.5	0.8	146.4	
19/02/2021 21:00	-	0.0	23.0	82.5	0.7	155.0	
19/02/2021 22:00	-	0.0	23.0	82.3	0.6	158.1	
19/02/2021 23:00	-	0.0	22.8	83.9	0.7	194.2	
20/02/2021 00:00	-	0.0	22.8	82.9	0.7	203.3	
20/02/2021 01:00	-	0.0	23.1	79.9	0.4	171.0	
20/02/2021 02:00	-	0.0	23.3	76.9	0.6	144.0	
20/02/2021 03:00	-	0.0	23.8	71.4	1.2	154.7	
20/02/2021 04:00	-	0.0	23.9	69.9	0.9	149.3	
20/02/2021 05:00	-	0.0	23.6	71.2	1.0	144.0	
20/02/2021 06:00	-	0.0	23.3	73.8	0.9	144.9	
20/02/2021 07:00	-	0.0	23.3	74.4	1.6	153.3	
20/02/2021 08:00	-	0.0	24.6	69.7	1.6	149.0	
20/02/2021 09:00	-	0.0	27.1	58.9	1.2	168.3	
20/02/2021 10:00	-	0.0	28.9	51.9	1.6	209.7	
20/02/2021 11:00	-	0.0	28.8	56.1	2.5	240.1	
20/02/2021 12:00	-	0.0	27.0	63.4	3.4	263.1	
20/02/2021 13:00	-	0.0	26.8	63.2	3.1	261.2	
20/02/2021 14:00	-	0.0	25.8	67.0	3.2	263.0	
20/02/2021 15:00	-	0.0	25.2	70.9	2.7	255.9	
20/02/2021 16:00	-	0.0	25.3	70.6	2.3	241.0	
20/02/2021 17:00	-	0.0	25.3	70.6	1.8	239.6	
20/02/2021 18:00	-	0.0	24.4	73.6	1.1	217.3	
20/02/2021 19:00	-	0.0	23.3	78.0	0.9	190.9	
20/02/2021 20:00	-	0.0	22.8	81.2	0.8	186.3	
20/02/2021 21:00	-	0.0	22.5	82.1	0.8	205.3	
20/02/2021 22:00	-	0.0	22.6	81.8	0.7	151.4	
20/02/2021 23:00	-	0.0	23.0	78.9	0.6	164.3	
21/02/2021 00:00	-	0.0	23.8	73.2	1.2	141.1	
21/02/2021 01:00	-	0.0	24.4	67.9	1.4	146.2	
21/02/2021 02:00	-	0.0	24.4	65.0	1.3	143.5	
21/02/2021 03:00	-	0.0	24.4	63.1	1.3	148.5	
21/02/2021 04:00	-	0.0	24.3	61.1	1.4	151.9	
21/02/2021 05:00	-	0.0	23.5	65.7	1.5	139.0	
21/02/2021 06:00	-	0.0	22.9	69.7	1.3	152.8	
21/02/2021 07:00	-	0.0	23.0	70.1	1.6	152.3	
21/02/2021 08:00	-	0.0	24.8	63.7	1.7	151.1	
21/02/2021 09:00	-	0.0	27.0	56.5	1.5	146.0	
21/02/2021 10:00	-	0.0	29.8	47.5	1.2	174.1	
21/02/2021 11:00	-	0.0	30.7	45.5	2.0	214.1	
21/02/2021 12:00	-	0.0	30.0	50.4	2.6	259.4	
21/02/2021 13:00	-	0.0	28.2	56.8	3.1	260.6	
21/02/2021 14:00	-	0.0	26.8	62.4	2.9	256.8	
21/02/2021 15:00	-	0.0	25.9	67.2	2.7	260.5	
21/02/2021 16:00	-	0.0	26.0	66.7	1.8	246.4	
21/02/2021 17:00	-	0.0	25.4	65.1	1.9	207.3	
21/02/2021 18:00	-	0.0	24.1	70.1	1.3	217.4	
21/02/2021 19:00	-	0.0	23.5	73.5	1.0	191.2	
21/02/2021 20:00	-	0.0	23.1	74.9	1.0	158.8	

22	21/02/2021 21:00	-	0.0	22.8	76.5	1.0	168.0
	21/02/2021 22:00	-	0.0	23.0	74.8	1.0	136.9
	21/02/2021 23:00	-	0.0	23.4	71.8	1.2	147.5
	22/02/2021 00:00	-	0.0	24.5	65.6	1.6	144.0
	22/02/2021 01:00	-	0.0	24.7	62.7	1.6	159.1
	22/02/2021 02:00	-	0.0	24.6	62.2	1.6	147.3
	22/02/2021 03:00	-	0.0	24.4	62.0	1.6	146.6
	22/02/2021 04:00	-	0.0	24.2	62.0	1.5	143.4
	22/02/2021 05:00	-	0.0	24.3	61.5	1.7	148.8
	22/02/2021 06:00	-	0.0	24.4	60.3	1.7	147.3
	22/02/2021 07:00	-	0.0	24.4	61.0	1.6	145.6
	22/02/2021 08:00	-	0.0	25.7	55.7	1.7	161.4
	22/02/2021 09:00	-	0.0	27.3	50.4	1.4	154.9
	22/02/2021 10:00	-	0.0	29.7	44.8	1.2	185.0
	22/02/2021 11:00	-	0.0	28.7	50.5	2.5	246.7
	22/02/2021 12:00	-	0.0	28.1	54.0	2.7	254.5
	22/02/2021 13:00	-	0.0	28.0	53.9	2.6	244.4
	22/02/2021 14:00	-	0.0	28.0	61.6	3.7	263.8
	22/02/2021 15:00	-	0.0	25.8	62.8	2.9	258.1
	22/02/2021 16:00	-	0.0	25.4	66.1	2.3	263.9
	22/02/2021 17:00	-	0.0	25.6	62.6	1.7	221.7
	22/02/2021 18:00	-	0.0	24.3	67.3	1.1	171.8
	22/02/2021 19:00	-	0.0	23.3	71.8	0.9	167.4
22/02/2021 20:00	-	0.0	23.1	72.1	0.8	178.4	
22/02/2021 21:00	-	0.0	22.8	74.2	0.7	172.0	
22/02/2021 22:00	-	0.0	22.3	78.9	0.7	167.0	
22/02/2021 23:00	-	0.0	21.6	82.4	0.7	174.7	
23	23/02/2021 00:00	-	0.0	21.6	81.9	0.8	170.6
	23/02/2021 01:00	-	0.0	21.9	78.3	0.7	161.8
	23/02/2021 02:00	-	0.0	22.4	73.9	0.8	132.4
	23/02/2021 03:00	-	0.0	22.8	68.8	1.0	144.9
	23/02/2021 04:00	-	0.0	23.2	65.5	1.1	146.3
	23/02/2021 05:00	-	0.0	23.6	63.4	1.3	145.7
	23/02/2021 06:00	-	0.0	23.5	63.4	1.6	147.2
	23/02/2021 07:00	-	0.0	23.4	64.7	1.5	152.3
	23/02/2021 08:00	-	0.0	24.4	60.6	1.8	142.3
	23/02/2021 09:00	-	0.0	27.4	49.7	1.4	149.3
	23/02/2021 10:00	-	0.0	28.7	49.0	1.6	196.6
	23/02/2021 11:00	-	0.0	29.2	50.0	2.3	217.1
	23/02/2021 12:00	-	0.0	29.6	48.3	2.4	229.1
	23/02/2021 13:00	-	0.0	29.8	45.7	2.6	228.2
	23/02/2021 14:00	-	0.0	29.6	45.7	2.7	228.6
	23/02/2021 15:00	-	0.0	28.6	50.1	2.6	245.8
	23/02/2021 16:00	-	0.0	28.5	48.3	2.6	222.4
	23/02/2021 17:00	-	0.0	27.3	51.3	2.1	210.8
	23/02/2021 18:00	-	0.0	25.9	54.5	1.3	216.4
	23/02/2021 19:00	-	0.0	25.0	58.5	0.9	148.5
	23/02/2021 20:00	-	0.0	24.6	62.5	1.0	149.9
	23/02/2021 21:00	-	0.0	24.5	64.2	1.3	153.8
	23/02/2021 22:00	-	0.0	25.1	61.5	1.2	157.2
23/02/2021 23:00	-	0.0	25.5	59.4	1.2	161.0	
24	24/02/2021 00:00	-	0.0	25.5	57.0	1.6	143.2
	24/02/2021 01:00	-	0.0	24.8	58.9	1.6	138.1
	24/02/2021 02:00	-	0.0	24.3	59.6	1.5	154.4
	24/02/2021 03:00	-	0.0	24.1	60.4	1.6	145.3
	24/02/2021 04:00	-	0.0	24.1	59.4	1.5	150.1
	24/02/2021 05:00	-	0.0	23.8	59.8	1.3	148.5
	24/02/2021 06:00	-	0.0	23.4	60.5	1.0	141.2
	24/02/2021 07:00	-	0.0	23.9	60.0	1.1	147.9
	24/02/2021 08:00	-	0.0	26.1	51.4	1.3	138.8
	24/02/2021 09:00	-	0.0	28.0	45.8	1.6	153.0
	24/02/2021 10:00	-	0.0	29.8	45.0	1.4	164.6
	24/02/2021 11:00	-	0.0	31.0	43.5	1.6	199.0
	24/02/2021 12:00	-	0.0	30.1	46.7	2.9	260.8
	24/02/2021 13:00	-	0.0	29.8	47.9	2.5	247.7
	24/02/2021 14:00	-	0.0	28.5	52.7	2.5	247.4
	24/02/2021 15:00	-	0.0	26.2	61.0	2.6	245.0
	24/02/2021 16:00	-	0.0	26.0	59.5	2.1	230.9
	24/02/2021 17:00	-	0.0	25.4	61.9	2.0	225.5
	24/02/2021 18:00	-	0.0	24.0	67.0	1.5	229.5
	24/02/2021 19:00	-	0.0	23.1	70.0	0.9	144.1
	24/02/2021 20:00	-	0.0	23.0	69.7	0.7	155.6
	24/02/2021 21:00	-	0.0	22.8	70.9	0.9	147.4
	24/02/2021 22:00	-	0.0	22.5	74.0	0.8	145.3
24/02/2021 23:00	-	0.0	22.4	74.2	0.8	135.6	
25	25/02/2021 00:00	-	0.0	23.1	69.9	1.1	152.4
	25/02/2021 01:00	-	0.0	23.8	64.3	1.1	143.1
	25/02/2021 02:00	-	0.0	23.9	61.9	1.4	145.3
	25/02/2021 03:00	-	0.0	23.9	61.9	1.4	150.8
	25/02/2021 04:00	-	0.0	24.1	60.8	1.4	148.7
	25/02/2021 05:00	-	0.0	24.2	58.5	1.5	146.2
	25/02/2021 06:00	-	0.0	24.2	57.5	1.6	137.9
	25/02/2021 07:00	-	0.0	24.5	56.0	1.7	142.5
	25/02/2021 08:00	-	0.0	25.8	52.2	1.8	143.9
	25/02/2021 09:00	-	0.0	27.1	48.5	1.4	149.4
	25/02/2021 10:00	-	0.0	28.4	46.1	1.2	152.9
	25/02/2021 11:00	-	0.0	30.8	42.5	1.1	186.7
	25/02/2021 12:00	-	0.0	31.8	41.5	1.5	219.2
	25/02/2021 13:00	-	0.0	31.1	44.3	2.0	229.0
	25/02/2021 14:00	-	0.0	30.4	47.0	2.5	253.0
	25/02/2021 15:00	-	0.0	28.0	54.1	2.9	261.0
	25/02/2021 16:00	-	0.0	27.6	54.3	2.5	220.7
	25/02/2021 17:00	-	0.0	25.6	60.9	1.9	214.3
	25/02/2021 18:00	-	0.0	24.5	66.1	1.3	214.1
	25/02/2021 19:00	-	0.0	23.2	72.0	1.1	193.1
	25/02/2021 20:00	-	0.0	23.4	71.3	0.9	128.5
	25/02/2021 21:00	-	0.0	23.6	70.0	1.0	171.1
	25/02/2021 22:00	-	0.0	23.2	71.9	0.7	180.4
25/02/2021 23:00	-	0.0	23.1	72.5	0.7	197.5	
26	26/02/2021 00:00	-	0.0	23.0	73.3	0.7	192.0
	26/02/2021 01:00	-	0.0	22.7	75.1	0.6	215.7
	26/02/2021 02:00	-	0.0	23.0	73.2	1.0	151.6
	26/02/2021 03:00	-	0.0	24.3	65.6	1.6	141.7
	26/02/2021 04:00	-	0.0	24.8	61.0	1.8	151.4
	26/02/2021 05:00	-	0.0	24.6	61.2	1.5	158.7
	26/02/2021 06:00	-	0.0	24.3	63.0	1.8	151.3
	26/02/2021 07:00	-	0.0	24.6	61.0	1.9	141.9
	26/02/2021 08:00	-	0.0	25.7	56.0	2.1	154.7
	26/02/2021 09:00	-	0.0	28.0	50.1	1.9	145.3
	26/02/2021 10:00	-	0.0	30.7	44.4	1.6	150.9
	26/02/2021 11:00	-	0.0	32.5	41.4	1.4	179.7
	26/02/2021 12:00	-	0.0	32.7	42.0	2.3	259.1
	26/02/2021 13:00	-	0.0	29.3	51.8	3.0	260.6
26/02/2021 14:00	-	0.0	28.6	53.5	2.7	256.0	
26/02/2021 15:00	-	0.0	25.6	63.1	2.6	245.1	
26/02/2021 16:00	-	0.0	26.8	59.8	2.1	244.5	
26/02/2021 17:00	-	0.0	26.7	58.1	1.7	247.1	
26/02/2021 18:00	-	0.0	26.8	65.3	1.6	246.3	
26/02/2021 19:00	-	0.0	23.7	69.8	1.3	233.4	

	26/02/2021 20:00	-	0.0	22.5	76.7	1.0	299.4
	26/02/2021 21:00	-	0.0	21.6	81.6	0.8	
	26/02/2021 22:00	-	0.0	21.7	81.0	0.4	
	26/02/2021 23:00	-	0.0	22.0	79.5	0.7	264.8
	27/02/2021 00:00	-	0.0	22.0	79.9	1.1	264.8
	27/02/2021 01:00	-	0.0	22.0	81.7	0.5	215.0
	27/02/2021 02:00	-	0.0	22.1	82.5	0.5	195.1
	27/02/2021 03:00	-	0.0	21.9	83.5	0.7	219.4
	27/02/2021 04:00	-	0.0	21.6	85.1	0.6	194.9
	27/02/2021 05:00	-	0.0	21.4	86.4	0.6	158.7
	27/02/2021 06:00	-	0.0	21.2	86.5	0.7	175.1
	27/02/2021 07:00	-	0.0	22.0	81.5	0.7	198.4
	27/02/2021 08:00	-	0.0	24.2	71.2	0.8	216.3
	27/02/2021 09:00	-	0.0	25.9	63.1	1.2	184.1
	27/02/2021 10:00	-	0.0	28.3	54.6	1.1	201.2
27	27/02/2021 11:00	-	0.0	27.2	61.9	3.1	268.5
	27/02/2021 12:00	-	0.0	27.7	58.3	3.1	267.5
	27/02/2021 13:00	-	0.0	26.5	62.9	2.9	262.6
	27/02/2021 14:00	-	0.0	25.8	65.9	2.8	263.1
	27/02/2021 15:00	-	0.0	25.0	69.2	3.0	258.5
	27/02/2021 16:00	-	0.0	25.7	63.8	2.3	246.7
	27/02/2021 17:00	-	0.0	26.8	60.4	1.5	249.2
	27/02/2021 18:00	-	0.0	26.1	62.9	1.0	220.9
	27/02/2021 19:00	-	0.0	25.0	67.3	0.7	164.9
	27/02/2021 20:00	-	0.0	24.3	70.5	0.7	189.1
	27/02/2021 21:00	-	0.0	24.0	71.3	0.6	171.8
	27/02/2021 22:00	-	0.0	24.0	70.3	0.7	139.5
	27/02/2021 23:00	-	0.0	23.9	70.2	0.4	154.3
	28/02/2021 00:00	-	0.0	23.7	70.2	0.4	164.8
	28/02/2021 01:00	-	0.0	24.1	69.2	0.6	146.9
	28/02/2021 02:00	-	0.0	24.5	65.6	0.5	152.0
	28/02/2021 03:00	-	0.0	24.9	62.8	0.6	142.0
	28/02/2021 04:00	-	0.0	24.9	61.5	0.8	150.3
	28/02/2021 05:00	-	0.0	24.4	63.8	0.6	148.5
	28/02/2021 06:00	-	0.0	23.3	69.3	0.8	150.9
	28/02/2021 07:00	-	0.0	23.0	72.2	0.7	144.2
	28/02/2021 08:00	-	0.0	24.8	65.8	0.6	206.2
	28/02/2021 09:00	-	0.0	26.5	51.6	0.9	179.5
	28/02/2021 10:00	-	0.0	28.4	53.9	2.3	246.8
28	28/02/2021 11:00	-	0.0	27.2	60.7	3.2	269.8
	28/02/2021 12:00	-	0.0	28.1	56.8	3.5	271.1
	28/02/2021 13:00	-	0.0	28.0	53.7	3.2	267.0
	28/02/2021 14:00	-	0.0	29.7	50.7	3.0	264.2
	28/02/2021 15:00	-	0.0	29.7	49.8	2.0	236.4
	28/02/2021 16:00	-	0.0	29.5	51.1	1.9	248.1
	28/02/2021 17:00	-	0.0	28.6	53.8	1.6	219.4
	28/02/2021 18:00	-	0.0	26.7	59.5	1.0	186.9
	28/02/2021 19:00	-	0.0	25.7	63.1	0.7	201.2
	28/02/2021 20:00	-	0.0	25.3	64.7	0.9	161.4
	28/02/2021 21:00	-	0.0	25.0	70.0	0.8	144.5
	28/02/2021 22:00	-	0.0	25.2	69.4	0.3	282.3
	28/02/2021 23:00	-	0.0	25.2	70.1	0.3	223.5

MÍNIMO	-	0.0	21.2	41.4	0.3	-
MÁXIMO	-	0.0	32.7	87.5	3.7	-
PROMEDIO	-	0.0	25.5	66.9	1.5	-

















TÍTULO DEL ESTUDIO:

Evaluación ambiental de seguimiento de la

ESTACIÓN DE MONITOREO:

CA-TA-01

	1-Feb	2-Feb	3-Feb	4-Feb	5-Feb	6-Feb	7-Feb	8-Feb	9-Feb	10-Feb
00:00	0.9	1.6	1.7	0.6	0.4	0.5	0.4	0.8	0.6	0.8
01:00	1.1	2	1.5	0.9	0.7	0.4	0.5	1.1	0.9	0.6
02:00	1.2	1.9	1.4	1	0.8	0.7	0.8	1.4	0.6	0.3
03:00	1.9	1.6	1.4	0.9	0.8	0.6	0.8	1.5	0.8	0.5
04:00	2	1.1	1.6	1	0.7	0.5	1	2	1.2	0.5
05:00	2	1	1.6	1.6	0.4	0.5	1.1	2.2	1.1	0.7
06:00	2	1.2	1.6	1.4	0.6	0.7	0.9	1.6	0.8	0.4
07:00	2	1.6	1.7	1.4	1	0.8	0.9	2.2	1	0.8
08:00	1.7	1.7	1.7	1.8	1.3	0.6	0.8	1.9	1.1	1.1
09:00	1.7	1.6	2	1.1	1.4	1.2	1.2	1.9	1.5	1.4
10:00	1.6	1.4	1.6	1.4	1.6	2.6	2.1	1.6	1.9	2.7
11:00	2.2	1.7	3.5	1.6	1.9	3	3.1	1.8	2.5	2.8
12:00	2.4	2.4	2.7	2.3	2	2.6	2.7	2.3	3.2	2.4
13:00	2.8	3.5	2.7	2.2	1.4	2.8	2.5	2.4	3.2	2.8
14:00	3.1	3.3	3.2	2.4	1.3	2.7	2.6	2.6	3	2.8
15:00	2.9	2.8	2.5	2	2.5	2.4	2.6	2.4	2.4	2.5
16:00	2.6	2.7	2.1	1.7	2.2	2	2.7	2.4	2.2	2.4
17:00	2.2	1.9	2.2	2.1	2.3	1.9	2.4	3.1	1.4	1.9
18:00	2	1.8	1.7	0.9	1.1	1.5	1.2	1.6	1.6	1.6
19:00	1.7	1.2	1.1	0.9	1	1.6	0.9	0.9	1.1	1.1
20:00	1.4	0.9	0.9	0.9	0.7	0.9	1	1.3	0.6	1
21:00	0.9	0.7	1.4	0.8	0.9	0.7	1.1	1.5	0.8	0.8
22:00	0.9	0.8	1	0.6	0.8	0.7	0.7	0.9	0.9	0.5
23:00	1.5	1.1	0.9	0.4	0.6	0.5	0.7	0.6	0.8	0.8

	1-Feb	2-Feb	3-Feb	4-Feb	5-Feb	6-Feb	7-Feb	8-Feb	9-Feb	10-Feb
00:00	S	SSE	SSE	S	SSE	SSE	SSE	SSE	SSE	SSE
01:00	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
02:00	SSE	SSE	SSE	SSE	SSE	S	SSE	SSE	SSE	S
03:00	SSE	SSE	SSE	SW	SSE	SSW	SSE	SSE	SSE	SSE
04:00	SSE	SSW	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
05:00	SSE	SSW	SSE	SSE	S	S	SSE	SSE	SSE	SSE
06:00	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	SSE
07:00	SSE	SSE	SSE	SSE	SSW	SSE	SSE	SSE	S	SSE
08:00	SSE	SSE	SSE	SSE	SSW	S	SSE	SSE	S	S
09:00	SSE	S	SSE	SSE	SW	WSW	SSW	SSE	SSW	WSW
10:00	SSE	S	SSE	S	SW	W	WSW	SSE	SW	W
11:00	SSW	SSW	WSW	SSW	SW	W	W	S	SW	W
12:00	SSW	SW	WSW	WSW	SW	W	WSW	SSW	W	WSW
13:00	SSW	WSW	WSW	WSW	SW	W	WSW	SW	W	W
14:00	SW	WSW	W	W	SSW	WSW	WSW	WSW	WSW	W
15:00	SW	WSW	WSW	WSW	W	WSW	WSW	WSW	WSW	W
16:00	WSW	W	WSW	WSW	WSW	WSW	SW	SW	WSW	W
17:00	WSW	SW	SW	SW	SW	WSW	SSW	SSW	W	W
18:00	SSW	SW	SW	SSE	SSW	SW	SW	SW	WSW	W
19:00	SW	SSW	SSW	SSE	SSW	SSW	SSW	SSE	WSW	W
20:00	SSW	SW	S	SSE	SSE	SSW	S	SSE	SSW	WSW
21:00	SSW	SSW	SSW	S	SSE	SE	SSE	SSE	SSE	WSW
22:00	SSE	SSE	SSW	SSE	SSE	SSE	S	SE	SE	SSW
23:00	SSE	SSE	SSW	SSE	SSW	S	SSE	S	SSE	SSE

Tabla 3.3. Velocidad y dirección del viento durante el mes

a calidad del aire en el área de influencia de la Refinería Talara, ubicada en el distrito de Pariñas, provincia de Tala Piura, en febrero de 2021

CÓDIGO DE ACCIÓN No aplica

Velocidad del viento

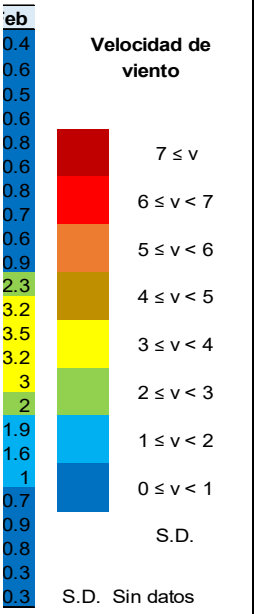
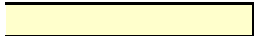
11-Feb	12-Feb	13-Feb	14-Feb	15-Feb	16-Feb	17-Feb	18-Feb	19-Feb	20-Feb	21-Feb	22-Feb	23-Feb	24-Feb	25-Feb	26-Feb	27-Feb	28-Feb
1.2	0.5	1	0.8	0.8	1	1.4	1	0.4	0.7	1.2	1.6	0.8	1.6	1.1	0.7	1.1	0.9
0.9	0.5	0.8	0.7	0.5	1	1.1	1.3	0.4	0.4	1.4	1.6	0.7	1.6	1.1	0.6	0.5	0.9
0.9	0.8	0.9	0.6	1	1.1	1	1.3	0.7	0.6	1.3	1.6	0.8	1.5	1.4	1	0.5	0.9
1.1	0.9	1.1	0.7	1.2	1.2	1	1.1	1.2	1.2	1.3	1.6	1	1.6	1.4	1.6	0.7	0.9
1.2	0.8	1.1	0.8	1.5	1	0.9	1.3	1.3	0.9	1.4	1.5	1.1	1.5	1.4	1.8	0.6	0.9
1.3	0.6	1.1	1.1	1.1	1	1.3	1.3	1.2	1	1.5	1.7	1.3	1.3	1.5	1.5	0.6	0.9
1.4	0.7	0.9	1.3	0.8	1	1.4	1.3	1.3	0.9	1.3	1.7	1.6	1	1.6	1.8	0.7	0.9
1	0.8	0.8	1.2	1.1	1	1.5	1.4	1.5	1.6	1.6	1.6	1.5	1.1	1.7	1.9	0.7	0.9
1.4	1.2	1.5	1.4	1.3	1.5	1.8	1.4	1.8	1.6	1.7	1.7	1.8	1.3	1.8	2.1	0.8	0.9
1.1	1.4	1.3	1.4	1.5	1.6	1.5	1.2	1.5	1.2	1.5	1.4	1.4	1.6	1.4	1.9	1.2	0.9
1.1	1.3	1.6	1.7	1.2	1.2	1.6	1.6	1.7	1.6	1.2	1.2	1.6	1.4	1.2	1.6	1.1	0.9
2.8	1.6	1.8	1.8	1.9	1.3	1.7	2.6	2.1	2.5	2	2.5	2.3	1.6	1.1	1.4	3.1	0.9
2.7	2.6	3.3	2.3	3.3	2.3	2.7	3.1	2.9	3.4	2.6	2.7	2.4	2.9	1.5	2.3	3.1	0.9
2.5	3.7	3	2.7	3	2.5	2.6	2.8	2.4	3.1	3.1	2.6	2.6	2.5	2	3	2.9	0.9
2.6	3.7	2.9	2.5	2.6	3.3	3.2	2.5	3.5	3.2	2.9	3.7	2.7	2.5	2.5	2.7	2.8	0.9
3	2.6	3	2.5	2.9	3.2	3.2	2.9	3.1	2.7	2.7	2.9	2.6	2.6	2.9	2.6	3	0.9
2.5	2.7	3	2.1	2.3	2.2	2.5	3.3	2.3	2.3	1.8	2.3	2.6	2.1	2.5	2.1	2.3	0.9
2.2	2	2.7	2	1.9	2.8	1.9	2.6	1.9	1.8	1.9	1.7	2.1	2	1.9	1.7	1.5	0.9
1.6	1.5	2	1.7	1.2	2.1	1.8	2.6	1.7	1.1	1.3	1.1	1.3	1.5	1.3	1.6	1	0.9
0.8	1.1	1.6	1	0.8	1	1.1	1.9	0.9	0.9	1	0.9	0.9	0.9	1.1	1.3	0.7	0.9
0.7	1	1.4	1	0.7	1.1	0.9	1.2	0.8	0.8	1	0.8	1	0.7	0.9	1	0.7	0.9
0.7	0.9	1	1	0.8	1.4	1	0.7	0.7	0.8	1	0.7	1.3	0.9	1	0.8	0.6	0.9
0.7	0.7	1.4	0.8	1	1.1	1.1	0.6	0.6	0.7	1	0.7	1.2	0.8	0.7	0.4	0.7	0.9
0.8	0.8	0.9	0.9	1	1.2	0.9	0.5	0.7	0.6	1.2	0.7	1.2	0.8	0.7	0.7	0.4	0.9

Dirección del viento

11-Feb	12-Feb	13-Feb	14-Feb	15-Feb	16-Feb	17-Feb	18-Feb	19-Feb	20-Feb	21-Feb	22-Feb	23-Feb	24-Feb	25-Feb	26-Feb	27-Feb	28-Feb	
SSE	S	SSE	SW	SSE	SSE	SE	SSE	SSE	SSW	SE	SSE	S	SE	SSE	SSW	W	SS	
SSE	SSE	SSE	SW	SSE	SSE	SE	SSE	SSE	S	SSE	SSE	SSE	SE	SSE	SSE	SW	SW	SS
SSE	SSE	SSE	SSW	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SE	SSE	SSE	SSE	SSW	SS
SSE	SSE	SSE	SE	SSE	SSE	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SE	SW	SW	SS
SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSW	SS	SS
SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SS
SSE	SSE	SSE	SSE	SSE	SSE	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SE	SSE	SSE	SS
SSE	SSE	SE	SSE	SSE	SSE	SE	SSE	SSE	SSE	SSE	SSE	SSE	SE	SE	SSE	SSW	SS	SS
SSE	SSE	SSE	S	SSE	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	S	SS
SSW	S	SSE	S	SE	SSE	SSE	SSW	SSW	SSW	S	S	SSW	SSE	SSE	SSE	SSW	WS	WS
W	SSW	SSW	SSW	WSW	SSW	SW	WSW	SW	WSW	SW	WSW	SW	SSW	S	S	W	W	W
WSW	WSW	WSW	SW	WSW	WSW	W	WSW	WSW	W	W	WSW	SW	W	SW	W	W	W	W
W	WSW	WSW	SW	WNW	WSW	WSW	WSW	WSW	W	W	WSW	SW	WSW	SW	W	W	W	W
WSW	WSW	WSW	SW	WNW	WSW	WSW	WSW	W	W	WSW	W	SW	WSW	WSW	WSW	W	W	W
W	WSW	WSW	WSW	W	SW	WSW	SW	WSW	WSW	W	WSW	WSW	WSW	W	WSW	WSW	WS	WS
W	WSW	W	WSW	WSW	SW	SW	SW	SW	WSW	WSW	W	SW	SW	SW	WSW	WSW	WS	WS
W	SW	W	SW	WSW	SSW	WSW	SW	SW	WSW	SSW	SW	SSW	SW	SW	WSW	WSW	SW	SW
WSW	SSW	WSW	SSW	WSW	SSW	SSW	SW	SSW	SW	SW	S	SW	SW	SW	WSW	SW	S	S
SW	S	SW	S	WSW	S	SSW	SSW	SSW	S	S	SSE	SSE	SSE	SSW	SW	SSE	SS	SS
S	SSE	SW	SSE	S	S	SW	SSW	SSE	S	SSE	S	SSE	SSE	SSE	SE	WNW	S	SS
SSE	SSE	SSW	SSW	SE	SSE	S	SSE	SSE	SSW	SSE	S	SSE	SSE	S	N	S	SS	SS
SSE	SSE	SSW	SSE	SSE	SSE	S	SSW	SSE	SSE	SE	SSE	SSE	SSE	S	N	SE	WN	WN
SSE	SSE	S	SSE	SSE	SE	SSE	S	SSW	SSE	SSE	S	SSE	SE	SSW	W	SSE	SW	SW



ra, departamento de



8.6  
31.4

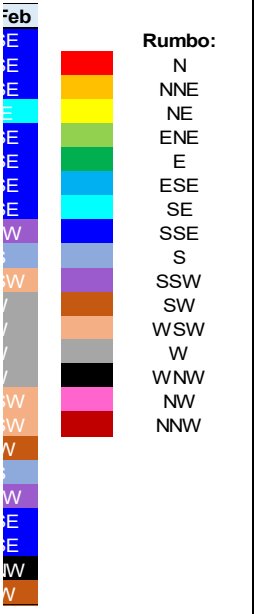




Tabla 3.1. Concentraciones horarias de SO<sub>2</sub>

TÍTULO DEL ESTUDIO:

Evaluación ambiental de seguimiento de la calidad del aire en el área de influencia de la Refinería Talara, ubicada en el distrito de Paríñas, provincia de Talara, departamento de Piura, en marzo de 2021

ESTACIÓN DE MONITOREO:

CA-TA-01

CÓDIGO DE ACCIÓN:

No aplica

EQUIPO:

Analizador automático de gases

Thermo Scientific

MODELO:

450i

SERIE:

1009241444

DATOS DEL EQUIPO

Hora/Día	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
00:00	1.8	1.4	1.8	1.1	ID	1.0	0.8	1.0	1.4	0.9	2.0	1.1	1.6	1.0	1.5	1.0	1.0	0.9	1.1	1.1	1.0	ID	1.5	0.8	0.8	ID	1.3	1.3	0.7	0.9	0.8	
01:00	1.3	1.7	1.7	1.0	ID	1.0	0.8	0.9	1.0	0.8	1.6	1.2	1.5	0.9	1.6	1.1	1.1	0.9	0.8	0.8	1.1	0.8	1.3	0.7	ID	ID	1.2	0.8	ID	0.8	0.8	
02:00	1.1	1.4	1.5	0.9	1.1	1.2	0.9	0.9	0.8	1.1	1.2	1.4	0.8	1.3	0.8	1.3	0.8	0.7	0.8	0.8	0.7	0.9	0.6	1.7	ID	1.1	0.9	0.7	0.8	0.8		
03:00	1.1	1.2	1.4	0.8	1.1	1.3	0.9	0.9	0.8	1.3	1.0	1.1	0.8	0.9	0.8	0.9	0.8	ID	0.7	0.8	0.8	0.8	1.1	ID	0.6	ID	0.8	0.8	0.7	ID	0.8	
04:00	1.1	1.0	1.3	0.9	ID	1.6	0.8	0.8	0.8	0.8	1.2	1.3	1.0	0.9	0.9	0.9	0.7	0.8	ID	0.7	0.8	1.1	1.0	0.9	0.7	ID	0.7	1.0	ID	ID	0.8	
05:00	1.3	1.0	1.4	0.7	1.1	3.7	0.8	1.4	0.8	0.8	1.4	1.2	1.2	0.7	1.0	0.7	0.8	0.7	0.7	0.8	0.7	1.8	1.0	0.7	0.8	ID	0.8	0.8	ID	ID	0.8	
06:00	1.2	1.0	1.2	0.9	1.3	3.8	0.9	2.9	0.9	1.2	1.7	1.2	1.3	0.8	1.1	1.0	0.8	0.8	0.9	0.9	0.7	1.3	1.1	ID	0.8	ID	0.8	1.1	0.8	0.7	0.9	1.1
07:00	1.5	1.1	1.4	1.2	3.4	2.2	0.9	2.9	0.9	1.3	2.0	1.8	1.3	0.9	1.6	1.4	1.3	1.4	1.1	0.9	0.8	1.5	1.2	1.1	0.8	0.8	1.2	1.0	0.9	0.8	1.1	
08:00	1.6	1.1	1.4	1.1	2.4	2.0	0.9	1.9	0.9	1.1	1.8	1.5	1.3	0.9	1.4	1.6	1.2	1.3	0.9	1.1	0.7	1.2	1.1	1.0	0.8	0.7	1.2	ID	0.8	0.8	1.1	
09:00	1.6	1.2	3.6	1.2	2.4	1.3	0.8	3.3	1.0	1.1	1.5	1.2	1.2	0.8	1.2	1.8	1.1	1.0	1.0	0.8	0.7	0.9	0.9	1.0	0.8	0.8	0.8	ID	0.9	0.8	1.0	
10:00	1.6	2.4	1.9	2.9	3.8	2.4	0.9	12.4	1.0	0.9	2.8	3.8	1.1	1.2	3.3	2.0	1.0	10.4	1.0	0.9	0.7	1.5	3.2	2.9	0.7	0.8	1.0	ID	0.8	8.5	0.8	
11:00	1.3	ID	2.3	3.4	4.6	4.6	1.3	7.7	1.3	6.0	8.8	13.9	1.2	5.3	5.3	3.1	1.0	19.9	1.0	1.1	1.6	4.4	10.4	6.8	1.7	1.2	1.3	ID	4.1	5.2	9.3	
12:00	3.2	ID	2.3	8.7	6.7	6.5	2.2	17.8	1.0	19.0	10.4	7.9	2.1	9.9	8.6	6.4	3.0	17.3	3.5	2.8	5.4	3.6	7.6	7.0	4.4	2.4	6.5	ID	14.2	4.1	24.6	
13:00	8.7	ID	2.5	11.4	4.1	11.1	2.5	6.5	0.9	23.1	13.4	8.3	2.1	24.5	18.0	3.9	2.9	9.6	8.2	4.9	3.2	3.9	7.8	10.0	3.6	7.1	7.8	ID	8.2	12.7	31.9	
14:00	8.0	2.8	1.5	16.6	2.3	15.5	3.3	3.3	1.1	12.5	14.5	26.9	2.2	11.7	15.4	4.0	3.1	6.7	7.5	6.5	3.3	3.6	5.8	5.5	3.8	11.0	6.9	ID	6.3	13.7	37.4	
15:00	7.6	1.8	2.8	14.0	2.6	9.8	14.8	2.2	0.7	ID	11.1	34.8	2.1	19.7	6.5	7.8	3.7	8.5	4.1	11.6	3.1	3.6	5.4	3.9	2.8	20.0	7.4	ID	6.2	6.6	26.1	
16:00	6.5	1.3	3.6	14.7	2.8	6.6	10.8	1.7	0.8	5.9	9.3	26.0	1.8	14.0	4.0	4.3	3.1	9.7	2.9	8.9	2.3	2.7	ID	3.7	2.0	20.9	8.3	ID	14.0	6.8	14.1	
17:00	3.6	1.2	3.3	7.7	2.2	3.8	6.7	1.4	0.8	3.8	6.6	17.7	2.1	10.0	3.0	2.8	2.2	5.0	2.4	5.2	2.1	2.0	3.3	2.8	1.8	16.0	6.1	2.3	5.8	6.7	7.1	
18:00	3.0	1.0	3.4	4.0	1.4	5.4	4.2	1.1	0.7	3.5	4.8	10.6	2.0	6.4	2.3	2.2	1.8	3.1	2.1	3.5	1.6	1.9	2.2	2.1	1.5	10.4	4.1	1.1	3.4	3.2	4.6	
19:00	2.6	1.2	1.4	2.8	1.3	3.0	2.3	1.0	0.8	4.1	3.3	5.3	2.2	3.6	2.2	1.6	1.5	2.6	1.8	ID	1.3	1.6	1.7	1.9	1.1	4.5	2.3	0.9	2.3	2.2	3.4	
20:00	4.4	2.0	1.4	2.2	3.2	1.9	2.0	1.9	0.8	3.0	2.6	3.6	2.6	2.5	1.9	1.2	1.2	2.1	1.6	ID	1.0	1.2	1.4	1.3	1.1	2.9	1.8	0.9	1.8	1.7	2.4	
21:00	2.7	2.3	1.6	1.8	1.9	1.6	1.8	1.6	1.0	3.0	1.9	3.2	1.8	2.2	1.5	1.2	1.2	1.9	1.2	1.9	0.9	1.1	1.3	1.1	0.9	2.0	1.5	0.8	1.3	1.2	2.2	
22:00	2.2	2.6	1.4	1.6	1.5	1.2	1.4	1.6	1.2	3.0	1.6	ID	1.3	2.2	1.2	1.0	1.1	1.7	1.2	1.3	0.7	1.0	1.0	0.9	0.8	1.8	1.3	0.9	1.3	0.9	1.6	
23:00	1.6	2.0	1.4	1.5	0.9	1.2	1.2	1.5	ID	2.7	ID	1.8	1.3	1.7	ID	1.1	1.0	1.4	1.0	1.2	1.1	0.8	1.0	0.9	0.7	1.4	1.0	0.9	1.1	0.9	1.4	
Promedio de SO <sub>2</sub> en 24 h	2.9	1.6	2.0	4.3	2.5	3.9	2.7	3.3	0.9	4.3	4.6	7.7	1.6	5.1	3.7	2.2	1.6	4.7	2.1	2.7	1.5	1.9	2.8	2.7	1.5	6.2	2.8	1.0	3.6	3.8	7.3	
ECA aire de SO <sub>2</sub>	250 µg/m <sup>3</sup> en periodo de 24 horas																															

Observación:

SD: Sin data

ID: Insuficiencia de datos para calcular promedio (menor del 75%), dato no calculado por no cumplir con la mínima suficiencia de datos (45 minutos o 18 horas)

Nota: Se realizó el cambio y la verificación del equipo analizador Thermo Scientific 450i del 25 de febrero desde las 15:55 horas hasta el 26 hasta las 15:10 horas



Tabla 3.2. Datos Meteorológicos

TÍTULO DEL ESTUDIO: Evaluación ambiental de seguimiento de la calidad del aire en el área de influencia de la Refinería Talara, ubicada en el distrito de Paríñas, provincia de Talara, departamento de Piura, en marzo de 2021

ESTACIÓN DE MONITOREO: CA-TA-01 CÓDIGO DE ACCIÓN: No aplica

DATOS DEL EQUIPO

EQUIPO: Estación meteorológica MARCA: Campbell Scientific  
 MODELO: CR1000 SERIE: 30824

FECHA Y HORA	Presión atmosférica (mmHg)	Precipitación (mm)	Temperatura ambiental (°C)	Humedad relativa (%)	Velocidad de Viento (m/s)	Dirección de Viento (°)
1/03/2021 00:00	-	0.0	25.4	68.0	0.5	145.2
1/03/2021 01:00	-	0.0	24.5	70.8	0.6	146.2
1/03/2021 02:00	-	0.0	24.5	70.3	0.4	146.7
1/03/2021 03:00	-	0.0	24.5	72.8	0.5	145.1
1/03/2021 04:00	-	0.0	24.9	70.1	0.7	206.3
1/03/2021 05:00	-	0.0	24.5	70.5	0.4	154.6
1/03/2021 06:00	-	0.0	24.5	70.6	0.4	156.3
1/03/2021 07:00	-	0.0	25.1	68.4	0.9	152.1
1/03/2021 08:00	-	0.0	27.1	62.4	0.5	142.1
1/03/2021 09:00	-	0.0	25.0	71.1	1.3	355.7
1/03/2021 10:00	-	0.0	23.8	77.0	1.4	330.5
1/03/2021 11:00	-	0.0	25.2	72.5	2.0	301.2
1/03/2021 12:00	-	0.0	25.7	70.3	2.1	300.0
1/03/2021 13:00	-	0.0	26.3	68.8	2.6	274.2
1/03/2021 14:00	-	0.0	26.6	68.3	2.2	269.6
1/03/2021 15:00	-	0.0	26.0	67.2	2.3	266.6
1/03/2021 16:00	-	0.0	25.8	70.0	1.7	275.4
1/03/2021 17:00	-	0.0	24.9	76.1	1.0	326.1
1/03/2021 18:00	-	0.0	24.6	76.6	1.1	276.5
1/03/2021 19:00	-	0.0	24.6	76.7	0.8	296.5
1/03/2021 20:00	-	0.0	24.4	74.5	1.1	264.3
1/03/2021 21:00	-	0.0	24.8	75.3	0.5	224.1
1/03/2021 22:00	-	0.0	25.0	74.3	0.5	246.5
1/03/2021 23:00	-	0.0	24.8	73.4	0.4	161.5
2/03/2021 00:00	-	0.0	24.7	73.0	0.5	145.0
2/03/2021 01:00	-	0.0	24.7	74.6	0.3	1.6
2/03/2021 02:00	-	0.0	25.1	73.8	0.4	118.4
2/03/2021 03:00	-	0.0	25.3	75.1	0.5	74.6
2/03/2021 04:00	-	0.0	24.8	79.6	1.1	92.8
2/03/2021 05:00	-	0.0	24.8	82.3	1.4	105.0
2/03/2021 06:00	-	0.0	24.8	84.7	1.7	102.5
2/03/2021 07:00	-	0.0	25.0	84.0	1.6	95.7
2/03/2021 08:00	-	0.0	26.0	80.1	1.0	106.4
2/03/2021 09:00	-	0.0	27.3	73.9	1.1	17.3
2/03/2021 10:00	-	0.0	27.7	75.0	1.7	302.4
2/03/2021 11:00	-	-	-	-	-	-
2/03/2021 12:00	-	-	-	-	-	-
2/03/2021 13:00	-	0.0	28.0	74.0	2.6	321.2
2/03/2021 14:00	-	0.0	28.3	74.8	2.4	316.6
2/03/2021 15:00	-	0.0	27.8	77.7	3.0	319.7
2/03/2021 16:00	-	0.0	27.5	80.5	2.8	318.6
2/03/2021 17:00	-	0.0	27.2	82.5	1.7	340.5
2/03/2021 18:00	-	0.0	26.4	86.0	1.4	333.6
2/03/2021 19:00	-	0.0	25.8	89.0	1.1	357.8
2/03/2021 20:00	-	0.0	25.6	90.2	1.2	0.6
2/03/2021 21:00	-	0.0	25.6	90.6	0.8	331.6
2/03/2021 22:00	-	0.0	25.6	90.4	0.9	1.3
2/03/2021 23:00	-	0.0	25.6	89.5	0.7	317.5
3/03/2021 00:00	-	0.0	25.7	89.5	0.6	319.8
3/03/2021 01:00	-	0.3	25.5	90.8	0.5	1.5
3/03/2021 02:00	-	0.0	25.0	91.1	0.8	147.9
3/03/2021 03:00	-	4.4	24.0	93.3	0.8	146.3
3/03/2021 04:00	-	0.0	23.7	94.0	0.6	137.3
3/03/2021 05:00	-	0.0	24.0	92.8	0.5	124.7
3/03/2021 06:00	-	0.0	24.4	91.7	0.9	90.9
3/03/2021 07:00	-	0.0	24.4	89.7	0.8	104.6
3/03/2021 08:00	-	0.0	25.2	86.1	1.0	109.0
3/03/2021 09:00	-	0.0	26.1	85.6	1.0	282.0
3/03/2021 10:00	-	0.0	26.5	84.2	1.3	310.5
3/03/2021 11:00	-	0.0	26.9	81.7	2.0	323.2
3/03/2021 12:00	-	0.0	27.0	81.9	2.2	325.1
3/03/2021 13:00	-	0.0	27.3	80.3	2.2	310.2
3/03/2021 14:00	-	0.0	27.9	78.2	2.3	296.9
3/03/2021 15:00	-	0.0	28.1	76.9	2.8	286.2
3/03/2021 16:00	-	0.0	28.2	76.4	1.9	254.3
3/03/2021 17:00	-	0.0	27.7	80.1	2.1	279.9
3/03/2021 18:00	-	0.0	27.0	82.0	1.5	256.5
3/03/2021 19:00	-	0.0	26.1	85.7	0.8	320.0
3/03/2021 20:00	-	0.0	25.9	86.2	0.7	300.5
3/03/2021 21:00	-	0.0	26.0	85.3	0.8	260.0
3/03/2021 22:00	-	0.0	26.0	83.9	0.9	228.6
3/03/2021 23:00	-	0.0	25.7	82.4	0.7	198.6
4/03/2021 00:00	-	0.0	25.4	77.3	0.3	165.0
4/03/2021 01:00	-	0.0	25.4	76.3	0.5	207.6
4/03/2021 02:00	-	0.0	25.4	79.0	0.6	185.3
4/03/2021 03:00	-	0.0	25.4	76.3	0.9	137.7
4/03/2021 04:00	-	0.0	25.4	77.5	1.1	104.5
4/03/2021 05:00	-	0.0	25.8	77.2	1.1	97.8
4/03/2021 06:00	-	0.0	25.8	78.8	1.2	92.5
4/03/2021 07:00	-	0.0	25.9	78.8	1.0	100.3
4/03/2021 08:00	-	0.0	27.1	73.8	0.7	87.8
4/03/2021 09:00	-	0.0	28.0	70.6	1.2	306.8
4/03/2021 10:00	-	0.0	27.6	73.5	1.7	262.8
4/03/2021 11:00	-	0.0	28.4	70.9	1.9	279.3
4/03/2021 12:00	-	0.0	28.3	73.0	2.5	281.1
4/03/2021 13:00	-	0.0	28.6	74.3	2.6	283.9
4/03/2021 14:00	-	0.0	28.8	73.0	2.6	271.3
4/03/2021 15:00	-	0.0	28.5	73.1	2.5	261.0
4/03/2021 16:00	-	0.0	28.3	71.7	2.2	262.9
4/03/2021 17:00	-	0.0	27.3	77.4	2.6	248.1
4/03/2021 18:00	-	0.0	28.8	80.1	1.9	236.6
4/03/2021 19:00	-	0.0	28.2	76.6	1.6	224.1
4/03/2021 20:00	-	0.0	26.0	78.4	1.0	216.6
4/03/2021 21:00	-	0.0	25.7	77.9	0.8	145.3
4/03/2021 22:00	-	0.0	25.5	75.4	0.8	168.1
4/03/2021 23:00	-	0.0	25.7	74.4	0.9	144.6
5/03/2021 00:00	-	-	-	-	-	-
5/03/2021 01:00	-	0.0	26.1	69.5	0.6	154.7
5/03/2021 02:00	-	0.0	26.2	66.9	1.1	154.1
5/03/2021 03:00	-	0.0	25.9	68.4	1.0	155.9
5/03/2021 04:00	-	-	-	-	-	-
5/03/2021 05:00	-	0.0	25.3	75.9	0.6	114.1
5/03/2021 06:00	-	0.0	25.3	75.4	0.3	116.3
5/03/2021 07:00	-	0.0	25.3	76.4	0.2	271.1
5/03/2021 08:00	-	0.0	25.8	76.9	0.5	292.9

5	5/03/2021 09:00	-	0.0	27.1	70.4	1.4	293.3
	5/03/2021 10:00	-	0.0	27.5	73.0	2.0	267.5
	5/03/2021 11:00	-	0.0	27.9	70.6	2.1	266.0
	5/03/2021 12:00	-	0.0	27.7	72.2	2.2	294.6
	5/03/2021 13:00	-	0.0	27.6	75.8	2.1	302.1
	5/03/2021 14:00	-	0.0	27.3	77.5	2.2	292.0
	5/03/2021 15:00	-	0.0	27.3	78.6	2.0	312.4
	5/03/2021 16:00	-	0.0	27.4	78.0	1.8	320.8
	5/03/2021 17:00	-	0.0	27.0	79.1	1.3	338.8
	5/03/2021 18:00	-	0.0	26.4	82.3	1.1	350.9
	5/03/2021 19:00	-	0.0	26.1	82.2	1.0	281.5
	5/03/2021 20:00	-	0.0	26.1	82.5	1.0	251.5
6	5/03/2021 21:00	-	0.0	26.1	83.2	0.7	232.0
	5/03/2021 22:00	-	0.0	26.1	81.7	0.5	181.4
	5/03/2021 23:00	-	0.0	25.9	78.6	0.6	181.7
	6/03/2021 00:00	-	0.0	25.9	72.0	0.8	215.8
	6/03/2021 01:00	-	0.0	25.5	74.5	0.3	210.1
	6/03/2021 02:00	-	0.0	25.2	79.5	0.4	220.4
	6/03/2021 03:00	-	0.0	25.2	81.0	0.5	234.8
	6/03/2021 04:00	-	0.0	25.2	81.3	0.2	212.8
	6/03/2021 05:00	-	0.0	25.1	82.8	0.3	273.7
	6/03/2021 06:00	-	0.0	24.9	84.7	0.3	5.3
	6/03/2021 07:00	-	0.0	25.1	83.3	0.4	144.4
	6/03/2021 08:00	-	0.0	27.4	72.3	0.8	187.2
6/03/2021 09:00	-	0.0	29.0	62.0	1.4	210.8	
6/03/2021 10:00	-	0.0	29.2	66.2	2.2	251.3	
6/03/2021 11:00	-	0.0	28.1	71.6	3.0	249.8	
6/03/2021 12:00	-	0.0	28.0	72.9	3.0	244.1	
6/03/2021 13:00	-	0.0	28.1	71.1	3.2	259.2	
6/03/2021 14:00	-	0.0	28.1	69.2	3.6	264.9	
6/03/2021 15:00	-	0.0	27.9	70.7	3.1	258.4	
6/03/2021 16:00	-	0.0	27.6	72.0	2.6	258.7	
6/03/2021 17:00	-	0.0	27.3	73.1	1.7	256.6	
6/03/2021 18:00	-	0.0	26.5	76.1	1.8	267.5	
6/03/2021 19:00	-	0.0	26.3	75.8	1.2	235.9	
6/03/2021 20:00	-	0.0	26.4	74.3	0.8	195.1	
6/03/2021 21:00	-	0.0	26.1	76.3	0.6	176.5	
6/03/2021 22:00	-	0.0	25.9	75.4	0.6	150.0	
6/03/2021 23:00	-	0.0	25.6	75.9	0.5	183.2	
7	7/03/2021 00:00	-	0.0	25.6	75.9	0.6	189.6
	7/03/2021 01:00	-	0.0	25.4	78.8	1.0	218.2
	7/03/2021 02:00	-	0.0	25.1	81.6	0.9	205.5
	7/03/2021 03:00	-	0.0	25.1	81.6	0.7	203.6
	7/03/2021 04:00	-	0.0	24.9	82.8	0.4	213.4
	7/03/2021 05:00	-	0.0	24.7	82.9	0.5	205.6
	7/03/2021 06:00	-	0.0	24.9	76.3	0.8	152.5
	7/03/2021 07:00	-	0.0	25.5	73.0	1.5	149.0
	7/03/2021 08:00	-	0.0	26.8	66.9	1.4	139.4
	7/03/2021 09:00	-	0.0	28.5	60.2	1.1	169.1
	7/03/2021 10:00	-	0.0	29.8	55.5	1.5	202.3
	7/03/2021 11:00	-	0.0	30.4	57.8	2.0	249.1
7/03/2021 12:00	-	0.0	28.2	69.0	3.3	253.8	
7/03/2021 13:00	-	0.0	28.2	67.2	3.1	252.3	
7/03/2021 14:00	-	0.0	27.8	70.7	3.4	255.7	
7/03/2021 15:00	-	0.0	27.6	73.6	2.6	269.4	
7/03/2021 16:00	-	0.0	27.7	74.9	2.0	274.6	
7/03/2021 17:00	-	0.0	27.1	75.9	1.7	265.5	
7/03/2021 18:00	-	0.0	26.4	80.8	1.4	262.2	
7/03/2021 19:00	-	0.0	25.9	82.2	1.2	248.4	
7/03/2021 20:00	-	0.0	25.9	81.0	1.4	244.2	
7/03/2021 21:00	-	0.0	25.7	80.5	1.0	215.4	
7/03/2021 22:00	-	0.0	25.5	82.0	0.6	144.7	
7/03/2021 23:00	-	0.0	25.5	82.0	0.6	148.0	
8	8/03/2021 00:00	-	0.0	25.3	82.1	0.6	149.1
	8/03/2021 01:00	-	0.0	25.4	77.9	1.0	144.5
	8/03/2021 02:00	-	0.0	25.3	77.1	0.8	148.4
	8/03/2021 03:00	-	0.0	24.8	77.1	0.7	134.4
	8/03/2021 04:00	-	0.0	24.7	77.9	0.4	165.8
	8/03/2021 05:00	-	0.0	25.0	77.9	0.2	215.1
	8/03/2021 06:00	-	0.0	25.0	78.1	0.2	161.8
	8/03/2021 07:00	-	0.0	25.4	76.8	0.3	156.7
	8/03/2021 08:00	-	0.0	27.0	72.1	0.4	144.7
	8/03/2021 09:00	-	0.0	27.9	69.6	1.4	257.8
	8/03/2021 10:00	-	0.0	28.3	66.7	2.3	266.6
	8/03/2021 11:00	-	0.0	28.6	67.6	2.1	290.2
8/03/2021 12:00	-	0.0	28.3	70.9	2.2	296.6	
8/03/2021 13:00	-	0.0	28.4	76.0	2.0	320.8	
8/03/2021 14:00	-	0.0	29.0	74.7	2.1	342.0	
8/03/2021 15:00	-	0.0	28.6	76.1	2.0	341.9	
8/03/2021 16:00	-	0.0	27.9	78.6	2.0	332.4	
8/03/2021 17:00	-	0.0	27.8	78.8	2.2	329.8	
8/03/2021 18:00	-	0.0	27.4	78.0	1.9	324.9	
8/03/2021 19:00	-	0.0	27.2	80.8	1.6	321.4	
8/03/2021 20:00	-	0.0	26.9	84.0	1.5	269.5	
8/03/2021 21:00	-	0.0	26.5	86.0	1.4	252.1	
8/03/2021 22:00	-	2.7	25.6	89.4	1.0	220.5	
8/03/2021 23:00	-	2.3	25.2	90.7	0.8	212.4	
9	9/03/2021 00:00	-	2.7	24.5	92.2	0.6	177.0
	9/03/2021 01:00	-	6.0	23.8	93.3	0.5	135.6
	9/03/2021 02:00	-	4.0	23.6	94.6	0.8	105.5
	9/03/2021 03:00	-	4.3	23.4	95.1	1.3	99.9
	9/03/2021 04:00	-	0.9	23.6	95.2	0.8	108.1
	9/03/2021 05:00	-	2.4	23.5	94.9	1.0	96.0
	9/03/2021 06:00	-	3.3	23.4	94.2	0.6	39.2
	9/03/2021 07:00	-	2.1	23.6	92.8	1.3	14.1
	9/03/2021 08:00	-	0.0	23.9	93.0	1.1	15.2
	9/03/2021 09:00	-	0.3	24.5	90.7	1.4	4.4
	9/03/2021 10:00	-	0.0	25.2	88.6	2.2	7.0
	9/03/2021 11:00	-	0.0	26.1	83.6	2.1	358.1
9/03/2021 12:00	-	0.0	26.3	85.2	2.3	353.1	
9/03/2021 13:00	-	0.0	26.5	82.4	2.2	353.9	
9/03/2021 14:00	-	0.0	26.5	79.9	1.8	350.0	
9/03/2021 15:00	-	0.0	26.6	80.5	1.8	329.8	
9/03/2021 16:00	-	0.0	26.3	82.2	1.6	323.6	
9/03/2021 17:00	-	0.0	26.0	84.9	1.9	316.5	
9/03/2021 18:00	-	0.0	25.8	84.8	2.0	320.2	
9/03/2021 19:00	-	0.0	25.8	83.4	1.3	324.8	
9/03/2021 20:00	-	0.0	25.9	82.2	0.3	17.8	
9/03/2021 21:00	-	0.0	26.1	81.9	0.3	117.8	
9/03/2021 22:00	-	0.0	25.9	83.7	0.4	158.3	
9/03/2021 23:00	-	-	-	-	-	-	
10	10/03/2021 00:00	-	0.0	25.6	87.5	0.4	165.4
	10/03/2021 01:00	-	0.0	25.4	89.5	0.6	152.8
	10/03/2021 02:00	-	0.0	25.1	90.3	0.6	200.3
	10/03/2021 03:00	-	0.0	25.1	88.8	0.6	187.3
	10/03/2021 04:00	-	0.0	25.1	87.1	0.7	220.9
	10/03/2021 05:00	-	0.0	25.0	88.4	0.4	196.5
	10/03/2021 06:00	-	0.0	24.9	89.3	0.5	205.2
	10/03/2021 07:00	-	0.0	25.0	89.7	0.6	169.5
	10/03/2021 08:00	-	0.0	26.0	84.2	0.9	148.1
	10/03/2021 09:00	-	0.0	28.4	72.3	0.8	136.3
	10/03/2021 10:00	-	0.0	29.8	62.9	1.0	174.8
	10/03/2021 11:00	-	0.0	29.9	60.9	2.7	260.4
10/03/2021 12:00	-	0.0	29.6	61.5	3.3	264.5	
10/03/2021 13:00	-	0.0	29.1	65.9	2.9	254.9	
10/03/2021 14:00	-	0.0	29.2	66.9	2.1	249.3	
10/03/2021 15:00	-	0.0	29.2	68.7	1.9	244.7	
10/03/2021 16:00	-	0.0	28.5	72.2	2.0	245.9	
10/03/2021 17:00	-	0.0	27.9	75.1	2.1	248.1	
10/03/2021 18:00	-	0.0	27.5	73.3	1.5	251.7	
10/03/2021 19:00	-	0.0	27.2	79.2	1.3	250.0	
10/03/2021 20:00	-	0.0	27.1	79.3	1.3	234.7	

11	10/03/2021 21:00	-	0.0	26.9	80.5	1.0	225.4
	10/03/2021 22:00	-	0.0	27.0	79.2	0.9	220.8
	10/03/2021 23:00	-	0.0	26.9	79.6	1.0	208.9
	11/03/2021 00:00	-	0.0	26.7	82.5	0.8	207.0
	11/03/2021 01:00	-	0.0	26.4	82.3	0.7	217.8
	11/03/2021 02:00	-	0.0	26.0	82.2	0.4	171.8
	11/03/2021 03:00	-	0.0	25.8	82.9	0.7	139.7
	11/03/2021 04:00	-	0.0	25.6	82.8	0.5	146.5
	11/03/2021 05:00	-	0.0	25.2	84.3	0.4	207.9
	11/03/2021 06:00	-	0.0	25.0	84.8	0.3	166.1
	11/03/2021 07:00	-	0.0	25.1	85.0	0.4	167.4
	11/03/2021 08:00	-	0.0	25.7	83.0	0.5	141.7
	11/03/2021 09:00	-	0.0	27.4	75.0	0.7	168.8
	11/03/2021 10:00	-	0.0	28.3	71.2	1.8	262.9
	11/03/2021 11:00	-	0.0	28.1	72.0	2.8	261.7
	11/03/2021 12:00	-	0.0	28.2	73.2	2.5	267.9
	11/03/2021 13:00	-	0.0	28.2	73.5	3.0	279.5
	11/03/2021 14:00	-	0.0	28.5	70.5	2.8	287.1
	11/03/2021 15:00	-	0.0	28.6	70.7	2.6	285.1
	11/03/2021 16:00	-	0.0	28.2	72.9	2.5	285.3
	11/03/2021 17:00	-	0.0	28.1	74.7	2.0	271.2
	11/03/2021 18:00	-	0.0	27.3	79.4	1.9	260.9
	11/03/2021 19:00	-	0.0	26.8	81.7	1.5	244.6
	11/03/2021 20:00	-	0.0	26.7	81.0	1.1	217.0
11/03/2021 21:00	-	0.0	26.6	79.1	0.8	212.4	
11/03/2021 22:00	-	0.0	26.4	78.9	0.9	155.9	
11/03/2021 23:00	-	-	-	-	-	-	
12	12/03/2021 00:00	-	0.0	26.3	75.7	1.3	155.4
	12/03/2021 01:00	-	0.0	26.1	74.0	1.2	138.1
	12/03/2021 02:00	-	0.0	25.6	74.1	1.3	148.3
	12/03/2021 03:00	-	0.0	25.3	75.4	0.7	171.4
	12/03/2021 04:00	-	0.0	24.9	77.3	0.4	200.5
	12/03/2021 05:00	-	0.0	24.5	78.6	0.5	173.7
	12/03/2021 06:00	-	0.0	24.1	79.7	0.8	146.8
	12/03/2021 07:00	-	0.0	24.8	78.7	0.9	160.6
	12/03/2021 08:00	-	0.0	26.6	70.8	1.0	151.0
	12/03/2021 09:00	-	0.0	28.3	63.6	0.8	188.2
	12/03/2021 10:00	-	0.0	29.1	61.4	1.9	265.4
	12/03/2021 11:00	-	0.0	28.6	63.9	3.2	261.3
	12/03/2021 12:00	-	0.0	28.5	62.9	3.2	251.0
	12/03/2021 13:00	-	0.0	28.9	63.6	2.8	255.6
	12/03/2021 14:00	-	0.0	28.3	67.5	2.9	288.4
	12/03/2021 15:00	-	0.0	28.1	67.3	2.9	271.8
	12/03/2021 16:00	-	0.0	28.3	67.8	2.2	266.8
	12/03/2021 17:00	-	0.0	27.9	71.0	2.1	265.5
	12/03/2021 18:00	-	0.0	27.0	75.3	2.0	256.5
	12/03/2021 19:00	-	0.0	26.6	78.7	1.5	218.7
	12/03/2021 20:00	-	0.0	26.3	78.3	1.1	230.8
	12/03/2021 21:00	-	0.0	26.3	78.6	1.1	222.7
	12/03/2021 22:00	-	-	-	-	-	-
	12/03/2021 23:00	-	0.0	26.0	79.9	0.9	216.7
13	13/03/2021 00:00	-	0.0	25.8	80.8	0.7	202.1
	13/03/2021 01:00	-	0.0	25.9	82.0	0.6	214.0
	13/03/2021 02:00	-	0.0	25.5	83.3	0.7	185.7
	13/03/2021 03:00	-	0.0	25.3	79.2	1.3	148.7
	13/03/2021 04:00	-	0.0	25.1	73.3	1.2	155.3
	13/03/2021 05:00	-	0.0	24.6	77.6	1.2	147.2
	13/03/2021 06:00	-	0.0	24.4	79.3	1.2	150.3
	13/03/2021 07:00	-	0.0	25.1	72.1	1.5	148.6
	13/03/2021 08:00	-	0.0	26.5	63.4	1.6	141.8
	13/03/2021 09:00	-	0.0	28.2	56.7	1.3	134.3
	13/03/2021 10:00	-	0.0	29.9	52.1	1.3	180.0
	13/03/2021 11:00	-	0.0	31.2	48.5	1.5	198.9
	13/03/2021 12:00	-	0.0	29.9	58.6	3.4	256.1
	13/03/2021 13:00	-	0.0	27.6	70.6	4.2	247.3
	13/03/2021 14:00	-	0.0	27.9	68.3	3.5	245.7
	13/03/2021 15:00	-	0.0	27.3	73.6	3.4	249.6
	13/03/2021 16:00	-	0.0	27.1	76.2	2.8	242.0
	13/03/2021 17:00	-	0.0	27.3	75.2	1.9	236.1
	13/03/2021 18:00	-	0.0	26.6	75.1	1.8	229.3
	13/03/2021 19:00	-	0.0	26.2	76.0	1.6	217.7
	13/03/2021 20:00	-	0.0	25.9	76.7	1.6	214.1
	13/03/2021 21:00	-	0.0	25.6	78.9	0.9	199.9
	13/03/2021 22:00	-	0.0	25.4	80.7	0.5	215.5
	13/03/2021 23:00	-	0.0	25.3	82.4	0.5	166.7
14	14/03/2021 00:00	-	0.0	25.2	84.0	0.5	146.4
	14/03/2021 01:00	-	0.0	25.3	75.6	0.9	153.0
	14/03/2021 02:00	-	0.0	25.2	69.8	0.9	147.4
	14/03/2021 03:00	-	0.0	24.9	70.4	0.8	146.6
	14/03/2021 04:00	-	0.0	24.2	75.2	0.7	155.0
	14/03/2021 05:00	-	0.0	23.8	75.6	1.2	154.8
	14/03/2021 06:00	-	0.0	23.7	78.9	1.2	148.6
	14/03/2021 07:00	-	0.0	24.1	76.1	1.2	150.5
	14/03/2021 08:00	-	0.0	26.1	68.4	1.3	139.2
	14/03/2021 09:00	-	0.0	28.0	60.9	1.2	175.0
	14/03/2021 10:00	-	0.0	29.6	56.2	1.5	240.5
	14/03/2021 11:00	-	0.0	28.1	67.5	3.5	262.1
	14/03/2021 12:00	-	0.0	27.1	73.8	3.5	262.3
	14/03/2021 13:00	-	0.0	27.4	73.2	2.9	259.3
	14/03/2021 14:00	-	0.0	27.2	70.2	2.9	244.8
	14/03/2021 15:00	-	0.0	27.9	67.1	2.6	265.6
	14/03/2021 16:00	-	0.0	27.7	65.2	1.9	256.0
	14/03/2021 17:00	-	0.0	27.6	63.0	1.6	257.6
	14/03/2021 18:00	-	0.0	25.9	66.8	1.4	261.4
	14/03/2021 19:00	-	0.0	26.0	80.1	1.6	253.5
	14/03/2021 20:00	-	0.0	25.6	82.2	1.5	240.6
	14/03/2021 21:00	-	0.0	25.4	84.0	1.0	236.9
	14/03/2021 22:00	-	0.0	25.6	81.8	0.9	218.4
	14/03/2021 23:00	-	0.0	25.4	83.8	0.9	210.1
15	15/03/2021 00:00	-	0.0	25.2	84.5	0.7	211.6
	15/03/2021 01:00	-	0.0	25.1	85.5	0.5	206.8
	15/03/2021 02:00	-	0.0	25.0	86.1	0.5	170.6
	15/03/2021 03:00	-	0.0	25.0	83.4	0.7	136.9
	15/03/2021 04:00	-	0.0	25.0	74.9	0.9	149.0
	15/03/2021 05:00	-	0.0	25.2	72.9	0.9	160.7
	15/03/2021 06:00	-	0.0	25.1	69.8	0.8	153.2
	15/03/2021 07:00	-	0.0	25.3	68.2	0.7	161.5
	15/03/2021 08:00	-	0.0	27.4	63.4	0.6	162.6
	15/03/2021 09:00	-	0.0	28.9	59.2	0.8	349.0
	15/03/2021 10:00	-	0.0	28.8	61.3	2.2	268.6
	15/03/2021 11:00	-	0.0	28.2	65.9	2.7	264.6
	15/03/2021 12:00	-	0.0	27.4	70.6	3.2	267.1
	15/03/2021 13:00	-	0.0	27.4	73.5	2.6	262.7
	15/03/2021 14:00	-	0.0	27.4	72.5	3.0	256.9
	15/03/2021 15:00	-	0.0	26.7	77.3	3.3	252.2
	15/03/2021 16:00	-	0.0	26.7	77.3	2.7	246.5
	15/03/2021 17:00	-	0.0	26.3	75.0	2.2	228.0
	15/03/2021 18:00	-	0.0	26.2	76.2	1.4	237.2
	15/03/2021 19:00	-	0.0	25.7	79.6	1.5	223.9
	15/03/2021 20:00	-	0.0	25.5	80.7	1.0	218.4
	15/03/2021 21:00	-	0.0	25.4	81.6	0.9	152.8
	15/03/2021 22:00	-	0.0	25.4	81.5	0.7	169.1
	15/03/2021 23:00	-	-	-	-	-	-
16	16/03/2021 00:00	-	0.0	25.5	75.9	0.7	142.0
	16/03/2021 01:00	-	0.0	25.6	71.0	0.9	150.5
	16/03/2021 02:00	-	0.0	25.6	74.1	1.0	143.7
	16/03/2021 03:00	-	0.0	25.6	76.4	0.9	148.1
	16/03/2021 04:00	-	0.0	25.4	77.2	0.9	149.0
	16/03/2021 05:00	-	0.0	25.3	77.4	0.7	148.1
	16/03/2021 06:00	-	0.0	25.5	73.7	0.9	142.2
	16/03/2021 07:00	-	0.0	26.1	67.5	0.7	131.6
16/03/2021 08:00	-	0.0	27.1	65.7	0.5	123.3	

16	16/03/2021 09:00	-	0.0	25.9	80.8	1.0	352.2
	16/03/2021 10:00	-	0.0	27.1	74.0	1.5	319.4
	16/03/2021 11:00	-	0.0	27.9	69.4	1.8	301.9
	16/03/2021 12:00	-	0.0	27.9	68.0	2.0	300.3
	16/03/2021 13:00	-	0.0	27.4	70.4	1.8	340.6
	16/03/2021 14:00	-	0.0	26.6	66.6	2.4	301.5
	16/03/2021 15:00	-	0.0	30.1	61.2	3.0	261.3
	16/03/2021 16:00	-	0.0	30.6	57.9	2.1	215.4
	16/03/2021 17:00	-	0.0	28.2	64.7	2.5	207.8
	16/03/2021 18:00	-	0.0	26.5	74.5	1.9	221.7
	16/03/2021 19:00	-	0.0	25.5	80.9	1.9	200.6
	16/03/2021 20:00	-	0.0	25.4	81.7	1.4	217.2
	16/03/2021 21:00	-	0.0	25.2	82.8	0.7	192.6
	16/03/2021 22:00	-	0.0	24.9	82.9	0.8	183.5
	16/03/2021 23:00	-	0.0	24.9	80.2	0.7	210.4
	17/03/2021 00:00	-	0.0	25.1	77.1	0.9	205.7
	17/03/2021 01:00	-	0.0	25.0	75.1	0.5	181.3
	17/03/2021 02:00	-	0.0	24.8	74.2	0.7	144.6
	17/03/2021 03:00	-	0.0	24.8	72.4	0.8	167.2
	17/03/2021 04:00	-	0.0	24.8	70.3	0.9	156.5
	17/03/2021 05:00	-	0.0	24.5	70.0	0.9	147.5
	17/03/2021 06:00	-	0.0	24.5	67.1	0.5	169.4
	17/03/2021 07:00	-	0.0	25.3	61.6	0.5	156.5
	17/03/2021 08:00	-	0.0	26.5	56.0	1.0	144.4
17/03/2021 09:00	-	0.0	28.7	49.6	1.3	171.4	
17/03/2021 10:00	-	0.0	30.7	45.9	1.1	183.5	
17/03/2021 11:00	-	0.0	31.5	46.9	1.7	203.5	
17/03/2021 12:00	-	0.0	29.3	58.6	2.9	255.3	
17/03/2021 13:00	-	0.0	29.7	54.1	2.6	240.5	
17/03/2021 14:00	-	0.0	27.9	63.4	3.1	241.1	
17/03/2021 15:00	-	0.0	26.9	71.3	2.7	249.7	
17/03/2021 16:00	-	0.0	25.8	76.7	3.1	247.9	
17/03/2021 17:00	-	0.0	25.6	75.2	1.9	224.0	
17/03/2021 18:00	-	0.0	25.5	73.6	1.9	210.5	
17/03/2021 19:00	-	0.0	25.1	78.0	1.5	210.9	
17/03/2021 20:00	-	0.0	24.7	80.6	0.8	174.0	
17/03/2021 21:00	-	0.0	24.6	81.3	0.7	134.8	
17/03/2021 22:00	-	0.0	24.6	82.1	0.8	147.7	
17/03/2021 23:00	-	0.0	24.7	81.3	0.5	214.5	
18/03/2021 00:00	-	0.0	24.7	80.5	0.6	164.2	
18/03/2021 01:00	-	0.0	24.5	76.0	1.1	160.4	
18/03/2021 02:00	-	0.0	24.5	74.0	1.3	150.7	
18/03/2021 03:00	-	0.0	24.4	72.8	1.3	143.1	
18/03/2021 04:00	-	0.0	24.2	71.4	1.3	143.3	
18/03/2021 05:00	-	0.0	24.1	71.5	1.1	146.0	
18/03/2021 06:00	-	0.0	24.0	71.5	1.0	147.1	
18/03/2021 07:00	-	0.0	25.1	64.4	0.7	154.7	
18/03/2021 08:00	-	0.0	27.8	50.0	0.8	146.3	
18/03/2021 09:00	-	0.0	29.6	47.7	0.8	211.3	
18/03/2021 10:00	-	0.0	29.1	56.1	2.4	271.5	
18/03/2021 11:00	-	0.0	26.8	66.9	3.5	267.9	
18/03/2021 12:00	-	0.0	26.0	71.8	3.1	262.2	
18/03/2021 13:00	-	0.0	27.2	64.2	2.9	260.2	
18/03/2021 14:00	-	0.0	27.6	59.3	2.7	258.5	
18/03/2021 15:00	-	0.0	27.0	60.5	2.5	265.7	
18/03/2021 16:00	-	0.0	25.6	72.4	2.5	252.2	
18/03/2021 17:00	-	0.0	24.3	82.3	2.5	249.4	
18/03/2021 18:00	-	0.0	24.5	80.0	1.6	237.1	
18/03/2021 19:00	-	0.0	24.7	76.0	1.0	226.2	
18/03/2021 20:00	-	0.0	24.9	75.1	0.7	186.8	
18/03/2021 21:00	-	0.0	24.6	81.0	0.7	175.7	
18/03/2021 22:00	-	0.0	24.2	83.7	0.8	159.9	
18/03/2021 23:00	-	0.0	24.5	81.4	0.7	151.8	
19/03/2021 00:00	-	0.0	25.1	76.5	1.1	153.7	
19/03/2021 01:00	-	0.0	25.6	70.7	1.4	151.9	
19/03/2021 02:00	-	0.0	25.5	69.1	1.1	146.4	
19/03/2021 03:00	-	0.0	25.3	67.2	1.1	144.8	
19/03/2021 04:00	-	0.0	25.2	65.7	0.9	147.8	
19/03/2021 05:00	-	0.0	25.2	65.9	1.0	148.5	
19/03/2021 06:00	-	0.0	25.0	66.8	1.5	158.4	
19/03/2021 07:00	-	0.0	25.3	62.9	1.8	145.6	
19/03/2021 08:00	-	0.0	26.7	55.7	1.8	136.5	
19/03/2021 09:00	-	0.0	28.8	48.9	1.9	149.4	
19/03/2021 10:00	-	0.0	30.1	48.0	1.6	144.8	
19/03/2021 11:00	-	0.0	31.6	45.4	1.4	152.5	
19/03/2021 12:00	-	0.0	30.1	53.2	2.9	252.8	
19/03/2021 13:00	-	0.0	28.8	59.5	3.5	262.2	
19/03/2021 14:00	-	0.0	29.0	58.1	2.8	246.4	
19/03/2021 15:00	-	0.0	28.6	58.9	2.8	240.7	
19/03/2021 16:00	-	0.0	27.9	61.2	2.3	240.6	
19/03/2021 17:00	-	0.0	27.5	61.8	2.0	230.2	
19/03/2021 18:00	-	0.0	25.6	68.7	1.4	214.7	
19/03/2021 19:00	-	0.0	24.4	74.0	0.9	138.0	
19/03/2021 20:00	-	0.0	24.2	76.1	0.8	147.3	
19/03/2021 21:00	-	0.0	23.9	77.9	0.7	175.7	
19/03/2021 22:00	-	0.0	23.9	78.9	0.4	172.1	
19/03/2021 23:00	-	0.0	23.9	78.4	0.4	145.7	
20/03/2021 00:00	-	0.0	24.2	76.0	0.7	141.3	
20/03/2021 01:00	-	0.0	24.6	70.6	1.3	143.2	
20/03/2021 02:00	-	0.0	24.7	67.8	1.3	147.1	
20/03/2021 03:00	-	0.0	24.5	67.6	1.3	146.5	
20/03/2021 04:00	-	0.0	24.4	66.6	1.0	139.2	
20/03/2021 05:00	-	0.0	24.8	66.2	1.4	144.3	
20/03/2021 06:00	-	0.0	24.4	67.6	1.6	150.1	
20/03/2021 07:00	-	0.0	24.6	66.3	1.7	141.3	
20/03/2021 08:00	-	0.0	26.4	59.7	1.7	141.8	
20/03/2021 09:00	-	0.0	28.1	53.6	1.7	141.8	
20/03/2021 10:00	-	0.0	30.0	48.9	1.6	162.3	
20/03/2021 11:00	-	0.0	30.4	49.3	2.1	208.4	
20/03/2021 12:00	-	0.0	30.3	52.0	2.5	251.0	
20/03/2021 13:00	-	0.0	29.0	57.2	2.7	255.8	
20/03/2021 14:00	-	0.0	27.6	62.2	3.0	249.7	
20/03/2021 15:00	-	0.0	26.4	66.9	3.2	266.5	
20/03/2021 16:00	-	0.0	25.7	70.8	2.5	260.4	
20/03/2021 17:00	-	0.0	25.7	71.2	1.7	241.7	
20/03/2021 18:00	-	0.0	25.7	68.7	1.0	202.7	
20/03/2021 19:00	-	-	-	-	-	-	
20/03/2021 20:00	-	0.0	24.4	75.3	0.5	177.1	
20/03/2021 21:00	-	0.0	24.1	76.9	0.5	194.8	
20/03/2021 22:00	-	0.0	23.8	78.1	0.6	146.8	
20/03/2021 23:00	-	0.0	23.6	80.1	0.6	187.9	
21/03/2021 00:00	-	0.0	23.5	80.0	0.4	140.4	
21/03/2021 01:00	-	0.0	23.4	79.8	0.4	154.5	
21/03/2021 02:00	-	0.0	24.3	71.5	0.9	145.1	
21/03/2021 03:00	-	0.0	25.3	63.4	1.0	148.1	
21/03/2021 04:00	-	0.0	25.2	62.7	1.1	144.4	
21/03/2021 05:00	-	0.0	24.8	65.2	0.9	143.4	
21/03/2021 06:00	-	0.0	24.6	66.1	0.9	140.3	
21/03/2021 07:00	-	0.0	25.0	66.2	1.0	143.6	
21/03/2021 08:00	-	0.0	26.2	63.8	0.9	168.3	
21/03/2021 09:00	-	0.0	27.8	55.8	1.1	145.5	
21/03/2021 10:00	-	0.0	29.4	50.9	1.2	184.1	
21/03/2021 11:00	-	0.0	29.7	52.1	2.0	245.5	
21/03/2021 12:00	-	0.0	26.6	66.8	3.0	257.6	
21/03/2021 13:00	-	0.0	28.5	59.7	2.6	240.2	
21/03/2021 14:00	-	0.0	27.5	65.2	2.5	245.1	
21/03/2021 15:00	-	0.0	27.3	66.6	2.6	246.9	
21/03/2021 16:00	-	0.0	25.9	72.0	2.2	242.6	
21/03/2021 17:00	-	0.0	25.3	72.9	2.0	219.4	
21/03/2021 18:00	-	0.0	24.6	76.3	1.6	221.4	
21/03/2021 19:00	-	0.0	24.0	80.2	0.9	175.8	
21/03/2021 20:00	-	0.0	23.6	81.0	0.8	176.4	

22	21/03/2021 21:00	-	0.0	23.7	78.0	0.8	158.6
	21/03/2021 22:00	-	0.0	23.4	80.0	0.7	158.1
	21/03/2021 23:00	-	0.0	23.2	81.0	0.6	162.1
	22/03/2021 00:00	-	0.0	23.5	78.1	0.8	143.9
	22/03/2021 01:00	-	0.0	24.0	72.9	0.5	145.6
	22/03/2021 02:00	-	0.0	24.0	71.4	0.4	144.3
	22/03/2021 03:00	-	0.0	23.7	71.1	0.2	158.5
	22/03/2021 04:00	-	0.0	23.3	72.8	0.2	46.2
	22/03/2021 05:00	-	0.0	22.8	74.5	0.3	54.4
	22/03/2021 06:00	-	0.0	23.4	73.2	0.8	139.1
	22/03/2021 07:00	-	0.0	23.8	73.7	0.7	149.2
	22/03/2021 08:00	-	0.0	25.9	65.3	0.6	228.3
	22/03/2021 09:00	-	0.0	28.2	54.7	1.0	178.8
	22/03/2021 10:00	-	0.0	29.7	51.3	1.4	221.8
	22/03/2021 11:00	-	0.0	26.7	65.6	3.4	262.7
	22/03/2021 12:00	-	0.0	28.1	61.0	2.5	247.3
	22/03/2021 13:00	-	0.0	27.7	62.8	2.7	247.8
	22/03/2021 14:00	-	0.0	28.2	61.8	2.5	251.3
	22/03/2021 15:00	-	0.0	28.2	62.5	2.1	240.4
	22/03/2021 16:00	-	0.0	26.5	68.4	2.6	243.5
	22/03/2021 17:00	-	0.0	25.8	68.7	2.6	217.0
	22/03/2021 18:00	-	0.0	25.1	72.6	1.3	214.8
	22/03/2021 19:00	-	0.0	24.0	80.9	0.9	196.5
	22/03/2021 20:00	-	0.0	23.4	84.6	0.9	147.9
22/03/2021 21:00	-	0.0	23.2	84.8	0.7	142.9	
22/03/2021 22:00	-	0.0	22.9	85.8	0.7	199.2	
22/03/2021 23:00	-	0.0	23.0	84.4	0.4	187.6	
23	23/03/2021 00:00	-	0.0	23.0	82.3	0.6	292.1
	23/03/2021 01:00	-	0.0	21.8	86.8	0.7	36.3
	23/03/2021 02:00	-	0.0	21.5	88.6	0.5	43.5
	23/03/2021 03:00	-	0.0	23.0	84.5	0.4	181.3
	23/03/2021 04:00	-	0.0	23.6	81.8	0.4	135.5
	23/03/2021 05:00	-	0.0	23.1	82.5	0.4	185.0
	23/03/2021 06:00	-	0.0	22.8	83.3	0.8	175.1
	23/03/2021 07:00	-	0.0	23.3	81.4	0.9	165.8
	23/03/2021 08:00	-	0.0	25.1	74.9	0.9	140.7
	23/03/2021 09:00	-	0.0	27.7	64.1	0.9	168.4
	23/03/2021 10:00	-	0.0	29.4	55.9	1.6	248.2
	23/03/2021 11:00	-	0.0	27.1	65.4	3.7	269.3
	23/03/2021 12:00	-	0.0	26.1	68.3	3.6	263.0
	23/03/2021 13:00	-	0.0	26.4	66.4	3.4	262.8
	23/03/2021 14:00	-	0.0	25.5	70.6	3.4	257.0
	23/03/2021 15:00	-	0.0	25.0	73.0	2.5	242.8
	23/03/2021 16:00	-	0.0	25.2	70.4	1.7	220.0
	23/03/2021 17:00	-	0.0	24.0	75.4	1.4	206.2
	23/03/2021 18:00	-	0.0	23.0	80.7	0.8	182.9
	23/03/2021 19:00	-	0.0	22.6	82.4	0.8	195.1
	23/03/2021 20:00	-	0.0	22.5	82.5	0.6	206.0
	23/03/2021 21:00	-	0.0	23.0	80.0	0.8	157.5
	23/03/2021 22:00	-	0.0	23.5	77.5	1.1	146.6
	23/03/2021 23:00	-	0.0	23.9	75.4	1.3	138.8
24	24/03/2021 00:00	-	0.0	24.2	74.3	1.2	142.1
	24/03/2021 01:00	-	0.0	24.3	71.7	1.3	147.9
	24/03/2021 02:00	-	0.0	24.2	71.5	1.5	148.0
	24/03/2021 03:00	-	0.0	23.9	73.8	1.4	151.1
	24/03/2021 04:00	-	0.0	23.8	74.0	1.2	146.3
	24/03/2021 05:00	-	0.0	23.9	72.6	1.2	166.0
	24/03/2021 06:00	-	0.0	24.3	70.0	1.2	142.4
	24/03/2021 07:00	-	0.0	26.1	62.4	1.0	157.7
	24/03/2021 08:00	-	0.0	28.7	52.4	1.1	155.8
	24/03/2021 09:00	-	0.0	29.0	54.0	2.0	256.4
	24/03/2021 10:00	-	0.0	26.2	67.0	3.6	265.3
	24/03/2021 11:00	-	0.0	26.2	66.2	2.9	255.1
	24/03/2021 12:00	-	0.0	25.6	68.8	3.5	264.9
	24/03/2021 13:00	-	0.0	24.5	73.4	3.0	258.4
	24/03/2021 14:00	-	0.0	24.6	74.5	2.3	248.6
	24/03/2021 15:00	-	0.0	24.3	75.1	2.4	252.0
	24/03/2021 16:00	-	0.0	24.8	72.8	1.7	231.6
	24/03/2021 17:00	-	0.0	24.7	72.2	1.1	220.2
	24/03/2021 18:00	-	0.0	23.4	77.6	0.9	214.3
	24/03/2021 19:00	-	0.0	22.8	81.2	0.7	189.1
	24/03/2021 20:00	-	0.0	22.5	83.3	0.7	202.8
	24/03/2021 21:00	-	0.0	22.0	85.2	0.6	188.6
	24/03/2021 22:00	-	0.0	22.0	85.0	0.5	222.4
	24/03/2021 23:00	-	0.0	23.0	79.3	1.0	148.1
25	25/03/2021 00:00	-	0.0	23.6	76.2	1.6	149.3
	25/03/2021 01:00	-	0.0	23.3	77.2	1.4	146.5
	25/03/2021 02:00	-	0.0	23.1	78.1	1.1	151.5
	25/03/2021 03:00	-	0.0	22.9	79.3	0.9	150.1
	25/03/2021 04:00	-	0.0	22.8	80.0	1.5	137.4
	25/03/2021 05:00	-	0.0	22.6	81.3	1.4	136.8
	25/03/2021 06:00	-	0.0	22.7	81.4	1.4	140.6
	25/03/2021 07:00	-	0.0	24.2	73.9	1.7	142.2
	25/03/2021 08:00	-	0.0	26.3	64.6	1.6	151.2
	25/03/2021 09:00	-	0.0	28.3	55.9	1.5	165.7
	25/03/2021 10:00	-	0.0	28.9	55.1	1.9	240.7
	25/03/2021 11:00	-	0.0	27.5	60.9	2.7	257.2
	25/03/2021 12:00	-	0.0	28.9	55.5	2.6	246.6
	25/03/2021 13:00	-	0.0	26.3	64.8	3.0	242.5
	25/03/2021 14:00	-	0.0	25.5	67.2	2.9	236.0
	25/03/2021 15:00	-	0.0	26.3	63.2	2.4	216.7
	25/03/2021 16:00	-	0.0	25.5	64.9	1.9	206.9
	25/03/2021 17:00	-	0.0	23.5	74.0	1.7	203.5
	25/03/2021 18:00	-	0.0	22.4	80.5	1.5	209.3
	25/03/2021 19:00	-	0.0	22.5	80.6	1.0	199.2
	25/03/2021 20:00	-	0.0	22.4	81.1	0.9	199.1
	25/03/2021 21:00	-	0.0	22.5	80.0	0.8	194.4
	25/03/2021 22:00	-	0.0	22.9	77.0	1.0	167.0
	25/03/2021 23:00	-	0.0	23.6	72.8	1.4	146.2
26	26/03/2021 00:00	-	0.0	23.9	72.0	1.8	146.2
	26/03/2021 01:00	-	0.0	23.8	72.1	1.2	159.0
	26/03/2021 02:00	-	0.0	23.5	72.9	1.5	155.5
	26/03/2021 03:00	-	0.0	23.1	75.0	1.0	146.9
	26/03/2021 04:00	-	0.0	22.7	77.7	1.5	147.4
	26/03/2021 05:00	-	0.0	22.4	79.0	1.1	156.8
	26/03/2021 06:00	-	0.0	22.5	79.4	0.8	191.3
	26/03/2021 07:00	-	0.0	23.9	74.0	1.2	135.9
	26/03/2021 08:00	-	0.0	25.9	66.5	1.3	179.9
	26/03/2021 09:00	-	0.0	27.8	60.5	1.8	218.5
	26/03/2021 10:00	-	0.0	28.5	58.2	1.4	238.8
	26/03/2021 11:00	-	0.0	28.7	56.7	2.4	231.2
	26/03/2021 12:00	-	0.0	27.2	61.2	3.1	254.8
	26/03/2021 13:00	-	0.0	26.3	64.0	2.7	256.1
	26/03/2021 14:00	-	0.0	25.3	67.4	2.6	270.2
	26/03/2021 15:00	-	0.0	24.0	70.8	3.2	271.0
	26/03/2021 16:00	-	0.0	23.1	73.0	2.5	267.9
	26/03/2021 17:00	-	0.0	23.5	70.2	1.5	229.2
	26/03/2021 18:00	-	0.0	22.8	74.9	0.9	193.9

27	26/03/2021 20:00	-	0.0	22.2	79.9	0.8	169.4
	26/03/2021 21:00	-	0.0	21.9	81.5	0.8	178.8
	26/03/2021 22:00	-	0.0	22.2	80.5	0.6	209.1
	26/03/2021 23:00	-	0.0	22.1	80.2	0.7	140.3
	27/03/2021 00:00	-	0.0	22.7	76.8	0.8	138.9
	27/03/2021 01:00	-	0.0	23.0	75.1	0.8	135.7
	27/03/2021 02:00	-	0.0	23.2	73.7	0.9	144.8
	27/03/2021 03:00	-	0.0	23.1	75.3	1.1	138.7
	27/03/2021 04:00	-	0.0	23.0	76.3	1.1	151.3
	27/03/2021 05:00	-	0.0	23.1	75.2	1.6	160.7
	27/03/2021 06:00	-	0.0	23.0	76.2	1.6	147.9
	27/03/2021 07:00	-	0.0	23.2	74.9	1.8	142.5
	27/03/2021 08:00	-	0.0	24.5	69.6	1.7	153.3
	27/03/2021 09:00	-	0.0	26.1	62.3	1.4	142.5
	27/03/2021 10:00	-	0.0	28.8	50.9	1.5	163.1
	27/03/2021 11:00	-	0.0	30.4	45.9	1.7	217.2
	27/03/2021 12:00	-	0.0	26.6	60.4	3.7	266.9
	27/03/2021 13:00	-	0.0	27.8	56.6	3.2	261.5
	27/03/2021 14:00	-	0.0	28.3	53.4	3.0	257.4
	27/03/2021 15:00	-	0.0	27.8	55.0	2.7	258.1
	27/03/2021 16:00	-	0.0	26.0	63.0	2.7	264.5
	27/03/2021 17:00	-	0.0	25.0	66.0	1.8	261.4
	27/03/2021 18:00	-	0.0	24.4	65.2	1.4	219.6
	27/03/2021 19:00	-	0.0	23.7	68.5	0.7	215.7
27/03/2021 20:00	-	0.0	23.6	69.1	0.7	151.5	
27/03/2021 21:00	-	0.0	23.2	70.3	0.8	163.4	
27/03/2021 22:00	-	0.0	22.6	73.1	0.8	155.3	
27/03/2021 23:00	-	0.0	22.3	75.5	0.7	182.1	
28	28/03/2021 00:00	-	0.0	22.6	74.4	0.7	197.8
	28/03/2021 01:00	-	0.0	22.7	73.2	0.7	149.9
	28/03/2021 02:00	-	0.0	23.0	72.4	0.9	150.6
	28/03/2021 03:00	-	0.0	23.9	68.9	1.6	147.0
	28/03/2021 04:00	-	0.0	23.9	68.4	1.5	143.6
	28/03/2021 05:00	-	0.0	24.1	65.8	1.6	151.6
	28/03/2021 06:00	-	0.0	24.2	65.0	1.5	147.3
	28/03/2021 07:00	-	0.0	24.7	62.9	1.7	147.0
	28/03/2021 08:00	-	-	-	-	-	-
	28/03/2021 09:00	-	-	-	-	-	-
	28/03/2021 10:00	-	-	-	-	-	-
	28/03/2021 11:00	-	-	-	-	-	-
	28/03/2021 12:00	-	-	-	-	-	-
	28/03/2021 13:00	-	-	-	-	-	-
	28/03/2021 14:00	-	-	-	-	-	-
	28/03/2021 15:00	-	-	-	-	-	-
	28/03/2021 16:00	-	0.0	24.3	67.9	2.6	264.4
	28/03/2021 17:00	-	0.0	24.8	63.9	1.5	217.3
	28/03/2021 18:00	-	0.0	23.7	69.0	1.0	198.3
	28/03/2021 19:00	-	0.0	22.9	73.1	0.8	178.7
	28/03/2021 20:00	-	0.0	22.7	74.6	0.9	162.7
	28/03/2021 21:00	-	0.0	22.6	75.2	0.8	153.9
	28/03/2021 22:00	-	0.0	23.1	72.6	0.7	144.4
	28/03/2021 23:00	-	0.0	24.3	67.6	0.6	228.5
29	29/03/2021 00:00	-	0.0	24.1	68.1	0.6	181.2
	29/03/2021 01:00	-	0.0	23.7	69.0	0.7	183.5
	29/03/2021 02:00	-	0.0	23.6	69.2	1.0	139.3
	29/03/2021 03:00	-	0.0	24.5	64.8	1.4	147.2
	29/03/2021 04:00	-	0.0	24.8	59.1	1.2	148.6
	29/03/2021 05:00	-	0.0	24.3	61.5	1.6	157.5
	29/03/2021 06:00	-	0.0	23.9	66.4	1.4	156.6
	29/03/2021 07:00	-	0.0	24.0	67.8	1.1	132.5
	29/03/2021 08:00	-	0.0	25.8	61.4	1.1	138.4
	29/03/2021 09:00	-	0.0	27.9	51.1	1.3	159.5
	29/03/2021 10:00	-	0.0	29.9	45.4	1.3	158.4
	29/03/2021 11:00	-	0.0	30.5	46.9	2.0	241.8
	29/03/2021 12:00	-	0.0	29.6	51.5	2.6	263.0
	29/03/2021 13:00	-	0.0	30.4	46.0	2.5	236.6
	29/03/2021 14:00	-	0.0	29.8	46.8	2.5	241.4
	29/03/2021 15:00	-	0.0	27.6	55.1	2.4	244.7
	29/03/2021 16:00	-	0.0	25.8	59.4	2.0	250.2
	29/03/2021 17:00	-	0.0	25.9	56.4	1.7	216.7
	29/03/2021 18:00	-	0.0	24.5	61.8	0.8	142.8
	29/03/2021 19:00	-	0.0	23.6	64.9	0.8	163.5
	29/03/2021 20:00	-	0.0	23.6	67.1	0.7	196.5
	29/03/2021 21:00	-	0.0	23.2	69.5	0.7	160.6
	29/03/2021 22:00	-	0.0	23.8	66.8	0.7	205.4
	29/03/2021 23:00	-	0.0	24.2	65.2	0.4	194.0
30	30/03/2021 00:00	-	0.0	24.4	64.8	0.5	182.4
	30/03/2021 01:00	-	0.0	24.5	63.3	0.8	147.4
	30/03/2021 02:00	-	0.0	25.0	58.1	1.2	147.0
	30/03/2021 03:00	-	0.0	24.8	59.1	0.9	159.9
	30/03/2021 04:00	-	0.0	24.3	60.7	0.8	149.4
	30/03/2021 05:00	-	0.0	24.2	59.2	0.9	158.4
	30/03/2021 06:00	-	0.0	23.9	60.3	1.0	157.1
	30/03/2021 07:00	-	0.0	24.3	60.5	1.2	144.0
	30/03/2021 08:00	-	0.0	25.2	59.7	1.3	145.0
	30/03/2021 09:00	-	0.0	27.2	54.0	1.1	186.9
	30/03/2021 10:00	-	0.0	26.2	61.6	2.8	269.8
	30/03/2021 11:00	-	0.0	25.0	67.3	3.5	267.2
	30/03/2021 12:00	-	0.0	24.8	68.3	3.4	260.1
	30/03/2021 13:00	-	0.0	26.0	63.3	2.8	265.5
	30/03/2021 14:00	-	0.0	26.2	60.0	2.4	258.5
	30/03/2021 15:00	-	0.0	26.0	62.2	2.1	253.4
	30/03/2021 16:00	-	0.0	24.6	67.9	2.4	260.6
	30/03/2021 17:00	-	0.0	25.1	62.8	2.1	239.2
	30/03/2021 18:00	-	0.0	24.2	65.9	1.1	197.9
	30/03/2021 19:00	-	0.0	23.0	72.7	0.7	160.7
	30/03/2021 20:00	-	0.0	22.6	75.3	0.9	185.0
	30/03/2021 21:00	-	0.0	22.5	74.7	1.2	152.5
	30/03/2021 22:00	-	0.0	22.3	76.1	0.7	156.4
	30/03/2021 23:00	-	0.0	22.6	75.0	0.6	152.9
31	31/03/2021 00:00	-	0.0	23.0	72.1	0.4	158.1
	31/03/2021 01:00	-	0.0	23.7	69.1	0.8	144.4
	31/03/2021 02:00	-	0.0	24.4	66.1	1.0	149.5
	31/03/2021 03:00	-	0.0	24.3	66.3	1.0	150.5
	31/03/2021 04:00	-	0.0	24.0	66.0	0.9	140.9
	31/03/2021 05:00	-	0.0	23.5	68.9	1.2	144.0
	31/03/2021 06:00	-	0.0	22.8	73.8	0.9	164.7
	31/03/2021 07:00	-	0.0	22.7	76.5	1.2	153.4
	31/03/2021 08:00	-	0.0	24.4	69.8	1.4	150.1
	31/03/2021 09:00	-	0.0	27.5	58.2	1.0	143.0
	31/03/2021 10:00	-	0.0	30.1	49.2	1.1	196.6
	31/03/2021 11:00	-	0.0	28.5	56.5	3.1	268.7
	31/03/2021 12:00	-	0.0	29.4	53.9	2.6	259.4
	31/03/2021 13:00	-	0.0	28.8	55.7	3.1	270.1
	31/03/2021 14:00	-	0.0	27.7	59.0	3.2	270.3
	31/03/2021 15:00	-	0.0	27.3	60.1	2.9	268.1
	31/03/2021 16:00	-	0.0	25.9	63.6	1.9	255.1
	31/03/2021 17:00	-	0.0	25.9	59.5	1.0	184.4
	31/03/2021 18:00	-	0.0	24.7	62.2	0.8	168.9
	31/03/2021 19:00	-	0.0	23.6	67.4	1.2	194.6
	31/03/2021 20:00	-	0.0	22.7	72.8	0.9	171.4
	31/03/2021 21:00	-	0.0	22.6	73.3	0.8	130.1
	31/03/2021 22:00	-	0.0	22.7	73.8	0.6	196.8
	31/03/2021 23:00	-	0.0	23.2	71.7	0.6	166.9

MÍNIMO	-	0.0	21.5	45.4	0.2	-
MÁXIMO	-	6.0	31.6	95.2	4.2	-
PROMEDIO	-	0.0	25.8	72.7	1.4	-



















Organismo  
de Evaluación  
y Fiscalización  
Ambiental

TÍTULO DEL ESTUDIO:

Evaluación ambiental de seguimiento de la

ESTACIÓN DE MONITOREO:

CA-TA-01

	1-Mar	2-Mar	3-Mar	4-Mar	5-Mar	6-Mar	7-Mar	8-Mar	9-Mar	10-Mar	11-Mar
00:00	0.5	0.5	0.6	0.3	S.D.	0.8	0.6	0.6	0.6	0.4	0.4
01:00	0.6	0.3	0.5	0.5	0.6	0.3	1	1	0.5	0.6	0.6
02:00	0.4	0.4	0.8	0.6	1.1	0.4	0.9	0.8	0.8	0.6	0.6
03:00	0.5	0.5	0.8	0.9	1	0.5	0.7	0.7	1.3	0.6	0.6
04:00	0.7	1.1	0.6	1.1	S.D.	0.2	0.4	0.4	0.8	0.7	0.7
05:00	0.4	1.4	0.5	1.1	0.6	0.3	0.5	0.2	1	0.4	0.4
06:00	0.4	1.7	0.9	1.2	0.3	0.3	0.8	0.2	0.6	0.5	0.5
07:00	0.9	1.6	0.8	1	0.2	0.4	1.5	0.3	1.3	0.6	0.6
08:00	0.5	1	1	0.7	0.5	0.8	1.4	0.4	1.1	0.9	0.9
09:00	1.3	1.1	1	1.2	1.4	1.4	1.1	1.4	1.4	0.8	0.8
10:00	1.4	1.7	1.3	1.7	2	2.2	1.5	2.3	2.2	1	1
11:00	2	S.D.	2	1.9	2.1	3	2	2.1	2.1	2.7	2.7
12:00	2.1	S.D.	2.2	2.5	2.2	3	3.3	2.2	2.3	3.3	3.3
13:00	2.6	2.6	2.2	2.6	2.1	3.2	3.1	2	2.2	2.9	2.9
14:00	2.2	2.4	2.3	2.6	2.2	3.6	3.4	2.1	1.8	2.1	2.1
15:00	2.3	3	2.8	2.5	2	3.1	2.6	2	1.8	1.9	1.9
16:00	1.7	2.8	1.9	2.2	1.8	2.6	2	2	1.6	2	2
17:00	1	1.7	2.1	2.6	1.3	1.7	1.7	2.2	1.9	2.1	2.1
18:00	1.1	1.4	1.5	1.9	1.1	1.8	1.4	1.9	2	1.5	1.5
19:00	0.8	1.1	0.8	1.6	1	1.2	1.2	1.6	1.3	1.3	1.3
20:00	1.1	1.2	0.7	1	1	0.8	1.4	1.5	0.3	1.3	1.3
21:00	0.5	0.8	0.8	0.8	0.7	0.6	1	1.4	0.3	1	1
22:00	0.5	0.9	0.9	0.8	0.5	0.6	0.6	1	0.4	0.9	0.9
23:00	0.4	0.7	0.7	0.9	0.6	0.5	0.6	0.8	S.D.	1	S.

	1-Mar	2-Mar	3-Mar	4-Mar	5-Mar	6-Mar	7-Mar	8-Mar	9-Mar	10-Mar	11-Mar
00:00	SSE	SSE	NW	SSE		SW	S	SSE	S	SSE	
01:00	SSE	N	N	SSW	SSE	SSW	SW	SSE	SE	SSE	
02:00	SSE	ESE	SSE	S	SSE	SW	SSW	SSE	ESE	SSW	
03:00	SSE	ENE	SSE	SE	SSE	SW	SSW	SE	E	S	
04:00	SSW	E	SE	ESE		SSW	SSW	SSE	ESE	SW	
05:00	SSE	ESE	SE	E	ESE	W	SSW	SW	E	SSW	
06:00	SSE	ESE	E	E	ESE	N	SSE	SSE	NE	SSW	
07:00	SSE	E	ESE	E	W	SSE	SSE	SSE	NNE	S	
08:00	SE	ESE	ESE	E	WNW	S	SE	SSE	NNE	SSE	
09:00	N	NNE	WNW	NW	WNW	SSW	S	WSW	N	SE	
10:00	NNW	WNW	NW	W	W	WSW	SSW	W	N	S	
11:00	WNW		NW	W	W	WSW	WSW	WNW	N	W	
12:00	WNW		NW	W	WNW	WSW	WSW	WNW	N	W	
13:00	W	NW	NW	WNW	WNW	W	WSW	NW	N	WSW	
14:00	W	NW	WNW	W	WNW	W	WSW	NNW	N	WSW	
15:00	W	NW	WNW	W	NW	WSW	W	NNW	NNW	WSW	
16:00	W	NW	WSW	W	NW	WSW	W	NNW	NW	WSW	
17:00	NW	NNW	W	WSW	NNW	WSW	W	NNW	NW	WSW	
18:00	W	NNW	WNW	WSW	N	W	W	NW	NW	WSW	
19:00	WNW	N	NW	SW	WNW	SW	WSW	NW	NW	WSW	
20:00	W	N	WNW	SW	WSW	SSW	WSW	W	NNE	SW	
21:00	SW	NNW	W	SSE	SW	S	SW	WSW	ESE	SW	
22:00	WSW	N	SW	SSE	S	SSE	SSE	SW	SSE	SW	
23:00	SSE	NW	SSW	SSE	S	S	SSE	SSW		SSW	

Tabla 3.3. Velocidad y dirección del viento durante el mes

a calidad del aire en el área de influencia de la Refinería Talara, ubicada en el distrito de Pariñas, provincia de Tala Piura, en marzo de 2021

CÓDIGO DE ACCIÓN No aplica

Velocidad del viento

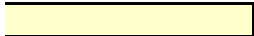
1-Mar	12-Mar	13-Mar	14-Mar	15-Mar	16-Mar	17-Mar	18-Mar	19-Mar	20-Mar	21-Mar	22-Mar	23-Mar	24-Mar	25-Mar	26-Mar	27-Mar	28-Mar
0.8	1.3	0.7	0.5	0.7	0.7	0.9	0.6	1.1	0.7	0.4	0.8	0.6	1.3	1	1.4	0.8	0.7
0.7	1.2	0.6	0.9	0.5	0.9	0.5	1.1	1.4	1.3	0.4	0.5	0.7	1.2	1.6	1.8	0.8	0.7
0.4	1.3	0.7	0.9	0.5	1	0.7	1.3	1.1	1.3	0.9	0.4	0.5	1.3	1.4	1.2	0.9	0.9
0.7	0.7	1.3	0.8	0.7	0.9	0.8	1.3	1.1	1.3	1	0.2	0.4	1.5	1.1	1.5	1.1	1.6
0.5	0.4	1.2	0.7	0.9	0.9	0.9	1.3	0.9	1	1.1	0.2	0.4	1.4	0.9	1	1.1	1.5
0.4	0.5	1.2	1.2	0.9	0.7	0.9	1.1	1	1.4	0.9	0.3	0.4	1.2	1.5	1.5	1.6	1.6
0.3	0.8	1.2	1.2	0.8	0.9	0.5	1	1.5	1.6	0.9	0.8	0.8	1.2	1.4	1.1	1.6	1.5
0.4	0.9	1.5	1.2	0.7	0.7	0.5	0.7	1.8	1.7	1	0.7	0.9	1.2	1.4	0.8	1.8	1.7
0.5	1	1.6	1.3	0.6	0.5	1	0.8	1.8	1.7	0.9	0.6	0.9	1	1.7	1.2	1.7	S.D.
0.7	0.8	1.3	1.2	0.8	1	1.3	0.8	1.9	1.7	1.1	1	0.9	1.1	1.6	1.3	1.4	S.D.
1.8	1.9	1.3	1.5	2.2	1.5	1.1	2.4	1.6	1.6	1.2	1.4	1.6	2	1.5	1.8	1.5	S.D.
2.8	3.2	1.5	3.5	2.7	1.8	1.7	3.5	1.4	2.1	2	3.4	3.7	3.6	1.9	1.4	1.7	S.D.
2.5	3.2	3.4	3.5	3.2	2	2.9	3.1	2.9	2.5	3	2.5	3.6	2.9	2.7	2.4	3.7	S.D.
3	2.8	4.2	2.9	2.6	1.8	2.6	2.9	3.5	2.7	2.6	2.7	3.4	3.5	2.6	3.1	3.2	S.D.
2.8	2.9	3.5	2.9	3	2.4	3.1	2.7	2.8	3	2.5	2.5	3.4	3	3	2.7	3	S.D.
2.6	2.9	3.4	2.6	3.3	3	2.7	2.5	2.8	3.2	2.6	2.1	2.5	2.3	2.9	2.6	2.7	S.D.
2.5	2.2	2.8	1.9	2.7	2.1	3.1	2.5	2.3	2.5	2.2	2.6	S.D.	2.4	2.4	3.2	2.7	2.6
2	2.1	1.9	1.6	2.2	2.5	1.9	2.5	2	1.7	2	2.6	1.7	1.7	1.9	2.5	1.8	1.5
1.9	2	1.8	1.4	1.4	1.9	1.9	1.6	1.4	1	1.6	1.3	1.4	1.1	1.7	1.5	1.4	1
1.5	1.5	1.6	1.6	1.5	1.9	1.5	1	0.9	S.D.	0.9	0.9	0.8	0.9	1.5	0.9	0.7	0.8
1.1	1.1	1.6	1.5	1	1.4	0.8	0.7	0.8	0.5	0.8	0.9	0.8	0.7	1	0.8	0.7	0.9
0.8	1.1	0.9	1	0.9	0.7	0.7	0.7	0.7	0.5	0.8	0.7	0.6	0.7	0.9	0.8	0.8	0.8
0.9	S.D.	0.5	0.9	0.7	0.8	0.8	0.8	0.4	0.6	0.7	0.7	0.8	0.6	0.8	0.6	0.8	0.7
S.D.	0.9	0.5	0.9	S.D.	0.7	0.5	0.7	0.4	0.6	0.6	0.4	1.1	0.5	1	0.7	0.7	0.6

Dirección del viento

11-Mar	12-Mar	13-Mar	14-Mar	15-Mar	16-Mar	17-Mar	18-Mar	19-Mar	20-Mar	21-Mar	22-Mar	23-Mar	24-Mar	25-Mar	26-Mar	27-Mar	28-Mar
SSW	SSE	SSW	SSE	SSW	SE	SSW	SSE	SSE	SE	SE	SSE	WNNW	SE	SSE	SSE	SE	SSW
SW	SE	SW	SSE	SSW	SSE	S	SSE	SSE	SE	SSE	SSE	NE	SE	SSE	SSE	SE	SSE
S	SSE	S	SSE	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	NNE	SSE	SSE	SSE	SSE	SSE
SE	S	SSE	SSE	SE	SSE	SSE	SE	SSE	SSE	SSE	SSE	S	SSE	SSE	SSE	SE	SSE
SSE	SSW	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SE	SSE	NE	SE	SSE	SSE	SSE	SSE	SSE
SSW	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	NE	S	SSE	SE	SSE	SSE	SSE
SSE	SSE	SSE	SSE	SSE	SE	S	SSE	SSE	SSE	SE	SE	S	SSE	SE	SSE	SSE	SSE
SSE	SSE	SSE	SSE	SSE	SE	SSE	SSE	SSE	SE	SE	SSE	SSE	SE	SE	SSW	SE	SSE
SE	SSE	SE	SE	SSE	ESE	SSE	SSE	SE	SE	SSE	SW	SE	SSE	SE	SE	SE	SSE
S	S	SE	S	N	N	S	SSW	SSE	SE	SSE	S	SSE	SSE	SSE	S	SE	SSE
W	W	S	WSW	W	NW	S	W	SSE	SSE	S	SW	WSW	WSW	SSE	SW	SSE	SSE
W	W	SSW	W	W	WNNW	SSW	W	SSE	SSW	WSW	W	W	W	WSW	WSW	SW	WSW
W	WSW	WSW	W	W	WNNW	WSW	W	WSW	WSW	WSW	WSW	W	WSW	WSW	WSW	W	WSW
W	WSW	WSW	W	W	NNW	WSW	W	WSW	WSW	WSW	WSW	W	WSW	WSW	WSW	W	WSW
WNNW	W	WSW	WSW	WSW	WNNW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW
WNNW	W	WSW	W	WSW	W	WSW	W	WSW	W	WSW	WSW	WSW	WSW	WSW	SW	W	WSW
WNNW	W	WSW	WSW	WSW	SW	WSW	WSW	WSW	W	WSW	WSW	WSW	WSW	WSW	SW	W	WSW
W	W	SW	WSW	SW	SSW	SW	WSW	SW	WSW	SW	SW	SW	SW	SSW	W	W	SW
W	WSW	SW	W	WSW	SW	SSW	WSW	SW	SSW	SW	SW	SSW	SW	SSW	SW	SW	SSW
WSW	SW	SW	WSW	SW	SSW	SSW	SW	SE	S	S	SSW	S	SW	SSW	SSW	SW	S
SW	SW	SW	WSW	SW	SW	S	S	SE	S	S	SSE	SSW	S	SSW	S	SSE	SSE
SSW	SW	SSW	WSW	SSE	SSW	SE	S	S	SSW	SSE	SE	SSW	SSW	SSW	S	SSE	SSE
SSE		SW	SW	S	S	SSE	SSE	S	SSE	SSE	SSW	SSE	S	SSW	SSW	SSE	SSE
	SW	SSE	SSW		SSW	SW	SSE	SSE	S	SSE	S	SSE	SW	SSE	SE	S	SW



ra, departamento de



	29-Mar	30-Mar	31-Mar
	0.6	0.5	0.4
	0.7	0.8	0.8
	1	1.2	1
	1.4	0.9	1
	1.2	0.8	0.9
	1.6	0.9	1.2
	1.4	1	0.9
	1.1	1.2	1.2
	1.1	1.3	1.4
	1.3	1.1	1
	1.3	2.8	1.1
	2	3.5	3.1
	2.6	3.4	2.6
	2.5	2.8	3.1
	2.5	2.4	3.2
	2.4	2.1	2.9
	2	2.4	1.9
	1.7	2.1	1
	0.8	1.1	0.8
	0.8	0.7	1.2
	0.7	0.9	0.9
	0.7	1.2	0.8
	0.7	0.7	0.6
	0.4	0.6	0.6

Velocidad de viento



S.D.  
S.D. Sin datos

8.6  
31.4

	29-Mar	30-Mar	31-Mar
	S	S	SSE
	S	SSE	SSE
	SE	SSE	SSE
	SSE	SSE	SSE
	SSE	SSE	SE
	SSE	SSE	SSE
	SSE	SSE	SSE
	SE	SSE	SSE
	SE	SSE	SSE
	SSE	S	SE
	SSE	W	SSW
	WSW	W	W
	W	W	W
	WSW	W	W
	WSW	WSW	W
	WSW	WSW	W
	WSW	W	WSW
	SW	WSW	S
	SE	SSW	S
	SSE	SSE	SSW
	SSW	S	S
	SSE	SSE	SE
	SSW	SSE	SSW
	SSW	SSE	SSE

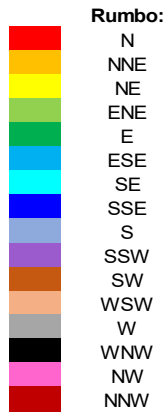


Tabla 3.1. Concentraciones horarias de SO<sub>2</sub>

TÍTULO DEL ESTUDIO:		Evaluación ambiental de seguimiento de la calidad del aire en el área de influencia de la Refinería Talara, ubicada en el distrito de Paríñas, provincia de Talara, departamento de Piura, en abril de 2021																													
ESTACIÓN DE MONITOREO:		CA-TA-01		CÓDIGO DE ACCIÓN: 0002-4-2021-414																											
DATOS DEL EQUIPO																															
EQUIPO:		Analizador automático de gases																													
MODELO:		450i		MARCA: Thermo Scientific																											
				SERIE: 1009241444																											
Hora/Día	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
00:00	1.4	1.1	1.1	1.2	1.3	1.0	1.1	1.0	1.0	1.1	1.5	1.2	1.0	1.6	1.1	1.0	6.1	6.3	13.1	6.8	5.4	5.3	5.2	5.5	5.8	6.0	6.0	6.1	5.9	5.6	
01:00	1.2	1.2	1.1	1.1	1.0	1.1	1.2	0.9	1.1	1.0	1.5	1.4	1.0	1.7	0.8	0.6	5.9	6.1	10.3	6.8	5.3	5.7	5.3	5.5	5.7	5.7	6.1	6.0	5.9	5.7	
02:00	1.1	1.0	1.0	1.3	0.9	0.9	1.5	1.0	0.7	1.0	1.3	1.3	0.9	1.2	1.0	0.6	5.0	5.5	7.8	6.6	5.2	5.8	5.3	5.6	5.5	5.6	5.5	5.5	5.6		
03:00	0.8	1.0	0.8	1.3	1.1	1.0	0.9	2.0	0.8	1.0	1.1	1.5	0.9	1.2	0.9	ID	6.0	5.6	7.0	6.1	5.3	5.8	5.2	5.7	5.6	5.2	6.3	ID	5.7	5.6	
04:00	0.8	0.9	1.0	1.1	1.2	0.9	1.0	1.8	0.8	1.1	0.9	1.4	0.7	1.2	0.8	1.1	5.9	5.2	6.6	6.1	5.6	5.8	5.4	5.2	5.8	5.5	6.6	5.7	5.6		
05:00	1.0	0.9	2.0	0.8	1.1	1.0	1.2	1.5	0.8	1.5	1.2	1.0	0.8	1.3	0.8	0.8	5.6	5.5	6.6	6.3	5.5	5.6	5.5	5.5	5.8	5.5	6.2	SD	5.4	5.8	
06:00	1.0	0.9	1.9	1.2	1.1	1.1	1.6	1.1	0.8	1.8	1.4	1.1	1.3	1.4	0.9	0.7	5.7	6.1	6.6	6.5	5.6	6.0	5.6	5.4	5.8	5.8	6.4	SD	5.2	6.0	
07:00	0.8	1.0	1.9	1.1	1.2	1.4	1.3	1.2	1.1	2.3	1.4	0.8	1.4	1.6	1.1	0.9	6.2	5.8	6.6	6.9	5.7	5.7	5.7	5.8	5.6	6.4	6.5	SD	5.3	5.6	
08:00	0.7	0.9	2.0	1.3	1.0	2.2	1.3	1.1	0.7	1.8	1.1	0.7	1.2	1.4	0.8	1.1	6.0	5.8	6.7	6.6	5.6	5.6	5.2	5.8	5.7	6.0	6.2	SD	5.0	5.9	
09:00	0.9	0.9	2.1	1.0	0.9	3.3	1.2	1.0	0.8	1.1	1.1	0.9	0.9	0.8	0.9	1.2	6.0	10.6	6.5	6.4	5.5	5.4	5.1	5.8	5.7	6.0	6.2	SD	5.0	5.9	
10:00	0.8	0.8	3.4	4.3	1.0	8.8	1.1	1.1	0.9	10.8	1.0	1.4	1.0	1.0	0.8	1.0	6.7	39.9	6.3	6.6	5.4	5.5	5.9	5.7	5.6	6.1	6.0	SD	5.8	5.7	
11:00	3.4	1.0	4.8	7.6	1.0	11.1	1.2	1.6	0.9	25.2	1.1	20.4	8.8	27.9	0.7	10.0	22.7	42.6	14.3	17.7	5.1	5.4	5.7	5.4	5.7	8.4	6.2	SD	5.1	9.0	
12:00	16.6	1.3	8.2	9.0	2.7	8.3	1.7	10.1	74.0	25.9	30.2	23.7	5.8	79.1	1.0	46.2	79.1	31.1	108.1	37.5	5.8	5.5	6.1	6.9	7.3	6.8	7.2	SD	7.4	12.5	
13:00	23.3	2.8	6.6	15.4	3.2	14.7	2.2	22.4	57.4	43.8	38.7	12.8	12.8	70.0	4.0	75.2	55.2	34.4	144.0	28.7	5.8	5.8	6.9	7.2	22.7	8.3	7.1	SD	9.3	7.9	
14:00	10.3	4.4	6.4	12.7	3.8	11.0	7.3	9.2	ID	61.9	12.0	10.1	28.9	55.7	4.4	29.5	59.8	61.5	101.5	20.0	6.2	6.9	16.2	6.6	57.5	40.1	7.7	SD	23.8	7.2	
15:00	5.5	ID	6.8	7.1	3.9	6.4	6.7	5.1	ID	64.3	15.0	9.2	70.6	28.6	7.8	42.7	54.2	50.7	42.6	19.1	7.6	8.4	9.3	6.3	57.1	44.3	7.4	SD	25.8	8.0	
16:00	5.2	5.1	6.5	6.0	3.4	8.3	4.4	3.4	13.0	59.3	23.3	4.8	55.6	10.1	19.3	VF	24.3	33.1	24.4	24.6	7.7	7.3	7.6	6.6	50.9	19.6	7.0	SD	25.5	7.9	
17:00	3.6	4.2	7.4	4.1	2.1	6.2	3.0	2.4	4.4	14.3	6.5	2.9	37.2	5.4	5.9	VF	13.8	19.2	22.7	14.6	6.2	6.2	6.8	6.2	24.4	11.1	6.6	SD	13.9	6.3	
18:00	2.6	2.3	4.6	2.3	2.0	5.0	2.2	2.0	3.0	6.7	3.3	2.1	15.1	3.6	2.9	VF	10.2	23.3	14.0	9.8	5.8	6.0	6.3	6.3	13.1	8.4	6.3	SD	8.8	5.9	
19:00	2.2	1.7	2.8	1.8	1.7	4.1	1.6	1.9	2.3	4.1	2.2	1.9	6.2	2.8	1.8	8.3	8.0	12.0	10.7	8.3	5.5	5.6	5.7	5.9	9.2	7.3	6.1	ID	7.1	5.8	
20:00	1.9	1.1	1.9	1.5	1.5	2.7	1.6	1.4	1.7	3.0	1.8	1.7	3.3	2.2	1.3	7.3	7.2	8.9	9.2	7.3	5.6	5.5	5.5	6.0	7.4	6.6	6.0	8.9	6.3	5.8	
21:00	1.4	1.1	1.6	1.3	1.2	2.1	1.3	1.2	1.6	2.7	1.4	1.3	2.4	1.7	1.0	6.9	6.8	8.0	8.4	6.9	5.5	5.3	6.0	6.0	6.5	6.4	5.5	6.0	5.9	5.9	
22:00	1.4	1.0	1.2	0.9	1.4	1.4	1.2	1.2	1.3	2.1	1.4	1.1	2.0	1.5	0.7	6.7	6.7	7.3	7.9	6.5	5.3	5.2	ID	5.8	6.3	6.0	5.7	5.8	5.8		
23:00	1.2	0.9	1.3	1.3	1.2	1.4	1.2	1.0	1.3	1.7	1.1	0.9	1.8	1.2	1.0	6.2	6.4	7.0	7.4	5.7	5.4	5.5	5.5	5.8	5.8	5.8	5.8	5.7	5.6	5.6	
Promedio de SO <sub>2</sub> en 24 h	3.7	1.6	3.3	3.6	1.7	4.4	2.0	3.2	7.7	14.1	6.3	4.5	10.8	13.2	2.6	12.4	17.5	18.4	25.0	11.6	5.7	5.9	6.4	6.0	14.0	10.1	6.4	ID	8.8	6.5	
ECA aire de SO <sub>2</sub>																															

Observación:

SD: Sin dato

VF: Verificación de equipo analizador.

ID: Insuficiencia de datos para calcular promedio (menor del 75%), dato no calculado por no cumplir con la mínima suficiencia de datos (45 minutos o 18 horas)

Nota: Se realizó el cambio y la verificación del equipo analizador Thermo Scientific 450i del 25 de febrero desde las 15:55 horas hasta el 26 hasta las 15:10 horas

3.7 1.6 3.3 3.6 1.7 4.4 2.0 3.2 7.7 14.1 6.3 4.5 10.8 13.2 2.6 12.4 17.5 18.4 25.0 11.6 5.7 5.9 6.4 6.0 14.0 10.1 6.4 6.3 8.8 6.5



**Tabla 3.2. Datos Meteorológicos**

**TÍTULO DEL ESTUDIO:** Evaluación ambiental de seguimiento de la calidad del aire en el área de influencia de la Refinería Talara, ubicada en el distrito de Paríñas, provincia de Talara, departamento de Piura, en abril de 2021

**ESTACIÓN DE MONITOREO:** CA-TA-01      **CÓDIGO DE ACCIÓN:** 0002-4-2021-414

**DATOS DEL EQUIPO**

**EQUIPO:** Estación meteorológica      **MARCA:** Campbell Scientific  
**MODELO:** CR1000      **SERIE:** 30824

FECHA Y HORA	Presión atmosférica (mmHg)	Precipitación (mm)	Temperatura ambiental (°C)	Humedad relativa (%)	Velocidad de Viento (m/s)	Dirección de Viento (°)
1/04/2021 00:00	-	0.0	23.0	72.2	0.6	163.8
1/04/2021 01:00	-	0.0	23.1	72.4	0.5	148.0
1/04/2021 02:00	-	0.0	24.2	68.4	1.5	149.0
1/04/2021 03:00	-	0.0	24.1	67.0	1.6	148.1
1/04/2021 04:00	-	0.0	24.3	62.9	1.5	142.1
1/04/2021 05:00	-	0.0	24.2	62.7	1.3	148.6
1/04/2021 06:00	-	0.0	23.7	65.3	1.3	156.3
1/04/2021 07:00	-	0.0	24.4	62.7	1.5	139.9
1/04/2021 08:00	-	0.0	26.4	55.2	1.8	150.4
1/04/2021 09:00	-	0.0	28.6	49.4	1.4	149.1
1/04/2021 10:00	-	0.0	30.2	46.4	1.4	198.1
1/04/2021 11:00	-	0.0	30.1	49.2	2.2	247.0
1/04/2021 12:00	-	0.0	27.6	59.8	2.9	264.6
1/04/2021 13:00	-	0.0	28.2	57.1	3.3	266.8
1/04/2021 14:00	-	0.0	27.2	58.9	3.0	246.3
1/04/2021 15:00	-	0.0	26.2	60.3	2.6	233.2
1/04/2021 16:00	-	0.0	26.2	60.8	1.8	247.3
1/04/2021 17:00	-	0.0	26.2	58.5	1.5	221.9
1/04/2021 18:00	-	0.0	24.4	63.7	1.2	181.7
1/04/2021 19:00	-	0.0	23.7	66.9	0.7	162.7
1/04/2021 20:00	-	0.0	23.7	67.1	0.6	144.4
1/04/2021 21:00	-	0.0	23.6	67.9	0.5	172.8
1/04/2021 22:00	-	0.0	23.5	68.5	0.4	168.7
1/04/2021 23:00	-	0.0	24.1	66.1	0.6	206.0
2/04/2021 00:00	-	0.0	24.5	64.8	0.6	160.3
2/04/2021 01:00	-	0.0	24.6	64.5	0.6	192.7
2/04/2021 02:00	-	0.0	25.4	60.4	0.7	158.7
2/04/2021 03:00	-	0.0	24.9	62.3	0.8	215.1
2/04/2021 04:00	-	0.0	23.7	67.7	0.8	187.2
2/04/2021 05:00	-	0.0	23.2	69.6	1.1	155.5
2/04/2021 06:00	-	0.0	23.3	69.5	1.3	143.3
2/04/2021 07:00	-	0.0	24.0	66.6	1.3	154.8
2/04/2021 08:00	-	0.0	25.6	60.5	1.0	131.2
2/04/2021 09:00	-	0.0	27.6	54.2	1.4	158.5
2/04/2021 10:00	-	0.0	29.4	50.0	1.2	200.8
2/04/2021 11:00	-	0.0	30.1	48.4	1.5	198.7
2/04/2021 12:00	-	0.0	29.8	49.4	2.1	225.9
2/04/2021 13:00	-	0.0	30.6	47.9	2.1	239.9
2/04/2021 14:00	-	0.0	30.4	48.7	2.4	246.9
2/04/2021 15:00	-	0.0	28.9	59.6	2.0	245.6
2/04/2021 16:00	-	0.0	26.2	60.4	1.7	223.1
2/04/2021 17:00	-	0.0	24.9	64.2	1.0	177.3
2/04/2021 18:00	-	0.0	24.1	67.5	0.9	142.5
2/04/2021 19:00	-	0.0	24.2	67.2	1.0	175.2
2/04/2021 20:00	-	0.0	23.8	68.1	0.7	188.0
2/04/2021 21:00	-	0.0	24.5	65.2	0.6	201.9
2/04/2021 22:00	-	0.0	24.8	64.0	0.5	170.5
2/04/2021 23:00	-	0.0	24.7	65.0	0.6	219.3
3/04/2021 00:00	-	0.0	25.0	63.6	0.7	157.1
3/04/2021 01:00	-	0.0	25.1	63.9	0.8	150.6
3/04/2021 02:00	-	0.0	25.1	65.2	0.5	159.2
3/04/2021 03:00	-	0.0	22.9	78.9	0.6	42.4
3/04/2021 04:00	-	0.0	21.6	85.9	0.2	356.8
3/04/2021 05:00	-	0.0	22.7	79.0	0.4	136.1
3/04/2021 06:00	-	0.0	24.1	70.2	0.4	148.7
3/04/2021 07:00	-	0.0	24.6	68.8	0.9	340.8
3/04/2021 08:00	-	0.0	24.6	68.9	1.4	297.4
3/04/2021 09:00	-	0.0	24.1	69.7	2.3	266.1
3/04/2021 10:00	-	0.0	24.9	66.3	2.7	265.7
3/04/2021 11:00	-	0.0	24.3	70.6	2.8	270.9
3/04/2021 12:00	-	0.0	24.6	69.3	2.8	254.2
3/04/2021 13:00	-	0.0	25.4	66.6	2.4	260.0
3/04/2021 14:00	-	0.0	25.7	65.5	1.9	257.1
3/04/2021 15:00	-	0.0	26.1	62.8	1.5	259.4
3/04/2021 16:00	-	0.0	25.6	64.4	1.6	265.3
3/04/2021 17:00	-	0.0	25.8	61.7	1.1	231.3
3/04/2021 18:00	-	0.0	25.0	64.0	0.7	144.6
3/04/2021 19:00	-	0.0	23.8	71.5	0.7	143.8
3/04/2021 20:00	-	0.0	23.6	73.5	0.7	148.2
3/04/2021 21:00	-	0.0	23.8	74.3	0.4	139.1
3/04/2021 22:00	-	0.0	23.8	75.6	0.4	145.2
3/04/2021 23:00	-	0.0	24.1	75.0	0.3	181.3
4/04/2021 00:00	-	0.0	24.0	75.6	0.7	146.4
4/04/2021 01:00	-	0.0	24.1	74.6	0.7	150.7
4/04/2021 02:00	-	0.0	24.2	73.4	0.6	135.8
4/04/2021 03:00	-	0.0	23.8	73.0	0.6	135.4
4/04/2021 04:00	-	0.0	23.4	72.4	0.7	149.6
4/04/2021 05:00	-	0.0	23.5	71.8	0.8	137.6
4/04/2021 06:00	-	0.0	24.6	68.5	0.7	144.0
4/04/2021 07:00	-	0.0	26.7	61.8	1.2	157.5
4/04/2021 08:00	-	0.0	28.9	54.1	1.1	172.3
4/04/2021 09:00	-	0.0	27.7	58.9	2.5	260.9
4/04/2021 10:00	-	0.0	26.4	63.1	3.3	269.8
4/04/2021 11:00	-	0.0	27.1	60.5	3.1	258.7
4/04/2021 12:00	-	0.0	27.0	61.5	3.3	267.7
4/04/2021 13:00	-	0.0	26.5	62.2	2.8	254.8
4/04/2021 14:00	-	0.0	25.4	66.1	2.7	253.1
4/04/2021 15:00	-	0.0	26.5	61.1	1.9	245.1
4/04/2021 16:00	-	0.0	26.4	57.8	1.3	212.6
4/04/2021 17:00	-	0.0	25.4	60.9	0.9	156.5
4/04/2021 18:00	-	0.0	24.9	63.0	0.8	137.2
4/04/2021 19:00	-	0.0	25.0	63.0	0.8	141.2
4/04/2021 20:00	-	0.0	25.2	63.1	0.7	167.2
4/04/2021 21:00	-	0.0	24.8	65.2	0.6	182.7
4/04/2021 22:00	-	0.0	24.4	67.8	0.5	257.9
4/04/2021 23:00	-	0.0	24.4	66.7	0.7	165.7
5/04/2021 00:00	-	0.0	26.2	58.3	1.2	148.7
5/04/2021 01:00	-	0.0	26.0	57.5	1.2	147.7
5/04/2021 02:00	-	0.0	25.6	58.3	1.3	145.3
5/04/2021 03:00	-	0.0	25.4	59.2	0.8	148.9
5/04/2021 04:00	-	0.0	24.8	62.4	1.0	165.8
5/04/2021 05:00	-	0.0	24.8	63.0	1.5	162.2
5/04/2021 06:00	-	0.0	26.0	59.5	1.8	150.9

5	5/04/2021 09:00	-	0.0	28.4	54.2	1.5	139.9
	5/04/2021 10:00	-	0.0	29.8	51.5	1.5	177.4
	5/04/2021 11:00	-	0.0	31.2	48.4	1.6	212.9
	5/04/2021 12:00	-	0.0	30.6	50.4	2.6	253.9
	5/04/2021 13:00	-	0.0	29.5	53.4	3.0	239.2
	5/04/2021 14:00	-	0.0	29.1	55.9	2.8	238.4
	5/04/2021 15:00	-	0.0	27.9	60.7	2.5	241.3
	5/04/2021 16:00	-	0.0	27.0	61.5	2.2	222.3
	5/04/2021 17:00	-	0.0	26.0	64.0	2.0	210.1
	5/04/2021 18:00	-	0.0	25.6	64.4	1.5	210.1
	5/04/2021 19:00	-	0.0	24.7	67.7	1.3	213.4
	5/04/2021 20:00	-	0.0	24.5	69.7	0.7	114.7
6	6/04/2021 21:00	-	0.0	24.3	71.0	0.6	184.8
	6/04/2021 22:00	-	0.0	24.6	68.9	0.7	166.0
	6/04/2021 23:00	-	0.0	24.6	68.7	0.4	161.7
	6/04/2021 00:00	-	0.0	24.5	68.7	0.6	152.2
	6/04/2021 01:00	-	0.0	24.0	70.9	0.6	136.0
	6/04/2021 02:00	-	0.0	24.0	71.0	0.4	173.6
	6/04/2021 03:00	-	0.0	24.0	70.7	0.6	185.0
	6/04/2021 04:00	-	0.0	24.4	69.1	0.7	175.6
	6/04/2021 05:00	-	0.0	24.8	67.6	0.8	145.6
	6/04/2021 06:00	-	0.0	24.0	70.4	0.8	199.6
	6/04/2021 07:00	-	0.0	24.1	70.6	0.8	181.2
	6/04/2021 08:00	-	0.0	25.6	65.7	0.6	178.0
6/04/2021 09:00	-	0.0	27.1	61.2	1.0	248.4	
6/04/2021 10:00	-	0.0	26.1	66.0	2.5	268.0	
6/04/2021 11:00	-	0.0	26.3	65.7	2.8	264.2	
6/04/2021 12:00	-	0.0	25.1	69.6	3.0	261.0	
6/04/2021 13:00	-	0.0	24.8	71.2	2.8	267.2	
6/04/2021 14:00	-	0.0	25.5	69.0	2.0	254.6	
6/04/2021 15:00	-	0.0	24.9	71.3	1.9	250.8	
6/04/2021 16:00	-	0.0	24.3	73.0	2.5	266.5	
6/04/2021 17:00	-	0.0	23.6	75.6	1.6	260.8	
6/04/2021 18:00	-	0.0	23.4	76.6	1.2	251.9	
6/04/2021 19:00	-	0.0	23.6	75.3	0.7	190.4	
6/04/2021 20:00	-	0.0	23.2	76.7	0.7	169.9	
6/04/2021 21:00	-	0.0	22.8	79.3	0.6	154.5	
6/04/2021 22:00	-	0.3	22.3	83.9	0.7	142.3	
6/04/2021 23:00	-	0.0	23.0	79.3	0.7	141.5	
7	7/04/2021 00:00	-	0.0	23.6	76.7	0.4	145.5
	7/04/2021 01:00	-	0.0	24.6	71.4	0.9	152.9
	7/04/2021 02:00	-	0.0	25.1	69.1	0.9	143.2
	7/04/2021 03:00	-	0.0	25.2	66.6	1.0	148.6
	7/04/2021 04:00	-	0.0	25.1	65.9	1.1	155.7
	7/04/2021 05:00	-	0.0	24.4	67.8	1.0	157.5
	7/04/2021 06:00	-	0.0	23.8	70.9	1.5	154.4
	7/04/2021 07:00	-	0.0	24.2	68.8	1.9	152.9
	7/04/2021 08:00	-	0.0	25.2	64.8	1.9	143.8
	7/04/2021 09:00	-	0.0	27.2	59.6	1.8	144.2
	7/04/2021 10:00	-	0.0	29.3	54.3	1.3	166.7
	7/04/2021 11:00	-	0.0	30.4	51.1	1.8	212.3
7/04/2021 12:00	-	0.0	29.8	53.1	2.7	232.7	
7/04/2021 13:00	-	0.0	29.2	54.5	2.8	223.8	
7/04/2021 14:00	-	0.0	26.4	64.2	3.1	260.2	
7/04/2021 15:00	-	0.0	26.7	62.8	2.5	248.1	
7/04/2021 16:00	-	0.0	26.8	61.3	2.5	215.0	
7/04/2021 17:00	-	0.0	26.5	62.3	1.3	221.2	
7/04/2021 18:00	-	0.0	25.2	66.6	1.2	190.5	
7/04/2021 19:00	-	0.0	24.5	68.9	0.9	144.3	
7/04/2021 20:00	-	0.0	24.4	69.2	0.8	164.6	
7/04/2021 21:00	-	0.0	24.8	67.3	0.8	148.2	
7/04/2021 22:00	-	0.0	25.0	66.6	0.3	161.9	
7/04/2021 23:00	-	0.0	24.0	73.8	0.5	156.9	
8	8/04/2021 00:00	-	0.0	22.9	77.9	0.6	155.2
	8/04/2021 01:00	-	0.0	23.7	74.0	0.8	146.6
	8/04/2021 02:00	-	0.0	24.8	67.3	1.2	136.9
	8/04/2021 03:00	-	0.0	24.9	66.8	1.4	156.7
	8/04/2021 04:00	-	0.0	24.5	68.1	1.5	152.3
	8/04/2021 05:00	-	0.0	23.5	73.7	1.6	154.1
	8/04/2021 06:00	-	0.0	23.3	74.0	1.2	142.7
	8/04/2021 07:00	-	0.0	23.6	71.4	1.6	146.6
	8/04/2021 08:00	-	0.0	24.9	66.9	1.5	143.5
	8/04/2021 09:00	-	0.0	27.2	60.0	1.2	137.6
	8/04/2021 10:00	-	0.0	29.6	53.7	1.2	176.7
	8/04/2021 11:00	-	0.0	30.5	51.7	1.8	217.6
8/04/2021 12:00	-	0.0	30.2	53.6	2.4	255.4	
8/04/2021 13:00	-	0.0	29.3	56.1	2.7	249.6	
8/04/2021 14:00	-	0.0	29.3	55.2	2.9	243.5	
8/04/2021 15:00	-	0.0	27.0	61.2	2.7	242.3	
8/04/2021 16:00	-	0.0	26.8	60.9	2.8	210.1	
8/04/2021 17:00	-	0.0	25.3	64.0	2.0	218.6	
8/04/2021 18:00	-	0.0	24.1	68.7	1.2	209.0	
8/04/2021 19:00	-	0.0	23.5	71.6	0.9	198.4	
8/04/2021 20:00	-	0.0	23.5	71.7	0.9	181.6	
8/04/2021 21:00	-	0.0	23.6	71.8	0.9	155.4	
8/04/2021 22:00	-	0.0	23.7	71.9	0.8	168.5	
8/04/2021 23:00	-	0.0	24.8	67.7	1.6	155.7	
9	9/04/2021 00:00	-	0.0	24.7	67.2	1.1	154.6
	9/04/2021 01:00	-	0.0	24.3	67.9	1.0	185.8
	9/04/2021 02:00	-	0.0	23.9	69.0	1.0	156.4
	9/04/2021 03:00	-	0.0	23.7	69.8	0.6	191.1
	9/04/2021 04:00	-	0.0	23.5	70.1	1.1	162.3
	9/04/2021 05:00	-	0.0	23.0	71.9	1.2	157.3
	9/04/2021 06:00	-	0.0	22.4	74.5	1.0	155.3
	9/04/2021 07:00	-	0.0	22.8	74.0	1.1	149.5
	9/04/2021 08:00	-	0.0	24.2	70.0	1.3	155.3
	9/04/2021 09:00	-	0.0	26.2	64.0	1.4	161.7
	9/04/2021 10:00	-	0.0	29.0	55.9	1.3	178.8
	9/04/2021 11:00	-	0.0	30.6	51.1	1.9	213.2
9/04/2021 12:00	-	0.0	28.2	56.9	3.6	270.3	
9/04/2021 13:00	-	0.0	27.7	57.8	3.3	261.0	
9/04/2021 14:00	-	-	-	-	-	-	
9/04/2021 15:00	-	-	-	-	-	-	
9/04/2021 16:00	-	0.0	25.9	62.5	2.2	235.6	
9/04/2021 17:00	-	0.0	25.0	65.4	1.8	218.0	
9/04/2021 18:00	-	0.0	23.6	70.7	0.9	195.2	
9/04/2021 19:00	-	0.0	22.9	73.5	0.8	133.8	
9/04/2021 20:00	-	0.0	22.5	74.9	0.7	174.6	
9/04/2021 21:00	-	0.0	23.0	73.3	1.1	145.0	
9/04/2021 22:00	-	0.0	23.8	72.2	1.0	135.1	
9/04/2021 23:00	-	0.3	23.4	79.1	1.2	151.5	
10	10/04/2021 00:00	-	0.8	22.8	82.6	0.5	149.9
	10/04/2021 01:00	-	0.0	22.9	80.6	0.7	185.0
	10/04/2021 02:00	-	0.0	23.2	78.1	1.0	154.4
	10/04/2021 03:00	-	0.0	22.9	78.5	1.4	143.1
	10/04/2021 04:00	-	0.0	22.8	78.9	1.3	151.6
	10/04/2021 05:00	-	0.0	22.9	77.6	1.4	146.5
	10/04/2021 06:00	-	0.0	22.7	78.9	1.4	146.0
	10/04/2021 07:00	-	0.0	22.9	78.4	1.2	138.5
	10/04/2021 08:00	-	0.0	24.3	73.5	1.0	146.4
	10/04/2021 09:00	-	0.0	27.5	64.5	0.7	141.4
	10/04/2021 10:00	-	0.0	28.7	60.2	1.9	275.0
	10/04/2021 11:00	-	0.0	28.2	61.2	2.9	263.7
10/04/2021 12:00	-	0.0	25.3	69.1	2.9	251.7	
10/04/2021 13:00	-	0.0	26.7	64.5	2.8	260.8	
10/04/2021 14:00	-	0.0	26.1	66.1	3.0	262.3	
10/04/2021 15:00	-	0.0	25.1	68.3	2.8	270.8	
10/04/2021 16:00	-	0.0	25.6	65.5	2.5	240.6	
10/04/2021 17:00	-	0.0	25.6	63.4	1.8	205.7	
10/04/2021 18:00	-	0.0	24.5	66.7	0.9	199.3	
10/04/2021 19:00	-	0.0	23.4	70.2	0.9	173.2	
10/04/2021 20:00	-	0.0	23.4	70.7	0.8	159.0	

11	10/04/2021 21:00	-	0.0	23.8	69.5	0.7	168.0
	10/04/2021 22:00	-	0.0	23.6	70.5	0.9	151.2
	10/04/2021 23:00	-	0.0	23.2	72.3	1.0	144.2
	11/04/2021 00:00	-	0.0	24.1	69.5	1.2	154.4
	11/04/2021 01:00	-	0.0	24.8	67.0	1.5	146.8
	11/04/2021 02:00	-	0.0	24.9	66.3	1.5	144.0
	11/04/2021 03:00	-	0.0	24.6	66.8	1.1	146.1
	11/04/2021 04:00	-	0.0	24.2	68.5	0.9	163.9
	11/04/2021 05:00	-	0.0	23.8	70.0	0.6	181.3
	11/04/2021 06:00	-	0.0	23.4	70.7	0.7	135.4
	11/04/2021 07:00	-	0.0	23.6	70.7	0.8	198.5
	11/04/2021 08:00	-	0.0	24.5	68.4	0.9	171.6
	11/04/2021 09:00	-	0.0	27.2	60.1	1.1	155.4
	11/04/2021 10:00	-	0.0	29.5	53.7	1.2	183.2
	11/04/2021 11:00	-	0.0	30.6	50.7	1.8	213.9
	11/04/2021 12:00	-	0.0	26.6	62.0	3.4	259.6
	11/04/2021 13:00	-	0.0	26.9	60.6	2.8	249.5
	11/04/2021 14:00	-	0.0	26.2	62.7	2.8	235.1
	11/04/2021 15:00	-	0.0	23.8	70.7	2.7	256.3
	11/04/2021 16:00	-	0.0	23.9	69.0	1.8	250.7
	11/04/2021 17:00	-	0.0	24.1	67.6	1.2	197.6
	11/04/2021 18:00	-	0.0	23.2	72.6	0.9	173.7
	11/04/2021 19:00	-	0.0	22.6	76.0	0.9	189.2
	11/04/2021 20:00	-	0.0	22.1	78.6	0.9	136.2
11/04/2021 21:00	-	0.0	22.0	78.8	0.6	135.7	
11/04/2021 22:00	-	0.0	22.7	76.4	0.5	154.0	
11/04/2021 23:00	-	0.0	22.8	75.6	0.8	144.8	
12	12/04/2021 00:00	-	0.0	23.3	74.0	1.2	150.4
	12/04/2021 01:00	-	0.0	24.0	71.3	1.3	145.7
	12/04/2021 02:00	-	0.0	23.9	70.7	1.0	156.0
	12/04/2021 03:00	-	0.0	23.6	70.9	1.2	144.8
	12/04/2021 04:00	-	0.0	23.1	72.7	1.1	153.2
	12/04/2021 05:00	-	0.0	22.7	74.4	1.4	139.4
	12/04/2021 06:00	-	0.0	22.6	75.1	1.9	147.3
	12/04/2021 07:00	-	0.0	22.9	74.2	2.1	140.4
	12/04/2021 08:00	-	0.0	24.4	68.9	1.9	144.7
	12/04/2021 09:00	-	0.0	26.6	62.0	1.4	148.9
	12/04/2021 10:00	-	0.0	28.6	56.3	1.4	189.3
	12/04/2021 11:00	-	0.0	26.7	63.8	2.8	258.2
	12/04/2021 12:00	-	0.0	27.7	59.8	2.9	252.4
	12/04/2021 13:00	-	0.0	27.6	59.2	2.6	242.8
	12/04/2021 14:00	-	0.0	27.9	58.2	2.7	248.2
	12/04/2021 15:00	-	0.0	25.7	65.7	2.5	242.2
	12/04/2021 16:00	-	0.0	26.8	61.6	2.1	229.7
	12/04/2021 17:00	-	0.0	25.7	63.9	2.5	212.8
	12/04/2021 18:00	-	0.0	24.3	68.4	1.1	206.7
	12/04/2021 19:00	-	0.0	23.4	70.5	0.9	179.5
	12/04/2021 20:00	-	0.0	22.5	74.4	0.8	145.0
	12/04/2021 21:00	-	0.0	22.3	75.2	0.8	142.7
	12/04/2021 22:00	-	0.0	22.4	74.4	0.9	144.9
	12/04/2021 23:00	-	0.0	22.0	75.5	0.9	139.5
13	13/04/2021 00:00	-	0.0	22.1	75.4	0.6	177.0
	13/04/2021 01:00	-	0.0	22.2	75.9	0.7	192.3
	13/04/2021 02:00	-	0.0	22.6	75.1	0.9	161.0
	13/04/2021 03:00	-	0.0	23.5	75.2	1.7	154.4
	13/04/2021 04:00	-	0.0	22.2	76.7	1.4	147.1
	13/04/2021 05:00	-	0.0	21.9	77.6	1.0	143.7
	13/04/2021 06:00	-	0.0	21.7	78.3	1.1	157.5
	13/04/2021 07:00	-	0.0	21.6	79.3	0.8	173.9
	13/04/2021 08:00	-	0.0	22.4	77.2	1.0	160.7
	13/04/2021 09:00	-	0.0	24.4	70.6	1.4	152.4
	13/04/2021 10:00	-	0.0	26.2	64.8	1.3	186.8
	13/04/2021 11:00	-	0.0	27.0	62.2	2.3	240.0
	13/04/2021 12:00	-	0.0	27.6	59.2	2.3	226.9
	13/04/2021 13:00	-	0.0	27.9	58.2	2.3	231.9
	13/04/2021 14:00	-	0.0	27.8	58.2	2.6	252.0
	13/04/2021 15:00	-	0.0	24.0	70.3	3.7	270.2
	13/04/2021 16:00	-	0.0	23.5	72.2	3.1	269.5
	13/04/2021 17:00	-	0.0	23.6	71.3	2.2	263.5
	13/04/2021 18:00	-	0.0	24.4	67.1	1.1	235.4
	13/04/2021 19:00	-	0.0	23.6	69.8	0.8	141.3
	13/04/2021 20:00	-	0.0	23.2	71.3	0.9	163.9
	13/04/2021 21:00	-	0.0	23.2	71.0	1.2	142.0
	13/04/2021 22:00	-	0.0	24.6	67.3	1.5	157.3
	13/04/2021 23:00	-	0.0	24.9	66.7	1.5	155.5
14	14/04/2021 00:00	-	0.0	24.3	67.6	1.6	151.9
	14/04/2021 01:00	-	0.0	23.6	68.8	1.3	162.5
	14/04/2021 02:00	-	0.0	23.0	68.8	1.3	151.0
	14/04/2021 03:00	-	0.0	22.2	72.2	1.5	158.3
	14/04/2021 04:00	-	0.0	21.8	73.5	1.2	166.5
	14/04/2021 05:00	-	0.0	21.4	74.8	1.3	141.1
	14/04/2021 06:00	-	0.0	21.3	75.5	1.6	152.2
	14/04/2021 07:00	-	0.0	21.3	76.3	1.5	156.6
	14/04/2021 08:00	-	0.0	22.7	72.7	1.2	155.7
	14/04/2021 09:00	-	0.0	24.8	66.0	1.1	155.7
	14/04/2021 10:00	-	0.0	26.6	61.3	1.5	200.2
	14/04/2021 11:00	-	0.0	25.9	63.0	3.1	260.3
	14/04/2021 12:00	-	0.0	26.7	60.3	2.9	265.0
	14/04/2021 13:00	-	0.0	26.6	59.6	3.0	260.9
	14/04/2021 14:00	-	0.0	26.0	61.5	3.4	262.9
	14/04/2021 15:00	-	0.0	26.0	60.2	2.2	235.4
	14/04/2021 16:00	-	0.0	25.5	60.9	1.7	212.4
	14/04/2021 17:00	-	0.0	24.9	62.9	1.1	228.2
	14/04/2021 18:00	-	0.0	24.0	66.2	0.8	171.7
	14/04/2021 19:00	-	0.0	23.1	70.1	0.8	156.4
	14/04/2021 20:00	-	0.0	23.0	70.4	0.9	166.6
	14/04/2021 21:00	-	0.0	23.7	67.6	1.2	155.0
	14/04/2021 22:00	-	0.0	24.9	63.9	1.5	148.2
	14/04/2021 23:00	-	0.0	24.8	63.3	1.5	146.0
15	15/04/2021 00:00	-	0.0	24.6	63.1	1.5	145.1
	15/04/2021 01:00	-	0.0	24.3	63.7	1.2	153.6
	15/04/2021 02:00	-	0.0	24.0	64.5	1.4	149.0
	15/04/2021 03:00	-	0.0	24.1	64.1	1.4	160.7
	15/04/2021 04:00	-	0.0	23.7	65.2	1.4	147.5
	15/04/2021 05:00	-	0.0	23.3	66.3	1.5	172.0
	15/04/2021 06:00	-	0.0	22.9	67.2	1.9	150.2
	15/04/2021 07:00	-	0.0	23.2	66.0	1.8	131.8
	15/04/2021 08:00	-	0.0	24.3	62.8	1.8	152.8
	15/04/2021 09:00	-	0.0	26.3	57.5	1.9	153.1
	15/04/2021 10:00	-	0.0	27.6	54.6	1.6	152.6
	15/04/2021 11:00	-	0.0	29.6	49.8	1.3	218.3
	15/04/2021 12:00	-	0.0	30.4	47.6	1.9	218.6
	15/04/2021 13:00	-	0.0	29.0	50.8	2.6	224.7
	15/04/2021 14:00	-	0.0	28.0	53.9	2.2	229.9
	15/04/2021 15:00	-	0.0	26.2	59.5	2.1	247.1
	15/04/2021 16:00	-	0.0	24.5	64.7	1.8	253.7
	15/04/2021 17:00	-	0.0	24.6	63.3	1.1	181.0
	15/04/2021 18:00	-	0.0	23.2	67.3	0.9	132.0
	15/04/2021 19:00	-	0.0	22.9	68.3	0.9	163.2
	15/04/2021 20:00	-	0.0	22.7	69.1	0.8	158.4
	15/04/2021 21:00	-	0.0	23.5	65.8	1.1	153.3
	15/04/2021 22:00	-	0.0	24.8	60.8	1.1	158.4
	15/04/2021 23:00	-	0.0	25.6	58.2	1.4	154.1
16	16/04/2021 00:00	-	0.0	25.5	58.6	1.5	146.9
	16/04/2021 01:00	-	0.0	25.1	63.4	1.2	152.5
	16/04/2021 02:00	-	0.0	25.0	69.6	1.0	117.3
	16/04/2021 03:00	-	0.0	24.7	74.2	0.5	137.4
	16/04/2021 04:00	-	0.0	24.1	76.9	0.6	245.0
	16/04/2021 05:00	-	0.0	22.9	72.7	0.6	165.1
	16/04/2021 06:00	-	0.0	22.6	69.2	0.7	181.1
	16/04/2021 07:00	-	0.0	23.1	66.7	0.8	123.7
16/04/2021 08:00	-	0.0	24.1	64.8	0.8	167.7	

16	16/04/2021 09:00	-	0.0	25.7	61.8	1.2	209.8
	16/04/2021 10:00	-	0.0	27.9	53.4	1.2	220.2
	16/04/2021 11:00	-	0.0	29.0	51.1	1.7	233.9
	16/04/2021 12:00	-	0.0	27.2	55.9	2.9	247.0
	16/04/2021 13:00	-	0.0	28.0	54.6	2.6	252.0
	16/04/2021 14:00	-	0.0	27.8	54.2	2.6	241.9
	16/04/2021 15:00	-	0.0	24.7	64.8	2.9	264.7
	16/04/2021 16:00	-	0.0	26.3	57.1	2.1	233.9
	16/04/2021 17:00	-	0.0	25.4	58.4	1.9	213.4
	16/04/2021 18:00	-	0.0	24.2	62.8	0.9	173.1
	16/04/2021 19:00	-	0.5	24.0	64.7	0.9	125.8
	16/04/2021 20:00	-	0.0	24.9	61.0	1.0	131.2
	16/04/2021 21:00	-	0.0	25.1	60.2	0.8	177.7
	16/04/2021 22:00	-	0.0	24.8	61.1	0.9	152.0
	16/04/2021 23:00	-	0.0	25.2	60.7	1.4	114.3
	17/04/2021 00:00	-	0.3	24.3	67.5	0.8	120.1
	17/04/2021 01:00	-	0.0	24.1	68.1	0.5	180.4
	17/04/2021 02:00	-	0.0	24.2	64.3	0.8	166.1
	17/04/2021 03:00	-	0.0	24.1	65.2	1.0	128.4
	17/04/2021 04:00	-	0.0	24.2	64.0	1.4	121.8
	17/04/2021 05:00	-	0.0	24.2	64.6	1.1	126.2
	17/04/2021 06:00	-	0.0	23.8	67.0	0.6	111.4
	17/04/2021 07:00	-	0.0	23.5	68.0	0.9	130.6
	17/04/2021 08:00	-	0.0	25.6	62.6	1.0	153.6
17/04/2021 09:00	-	0.0	27.8	56.2	1.4	186.2	
17/04/2021 10:00	-	0.0	28.2	54.1	2.2	192.5	
17/04/2021 11:00	-	0.0	27.9	54.2	2.3	219.5	
17/04/2021 12:00	-	0.0	26.0	58.4	3.2	236.4	
17/04/2021 13:00	-	0.0	25.2	61.9	2.8	237.3	
17/04/2021 14:00	-	0.0	25.1	62.5	3.0	231.6	
17/04/2021 15:00	-	0.0	24.6	67.7	2.4	229.3	
17/04/2021 16:00	-	0.0	25.6	62.0	2.1	189.8	
17/04/2021 17:00	-	0.0	24.3	68.4	1.8	191.2	
17/04/2021 18:00	-	0.0	23.2	72.1	1.1	155.9	
17/04/2021 19:00	-	0.0	22.8	73.8	1.0	101.6	
17/04/2021 20:00	-	0.0	23.4	71.6	1.0	119.1	
17/04/2021 21:00	-	0.0	24.0	69.1	1.0	143.9	
17/04/2021 22:00	-	0.0	24.1	68.7	1.0	156.2	
17/04/2021 23:00	-	0.0	24.8	66.2	1.6	118.9	
18/04/2021 00:00	-	0.0	24.5	66.7	1.5	128.4	
18/04/2021 01:00	-	0.0	24.5	66.6	1.6	128.0	
18/04/2021 02:00	-	0.0	24.5	68.7	1.3	121.8	
18/04/2021 03:00	-	0.0	24.4	66.6	1.1	126.7	
18/04/2021 04:00	-	0.0	24.2	67.0	0.9	123.1	
18/04/2021 05:00	-	0.0	24.0	67.5	0.8	125.9	
18/04/2021 06:00	-	0.0	24.0	67.4	0.6	130.3	
18/04/2021 07:00	-	0.0	24.1	66.8	0.9	128.4	
18/04/2021 08:00	-	0.0	26.6	60.2	0.6	144.9	
18/04/2021 09:00	-	0.0	28.2	56.0	1.2	252.9	
18/04/2021 10:00	-	0.0	26.7	59.7	2.8	238.0	
18/04/2021 11:00	-	0.0	24.1	67.7	2.6	240.6	
18/04/2021 12:00	-	0.0	23.2	71.7	2.3	241.2	
18/04/2021 13:00	-	0.0	25.3	65.6	2.0	236.0	
18/04/2021 14:00	-	0.0	23.7	71.0	3.5	241.1	
18/04/2021 15:00	-	0.0	22.6	75.9	3.2	239.2	
18/04/2021 16:00	-	0.0	21.9	80.1	2.8	230.4	
18/04/2021 17:00	-	0.0	22.7	76.2	1.6	227.4	
18/04/2021 18:00	-	0.0	22.6	75.8	1.0	227.2	
18/04/2021 19:00	-	0.0	22.8	72.7	0.7	164.4	
18/04/2021 20:00	-	0.0	22.3	75.1	0.6	153.1	
18/04/2021 21:00	-	0.0	21.9	76.5	0.6	145.9	
18/04/2021 22:00	-	0.0	21.8	77.3	0.6	133.6	
18/04/2021 23:00	-	0.0	22.3	75.4	0.3	136.6	
19/04/2021 00:00	-	0.0	21.5	79.4	1.0	245.1	
19/04/2021 01:00	-	0.0	21.0	81.0	0.6	215.4	
19/04/2021 02:00	-	0.0	21.3	78.6	0.4	142.5	
19/04/2021 03:00	-	0.0	21.5	77.8	0.9	126.5	
19/04/2021 04:00	-	0.0	22.4	74.1	0.8	125.6	
19/04/2021 05:00	-	0.0	22.9	72.2	1.1	125.5	
19/04/2021 06:00	-	0.0	23.1	71.3	1.4	118.9	
19/04/2021 07:00	-	0.0	23.7	69.3	1.0	126.9	
19/04/2021 08:00	-	0.0	25.8	63.3	1.0	123.2	
19/04/2021 09:00	-	0.0	27.8	57.7	1.1	145.1	
19/04/2021 10:00	-	0.0	29.4	54.3	1.3	166.6	
19/04/2021 11:00	-	0.0	30.1	52.2	2.0	217.6	
19/04/2021 12:00	-	0.0	27.7	58.6	3.6	243.7	
19/04/2021 13:00	-	0.0	28.9	55.0	3.4	244.7	
19/04/2021 14:00	-	0.0	28.6	55.7	2.8	230.2	
19/04/2021 15:00	-	0.0	27.4	59.0	2.6	225.1	
19/04/2021 16:00	-	0.0	25.2	68.4	2.3	229.4	
19/04/2021 17:00	-	0.0	23.6	71.2	1.5	226.0	
19/04/2021 18:00	-	0.0	23.3	71.5	0.8	146.1	
19/04/2021 19:00	-	0.0	22.5	74.2	0.8	161.2	
19/04/2021 20:00	-	0.0	22.3	74.8	0.7	123.6	
19/04/2021 21:00	-	0.0	22.2	75.6	0.9	87.0	
19/04/2021 22:00	-	0.0	21.4	78.6	0.6	98.8	
19/04/2021 23:00	-	0.0	21.7	77.3	0.9	142.6	
20/04/2021 00:00	-	0.0	23.0	71.8	1.5	121.5	
20/04/2021 01:00	-	0.0	23.2	70.7	1.7	122.6	
20/04/2021 02:00	-	0.0	22.9	71.3	1.7	127.8	
20/04/2021 03:00	-	0.0	22.7	71.8	1.4	118.8	
20/04/2021 04:00	-	0.0	22.7	71.3	1.4	119.2	
20/04/2021 05:00	-	0.0	22.6	71.2	1.1	122.6	
20/04/2021 06:00	-	0.0	22.5	71.2	0.8	116.3	
20/04/2021 07:00	-	0.0	23.5	68.7	0.5	148.8	
20/04/2021 08:00	-	0.0	26.0	62.2	0.6	116.4	
20/04/2021 09:00	-	0.0	29.1	54.7	0.9	138.4	
20/04/2021 10:00	-	0.0	30.7	50.9	1.3	175.3	
20/04/2021 11:00	-	0.0	29.4	53.9	2.3	216.4	
20/04/2021 12:00	-	0.0	25.7	64.6	3.2	235.7	
20/04/2021 13:00	-	0.0	26.0	63.5	3.0	234.0	
20/04/2021 14:00	-	0.0	25.5	64.7	2.3	217.8	
20/04/2021 15:00	-	0.0	24.7	66.4	2.3	226.4	
20/04/2021 16:00	-	0.0	23.8	69.9	2.9	234.7	
20/04/2021 17:00	-	0.0	23.8	68.2	1.8	202.2	
20/04/2021 18:00	-	0.0	22.5	71.5	1.6	187.7	
20/04/2021 19:00	-	0.0	21.6	74.5	0.9	168.5	
20/04/2021 20:00	-	0.0	21.3	77.5	0.8	137.3	
20/04/2021 21:00	-	0.0	21.1	79.1	0.7	157.3	
20/04/2021 22:00	-	0.0	21.8	77.0	0.6	133.1	
20/04/2021 23:00	-	0.0	22.3	75.0	1.0	129.7	
21/04/2021 00:00	-	0.0	23.4	68.9	1.7	127.3	
21/04/2021 01:00	-	0.0	23.4	69.4	1.7	113.0	
21/04/2021 02:00	-	0.0	23.1	71.8	2.0	116.0	
21/04/2021 03:00	-	0.0	22.7	73.8	1.4	131.7	
21/04/2021 04:00	-	0.0	22.2	76.4	1.1	184.3	
21/04/2021 05:00	-	0.0	21.5	79.5	1.1	132.8	
21/04/2021 06:00	-	0.0	21.2	80.8	1.0	131.2	
21/04/2021 07:00	-	0.0	21.9	78.1	1.2	135.2	
21/04/2021 08:00	-	0.0	24.2	70.0	1.3	143.2	
21/04/2021 09:00	-	0.0	26.1	63.6	1.4	119.5	
21/04/2021 10:00	-	0.0	27.4	59.8	1.5	174.1	
21/04/2021 11:00	-	0.0	28.5	56.4	1.9	186.4	
21/04/2021 12:00	-	0.0	27.6	59.1	2.8	194.3	
21/04/2021 13:00	-	0.0	28.8	54.8	2.4	186.1	
21/04/2021 14:00	-	0.0	28.7	55.4	2.2	188.5	
21/04/2021 15:00	-	0.0	27.6	58.7	2.4	193.8	
21/04/2021 16:00	-	0.0	26.6	61.8	2.5	188.7	
21/04/2021 17:00	-	0.0	25.0	65.5	2.3	186.8	
21/04/2021 18:00	-	0.0	24.4	68.3	1.0	188.2	
21/04/2021 19:00	-	0.0	23.7	70.6	1.1	184.7	
21/04/2021 20:00	-	0.0	22.9	74.2	0.9	179.8	

22	21/04/2021 21:00	-	0.0	22.3	75.9	1.0	188.1
	21/04/2021 22:00	-	0.0	21.9	77.5	0.8	161.6
	21/04/2021 23:00	-	0.0	22.3	75.6	0.9	152.0
	22/04/2021 00:00	-	0.0	23.4	70.9	1.8	115.5
	22/04/2021 01:00	-	0.0	23.2	72.0	1.8	138.3
	22/04/2021 02:00	-	0.0	22.9	72.8	1.8	125.4
	22/04/2021 03:00	-	0.0	22.8	72.2	1.8	117.6
	22/04/2021 04:00	-	0.0	22.4	72.5	2.0	128.9
	22/04/2021 05:00	-	0.0	22.2	72.2	2.2	115.1
	22/04/2021 06:00	-	0.0	22.0	72.7	2.0	126.0
	22/04/2021 07:00	-	0.0	22.9	69.3	2.0	123.7
	22/04/2021 08:00	-	0.0	24.0	66.0	2.0	114.9
	22/04/2021 09:00	-	0.0	25.5	62.5	1.6	119.8
	22/04/2021 10:00	-	0.0	27.2	57.8	1.5	127.3
	22/04/2021 11:00	-	0.0	28.9	53.2	1.8	164.2
	22/04/2021 12:00	-	0.0	29.4	51.8	2.0	187.6
	22/04/2021 13:00	-	0.0	29.8	50.8	2.5	186.2
	22/04/2021 14:00	-	0.0	29.3	52.7	2.6	206.9
	22/04/2021 15:00	-	0.0	27.6	57.3	2.6	205.9
	22/04/2021 16:00	-	0.0	24.9	66.9	2.7	211.9
	22/04/2021 17:00	-	0.0	24.7	67.0	2.0	181.8
	22/04/2021 18:00	-	0.0	23.2	72.3	0.9	166.3
	22/04/2021 19:00	-	0.0	22.3	75.5	1.1	189.6
22/04/2021 20:00	-	0.0	22.2	75.4	1.3	183.2	
22/04/2021 21:00	-	0.0	22.7	72.6	1.1	135.0	
22/04/2021 22:00	-	0.0	21.7	76.8	0.9	163.1	
22/04/2021 23:00	-	0.0	21.1	79.4	0.8	173.7	
23	23/04/2021 00:00	-	0.0	21.6	75.7	1.3	121.0
	23/04/2021 01:00	-	0.0	21.7	74.5	1.2	116.4
	23/04/2021 02:00	-	0.0	21.7	73.8	1.3	135.1
	23/04/2021 03:00	-	0.0	21.9	73.3	1.4	129.9
	23/04/2021 04:00	-	0.0	21.4	75.6	1.6	138.4
	23/04/2021 05:00	-	0.0	21.4	75.4	1.2	146.4
	23/04/2021 06:00	-	0.0	20.9	77.1	1.1	116.6
	23/04/2021 07:00	-	0.0	21.1	76.8	1.4	131.2
	23/04/2021 08:00	-	0.0	22.3	72.2	1.7	127.5
	23/04/2021 09:00	-	0.0	24.6	64.4	1.4	135.8
	23/04/2021 10:00	-	0.0	26.6	57.8	1.3	162.4
	23/04/2021 11:00	-	0.0	28.2	52.8	1.9	187.9
	23/04/2021 12:00	-	0.0	28.9	51.5	1.9	188.8
	23/04/2021 13:00	-	0.0	28.9	51.8	2.2	192.7
	23/04/2021 14:00	-	0.0	28.5	52.8	2.4	203.2
	23/04/2021 15:00	-	0.0	27.6	54.2	2.5	192.1
	23/04/2021 16:00	-	0.0	26.3	58.0	2.4	186.7
	23/04/2021 17:00	-	0.0	25.1	61.6	1.8	181.2
	23/04/2021 18:00	-	0.0	23.9	66.0	1.3	188.6
	23/04/2021 19:00	-	0.0	23.0	69.7	1.4	188.1
	23/04/2021 20:00	-	0.0	22.4	71.8	0.8	166.8
	23/04/2021 21:00	-	0.0	22.1	73.2	0.8	179.8
	23/04/2021 22:00	-					
23/04/2021 23:00	-	0.0	22.8	68.7	1.2	138.8	
24	24/04/2021 00:00	-	0.0	23.0	67.6	1.5	127.6
	24/04/2021 01:00	-	0.0	22.7	68.2	1.4	126.9
	24/04/2021 02:00	-					
	24/04/2021 03:00	-	0.0	22.2	68.8	1.2	132.1
	24/04/2021 04:00	-	0.0	21.7	70.9	1.4	134.6
	24/04/2021 05:00	-	0.0	21.2	73.3	1.4	124.4
	24/04/2021 06:00	-	0.0	20.9	75.6	1.6	129.6
	24/04/2021 07:00	-	0.0	21.4	74.8	1.6	116.3
	24/04/2021 08:00	-	0.0	23.1	69.4	1.6	128.8
	24/04/2021 09:00	-	0.0	25.3	62.3	1.3	122.6
	24/04/2021 10:00	-	0.0	27.1	56.9	1.4	152.3
	24/04/2021 11:00	-	0.0	27.7	55.0	2.0	187.3
	24/04/2021 12:00	-	0.0	27.5	55.6	2.5	197.9
	24/04/2021 13:00	-	0.0	27.7	53.8	2.8	193.1
	24/04/2021 14:00	-	0.0	27.8	52.8	2.6	192.6
	24/04/2021 15:00	-	0.0	26.7	56.1	2.8	199.2
	24/04/2021 16:00	-	0.0	25.3	61.7	2.4	199.8
	24/04/2021 17:00	-	0.0	24.2	64.8	2.4	188.7
	24/04/2021 18:00	-	0.0	23.1	69.1	1.8	192.5
	24/04/2021 19:00	-	0.0	22.3	72.6	1.1	181.1
	24/04/2021 20:00	-	0.0	21.7	75.5	0.9	194.6
	24/04/2021 21:00	-	0.0	21.0	79.2	1.0	165.9
	24/04/2021 22:00	-	0.0	20.6	80.5	1.0	166.4
24/04/2021 23:00	-	0.0	21.6	75.1	1.5	126.0	
25	25/04/2021 00:00	-	0.0	22.9	68.6	1.9	130.4
	25/04/2021 01:00	-	0.0	22.8	67.9	1.7	127.0
	25/04/2021 02:00	-	0.0	22.9	67.0	1.5	126.1
	25/04/2021 03:00	-	0.0	22.7	67.8	1.3	118.9
	25/04/2021 04:00	-	0.0	22.0	72.5	1.5	112.8
	25/04/2021 05:00	-	0.0	20.7	80.5	1.7	121.8
	25/04/2021 06:00	-	0.0	20.5	82.2	1.6	127.7
	25/04/2021 07:00	-	0.0	20.5	83.8	1.5	133.5
	25/04/2021 08:00	-	0.0	21.5	79.9	1.5	119.1
	25/04/2021 09:00	-	0.0	22.9	74.9	1.1	135.4
	25/04/2021 10:00	-	0.0	25.4	66.6	1.2	163.6
	25/04/2021 11:00	-	0.0	27.2	60.1	1.7	192.2
	25/04/2021 12:00	-	0.0	27.5	57.6	2.2	204.3
	25/04/2021 13:00	-	0.0	27.3	57.4	2.3	211.5
	25/04/2021 14:00	-	0.0	26.6	60.3	2.6	237.5
	25/04/2021 15:00	-	0.0	26.6	59.6	2.3	226.2
	25/04/2021 16:00	-	0.0	25.5	64.4	2.0	234.9
	25/04/2021 17:00	-	0.0	24.4	66.5	1.6	191.9
	25/04/2021 18:00	-	0.0	22.8	72.4	1.1	134.0
	25/04/2021 19:00	-	0.0	22.0	75.6	0.9	113.4
	25/04/2021 20:00	-	0.0	21.6	77.2	0.9	138.1
	25/04/2021 21:00	-	0.0	21.9	76.0	0.8	108.8
	25/04/2021 22:00	-	0.0	21.9	75.7	0.6	134.7
25/04/2021 23:00	-	0.0	22.0	74.8	0.5	139.7	
26	26/04/2021 00:00	-	0.0	22.6	72.0	1.4	123.2
	26/04/2021 01:00	-	0.0	22.6	71.2	1.2	116.5
	26/04/2021 02:00	-	0.0	22.7	70.5	1.5	127.2
	26/04/2021 03:00	-	0.0	22.4	71.4	1.6	126.4
	26/04/2021 04:00	-	0.0	22.5	69.3	1.6	127.1
	26/04/2021 05:00	-	0.0	22.6	68.5	1.5	126.4
	26/04/2021 06:00	-	0.0	22.4	68.8	1.7	116.0
	26/04/2021 07:00	-	0.0	22.1	70.9	1.5	121.9
	26/04/2021 08:00	-	0.0	22.0	73.7	1.2	129.5
	26/04/2021 09:00	-	0.0	22.2	76.6	1.2	109.9
	26/04/2021 10:00	-	0.0	24.5	68.5	1.0	179.9
	26/04/2021 11:00	-	0.0	24.7	66.4	2.0	199.8
	26/04/2021 12:00	-	0.0	25.6	62.4	1.9	193.1
	26/04/2021 13:00	-	0.0	25.7	62.0	2.6	198.2
26/04/2021 14:00	-	0.0	25.1	66.3	2.5	237.7	
26/04/2021 15:00	-	0.0	24.2	69.4	2.5	223.5	
26/04/2021 16:00	-	0.0	24.0	68.6	1.9	197.3	
26/04/2021 17:00	-	0.0	22.9	72.4	1.8	183.9	
26/04/2021 18:00	-	0.0	22.1	75.3	1.3	185.0	
26/04/2021 19:00	-	0.0	21.6	77.6	0.9	134.6	

27	26/04/2021 20:00	-	0.0	21.2	79.2	0.9	149.6
	26/04/2021 21:00	-	0.0	20.9	80.9	0.7	162.1
	26/04/2021 22:00	-	0.0	21.0	80.7	0.6	116.8
	26/04/2021 23:00	-	0.0	21.4	78.6	0.8	123.3
	27/04/2021 00:00	-	0.0	22.5	73.7	1.2	119.6
	27/04/2021 01:00	-	0.0	22.6	72.0	1.4	125.9
	27/04/2021 02:00	-	0.0	22.4	71.0	1.7	122.1
	27/04/2021 03:00	-	0.0	22.1	70.4	1.3	123.3
	27/04/2021 04:00	-	0.0	21.8	72.0	1.0	122.6
	27/04/2021 05:00	-	0.0	21.4	73.2	1.1	123.7
	27/04/2021 06:00	-	0.0	21.4	72.9	1.5	117.3
	27/04/2021 07:00	-	0.0	21.6	73.2	1.8	130.4
	27/04/2021 08:00	-	0.0	23.0	68.9	1.5	121.7
	27/04/2021 09:00	-	0.0	24.9	63.5	1.3	132.1
	27/04/2021 10:00	-	0.0	26.7	58.5	1.5	132.1
	27/04/2021 11:00	-	0.0	28.0	55.2	1.8	172.0
	27/04/2021 12:00	-	0.0	27.2	57.0	2.5	192.0
	27/04/2021 13:00	-	0.0	26.5	59.1	3.0	195.3
	27/04/2021 14:00	-	0.0	25.2	64.4	2.7	213.4
	27/04/2021 15:00	-	0.0	23.2	72.0	2.6	208.0
	27/04/2021 16:00	-	0.0	23.8	69.2	3.0	190.8
	27/04/2021 17:00	-	0.0	23.1	71.4	2.2	183.9
	27/04/2021 18:00	-	0.0	21.7	76.9	1.5	179.5
	27/04/2021 19:00	-	0.0	20.3	83.0	1.5	183.0
27/04/2021 20:00	-	0.0	20.0	84.0	0.8	179.4	
27/04/2021 21:00	-	0.0	20.2	83.7	0.9	138.6	
27/04/2021 22:00	-	0.0	21.1	79.4	0.8	137.2	
27/04/2021 23:00	-	0.0	22.2	74.3	1.4	123.6	
28	28/04/2021 00:00	-	0.0	22.4	73.2	1.7	124.7
	28/04/2021 01:00	-	0.0	22.3	73.4	1.9	127.2
	28/04/2021 02:00	-	0.0	22.3	72.9	1.6	129.5
	28/04/2021 03:00	-	-	-	-	-	-
	28/04/2021 04:00	-	-	-	-	-	-
	28/04/2021 05:00	-	-	-	-	-	-
	28/04/2021 06:00	-	-	-	-	-	-
	28/04/2021 07:00	-	-	-	-	-	-
	28/04/2021 08:00	-	-	-	-	-	-
	28/04/2021 09:00	-	-	-	-	-	-
	28/04/2021 10:00	-	-	-	-	-	-
	28/04/2021 11:00	-	-	-	-	-	-
	28/04/2021 12:00	-	-	-	-	-	-
	28/04/2021 13:00	-	-	-	-	-	-
	28/04/2021 14:00	-	-	-	-	-	-
	28/04/2021 15:00	-	-	-	-	-	-
	28/04/2021 16:00	-	-	-	-	-	-
	28/04/2021 17:00	-	-	-	-	-	-
	28/04/2021 18:00	-	-	-	-	-	-
	28/04/2021 19:00	-	-	-	-	-	-
	28/04/2021 20:00	-	0.0	21.0	77.8	0.8	130.2
	28/04/2021 21:00	-	0.0	20.7	80.2	0.8	172.7
	28/04/2021 22:00	-	0.0	20.4	81.8	0.6	144.1
	28/04/2021 23:00	-	0.0	21.0	78.9	0.7	133.1
29	29/04/2021 00:00	-	0.0	22.0	74.2	1.3	128.6
	29/04/2021 01:00	-	0.0	22.2	72.7	1.5	125.9
	29/04/2021 02:00	-	0.0	22.1	72.6	1.3	124.3
	29/04/2021 03:00	-	0.0	22.1	72.4	1.4	120.7
	29/04/2021 04:00	-	0.0	22.2	72.1	1.3	130.3
	29/04/2021 05:00	-	0.0	22.1	72.3	1.2	112.3
	29/04/2021 06:00	-	0.0	22.4	71.2	1.6	120.8
	29/04/2021 07:00	-	0.0	22.8	69.6	1.7	118.4
	29/04/2021 08:00	-	0.0	24.5	64.0	1.8	122.6
	29/04/2021 09:00	-	0.0	26.0	59.9	1.7	126.3
	29/04/2021 10:00	-	0.0	27.8	55.1	1.4	144.5
	29/04/2021 11:00	-	0.0	28.7	53.0	2.0	183.9
	29/04/2021 12:00	-	0.0	28.1	54.8	2.4	195.8
	29/04/2021 13:00	-	0.0	27.8	55.7	2.4	196.6
	29/04/2021 14:00	-	0.0	25.3	64.7	2.4	227.1
	29/04/2021 15:00	-	0.0	24.0	69.5	2.1	234.5
	29/04/2021 16:00	-	0.0	23.3	72.0	2.0	230.8
	29/04/2021 17:00	-	0.0	24.1	66.6	1.8	183.1
	29/04/2021 18:00	-	0.0	23.0	70.6	1.2	184.5
	29/04/2021 19:00	-	0.0	22.0	75.5	0.8	135.2
	29/04/2021 20:00	-	0.0	21.4	79.0	0.7	148.3
	29/04/2021 21:00	-	0.0	20.8	81.0	0.8	155.0
	29/04/2021 22:00	-	0.0	20.4	82.4	0.7	149.4
	29/04/2021 23:00	-	0.0	20.1	84.0	0.7	166.3
30	30/04/2021 00:00	-	0.0	19.8	85.7	0.7	177.7
	30/04/2021 01:00	-	0.0	19.5	87.0	0.6	148.4
	30/04/2021 02:00	-	0.0	19.8	86.3	0.5	153.4
	30/04/2021 03:00	-	0.0	20.7	81.8	1.1	127.2
	30/04/2021 04:00	-	0.0	21.6	77.1	1.1	110.0
	30/04/2021 05:00	-	0.0	22.0	74.8	0.8	131.4
	30/04/2021 06:00	-	0.0	21.7	75.7	0.8	137.1
	30/04/2021 07:00	-	0.0	22.0	74.0	1.1	126.3
	30/04/2021 08:00	-	0.0	23.6	68.6	1.4	120.7
	30/04/2021 09:00	-	0.0	25.6	62.2	1.2	127.0
	30/04/2021 10:00	-	0.0	27.4	57.0	1.2	157.6
	30/04/2021 11:00	-	0.0	27.8	56.8	1.8	209.3
	30/04/2021 12:00	-	0.0	26.2	60.4	2.4	203.7
	30/04/2021 13:00	-	0.0	26.4	58.8	2.6	189.4
	30/04/2021 14:00	-	0.0	26.6	58.0	2.8	192.3
	30/04/2021 15:00	-	0.0	26.3	60.7	2.1	205.6
	30/04/2021 16:00	-	0.0	24.9	64.4	2.5	190.8
	30/04/2021 17:00	-	0.0	23.5	68.4	1.6	187.3
	30/04/2021 18:00	-	0.0	23.1	70.6	1.1	173.4
	30/04/2021 19:00	-	0.0	22.7	72.2	0.8	132.4
	30/04/2021 20:00	-	0.0	22.8	72.0	0.7	169.4
	30/04/2021 21:00	-	0.0	23.4	69.3	0.7	141.2
	30/04/2021 22:00	-	0.0	23.0	71.3	0.9	136.5
	30/04/2021 23:00	-	0.0	23.6	70.1	1.1	127.6

MÍNIMO	-	0.0	19.5	46.4	0.2	-
MÁXIMO	-	0.9	31.2	87.0	3.7	-
PROMEDIO	-	0.0	24.5	67.4	1.5	-

















TÍTULO DEL ESTUDIO: Evaluación ambiental de seguimiento de la

ESTACIÓN DE MONITOREO: CA-TA-01

	1-Abr	2-Abr	3-Abr	4-Abr	5-Abr	6-Abr	7-Abr	8-Abr	9-Abr	10-Abr	11-Abr
00:00	0.6	0.6	0.6	0.3	0.7	0.6	0.4	0.6	1.1	0.5	1.2
01:00	0.5	0.6	0.7	0.7	1	0.6	0.9	0.8	1	0.7	1.3
02:00	1.5	0.7	0.8	0.7	1.2	0.4	0.9	1.2	1	1	1.3
03:00	1.6	0.8	0.5	0.6	1.2	0.6	1	1.4	0.6	1.4	1.7
04:00	1.5	0.8	0.6	0.6	1.3	0.7	1.1	1.5	1.1	1.3	0.9
05:00	1.3	1.1	0.2	0.7	0.8	0.8	1	1.6	1.2	1.4	0.6
06:00	1.3	1.3	0.4	0.8	1	0.8	1.5	1.2	1	1.4	0.7
07:00	1.5	1.3	0.4	0.7	1.5	0.8	1.9	1.6	1.1	1.2	0.8
08:00	1.8	1	0.9	1.2	1.8	0.6	1.9	1.5	1.3	1	0.9
09:00	1.4	1.4	1.4	1.1	1.5	1	1.8	1.2	1.4	0.7	1.7
10:00	1.4	1.2	2.3	2.5	1.5	2.5	1.3	1.2	1.3	1.9	1.2
11:00	2.2	1.5	2.7	3.3	1.6	2.8	1.8	1.8	1.9	2.9	1.8
12:00	2.9	2.1	2.8	3.1	2.6	3	2.7	2.4	3.6	2.9	3.4
13:00	3.3	2.1	2.8	3.3	3	2.8	2.8	2.7	3.3	2.8	2.8
14:00	3	2.4	2.4	2.8	2.8	2	3.1	2.9	S.D.	3	2.8
15:00	2.6	S.D.	1.9	2.7	2.5	1.9	2.5	2.7	S.D.	2.8	2.7
16:00	1.8	2	1.5	1.9	2.2	2.5	2.5	2.8	2.2	2.5	1.8
17:00	1.5	1.7	1.6	1.3	2	1.6	1.3	2	1.8	1.8	1.3
18:00	1.2	1	1.1	0.9	1.5	1.2	1.2	1.2	0.9	0.9	0.9
19:00	0.7	0.9	0.7	0.8	1.3	0.7	0.9	0.9	0.8	0.9	0.9
20:00	0.6	1	0.7	0.8	0.7	0.7	0.8	0.9	0.7	0.8	0.9
21:00	0.5	0.7	0.7	0.7	0.6	0.6	0.8	0.9	1.1	0.7	0.6
22:00	0.4	0.6	0.4	0.6	0.7	0.7	0.3	0.8	1	0.9	0.8
23:00	0.6	0.5	0.4	0.5	0.4	0.7	0.5	1.6	1.2	1	0.8

	1-Abr	2-Abr	3-Abr	4-Abr	5-Abr	6-Abr	7-Abr	8-Abr	9-Abr	10-Abr	11-Abr
00:00	SSE	SSE	SW	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE
01:00	SSE	SSW	SSE	SSE	SE	SE	SSE	SSE	S	S	SSE
02:00	SSE	SSE	SSE	SSE	SSE	S	SE	SE	SSE	SSE	SSE
03:00	SSE	SW	SSE	SE	SSE	S	SSE	SSE	S	SE	SSE
04:00	SE	S	NE	SE	SSE	S	SSE	SSE	SSE	SSE	SSE
05:00	SSE	SSE	N	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S
06:00	SSE	SSE	SE	SE	SSE	SSW	SSE	SE	SSE	SSE	SE
07:00	SE	SSE	SSE	SSE	SSE	S	SSE	SSE	SSE	SE	SSW
08:00	SSE	SE	NNW	SSE	SSE	S	SSE	SSE	SSE	SSE	S
09:00	SSE	SSE	WNW	S	SE	WSW	SSE	SE	SSE	SE	SSE
10:00	SSW	SSW	W	W	S	W	SSE	S	S	W	S
11:00	WSW	SSW	W	W	SSW	W	SSW	SW	SSW	W	SW
12:00	W	SW	W	WSW	WSW	W	SW	WSW	W	WSW	W
13:00	W	WSW	WSW	W	WSW	W	SW	WSW	W	W	WSW
14:00	WSW	WSW	W	WSW	WSW	WSW	W	WSW		W	SW
15:00	SW		WSW	WSW	WSW	WSW	WSW	WSW		W	WSW
16:00	WSW	WSW	W	WSW	SW	W	SW	SSW	SW	WSW	WSW
17:00	SW	SW	W	SSW	SSW	W	SW	SW	SW	SSW	SSW
18:00	S	S	SW	SSE	SSW	WSW	S	SSW	SSW	SSW	S
19:00	SSE	SE	SSE	SE	SSW	S	SSE	SSW	SE	S	S
20:00	SSE	S	SSE	SE	ESE	S	SSE	S	S	SSE	SE
21:00	S	S	SSE	SSE	S	SSE	SSE	SSE	SSE	SSE	SE
22:00	SSE	SSW	SE	S	SSE	SE	SSE	SSE	SE	SSE	SSE
23:00	SSW	S	SSE	WSW	SSE	SE	SSE	SSE	SSE	SSE	SSE

Tabla 3.3. Velocidad y dirección del viento durante el mes

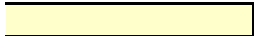
a calidad del aire en el área de influencia de la Refinería Talara, ubicada en el distrito de Pariñas, provincia de Tala Piura, en abril de 2021

CÓDIGO DE ACCIÓN 0002-4-2021-414

Velocidad del viento																			
r	12-Abr	13-Abr	14-Abr	15-Abr	16-Abr	17-Abr	18-Abr	19-Abr	20-Abr	21-Abr	22-Abr	23-Abr	24-Abr	25-Abr	26-Abr	27-Abr	28-Abr	29-Abr	30-Abr
2	1.2	0.6	1.6	1.5	1.5	0.8	1.5	1	1.5	1.7	1.8	1.3	1.5	1.9	1.4	1.2	1.7	1.3	
5	1.3	0.7	1.3	1.2	1.2	0.5	1.6	0.6	1.7	1.7	1.8	1.2	1.4	1.7	1.2	1.4	1.9	1.5	
5	1	0.9	1.3	1.4	1	0.8	1.3	0.4	1.7	2	1.8	1.3	S.D.	1.5	1.5	1.7	1.6	1.3	
1	1.2	1.7	1.5	1.4	0.5	1	1.1	0.9	1.4	1.4	1.8	1.4	1.2	1.3	1.6	1.3	S.D.	1.4	
9	1.1	1.4	1.2	1.4	0.6	1.4	0.9	0.8	1.4	1.1	2	1.6	1.4	1.5	1.6	1	S.D.	1.3	
6	1.4	1	1.3	1.5	0.6	1.1	0.8	1.1	1.1	1.1	2.2	1.2	1.4	1.7	1.5	1.1	S.D.	1.2	
7	1.9	1.1	1.6	1.9	0.7	0.6	0.6	1.4	0.8	1	2	1.1	1.6	1.6	1.7	1.5	S.D.	1.6	
8	2.1	0.8	1.5	1.8	0.8	0.9	0.9	1	0.5	1.2	2	1.4	1.6	1.5	1.5	1.8	S.D.	1.7	
9	1.9	1	1.2	1.8	0.8	1	0.6	1	0.6	1.3	2	1.7	1.6	1.5	1.2	1.5	S.D.	1.8	
1	1.4	1.4	1.1	1.9	1.2	1.4	1.2	1.1	0.9	1.4	1.6	1.4	1.3	1.1	1.2	1.3	S.D.	1.7	
2	1.4	1.3	1.5	1.6	1.2	2.2	2.8	1.3	1.3	1.5	1.5	1.3	1.4	1.2	1	1.5	S.D.	1.4	
8	2.8	2.3	3.1	1.3	1.7	2.3	2.6	2	2.3	1.9	1.8	1.9	2	1.7	2	1.8	S.D.	2	
4	2.9	2.3	2.9	1.9	2.9	3.2	2.3	3.6	3.2	2.8	2	1.9	2.5	2.2	1.9	2.5	S.D.	2.4	
8	2.6	2.3	3	2.6	2.6	2.8	2	3.4	3	2.4	2.5	2.2	2.8	2.3	2.6	3	S.D.	2.4	
8	2.7	2.6	3.4	2.2	2.6	3	3.5	2.8	2.3	2.2	2.6	2.4	2.6	2.6	2.5	2.7	S.D.	2.4	
7	2.5	3.7	2.2	2.1	2.9	2.4	3.2	2.6	2.3	2.4	2.6	2.5	2.8	2.3	2.5	2.6	S.D.	2.1	
8	2.1	3.1	1.7	1.8	2.1	2.1	2.8	2.3	2.9	2.5	2.7	2.4	2.4	2	1.9	3	S.D.	2	
2	2.5	2.2	1.1	1.1	1.9	1.8	1.6	1.5	1.8	2.3	2	1.8	2.4	1.6	1.8	2.2	S.D.	1.8	
9	1.1	1.1	0.8	0.9	0.9	1.1	1	0.8	1.6	1	0.9	1.3	1.8	1.1	1.3	1.5	S.D.	1.2	
9	0.9	0.8	0.8	0.9	0.9	1	0.7	0.8	0.9	1.1	1.1	1.4	1.1	0.9	0.9	1.5	S.D.	0.8	
9	0.8	0.9	0.9	0.8	1	1	0.6	0.7	0.8	0.9	1.3	0.8	0.9	0.9	0.9	0.8	0.8	0.7	
6	0.8	1.2	1.2	1.1	0.8	1	0.6	0.9	0.7	1	1.1	0.8	1	0.8	0.7	0.9	0.8	0.8	
5	0.9	1.5	1.5	1.1	0.9	1	0.6	0.6	0.6	0.8	0.9	S.D.	1	0.6	0.6	0.8	0.6	0.7	
8	0.9	1.5	1.5	1.4	1.4	1.6	0.3	0.9	1	0.9	0.8	1.2	1.5	0.5	0.8	1.4	0.7	0.7	
Dirección del viento																			
r	12-Abr	13-Abr	14-Abr	15-Abr	16-Abr	17-Abr	18-Abr	19-Abr	20-Abr	21-Abr	22-Abr	23-Abr	24-Abr	25-Abr	26-Abr	27-Abr	28-Abr	29-Abr	30-Abr
	SSE	S	SSE	SSE	SSE	ESE	SE	WSW	ESE	SE	ESE	ESE	SE	SE	ESE	ESE	SE	SE	S
	SSE	SSW	SSE	SSE	SSE	S	SE	SW	ESE	ESE	SE	ESE	SE	SE	ESE	SE	SE	SE	SSE
	SSE	SSE	SSE	SSE	ESE	SSE	ESE	SE	SE	ESE	SE	SE	SE	SE	ESE	SE	ESE	SE	SSE
	SSE	SSE	SSE	SSE	WSW	ESE	ESE	SE	ESE	S	SE	SE	SE	SE	ESE	SE	ESE	SE	SSE
	SE	SSE	SE	S	SSE	SE	SE	SE	ESE	SSW	ESE	SSE	SE	ESE	SE	ESE	SE	ESE	SSE
	SSE	SSE	SSE	SSE	S	ESE	SE	ESE	ESE	SE	SE	ESE	SE	SE	ESE	ESE	ESE	ESE	SSE
	SE	S	SSE	SE	ESE	SE	SE	SE	SSE	SE	ESE	SE	ESE	SE	ESE	SE	ESE	ESE	SSE
	SSE	SSE	SSE	SSE	SSE	SSE	SSE	ESE	ESE	SE	ESE	SE	SE	SE	ESE	SE	ESE	ESE	SSE
	SSE	SSE	SSE	SSE	SSW	S	WSW	SSE	SE	ESE	ESE	SE	ESE	SE	ESE	SE	ESE	SE	SSE
	S	S	SSW	SSE	SW	SSW	WSW	SSE	S	S	SE	SSE	SSE	SSE	S	SE	SE	SE	SSE
	WSW	WSW	W	SW	SW	SW	WSW	SW	SW	S	SSE	S	S	SSW	SSW	SSW	S	S	SSW
	WSW	SW	W	SW	WSW	WSW	WSW	WSW	SW	SSW	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW
	WSW	SW	W	SW	WSW	WSW	SW	WSW	SW	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
	WSW	WSW	W	SW	WSW	SW	WSW	SW	SW	S	SSW	SSW	SSW	SSW	WSW	WSW	SSW	SSW	SSW
	WSW	W	SSW	WSW	W	SW	WSW	SW	SW	SSW	SSW	SSW	S	SW	SW	SSW	SSW	SSW	SSW
	SW	W	SSW	WSW	SW	S	SW	SW	SW	S	SSW	S	SSW	SW	SSW	S	SSW	SSW	SSW
	SSW	W	SW	S	SSW	S	SW	SW	SSW	S	S	S	S	SSW	S	S	S	S	SSW
	SSW	SW	S	SSW	S	SSE	SW	SSE	S	S	SSE	S	SSW	SE	S	S	S	S	SSW
	S	SE	SSE	SSE	SE	ESE	SSE	SSE	SSE	S	S	S	S	ESE	SE	SE	S	SE	SSE
	SSE	SSE	SSE	SSE	SE	ESE	SSE	ESE	SE	S	S	SSE	SSW	SE	SSE	S	SE	SE	SSE
	SE	SE	SSE	SSE	S	SSE	SSE	E	SSE	S	SE	S	SSE	ESE	SSE	SE	S	SE	SSE
	SSE	SSE	SSE	SSE	SSE	SSE	SE	E	SE	SSE	SSE	SE	SSE	SE	ESE	SE	SSE	SSE	SSE
	SE	SSE	SSE	SSE	ESE	ESE	SE	SE	SE	SSE	S	SE	SE	SE	ESE	ESE	SE	SE	SSE



ra, departamento de



8.6  
31.4

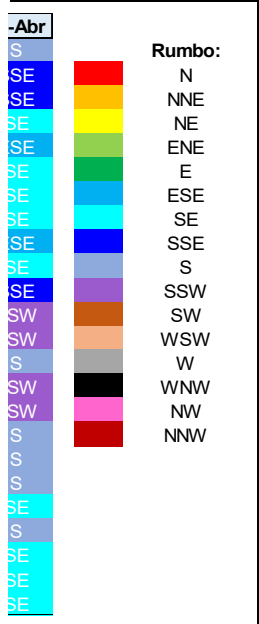




Tabla 3.1. Concentraciones horarias de SO<sub>2</sub>

**TÍTULO DEL ESTUDIO:** Evaluación ambiental de seguimiento de la calidad del aire en el área de influencia de la Refinería Talara, ubicada en el distrito de Paríñas, provincia de Talara, departamento de Piura, en mayo de 2021

**ESTACIÓN DE MONITOREO:** CA-TA-01 **CÓDIGO DE ACCIÓN:** 0002-5-2021-414

**DATOS DEL EQUIPO**

**EQUIPO:** Analizador automático de gases

**MARCA:** Thermo Scientific

**MODELO:** 450i

**SERIE:** 1009241444

Hora/Día	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
00:00	5.7	5.7	5.5	5.3	5.6	6.0	5.0	5.1	4.5	4.7	4.9	4.6	4.9	5.4	5.5	5.8	6.0	5.8	6.0	5.1	7.6	7.6	8.0	8.2	8.3	8.3	8.6	8.6	7.8	8.2	8.1
01:00	5.3	5.7	5.2	5.3	5.7	6.1	5.0	5.1	4.6	4.6	5.3	5.0	5.3	5.6	5.6	5.8	5.7	5.9	5.4	5.5	7.7	7.8	8.3	8.5	8.2	8.5	8.5	8.3	7.9	8.2	8.3
02:00	5.0	5.3	5.2	5.5	6.3	6.1	5.3	5.1	4.6	5.1	4.9	4.6	5.5	5.5	5.3	5.8	5.9	6.0	6.1	5.1	7.6	7.6	8.2	8.5	8.1	8.6	8.5	7.6	7.9	7.9	8.3
03:00	5.2	5.6	5.2	5.5	6.0	6.0	5.5	5.1	4.5	5.6	4.9	4.5	5.6	4.9	5.5	6.0	5.9	6.2	6.3	5.9	7.4	8.3	8.3	8.8	8.2	8.5	8.0	8.3	7.6	8.0	7.9
04:00	5.6	5.3	5.0	5.3	5.9	5.6	5.8	5.8	4.8	5.2	4.8	4.6	5.8	5.1	5.4	6.0	5.9	6.5	6.3	6.0	6.8	9.2	8.5	8.3	8.0	8.6	8.2	7.8	7.8	8.0	7.9
05:00	5.3	5.2	4.9	5.4	6.1	5.8	5.5	5.4	5.0	4.8	4.6	4.4	5.1	5.1	6.2	5.8	5.9	6.7	6.5	5.7	7.2	8.2	8.6	8.4	8.8	8.7	8.0	7.7	7.6	7.8	7.9
06:00	5.2	4.9	5.3	5.4	6.3	6.0	5.5	5.3	5.4	5.0	4.5	5.0	6.0	6.7	7.1	5.8	6.0	6.7	7.1	6.0	7.9	7.8	9.0	8.4	9.9	8.9	8.5	7.9	7.8	8.4	8.3
07:00	5.7	5.3	5.2	5.5	6.3	6.3	5.7	5.2	4.9	5.2	5.1	4.7	6.5	6.0	6.5	5.8	6.5	6.7	6.0	6.4	7.9	8.3	9.3	8.5	10.3	9.1	8.5	8.5	8.2	8.8	7.9
08:00	5.7	5.3	5.2	5.6	6.4	5.9	5.7	5.0	4.7	5.1	5.0	6.4	5.5	6.1	5.8	5.7	5.7	6.5	6.1	6.3	7.8	8.7	9.0	8.3	9.9	8.9	8.3	8.3	8.1	8.9	7.9
09:00	5.7	4.9	5.3	5.7	6.5	6.1	5.9	4.8	4.5	4.9	4.9	4.9	5.6	5.5	6.2	5.8	6.0	6.3	6.6	5.9	7.8	8.7	9.3	8.6	9.2	8.8	8.7	8.7	8.4	8.6	7.6
10:00	5.2	4.8	5.6	7.6	22.0	6.3	5.8	4.7	4.3	4.8	4.6	4.5	5.2	5.5	6.1	5.6	6.2	6.3	5.7	5.7	7.8	9.0	9.1	8.5	9.0	8.8	8.7	8.3	8.4	8.4	7.7
11:00	5.7	6.0	5.7	24.6	36.8	6.2	6.0	5.1	4.4	4.9	4.9	7.8	5.4	12.6	6.5	5.8	6.2	6.0	5.6	6.1	7.9	8.9	8.6	8.5	14.9	8.8	8.9	8.5	8.7	8.5	7.9
12:00	6.2	10.4	5.6	19.7	29.8	6.4	6.1	5.5	6.9	5.1	4.9	12.3	16.9	18.6	6.6	6.1	11.2	6.1	8.4	6.2	8.0	8.5	9.0	9.1	24.4	9.4	11.3	8.3	8.6	9.5	8.3
13:00	12.7	8.4	6.3	20.4	23.0	9.1	6.3	5.5	17.3	5.2	5.1	13.8	29.3	14.0	6.8	6.1	13.2	6.4	8.6	6.3	8.2	8.8	8.8	9.3	17.8	13.0	13.0	8.5	8.8	10.4	8.8
14:00	13.7	7.9	21.7	19.6	22.2	7.6	6.7	5.7	13.9	5.4	5.1	11.3	26.9	9.1	6.3	6.2	21.8	6.5	7.4	6.1	7.9	9.3	17.0	9.5	15.3	16.3	12.0	8.4	8.9	9.2	9.0
15:00	10.2	7.1	16.8	16.4	16.4	7.2	6.8	5.5	11.1	5.5	5.3	9.8	17.8	8.4	6.4	12.8	14.0	6.6	16.1	6.1	8.4	9.3	17.5	11.0	13.3	13.4	10.4	8.4	9.5	9.2	8.8
16:00	7.2	6.4	12.4	16.7	17.6	7.0	6.4	5.5	13.7	5.5	5.2	12.4	17.0	7.6	6.3	12.8	11.0	10.1	19.3		8.6	9.1	13.9	10.5	12.8	11.0	9.6	8.4	9.4	9.1	8.8
17:00	6.9	6.3	8.9	15.1	12.3	6.8	6.2	5.4	9.7	5.2	5.4	10.1	10.6	6.7	6.0	8.3	9.3	10.7	13.3		8.8	8.8	10.2	9.9	13.6	10.0	9.5	8.3	9.3	9.0	8.9
18:00	5.7	6.1	7.2	9.1	9.0	5.8	6.2	5.1	6.6	5.3	4.7	7.6	8.1	6.1	6.2	6.9	8.3	9.3	10.2		8.7	8.7	9.6	9.5	12.1	9.7	9.4	8.1	8.8	8.9	8.7
19:00	6.0	5.8	6.5	7.6	7.7	5.8	5.8	4.9	5.7	5.2	4.8	6.2	6.6	5.9	6.1	6.3	7.0	7.5	8.2	7.8	8.7	8.8	9.0	9.0	10.6	9.1	8.9	8.2	8.4	8.7	8.6
20:00	6.1	5.4	5.8	6.7	6.9	5.7	5.6	4.9	5.2	5.0	4.9	5.5	5.9	5.6	6.1	6.2	6.8	6.5	7.1	8.0	8.5	8.6	8.9	8.8	9.6	8.7	8.8	8.0	8.2	8.6	8.7
21:00	5.3	5.5	5.5	6.1	6.4	5.1	5.0	4.9	4.9	4.9	4.8	5.3	5.7	5.3	6.1	5.8	6.4	6.3	6.7	7.3	8.5	8.3	8.5	8.3	9.2	8.9	8.3	8.1	8.4	8.4	8.6
22:00	5.0	5.3	5.5	6.0	6.4	5.2	5.0	4.7	4.9	5.1	4.5	5.1	5.5	5.4	6.1	5.8	6.2	5.9	5.9	7.1	8.6	8.5	8.6	8.2	9.1	8.7	8.2	8.0	8.2	8.2	8.3
23:00	5.2	5.6	5.4	5.6	6.1	5.2	4.8	4.7	4.9	4.7	4.8	4.9	5.2	5.3	5.8	5.8	6.1	5.8	5.3	7.1	7.7	8.6	8.6	8.4	8.4	8.7	8.6	7.8	8.2	8.0	8.5
Promedio de SO <sub>2</sub> en 24 h	6.5	6.0	7.1	9.8	11.8	6.2	5.7	5.2	6.7	5.1	4.9	6.8	9.3	7.1	6.1	6.6	8.0	6.8	7.9	6.3	8.0	8.6	9.7	8.9	11.2	9.6	9.1	8.2	8.3	8.6	8.3
<b>ECA aire de SO<sub>2</sub></b>	<b>250 µg/m<sup>3</sup> en periodo de 24 horas</b>																														

Observación:

SD: Sin data

VF: Verificación de equipo analizador.

ID: Verificación de datos para calcular promedio (menor del 75%), dato no calculado por no cumplir con la mínima suficiencia de datos (45 minutos o 18 horas)

Nota: Se realizó el cambio y la verificación del equipo analizador Thermo Scientific 450i del 25 de febrero desde las 15:55 horas hasta el 26 hasta las 15:10 horas

6.5 6.0 7.1 9.8 11.8 6.2 5.7 5.2 6.7 5.1 4.9 6.8 9.3 7.1 6.1 6.6 8.0 6.8 7.9 6.3 8.0 8.6 9.7 8.9 11.2 9.6 9.1 8.2 8.3 8.6 8.3



**Tabla 3.2. Datos Meteorológicos**

**TÍTULO DEL ESTUDIO:** Evaluación ambiental de seguimiento de la calidad del aire en el área de influencia de la Refinería Talara, ubicada en el distrito de Paríñas, provincia de Talara, departamento de Piura, en mayo de 2021

**ESTACIÓN DE MONITOREO:** CA-TA-01      **CÓDIGO DE ACCIÓN:** 0002-5-2021-414

**DATOS DEL EQUIPO**

**EQUIPO:** Estación meteorológica      **MARCA:** Campbell Scientific  
**MODELO:** CR1000      **SERIE:** 30824

FECHA Y HORA	Presión atmosférica (mmHg)	Precipitación (mm)	Temperatura ambiental (°C)	Humedad relativa (%)	Velocidad de Viento (m/s)	Dirección de Viento (°)
1/05/2021 00:00	761.7	0.0	23.4	72.1	0.7	148.3
1/05/2021 01:00	761.5	0.0	23.1	72.7	0.7	147.8
1/05/2021 02:00	761.0	0.0	22.8	72.7	0.5	152.1
1/05/2021 03:00	760.5	0.0	22.7	72.2	0.5	164.6
1/05/2021 04:00	760.7	0.0	22.3	74.0	0.5	114.2
1/05/2021 05:00	761.2	0.0	22.3	74.1	0.8	120.4
1/05/2021 06:00	761.5	0.0	21.5	78.2	0.9	119.1
1/05/2021 07:00	762.0	0.0	21.6	78.4	0.9	118.8
1/05/2021 08:00	762.5	0.0	22.6	75.2	0.9	123.7
1/05/2021 09:00	762.4	0.0	24.3	70.0	1.1	120.4
1/05/2021 10:00	762.0	0.0	25.9	60.8	1.4	110.5
1/05/2021 11:00	761.8	0.0	28.8	55.5	1.1	159.5
1/05/2021 12:00	761.2	0.0	29.9	52.5	1.5	175.1
1/05/2021 13:00	760.5	0.0	27.8	58.0	2.4	224.2
1/05/2021 14:00	759.9	0.0	27.0	59.9	2.5	207.6
1/05/2021 15:00	759.5	0.0	24.1	69.3	2.4	211.5
1/05/2021 16:00	759.5	0.0	24.4	68.2	2.2	215.8
1/05/2021 17:00	759.7	0.0	24.3	65.7	1.9	186.2
1/05/2021 18:00	760.4	0.0	22.8	70.6	1.2	195.0
1/05/2021 19:00	760.9	0.0	22.0	74.6	0.9	115.7
1/05/2021 20:00	761.0	0.0	21.5	76.8	1.0	117.6
1/05/2021 21:00	761.3	0.0	21.5	76.7	0.9	127.2
1/05/2021 22:00	761.5	0.0	22.1	73.9	0.5	164.7
1/05/2021 23:00	761.5	0.0	22.8	70.1	1.0	129.0
2/05/2021 00:00	761.1	0.0	23.0	67.9	1.6	123.7
2/05/2021 01:00	760.6	0.0	22.7	68.3	1.4	126.5
2/05/2021 02:00	760.1	0.0	23.0	67.4	1.3	122.2
2/05/2021 03:00	760.0	0.0	22.8	67.6	1.3	124.2
2/05/2021 04:00	760.0	0.0	22.4	68.3	0.9	138.9
2/05/2021 05:00	760.0	0.0	22.0	69.2	1.0	120.4
2/05/2021 06:00	760.0	0.0	21.8	69.7	1.1	137.3
2/05/2021 07:00	760.7	0.0	22.7	67.0	1.5	127.2
2/05/2021 08:00	761.0	0.0	24.5	61.3	1.7	121.0
2/05/2021 09:00	761.5	0.0	26.6	55.6	1.3	135.8
2/05/2021 10:00	761.5	0.0	28.4	52.0	1.1	167.1
2/05/2021 11:00	761.4	0.0	25.7	61.9	3.2	231.4
2/05/2021 12:00	760.7	0.0	25.8	60.7	2.6	226.3
2/05/2021 13:00	760.1	0.0	24.8	64.3	2.4	216.2
2/05/2021 14:00	759.9	0.0	23.3	70.4	2.3	217.7
2/05/2021 15:00	759.5	0.0	23.3	69.9	2.5	211.8
2/05/2021 16:00	759.8	0.0	23.2	72.2	2.2	216.4
2/05/2021 17:00	760.5	0.0	22.5	77.8	2.2	190.1
2/05/2021 18:00	761.2	0.0	21.7	82.7	2.1	177.3
2/05/2021 19:00	761.9	0.0	20.9	86.7	1.6	181.1
2/05/2021 20:00	762.1	0.0	20.6	89.3	1.0	118.2
2/05/2021 21:00	762.7	0.0	20.6	89.6	1.3	126.0
2/05/2021 22:00	763.0	0.0	21.4	86.4	1.2	132.5
2/05/2021 23:00	763.0	0.0	22.3	82.5	0.7	143.0
3/05/2021 00:00	763.0	0.0	22.7	79.3	1.1	139.7
3/05/2021 01:00	762.3	0.0	22.5	79.5	1.4	116.4
3/05/2021 02:00	762.0	0.0	22.5	78.8	1.4	114.3
3/05/2021 03:00	761.5	0.0	22.5	79.1	1.5	125.2
3/05/2021 04:00	761.5	0.0	22.3	79.8	1.4	133.5
3/05/2021 05:00	761.8	0.0	22.4	79.8	0.9	131.2
3/05/2021 06:00	762.0	0.0	22.4	79.7	1.4	127.5
3/05/2021 07:00	762.1	0.0	23.1	77.0	1.4	114.9
3/05/2021 08:00	762.5	0.0	24.0	72.7	1.8	124.0
3/05/2021 09:00	762.5	0.0	25.6	67.1	1.9	121.4
3/05/2021 10:00	762.2	0.0	27.0	61.6	1.4	125.0
3/05/2021 11:00	762.0	0.0	28.3	57.2	1.2	131.7
3/05/2021 12:00	761.2	0.0	29.6	53.1	1.4	141.5
3/05/2021 13:00	760.4	0.0	30.3	51.0	1.6	181.7
3/05/2021 14:00	759.9	0.0	27.8	59.1	2.5	226.7
3/05/2021 15:00	759.5	0.0	26.1	64.0	2.1	215.6
3/05/2021 16:00	759.5	0.0	23.4	73.1	2.3	196.3
3/05/2021 17:00	759.8	0.0	23.4	71.8	2.0	181.8
3/05/2021 18:00	760.2	0.0	23.8	73.3	1.0	168.4
3/05/2021 19:00	760.8	0.0	21.7	77.2	1.0	123.8
3/05/2021 20:00	761.0	0.0	21.5	78.3	0.8	158.4
3/05/2021 21:00	761.4	0.0	22.0	75.8	0.8	151.6
3/05/2021 22:00	761.8	0.0	22.5	72.4	0.6	179.8
3/05/2021 23:00	761.9	0.0	22.9	69.9	0.7	138.8
4/05/2021 00:00	761.5	0.0	23.0	67.8	1.1	134.6
4/05/2021 01:00	761.3	0.0	22.6	68.8	1.0	136.4
4/05/2021 02:00	760.6	0.0	22.3	69.5	0.9	174.4
4/05/2021 03:00	760.5	0.0	21.9	70.8	1.0	183.8
4/05/2021 04:00	760.0	0.0	21.5	71.6	0.9	171.4
4/05/2021 05:00	760.0	0.0	21.1	73.2	1.2	123.2
4/05/2021 06:00	760.2	0.0	20.8	74.3	1.3	126.9
4/05/2021 07:00	760.6	0.0	21.4	71.9	1.4	129.9
4/05/2021 08:00	761.3	0.0	22.6	68.3	1.1	151.5
4/05/2021 09:00	761.5	0.0	24.1	64.1	1.1	180.7
4/05/2021 10:00	761.2	0.0	25.3	62.8	2.0	220.9
4/05/2021 11:00	761.0	0.0	23.0	73.1	3.3	230.8
4/05/2021 12:00	760.6	0.0	23.3	71.8	3.3	229.0
4/05/2021 13:00	760.0	0.0	22.5	75.4	3.1	229.5
4/05/2021 14:00	759.3	0.0	22.8	74.9	2.6	223.7
4/05/2021 15:00	759.0	0.0	23.0	73.9	2.7	226.5
4/05/2021 16:00	759.0	0.0	23.4	72.9	2.3	233.8
4/05/2021 17:00	759.3	0.0	23.7	69.9	1.3	199.7
4/05/2021 18:00	759.8	0.0	22.3	73.8	1.2	188.2
4/05/2021 19:00	760.4	0.0	21.4	76.7	0.8	140.8
4/05/2021 20:00	761.0	0.0	20.7	82.8	0.8	185.2
4/05/2021 21:00	761.2	0.0	20.5	83.7	0.8	134.0
4/05/2021 22:00	761.5	0.0	20.8	82.5	0.5	114.4
4/05/2021 23:00	761.5	0.0	21.8	75.5	1.0	124.0
5/05/2021 00:00	761.2	0.0	22.1	72.1	1.2	127.0
5/05/2021 01:00	760.8	0.0	22.0	73.1	1.1	130.6
5/05/2021 02:00	760.2	0.0	21.8	73.7	1.1	118.3
5/05/2021 03:00	760.0	0.0	21.7	74.4	0.9	158.8
5/05/2021 04:00	760.4	0.0	21.4	75.7	0.9	148.0
5/05/2021 05:00	761.0	0.0	21.1	77.5	0.9	120.1
5/05/2021 06:00	761.2	0.0	20.8	79.0	1.3	130.5
5/05/2021 07:00	761.8	0.0	20.9	79.8	1.1	133.5
5/05/2021 08:00	762.2	0.0	22.7	74.1	0.6	90.9

5	5/05/2021 09:00	762.3	0.0	24.4	67.8	0.7	174.0
	5/05/2021 10:00	762.0	0.0	25.1	66.6	2.7	241.3
	5/05/2021 11:00	761.7	0.0	24.7	67.5	2.6	236.4
	5/05/2021 12:00	761.5	0.0	24.2	70.4	2.5	228.3
	5/05/2021 13:00	761.1	0.0	23.7	72.4	2.8	232.7
	5/05/2021 14:00	760.3	0.0	23.7	73.0	2.4	225.8
	5/05/2021 15:00	760.0	0.0	23.7	73.4	2.5	229.1
	5/05/2021 16:00	759.8	0.0	23.3	75.9	2.2	226.3
	5/05/2021 17:00	760.1	0.0	23.0	75.1	1.1	194.3
	5/05/2021 18:00	760.6	0.0	22.8	73.9	0.8	151.2
	5/05/2021 19:00	761.0	0.0	22.6	74.0	0.8	173.3
	5/05/2021 20:00	761.2	0.0	22.4	74.8	0.7	161.6
	5/05/2021 21:00	761.8	0.0	22.3	75.5	0.8	123.4
	5/05/2021 22:00	762.0	0.0	22.2	77.3	0.8	169.7
	5/05/2021 23:00	762.0	0.0	22.3	76.2	0.8	117.6
	6/05/2021 00:00	761.9	0.0	22.6	72.4	1.4	123.4
	6/05/2021 01:00	761.5	0.0	22.2	74.2	1.4	121.8
	6/05/2021 02:00	760.8	0.0	21.9	74.6	1.7	124.5
	6/05/2021 03:00	760.5	0.0	21.8	75.0	1.6	130.6
	6/05/2021 04:00	760.5	0.0	21.8	74.6	1.4	127.0
	6/05/2021 05:00	760.6	0.0	21.8	74.2	1.2	126.9
	6/05/2021 06:00	761.1	0.0	22.1	72.6	1.4	126.9
	6/05/2021 07:00	761.5	0.0	22.5	70.7	1.3	120.9
6/05/2021 08:00	762.1	0.0	23.1	68.6	1.6	122.8	
6/05/2021 09:00	762.5	0.0	23.8	67.3	1.2	142.9	
6/05/2021 10:00	762.1	0.0	24.4	66.2	1.1	146.7	
6/05/2021 11:00	761.8	0.0	25.6	62.9	1.2	162.9	
6/05/2021 12:00	761.1	0.0	26.9	59.1	1.7	180.8	
6/05/2021 13:00	760.3	0.0	25.9	65.1	2.6	223.7	
6/05/2021 14:00	759.7	0.0	27.1	58.5	2.3	198.6	
6/05/2021 15:00	758.5	0.0	26.4	60.2	2.7	195.1	
6/05/2021 16:00	759.5	0.0	25.4	63.1	2.1	181.4	
6/05/2021 17:00	759.8	0.0	24.8	64.0	1.4	178.3	
6/05/2021 18:00	760.3	0.0	24.1	67.4	0.9	181.7	
6/05/2021 19:00	761.1	0.0	23.3	72.9	0.7	137.9	
6/05/2021 20:00	761.6	0.0	23.3	72.8	0.7	132.5	
6/05/2021 21:00	761.7	0.0	23.8	68.2	0.6	184.5	
6/05/2021 22:00	762.0	0.0	23.8	67.3	0.7	163.0	
6/05/2021 23:00	762.0	0.0	23.9	65.7	1.2	132.7	
7/05/2021 00:00	761.7	0.0	23.8	66.5	0.9	148.4	
7/05/2021 01:00	761.5	0.0	23.4	68.1	0.7	120.6	
7/05/2021 02:00	761.0	0.0	23.3	67.9	0.7	139.4	
7/05/2021 03:00	760.5	0.0	23.0	68.6	0.8	129.1	
7/05/2021 04:00	760.5	0.3	22.4	71.8	0.8	166.1	
7/05/2021 05:00	760.5	0.0	21.7	76.4	0.6	113.6	
7/05/2021 06:00	760.8	0.0	21.5	75.5	0.9	183.3	
7/05/2021 07:00	761.4	0.0	20.8	79.5	1.2	149.3	
7/05/2021 08:00	761.8	0.0	21.3	77.2	1.3	132.6	
7/05/2021 09:00	762.0	0.0	22.0	74.2	1.1	122.8	
7/05/2021 10:00	761.7	0.0	23.4	70.4	1.1	205.0	
7/05/2021 11:00	761.3	0.0	24.6	66.7	2.3	180.8	
7/05/2021 12:00	760.9	0.0	25.0	64.7	3.0	182.5	
7/05/2021 13:00	760.2	0.0	25.8	62.0	2.8	188.5	
7/05/2021 14:00	759.5	0.0	26.1	61.4	2.6	189.1	
7/05/2021 15:00	759.0	0.0	25.2	63.4	3.1	195.9	
7/05/2021 16:00	759.0	0.0	24.7	64.6	2.8	187.1	
7/05/2021 17:00	759.2	0.0	23.8	67.3	2.8	182.5	
7/05/2021 18:00	759.8	0.0	22.6	72.5	2.5	187.5	
7/05/2021 19:00	760.6	0.0	22.1	74.8	2.0	181.8	
7/05/2021 20:00	761.2	0.0	22.0	74.7	1.3	194.9	
7/05/2021 21:00	761.8	0.0	22.2	72.6	1.2	181.3	
7/05/2021 22:00	762.0	0.0	22.2	70.7	0.8	184.2	
7/05/2021 23:00	761.7	0.0	22.0	69.4	0.9	107.2	
8/05/2021 00:00	761.4	0.0	21.6	69.3	1.0	139.6	
8/05/2021 01:00	760.9	0.0	21.6	69.0	1.5	127.1	
8/05/2021 02:00	760.2	0.0	21.6	69.6	1.3	149.0	
8/05/2021 03:00	760.0	0.0	21.4	71.3	1.1	135.3	
8/05/2021 04:00	759.9	0.0	21.3	72.4	1.1	124.9	
8/05/2021 05:00	759.9	0.0	21.2	73.4	1.1	140.0	
8/05/2021 06:00	760.2	0.0	20.8	74.7	1.4	181.5	
8/05/2021 07:00	760.5	0.0	21.0	74.5	1.0	180.7	
8/05/2021 08:00	760.9	0.0	22.2	71.4	1.3	188.2	
8/05/2021 09:00	761.0	0.0	23.2	69.3	1.3	168.2	
8/05/2021 10:00	760.6	0.0	24.8	65.5	1.6	184.3	
8/05/2021 11:00	760.4	0.0	25.4	64.0	2.2	189.2	
8/05/2021 12:00	759.6	0.0	25.6	62.5	2.6	197.7	
8/05/2021 13:00	759.0	0.0	25.8	61.9	2.7	188.0	
8/05/2021 14:00	758.6	0.0	24.9	66.1	2.6	209.5	
8/05/2021 15:00	758.5	0.0	24.3	69.7	2.7	214.1	
8/05/2021 16:00	758.5	0.0	23.9	69.7	2.3	193.5	
8/05/2021 17:00	759.0	0.0	23.2	70.3	1.9	186.5	
8/05/2021 18:00	759.6	0.0	22.1	75.4	1.4	180.9	
8/05/2021 19:00	760.0	0.0	21.6	78.9	1.1	195.3	
8/05/2021 20:00	760.3	0.0	21.7	79.0	1.4	182.7	
8/05/2021 21:00	760.9	0.0	22.0	75.8	1.1	189.5	
8/05/2021 22:00	761.0	0.0	22.3	72.0	0.9	181.0	
8/05/2021 23:00	760.5	0.0	22.2	69.5	1.1	144.1	
9/05/2021 00:00	760.2	0.0	21.6	71.8	1.0	121.6	
9/05/2021 01:00	759.6	0.0	21.0	75.3	1.4	137.9	
9/05/2021 02:00	759.4	0.0	20.5	78.6	1.1	144.2	
9/05/2021 03:00	759.0	0.0	20.0	80.9	1.1	128.9	
9/05/2021 04:00	759.0	0.0	19.9	80.7	1.6	129.3	
9/05/2021 05:00	759.0	0.0	19.6	80.6	1.6	125.8	
9/05/2021 06:00	759.5	0.0	19.5	80.9	1.6	128.5	
9/05/2021 07:00	759.5	0.0	20.0	79.8	1.1	145.5	
9/05/2021 08:00	759.8	0.0	21.4	74.8	1.3	179.6	
9/05/2021 09:00	760.0	0.0	23.0	69.7	1.4	189.9	
9/05/2021 10:00	759.5	0.0	25.3	63.1	1.6	155.3	
9/05/2021 11:00	759.2	0.0	26.5	60.0	1.6	192.7	
9/05/2021 12:00	758.7	0.0	26.6	60.9	2.2	209.5	
9/05/2021 13:00	758.2	0.0	23.7	72.8	3.6	225.9	
9/05/2021 14:00	758.0	0.0	23.1	75.5	3.4	232.7	
9/05/2021 15:00	757.6	0.0	22.2	79.2	3.1	230.8	
9/05/2021 16:00	757.9	0.0	22.3	78.4	2.3	224.4	
9/05/2021 17:00	758.2	0.0	22.1	77.7	2.0	212.5	
9/05/2021 18:00	758.9	0.0	21.2	80.2	1.8	187.9	
9/05/2021 19:00	759.2	0.0	20.5	83.8	1.2	167.5	
9/05/2021 20:00	759.5	0.0	20.5	84.2	1.2	188.3	
9/05/2021 21:00	759.7	0.0	20.5	83.9	1.1	187.1	
9/05/2021 22:00	759.8	0.0	20.3	84.7	0.6	150.1	
9/05/2021 23:00	759.5	0.0	20.6	80.6	0.9	135.9	
10/05/2021 00:00	759.5	0.0	20.2	78.1	1.7	122.9	
10/05/2021 01:00	759.0	0.0	20.0	78.8	1.8	125.4	
10/05/2021 02:00	758.8	0.0	19.8	79.7	1.9	121.6	
10/05/2021 03:00	758.5	0.0	19.5	80.7	1.8	137.0	
10/05/2021 04:00	758.5	0.0	19.2	82.0	1.9	129.0	
10/05/2021 05:00	758.5	0.0	19.0	83.7	1.8	130.5	
10/05/2021 06:00	758.7	0.0	19.0	82.8	2.1	126.4	
10/05/2021 07:00	759.2	0.0	19.5	80.8	2.2	127.5	
10/05/2021 08:00	759.5	0.0	20.6	78.8	2.1	128.8	
10/05/2021 09:00	759.7	0.0	21.9	72.5	1.7	128.9	
10/05/2021 10:00	759.7	0.0	23.9	66.0	1.4	170.8	
10/05/2021 11:00	759.1	0.0	25.7	60.4	1.4	167.5	
10/05/2021 12:00	758.5	0.0	26.2	59.6	1.8	189.3	
10/05/2021 13:00	757.9	0.0	25.6	61.3	2.6	192.2	
10/05/2021 14:00	757.4	0.0	25.1	62.2	2.4	192.0	
10/05/2021 15:00	757.0	0.0	24.8	64.2	2.3	198.1	
10/05/2021 16:00	757.0	0.0	24.0	66.7	2.4	195.8	
10/05/2021 17:00	757.4	0.0	23.2	67.3	2.2	186.5	
10/05/2021 18:00	758.1	0.0	22.1	70.8	1.6	181.6	
10/05/2021 19:00	758.9	0.0	21.6	74.7	0.8	179.6	
10/05/2021 20:00	759.5	0.0	21.3	75.4	0.8	153.4	

	10/05/2021 21:00	760.0	0.0	20.9	77.7	0.8	158.2
	10/05/2021 22:00	760.3	0.0	20.6	80.8	0.7	150.4
	10/05/2021 23:00	760.5	0.0	20.7	77.2	1.0	137.5
	11/05/2021 00:00	760.0	0.0	20.9	71.6	1.7	119.8
	11/05/2021 01:00	760.0	0.0	20.6	71.6	2.0	128.7
	11/05/2021 02:00	759.5	0.0	20.2	73.2	1.9	125.0
	11/05/2021 03:00	759.5	0.0	19.9	75.0	2.0	131.3
	11/05/2021 04:00	759.7	0.0	19.5	77.5	1.8	133.1
	11/05/2021 05:00	760.0	0.0	19.0	79.9	1.4	139.5
	11/05/2021 06:00	760.0	0.0	18.6	82.0	2.0	121.7
	11/05/2021 07:00	760.0	0.0	19.1	80.6	2.2	119.2
	11/05/2021 08:00	760.1	0.0	20.6	75.0	2.4	125.6
	11/05/2021 09:00	760.2	0.0	22.5	68.0	2.0	116.8
	11/05/2021 10:00	759.7	0.0	24.5	60.0	1.9	117.3
	11/05/2021 11:00	759.2	0.0	26.6	55.4	1.7	135.6
	11/05/2021 12:00	758.5	0.0	26.8	54.5	1.9	189.6
	11/05/2021 13:00	757.9	0.0	26.8	53.6	2.8	192.1
	11/05/2021 14:00	757.2	0.0	26.6	52.1	2.9	188.0
	11/05/2021 15:00	756.7	0.0	25.4	56.9	3.0	185.2
	11/05/2021 16:00	756.9	0.0	24.5	59.6	3.1	187.0
	11/05/2021 17:00	757.3	0.0	23.4	62.6	3.2	185.5
	11/05/2021 18:00	758.0	0.0	22.2	68.5	1.8	177.9
	11/05/2021 19:00	758.4	0.0	21.8	70.0	1.0	177.9
	11/05/2021 20:00	759.0	0.0	21.4	73.4	1.0	175.9
	11/05/2021 21:00	759.3	0.0	21.3	73.2	0.8	163.3
	11/05/2021 22:00	759.5	0.0	21.1	74.0	0.8	151.2
	11/05/2021 23:00	759.5	0.0	21.5	67.4	1.1	125.8
	12/05/2021 00:00	759.2	0.0	21.4	67.2	1.4	133.8
	12/05/2021 01:00	758.8	0.0	20.5	72.4	0.9	165.5
	12/05/2021 02:00	758.5	0.0	20.0	74.3	0.9	155.0
	12/05/2021 03:00	758.2	0.0	19.7	75.9	0.9	170.9
	12/05/2021 04:00	758.3	0.0	19.4	79.0	1.0	162.5
	12/05/2021 05:00	758.5	0.0	19.0	79.2	1.1	143.5
	12/05/2021 06:00	758.9	0.0	18.7	80.7	1.1	132.3
	12/05/2021 07:00	759.3	0.0	19.3	80.3	1.2	122.9
	12/05/2021 08:00	759.7	0.0	20.8	75.4	1.3	124.2
	12/05/2021 09:00	760.0	0.0	22.7	69.4	0.9	106.1
	12/05/2021 10:00	759.8	0.0	25.1	61.8	1.1	180.8
	12/05/2021 11:00	759.3	0.0	24.4	67.9	2.5	228.0
	12/05/2021 12:00	758.7	0.0	23.1	73.5	2.9	223.6
	12/05/2021 13:00	759.2	0.0	22.6	74.3	3.0	227.3
	12/05/2021 14:00	757.8	0.0	22.8	73.8	3.0	228.4
	12/05/2021 15:00	757.5	0.0	22.2	77.2	2.8	228.0
	12/05/2021 16:00	757.5	0.0	22.0	78.4	2.4	232.1
	12/05/2021 17:00	757.9	0.0	21.5	80.0	2.1	227.0
	12/05/2021 18:00	758.5	0.0	20.7	82.0	1.5	189.8
	12/05/2021 19:00	759.0	0.0	20.3	84.0	1.1	164.3
	12/05/2021 20:00	759.4	0.0	20.0	85.2	0.7	140.4
	12/05/2021 21:00	759.9	0.0	19.9	85.4	0.7	131.7
	12/05/2021 22:00	760.0	0.0	19.8	85.5	0.6	166.8
	12/05/2021 23:00	760.0	0.0	19.8	85.9	0.4	158.3
	13/05/2021 00:00	759.8	0.0	20.2	83.2	1.0	125.2
	13/05/2021 01:00	759.4	0.0	20.6	78.9	1.3	113.2
	13/05/2021 02:00	758.9	0.0	20.8	75.8	1.3	133.4
	13/05/2021 03:00	759.5	0.0	20.7	75.6	1.6	117.8
	13/05/2021 04:00	758.2	0.0	20.4	75.3	1.9	130.1
	13/05/2021 05:00	758.4	0.0	20.1	76.0	2.0	131.3
	13/05/2021 06:00	758.8	0.0	19.7	78.6	1.4	117.3
	13/05/2021 07:00	759.2	0.0	20.1	78.2	1.5	125.9
	13/05/2021 08:00	759.6	0.0	22.3	71.2	1.4	133.8
	13/05/2021 09:00	760.0	0.0	24.0	65.5	1.4	181.7
	13/05/2021 10:00	760.0	0.0	25.5	61.7	1.7	199.0
	13/05/2021 11:00	760.0	0.0	26.1	61.0	1.7	192.1
	13/05/2021 12:00	759.6	0.0	23.9	70.4	3.2	232.4
	13/05/2021 13:00	759.0	0.0	23.5	71.6	2.8	228.6
	13/05/2021 14:00	758.5	0.0	23.5	71.3	2.0	224.1
	13/05/2021 15:00	758.1	0.0	22.9	73.3	2.1	211.2
	13/05/2021 16:00	758.0	0.0	22.0	76.0	2.3	228.0
	13/05/2021 17:00	758.5	0.0	22.0	74.8	2.1	187.7
	13/05/2021 18:00	758.8	0.0	21.2	78.6	1.4	190.1
	13/05/2021 19:00	759.5	0.0	20.7	81.3	1.3	190.7
	13/05/2021 20:00	759.9	0.0	20.5	82.4	1.6	186.7
	13/05/2021 21:00	760.0	0.0	20.3	83.8	1.5	179.7
	13/05/2021 22:00	760.4	0.0	20.1	84.9	1.3	183.7
	13/05/2021 23:00	760.5	0.0	20.1	85.1	1.3	181.6
	14/05/2021 00:00	759.9	0.0	20.2	84.8	0.9	184.0
	14/05/2021 01:00	759.4	0.0	20.5	83.0	0.7	165.4
	14/05/2021 02:00	759.0	0.0	20.8	80.0	0.7	179.5
	14/05/2021 03:00	758.7	0.0	20.9	78.9	1.0	182.8
	14/05/2021 04:00	758.9	0.0	20.8	79.3	0.9	171.8
	14/05/2021 05:00	759.2	0.0	20.6	80.6	0.7	174.2
	14/05/2021 06:00	759.5	0.0	20.4	80.5	0.9	186.3
	14/05/2021 07:00	759.8	0.0	20.7	79.5	0.7	161.6
	14/05/2021 08:00	760.0	0.0	22.0	74.8	1.3	183.4
	14/05/2021 09:00	760.0	0.0	23.7	68.8	1.2	162.0
	14/05/2021 10:00	760.0	0.0	25.2	64.7	1.3	191.5
	14/05/2021 11:00	759.5	0.0	23.9	71.1	2.9	230.6
	14/05/2021 12:00	759.2	0.0	23.1	74.7	3.0	229.2
	14/05/2021 13:00	758.8	0.0	22.5	77.1	2.9	203.8
	14/05/2021 14:00	758.4	0.0	21.5	80.6	2.7	195.0
	14/05/2021 15:00	758.0	0.0	22.1	78.9	2.5	211.8
	14/05/2021 16:00	758.0	0.0	22.2	77.0	2.0	198.1
	14/05/2021 17:00	758.7	0.0	21.3	79.8	1.8	179.1
	14/05/2021 18:00	759.3	0.0	20.7	82.5	1.5	183.0
	14/05/2021 19:00	759.8	0.0	20.6	82.6	0.9	168.5
	14/05/2021 20:00	760.4	0.0	20.5	82.6	1.3	191.5
	14/05/2021 21:00	760.9	0.0	20.4	83.2	1.1	182.7
	14/05/2021 22:00	761.0	0.0	20.5	83.6	0.9	184.7
	14/05/2021 23:00	761.0	0.0	20.9	81.9	0.7	177.7
	15/05/2021 00:00	760.8	0.0	21.3	79.4	0.7	156.4
	15/05/2021 01:00	760.5	0.0	21.3	77.7	0.9	119.7
	15/05/2021 02:00	760.4	0.0	20.7	81.0	0.9	137.9
	15/05/2021 03:00	760.0	0.0	20.6	81.6	1.3	132.5
	15/05/2021 04:00	760.0	0.0	20.4	82.5	1.5	126.4
	15/05/2021 05:00	760.0	0.0	20.2	83.4	1.5	128.2
	15/05/2021 06:00	760.0	0.0	20.1	83.3	1.4	122.1
	15/05/2021 07:00	760.5	0.0	20.6	80.6	1.3	127.0
	15/05/2021 08:00	760.5	0.0	22.0	76.9	1.0	116.3
	15/05/2021 09:00	760.5	0.0	24.9	67.9	0.8	161.4
	15/05/2021 10:00	760.1	0.0	26.7	62.0	1.1	179.5
	15/05/2021 11:00	759.6	0.0	27.2	59.9	2.0	188.5
	15/05/2021 12:00	758.8	0.0	26.6	60.6	2.1	184.2
	15/05/2021 13:00	758.1	0.0	26.4	60.3	2.7	182.5
	15/05/2021 14:00	757.4	0.0	25.5	62.7	2.7	178.6
	15/05/2021 15:00	757.0	0.0	24.3	67.4	3.0	190.8
	15/05/2021 16:00	757.0	0.0	23.6	69.4	2.3	186.0
	15/05/2021 17:00	757.5	0.0	22.7	72.3	2.1	176.9
	15/05/2021 18:00	757.8	0.0	22.3	73.8	1.2	186.8
	15/05/2021 19:00	758.2	0.0	21.6	78.0	1.2	185.4
	15/05/2021 20:00	758.9	0.0	21.2	81.4	0.9	161.4
	15/05/2021 21:00	759.3	0.0	21.3	80.8	0.9	183.4
	15/05/2021 22:00	759.8	0.0	21.4	79.2	1.1	187.9
	15/05/2021 23:00	760.0	0.0	21.5	77.6	0.9	179.2
	16/05/2021 00:00	760.0	0.0	21.9	72.9	1.1	175.4
	16/05/2021 01:00	759.8	0.0	21.7	73.0	1.3	121.8
	16/05/2021 02:00	759.5	0.0	21.2	75.6	1.4	121.5
	16/05/2021 03:00	759.5	0.0	21.0	75.8	1.1	116.8
	16/05/2021 04:00	759.5	0.0	21.0	75.1	1.0	144.3
	16/05/2021 05:00	759.9	0.0	20.9	75.5	0.7	171.6
	16/05/2021 06:00	760.5	0.0	20.7	76.8	0.9	188.6
	16/05/2021 07:00	761.2	0.0	20.6	80.4	1.2	177.3
	16/05/2021 08:00	761.7	0.0	21.4	77.7	0.9	174.5

16	16/05/2021 09:00	762.0	0.0	22.1	74.9	1.2	172.5
	16/05/2021 10:00	761.9	0.0	22.8	73.3	1.8	194.3
	16/05/2021 11:00	761.6	0.0	23.5	71.3	2.2	191.4
	16/05/2021 12:00	761.0	0.0	24.6	67.5	2.3	189.6
	16/05/2021 13:00	760.5	0.0	24.1	69.3	2.4	199.9
	16/05/2021 14:00	758.7	0.0	24.9	66.2	2.4	198.0
	16/05/2021 15:00	759.5	0.0	24.4	69.2	2.0	220.5
	16/05/2021 16:00	759.1	0.0	23.6	70.9	2.0	183.9
	16/05/2021 17:00	759.3	0.0	22.7	74.0	1.8	185.6
	16/05/2021 18:00	760.1	0.0	21.6	77.1	1.1	163.6
	16/05/2021 19:00	760.6	0.0	21.4	78.2	0.8	158.2
	16/05/2021 20:00	761.1	0.0	21.2	78.7	0.7	171.0
	16/05/2021 21:00	761.5	0.0	21.4	78.2	0.7	124.6
	16/05/2021 22:00	761.5	0.0	21.4	78.8	0.8	181.1
	16/05/2021 23:00	761.5	0.0	21.2	79.2	0.6	148.6
	17	17/05/2021 00:00	761.0	0.0	20.9	79.0	0.8
17/05/2021 01:00		760.5	0.0	20.9	78.4	1.0	180.8
17/05/2021 02:00		760.2	0.0	20.8	78.4	0.9	201.5
17/05/2021 03:00		760.0	0.0	20.7	77.5	0.8	160.7
17/05/2021 04:00		759.8	0.0	20.5	79.2	1.0	177.1
17/05/2021 05:00		759.9	0.0	20.3	79.4	1.1	135.9
17/05/2021 06:00		760.0	0.0	20.4	78.7	1.6	125.2
17/05/2021 07:00		760.4	0.0	21.0	76.8	1.6	138.1
17/05/2021 08:00		760.8	0.0	22.5	72.0	1.5	121.0
17/05/2021 09:00		761.0	0.0	24.5	65.9	0.9	155.1
17/05/2021 10:00		761.0	0.0	26.1	62.0	1.5	185.3
17/05/2021 11:00		760.5	0.0	26.0	62.7	2.0	192.6
17/05/2021 12:00		760.1	0.0	25.2	67.3	2.2	218.1
17/05/2021 13:00		759.5	0.0	25.3	66.0	2.4	218.8
17/05/2021 14:00		759.1	0.0	23.9	75.1	2.9	224.2
17/05/2021 15:00		758.0	0.0	22.2	77.9	2.7	228.6
17/05/2021 16:00	758.2	0.0	22.1	77.8	2.4	225.9	
17/05/2021 17:00	759.8	0.0	21.4	79.7	1.6	194.0	
17/05/2021 18:00	760.5	0.0	20.7	83.2	1.5	200.1	
17/05/2021 19:00	761.2	0.0	20.5	83.0	1.0	177.2	
17/05/2021 20:00	761.8	0.0	20.5	82.5	1.3	180.9	
17/05/2021 21:00	762.2	0.0	20.6	82.8	0.9	183.0	
17/05/2021 22:00	762.5	0.0	20.6	82.9	0.6	130.3	
17/05/2021 23:00	762.3	0.0	20.6	82.4	0.8	175.0	
18	18/05/2021 00:00	761.8	0.0	20.6	81.7	0.8	153.0
	18/05/2021 01:00	761.4	0.0	20.5	82.8	0.5	132.8
	18/05/2021 02:00	761.0	0.0	20.5	83.4	0.5	176.4
	18/05/2021 03:00	761.0	0.0	20.5	84.0	0.6	201.0
	18/05/2021 04:00	761.2	0.0	20.2	86.8	0.8	203.2
	18/05/2021 05:00	761.6	0.6	19.9	90.2	0.7	186.0
	18/05/2021 06:00	762.2	0.0	19.9	91.1	0.5	181.3
	18/05/2021 07:00	762.5	0.0	19.9	91.2	0.8	183.6
	18/05/2021 08:00	762.5	0.0	20.5	90.4	0.6	178.0
	18/05/2021 09:00	762.5	0.0	21.9	85.2	0.7	159.2
	18/05/2021 10:00	761.9	0.0	23.0	82.1	1.1	165.8
	18/05/2021 11:00	761.3	0.0	24.4	77.2	1.3	168.0
	18/05/2021 12:00	760.6	0.0	25.1	72.6	1.2	166.2
	18/05/2021 13:00	759.8	0.0	25.7	68.8	1.9	184.8
	18/05/2021 14:00	759.9	0.0	25.4	68.2	2.1	191.2
	18/05/2021 15:00	758.5	0.0	24.6	70.4	2.4	196.8
18/05/2021 16:00	758.5	0.0	24.4	71.4	2.1	215.3	
18/05/2021 17:00	759.0	0.0	22.5	79.2	2.0	230.5	
18/05/2021 18:00	759.4	0.0	21.1	84.1	1.4	207.0	
18/05/2021 19:00	760.0	0.0	20.6	85.2	1.0	177.0	
18/05/2021 20:00	760.3	0.0	20.3	86.8	0.8	151.5	
18/05/2021 21:00	760.5	0.0	20.1	87.5	0.8	145.0	
18/05/2021 22:00	760.5	0.0	20.0	87.9	0.7	139.9	
18/05/2021 23:00	760.0	0.0	19.9	88.7	0.8	150.1	
19	19/05/2021 00:00	759.8	0.0	20.0	87.7	0.8	138.7
	19/05/2021 01:00	759.3	0.0	20.2	86.1	1.3	127.8
	19/05/2021 02:00	759.0	0.0	19.8	87.3	1.5	123.1
	19/05/2021 03:00	758.5	0.0	18.6	86.0	1.0	132.3
	19/05/2021 04:00	758.7	0.0	19.6	87.6	0.9	150.7
	19/05/2021 05:00	758.4	0.0	19.8	87.3	1.2	192.6
	19/05/2021 06:00	758.6	0.0	19.7	87.2	1.3	178.5
	19/05/2021 07:00	759.2	0.0	20.1	85.5	1.0	140.4
	19/05/2021 08:00	759.5	0.0	21.2	81.1	1.0	132.4
	19/05/2021 09:00	759.7	0.0	22.8	75.6	1.1	170.5
	19/05/2021 10:00	760.0	0.0	24.1	70.7	1.2	178.0
	19/05/2021 11:00	759.5	0.0	24.7	68.5	2.3	204.8
	19/05/2021 12:00	759.5	0.0	22.6	76.4	3.0	224.0
	19/05/2021 13:00	758.9	0.0	23.3	73.4	2.7	205.8
	19/05/2021 14:00	758.5	0.0	24.1	70.2	2.3	205.7
	19/05/2021 15:00	758.1	0.0	22.7	77.1	2.5	232.9
19/05/2021 16:00	758.1	0.0	21.7	80.3	2.3	230.6	
19/05/2021 17:00	758.5	0.0	20.8	83.8	1.9	231.4	
19/05/2021 18:00	759.0	0.0	20.8	83.2	1.5	216.5	
19/05/2021 19:00	759.6	0.0	20.9	82.0	1.0	178.2	
19/05/2021 20:00	760.0	0.0	20.7	82.6	1.3	185.9	
19/05/2021 21:00	760.5	0.0	20.5	83.5	0.8	166.1	
19/05/2021 22:00	760.5	0.0	20.3	84.3	0.9	166.3	
19/05/2021 23:00	760.5	0.0	20.2	85.3	0.8	159.0	
20	20/05/2021 00:00	760.3	0.0	20.2	85.2	1.0	171.9
	20/05/2021 01:00	759.7	0.0	20.2	85.5	0.7	167.5
	20/05/2021 02:00	759.0	0.0	20.2	84.8	0.8	170.1
	20/05/2021 03:00	758.8	0.0	20.1	84.3	1.3	188.4
	20/05/2021 04:00	759.8	0.0	19.9	83.1	0.8	169.6
	20/05/2021 05:00	759.0	0.0	18.6	84.4	0.8	147.3
	20/05/2021 06:00	759.5	0.0	19.6	84.6	0.8	143.1
	20/05/2021 07:00	759.9	0.0	20.2	83.3	0.7	151.0
	20/05/2021 08:00	760.5	0.0	21.2	80.0	1.1	161.9
	20/05/2021 09:00	760.5	0.0	22.3	75.8	1.3	125.7
	20/05/2021 10:00	760.5	0.0	24.0	70.4	1.4	132.4
	20/05/2021 11:00	760.2	0.0	25.1	67.1	1.5	159.7
	20/05/2021 12:00	759.7	0.0	25.1	66.4	1.9	183.9
	20/05/2021 13:00	759.0	0.0	25.5	64.5	2.3	188.8
	20/05/2021 14:00	758.3	0.0	25.3	64.5	2.8	188.3
	20/05/2021 15:00	758.0	0.0	24.7	66.1	3.4	183.7
20/05/2021 16:00	758.0	0.0	24.2	67.2	2.8	182.5	
20/05/2021 17:00	758.0	0.0	23.5	69.3	2.7	189.2	
20/05/2021 18:00	758.4	0.0	22.2	74.6	2.3	182.3	
20/05/2021 19:00	758.9	0.0	21.8	77.7	2.0	175.0	
20/05/2021 20:00	759.3	0.0	21.6	77.8	1.9	189.0	
20/05/2021 21:00	759.7	0.0	21.3	79.3	1.2	162.9	
20/05/2021 22:00	759.9	0.0	21.4	77.2	1.1	131.8	
20/05/2021 23:00	760.0	0.0	21.1	77.8	1.3	132.7	
21	21/05/2021 00:00	759.9	0.0	20.6	79.7	1.3	120.5
	21/05/2021 01:00	759.3	0.0	20.2	81.1	1.1	157.6
	21/05/2021 02:00	758.9	0.0	19.9	81.6	1.2	137.0
	21/05/2021 03:00	758.8	0.0	19.7	81.7	0.9	135.1
	21/05/2021 04:00	759.0	0.0	19.6	81.9	1.2	147.0
	21/05/2021 05:00	759.1	0.0	19.6	81.6	1.4	139.5
	21/05/2021 06:00	758.4	0.0	19.5	82.1	1.4	133.5
	21/05/2021 07:00	759.9	0.0	19.8	81.9	1.3	134.5
	21/05/2021 08:00	760.6	0.0	20.3	81.3	1.6	128.6
	21/05/2021 09:00	760.8	0.0	21.0	79.6	1.6	134.2
	21/05/2021 10:00	760.9	0.0	22.5	73.4	1.5	158.3
	21/05/2021 11:00	760.6	0.0	23.4	71.0	1.7	173.5
	21/05/2021 12:00	760.1	0.0	23.4	70.8	1.7	184.0
	21/05/2021 13:00	759.4	0.0	23.9	69.1	2.2	190.8
	21/05/2021 14:00	758.6	0.0	24.3	67.0	1.8	173.4
	21/05/2021 15:00	758.1	0.0	23.3	69.8	2.8	193.0
21/05/2021 16:00	758.1	0.0	22.7	72.2	3.2	185.9	
21/05/2021 17:00	758.5	0.0	22.0	74.9	2.7	191.8	
21/05/2021 18:00	759.1	0.0	20.6	79.0	2.3	188.5	
21/05/2021 19:00	758.7	0.0	20.3	77.8	1.7	183.6	
21/05/2021 20:00	760.2	0.0	20.3	77.5	1.2	178.1	

22	21/05/2021 21:00	760.6	0.0	20.0	79.3	0.9	175.4
	21/05/2021 22:00	760.8	0.0	20.0	79.2	1.0	183.3
	21/05/2021 23:00	761.0	0.0	20.2	77.1	0.9	162.2
	22/05/2021 00:00	760.7	0.0	20.5	75.5	0.7	184.8
	22/05/2021 01:00	760.2	0.0	20.3	77.6	0.7	135.5
	22/05/2021 02:00	759.9	0.0	20.0	78.8	1.1	142.0
	22/05/2021 03:00	759.8	0.0	19.7	78.8	1.1	137.7
	22/05/2021 04:00	759.5	0.0	19.6	79.8	1.3	127.4
	22/05/2021 05:00	759.8	0.0	19.8	81.1	1.3	132.8
	22/05/2021 06:00	760.1	0.0	19.7	82.6	1.1	127.6
	22/05/2021 07:00	760.5	0.0	19.9	82.8	1.0	155.1
	22/05/2021 08:00	761.0	0.0	19.9	83.9	1.4	126.6
	22/05/2021 09:00	761.2	0.0	21.0	78.7	1.5	124.5
	22/05/2021 10:00	760.9	0.0	22.1	74.1	1.6	120.0
	22/05/2021 11:00	760.0	0.0	24.1	67.5	1.4	163.7
	22/05/2021 12:00	759.3	0.0	25.2	63.4	1.9	175.9
	22/05/2021 13:00	758.6	0.0	25.7	61.6	2.4	187.3
	22/05/2021 14:00	758.0	0.0	24.7	64.1	3.0	190.2
	22/05/2021 15:00	757.5	0.0	23.7	68.1	2.8	187.6
	22/05/2021 16:00	757.7	0.0	23.0	70.6	2.9	187.2
	22/05/2021 17:00	758.0	0.0	22.4	72.6	1.8	181.4
	22/05/2021 18:00	758.5	0.0	21.5	76.0	1.8	178.3
	22/05/2021 19:00	759.2	0.0	21.0	78.7	1.6	187.9
	22/05/2021 20:00	759.9	0.0	20.9	79.1	1.3	191.3
22/05/2021 21:00	760.8	0.0	20.9	78.2	1.5	182.3	
22/05/2021 22:00	761.1	0.0	21.1	76.9	1.0	159.5	
22/05/2021 23:00	761.1	0.0	20.9	77.7	0.9	160.4	
23	23/05/2021 00:00	760.8	0.0	20.5	79.6	0.9	156.8
	23/05/2021 01:00	760.5	0.0	20.6	78.7	1.4	130.0
	23/05/2021 02:00	759.9	0.0	20.6	76.7	1.8	136.9
	23/05/2021 03:00	759.8	0.0	20.4	77.2	1.9	122.5
	23/05/2021 04:00	759.6	0.0	20.3	78.4	1.8	121.6
	23/05/2021 05:00	759.5	0.0	20.1	78.9	1.9	130.5
	23/05/2021 06:00	759.8	0.0	20.0	80.1	1.5	121.4
	23/05/2021 07:00	760.1	0.0	20.1	80.5	1.5	127.9
	23/05/2021 08:00	760.5	0.0	20.9	77.7	1.4	125.7
	23/05/2021 09:00	760.5	0.0	21.9	74.7	1.5	130.5
	23/05/2021 10:00	760.5	0.0	23.1	70.9	1.1	133.4
	23/05/2021 11:00	760.0	0.0	25.0	65.0	1.5	194.7
	23/05/2021 12:00	759.5	0.0	24.5	66.1	1.9	191.7
	23/05/2021 13:00	758.5	0.0	25.7	62.5	1.8	192.8
	23/05/2021 14:00	757.7	0.0	24.9	65.0	2.4	224.0
	23/05/2021 15:00	757.5	0.0	23.2	70.0	2.2	224.5
	23/05/2021 16:00	757.5	0.0	22.9	70.6	1.9	188.1
	23/05/2021 17:00	758.0	0.0	22.1	72.6	1.9	189.0
	23/05/2021 18:00	758.7	0.0	21.1	77.1	1.0	191.7
	23/05/2021 19:00	759.3	0.0	20.4	81.3	1.0	164.8
	23/05/2021 20:00	759.7	0.0	20.2	82.5	0.7	136.2
	23/05/2021 21:00	760.0	0.0	20.2	82.4	0.6	163.0
	23/05/2021 22:00	760.2	0.0	20.2	83.0	1.0	175.8
	23/05/2021 23:00	760.1	0.0	20.3	82.2	0.6	163.7
24	24/05/2021 00:00	759.9	0.0	20.3	80.9	0.5	152.8
	24/05/2021 01:00	759.6	0.0	20.6	78.7	0.7	174.6
	24/05/2021 02:00	759.3	0.0	20.9	75.1	0.6	171.0
	24/05/2021 03:00	759.1	0.0	20.8	75.2	0.8	179.4
	24/05/2021 04:00	758.2	0.0	20.3	77.2	0.9	200.8
	24/05/2021 05:00	758.3	0.0	20.1	78.7	1.0	184.7
	24/05/2021 06:00	759.6	0.0	19.9	80.4	0.9	171.0
	24/05/2021 07:00	760.1	0.0	20.1	80.9	1.2	120.0
	24/05/2021 08:00	760.5	0.0	21.4	76.8	1.0	130.0
	24/05/2021 09:00	760.6	0.0	23.0	71.8	1.2	136.6
	24/05/2021 10:00	760.4	0.0	24.3	68.2	1.8	188.4
	24/05/2021 11:00	760.0	0.0	24.8	66.9	1.9	182.8
	24/05/2021 12:00	759.3	0.0	25.3	65.1	2.1	185.2
	24/05/2021 13:00	758.6	0.0	25.2	65.5	2.4	196.8
	24/05/2021 14:00	758.2	0.0	24.1	70.4	2.5	204.9
	24/05/2021 15:00	758.2	0.0	22.8	76.3	2.5	215.3
	24/05/2021 16:00	758.4	0.0	22.9	75.4	2.1	212.7
	24/05/2021 17:00	758.7	0.0	22.5	75.6	2.0	184.7
	24/05/2021 18:00	759.2	0.0	21.3	80.8	1.5	167.8
	24/05/2021 19:00	759.9	0.0	20.8	83.2	1.2	176.3
	24/05/2021 20:00	760.6	0.0	20.7	83.7	0.7	140.8
	24/05/2021 21:00	761.1	0.0	20.7	83.6	0.7	169.5
	24/05/2021 22:00	761.1	0.0	20.5	84.3	1.1	171.8
	24/05/2021 23:00	761.0	0.0	20.4	85.0	0.9	161.3
25	25/05/2021 00:00	760.9	0.0	20.5	84.8	0.8	181.2
	25/05/2021 01:00	760.4	0.0	20.6	84.2	1.1	182.1
	25/05/2021 02:00	760.0	0.0	20.7	83.8	0.8	187.6
	25/05/2021 03:00	759.7	0.0	20.9	82.1	0.8	141.8
	25/05/2021 04:00	759.6	0.0	20.9	82.1	0.8	146.0
	25/05/2021 05:00	759.9	0.0	20.7	81.8	1.1	126.8
	25/05/2021 06:00	760.0	0.0	20.6	81.8	1.2	129.0
	25/05/2021 07:00	760.3	0.0	21.1	79.6	1.0	128.2
	25/05/2021 08:00	760.8	0.0	22.6	74.2	1.3	118.8
	25/05/2021 09:00	760.9	0.0	24.1	69.8	0.9	143.3
	25/05/2021 10:00	760.7	0.0	25.6	65.4	1.1	164.9
	25/05/2021 11:00	760.3	0.0	25.5	67.2	2.2	225.2
	25/05/2021 12:00	759.8	0.0	24.0	72.9	2.5	223.9
	25/05/2021 13:00	759.3	0.0	23.3	74.9	2.8	223.1
	25/05/2021 14:00	758.8	0.0	22.1	78.7	3.0	221.9
	25/05/2021 15:00	758.6	0.0	22.0	81.3	2.3	219.9
	25/05/2021 16:00	758.6	0.0	22.9	81.7	2.0	217.3
	25/05/2021 17:00	758.0	0.0	21.6	83.1	2.0	223.3
	25/05/2021 18:00	759.5	0.0	21.1	85.0	1.5	222.8
	25/05/2021 19:00	760.2	0.0	21.0	85.1	1.2	186.2
	25/05/2021 20:00	760.8	0.0	20.9	85.7	1.0	181.5
	25/05/2021 21:00	761.4	0.0	20.8	87.0	0.8	182.4
	25/05/2021 22:00	761.6	0.0	20.4	88.9	1.4	184.9
	25/05/2021 23:00	761.7	0.0	20.2	89.9	1.1	162.8
26	26/05/2021 00:00	761.6	0.0	20.1	89.7	1.1	179.2
	26/05/2021 01:00	761.2	0.0	20.1	89.2	1.0	172.7
	26/05/2021 02:00	760.7	0.0	20.1	88.6	0.8	187.7
	26/05/2021 03:00	760.5	0.0	20.2	88.0	0.8	152.7
	26/05/2021 04:00	760.3	0.0	20.3	87.0	0.8	176.4
	26/05/2021 05:00	760.4	0.0	20.6	86.1	0.8	183.0
	26/05/2021 06:00	760.5	0.0	20.7	85.9	1.0	187.5
	26/05/2021 07:00	761.0	0.0	20.7	85.6	1.0	182.0
	26/05/2021 08:00	761.5	0.0	21.2	84.3	1.0	152.0
	26/05/2021 09:00	761.7	0.0	22.2	80.1	1.3	180.0
	26/05/2021 10:00	761.6	0.0	23.6	74.1	1.3	171.5
	26/05/2021 11:00	761.2	0.0	24.9	68.5	1.9	189.1
26/05/2021 12:00	760.7	0.0	24.8	69.4	2.3	198.7	
26/05/2021 13:00	760.2	0.0	23.8	75.0	2.9	222.6	
26/05/2021 14:00	759.6	0.0	23.6	75.5	2.5	222.7	
26/05/2021 15:00	759.2	0.0	23.0	77.9	2.5	210.1	
26/05/2021 16:00	759.2	0.0	22.9	77.5	2.4	190.0	
26/05/2021 17:00	759.5	0.0	22.9	80.6	2.7	187.5	
26/05/2021 18:00	760.1	0.0	21.0	84.2	2.2	180.8	
26/05/2021 19:00	760.8	0.0	20.8	85.1	2.0	190.2	

	26/05/2021 20:00	761.4	0.0	20.7	85.1	2.0	180.8
	26/05/2021 21:00	761.9	0.0	20.7	85.7	2.0	182.9
	26/05/2021 22:00	762.2	0.0	20.8	86.2	0.8	178.4
	26/05/2021 23:00	762.2	0.0	21.0	84.8	1.1	183.0
	27/05/2021 00:00	762.0	0.0	20.9	85.5	1.4	183.1
	27/05/2021 01:00	761.8	0.0	20.9	85.3	0.8	179.4
	27/05/2021 02:00	761.3	0.0	20.9	83.8	0.6	147.2
	27/05/2021 03:00	761.0	0.0	20.6	84.6	0.7	165.2
	27/05/2021 04:00	760.9	0.0	20.3	85.7	0.9	167.4
	27/05/2021 05:00	761.1	0.0	20.3	86.1	0.8	169.3
	27/05/2021 06:00	761.4	0.0	20.2	87.1	1.1	170.9
	27/05/2021 07:00	761.7	0.0	20.2	86.1	0.8	141.1
	27/05/2021 08:00	762.1	0.0	20.6	84.8	0.9	160.7
	27/05/2021 09:00	762.0	0.0	21.7	80.5	1.1	186.4
	27/05/2021 10:00	761.8	0.0	23.1	74.9	1.6	184.8
	27/05/2021 11:00	761.6	0.0	23.4	74.4	2.3	197.3
	27/05/2021 12:00	761.2	0.0	22.8	77.3	3.2	216.1
	27/05/2021 13:00	760.8	0.0	22.2	79.2	3.6	220.4
	27/05/2021 14:00	760.3	0.0	22.3	79.7	2.9	208.4
	27/05/2021 15:00	760.1	0.0	21.7	81.4	2.5	203.2
	27/05/2021 16:00	760.1	0.0	21.8	79.3	2.4	189.5
	27/05/2021 17:00	760.3	0.0	21.3	81.6	2.0	189.3
	27/05/2021 18:00	760.9	0.0	20.9	83.4	2.0	187.0
	27/05/2021 19:00	761.5	0.0	20.8	84.8	1.6	182.9
	27/05/2021 20:00	762.1	0.0	20.6	85.8	1.4	186.0
	27/05/2021 21:00	762.5	0.0	20.5	86.2	1.1	174.2
	27/05/2021 22:00	762.8	0.0	20.5	86.1	1.2	171.0
	27/05/2021 23:00	762.6	0.0	20.6	85.4	1.0	162.6
	28/05/2021 00:00	762.4	0.0	20.6	85.5	0.7	179.6
	28/05/2021 01:00	762.1	0.0	20.8	84.4	0.9	156.1
	28/05/2021 02:00	761.5	0.0	20.6	84.3	1.1	126.3
	28/05/2021 03:00	761.1	0.0	20.2	86.0	1.2	130.0
	28/05/2021 04:00	761.1	0.0	19.9	87.4	1.0	148.5
	28/05/2021 05:00	761.2	0.0	19.8	88.3	0.9	160.3
	28/05/2021 06:00	761.5	0.0	19.8	87.9	0.8	143.7
	28/05/2021 07:00	761.9	0.0	20.1	87.2	0.8	129.7
	28/05/2021 08:00	762.2	0.0	21.4	82.0	1.1	176.4
	28/05/2021 09:00	762.2	0.0	22.2	78.4	1.4	193.2
	28/05/2021 10:00	762.0	0.0	22.6	76.5	1.8	183.3
	28/05/2021 11:00	761.5	0.0	23.6	72.7	2.1	182.1
	28/05/2021 12:00	761.0	0.0	24.2	70.4	2.3	183.5
	28/05/2021 13:00	760.3	0.0	23.9	70.7	2.7	183.5
	28/05/2021 14:00	759.8	0.0	23.7	71.1	2.9	183.6
	28/05/2021 15:00	758.4	0.0	23.1	74.6	2.7	192.9
	28/05/2021 16:00	759.5	0.0	22.5	76.8	2.3	190.2
	28/05/2021 17:00	759.6	0.0	21.9	78.8	1.9	181.6
	28/05/2021 18:00	760.1	0.0	21.2	82.1	2.0	181.8
	28/05/2021 19:00	760.6	0.0	20.8	84.4	1.8	184.0
	28/05/2021 20:00	761.1	0.0	20.6	85.9	1.7	184.1
	28/05/2021 21:00	761.3	0.0	20.5	86.4	1.2	177.4
	28/05/2021 22:00	761.4	0.0	20.6	87.0	1.0	184.3
	28/05/2021 23:00	761.4	0.0	20.7	85.0	0.8	170.0
	29/05/2021 00:00	761.4	0.0	20.4	83.7	1.0	191.9
	29/05/2021 01:00	761.1	0.0	20.2	83.4	0.8	166.6
	29/05/2021 02:00	760.7	0.0	20.2	83.0	0.7	162.6
	29/05/2021 03:00	760.4	0.0	19.9	83.1	0.7	159.9
	29/05/2021 04:00	760.3	0.0	19.9	82.8	0.7	150.8
	29/05/2021 05:00	760.5	0.0	19.9	83.1	0.8	152.6
	29/05/2021 06:00	760.8	0.0	19.6	85.4	0.8	134.6
	29/05/2021 07:00	761.0	0.0	19.8	84.8	0.8	122.5
	29/05/2021 08:00	761.4	0.0	20.6	81.6	1.0	136.1
	29/05/2021 09:00	761.5	0.0	21.4	78.1	1.0	154.6
	29/05/2021 10:00	761.4	0.0	22.1	75.5	1.3	157.8
	29/05/2021 11:00	761.0	0.0	23.0	72.8	2.1	180.5
	29/05/2021 12:00	760.5	0.0	24.7	67.3	1.4	172.0
	29/05/2021 13:00	760.0	0.0	24.2	68.7	2.4	192.3
	29/05/2021 14:00	759.3	0.0	24.8	66.6	2.1	191.1
	29/05/2021 15:00	758.0	0.0	24.9	66.5	2.1	193.5
	29/05/2021 16:00	759.2	0.0	23.7	71.8	2.2	209.9
	29/05/2021 17:00	759.7	0.0	22.4	77.4	1.8	200.2
	29/05/2021 18:00	760.3	0.0	21.3	81.7	1.5	186.0
	29/05/2021 19:00	760.9	0.0	20.7	84.1	1.1	176.6
	29/05/2021 20:00	761.4	0.0	20.6	84.2	1.5	187.0
	29/05/2021 21:00	761.7	0.0	20.6	84.4	1.5	179.7
	29/05/2021 22:00	761.7	0.0	20.4	86.4	1.0	191.1
	29/05/2021 23:00	761.5	0.0	20.3	86.4	0.7	168.0
	30/05/2021 00:00	761.4	0.0	20.6	82.0	0.8	180.0
	30/05/2021 01:00	761.0	0.0	20.5	81.7	0.7	128.9
	30/05/2021 02:00	760.5	0.0	20.2	82.2	0.7	131.0
	30/05/2021 03:00	760.3	0.0	20.0	82.5	0.7	136.5
	30/05/2021 04:00	760.4	0.0	19.9	82.8	1.0	123.5
	30/05/2021 05:00	760.5	0.0	19.9	82.6	1.0	124.9
	30/05/2021 06:00	760.8	0.0	19.8	82.4	0.7	134.9
	30/05/2021 07:00	761.3	0.0	20.3	80.7	0.9	136.2
	30/05/2021 08:00	761.8	0.0	21.0	78.7	1.0	142.9
	30/05/2021 09:00	761.9	0.0	21.9	75.9	1.0	126.3
	30/05/2021 10:00	761.6	0.0	23.2	72.0	1.0	155.3
	30/05/2021 11:00	761.3	0.0	24.2	68.8	1.5	194.2
	30/05/2021 12:00	760.7	0.0	24.5	68.9	2.3	206.9
	30/05/2021 13:00	760.3	0.0	23.7	72.8	2.6	209.6
	30/05/2021 14:00	759.7	0.0	23.6	73.8	2.6	206.3
	30/05/2021 15:00	759.1	0.0	23.6	73.8	2.6	195.7
	30/05/2021 16:00	758.3	0.0	23.8	72.9	2.5	193.6
	30/05/2021 17:00	758.6	0.0	23.1	74.6	2.6	188.5
	30/05/2021 18:00	760.0	0.0	21.9	78.6	2.0	185.0
	30/05/2021 19:00	760.4	0.0	21.0	83.0	1.7	184.7
	30/05/2021 20:00	760.9	0.0	20.7	84.5	1.2	166.3
	30/05/2021 21:00	761.2	0.0	20.4	86.3	1.1	185.8
	30/05/2021 22:00	761.3	0.0	20.2	86.8	1.3	182.3
	30/05/2021 23:00	761.3	0.0	20.3	86.6	1.2	180.8
	31/05/2021 00:00	761.5	0.0	20.4	84.0	0.8	184.1
	31/05/2021 01:00	761.4	0.0	20.4	80.6	0.9	162.6
	31/05/2021 02:00	761.2	0.0	20.4	80.0	0.9	162.6
	31/05/2021 03:00	761.2	0.0	20.3	80.2	0.8	150.4
	31/05/2021 04:00	761.2	0.0	20.2	81.0	0.8	157.7
	31/05/2021 05:00	761.3	0.0	20.2	81.5	0.9	141.9
	31/05/2021 06:00	761.4	0.0	20.1	82.0	0.9	152.0
	31/05/2021 07:00	761.6	0.0	20.3	82.9	1.0	146.5
	31/05/2021 08:00	762.0	0.0	21.4	79.4	1.2	135.2
	31/05/2021 09:00	762.0	0.0	22.8	74.5	1.2	161.1
	31/05/2021 10:00	761.4	0.0	24.2	70.0	1.2	142.8
	31/05/2021 11:00	760.9	0.0	25.4	65.2	2.1	186.2
	31/05/2021 12:00	760.4	0.0	25.5	64.6	2.4	188.7
	31/05/2021 13:00	759.8	0.0	25.1	65.6	3.0	184.9
	31/05/2021 14:00	759.3	0.0	24.6	66.8	3.2	185.2
	31/05/2021 15:00	758.8	0.0	24.1	68.1	3.6	185.2
	31/05/2021 16:00	759.8	0.0	23.4	70.7	2.9	186.9
	31/05/2021 17:00	759.5	0.0	22.1	73.3	3.1	182.4
	31/05/2021 18:00	760.1	0.0	21.0	81.3	2.4	177.2
	31/05/2021 19:00	760.8	0.0	20.6	82.7	1.9	177.3
	31/05/2021 20:00	761.4	0.0	20.3	84.6	1.6	182.8
	31/05/2021 21:00	761.6	0.0	20.3	85.0	0.9	150.4
	31/05/2021 22:00	761.7	0.0	20.2	85.6	1.0	188.0
	31/05/2021 23:00	761.7	0.0	20.0	86.9	1.0	186.6

MÍNIMO	756.7	0.0	18.6	51.0	0.4	-
MÁXIMO	763.0	0.6	30.3	91.2	3.6	-
PROMEDIO	760.2	0.0	22.1	75.8	1.5	-

















TÍTULO DEL ESTUDIO:

Evaluación ambiental de seguimiento de la

ESTACIÓN DE MONITOREO:

CA-TA-01

	1-May	2-May	3-May	4-May	5-May	6-May	7-May	8-May	9-May	10-May	11-May	1
00:00	0.7	1.6	1.1	1.1	1.2	1.4	0.9	1	1	1.7	1.7	
01:00	0.7	1.4	1.4	1	1.1	1.4	0.5	1.5	1.4	1.8	2	
02:00	0.5	1.3	1.4	0.9	1.1	1.7	0.7	1.3	1.1	1.9	1.9	
03:00	0.5	1.3	1.5	1	0.9	1.6	0.8	1.1	1.1	1.8	2	
04:00	0.5	0.9	1.4	0.9	0.9	1.4	0.6	1.1	1.6	1.9	1.8	
05:00	0.8	1	0.9	1.2	0.9	1.2	0.6	1.1	1.2	1.8	1.4	
06:00	0.9	1.1	1.4	1.3	1.3	1.4	0.9	1.4	1.6	2.1	2	
07:00	0.9	1.5	1.4	1.4	1.1	1.3	1.2	1	1.1	2.2	2.2	
08:00	0.9	1.7	1.8	1.1	0.6	1.6	1.3	1.3	1.3	2.1	2.4	
09:00	1.1	1.3	1.9	1.1	0.7	1.2	1.1	1.3	1.4	1.7	2	
10:00	1.4	1.1	1.4	2	2.7	1.1	1.1	1.6	1.6	1.4	1.9	
11:00	1.1	3.2	1.2	3.3	2.6	1.2	2.3	2.2	1.6	1.4	1.7	
12:00	1.5	2.6	1.4	3.3	2.5	1.7	3	2.6	2.2	1.8	1.9	
13:00	2.4	2.4	1.6	3.1	2.8	2.6	2.8	2.7	3.6	2.6	2.8	
14:00	2.5	2.3	2.5	2.6	2.4	2.3	2.6	2.6	3.4	2.4	2.9	
15:00	2.4	2.5	2.1	2.7	2.5	2.7	3.1	2.7	3.1	2.3	3	
16:00	2.2	2.2	2.3	2.3	2.2	2.1	2.8	2.3	2.3	2.4	3.1	
17:00	1.9	2.2	2	1.3	1.1	1.4	2.8	1.9	2	2.2	3.2	
18:00	1.2	2.1	1	1.2	0.8	0.9	2.5	1.4	1.8	1.6	1.8	
19:00	0.9	1.6	1	0.8	0.8	0.7	2	1.1	1.2	0.8	1	
20:00	1	1	0.8	0.8	0.7	0.7	1.3	1.4	1.2	0.8	1	
21:00	0.9	1.3	0.8	0.8	0.8	0.6	1.2	1.1	1.1	0.8	0.8	
22:00	0.5	1.2	0.6	0.5	0.8	0.7	0.8	0.9	0.6	0.7	0.8	
23:00	1	0.7	0.7	1	0.8	1.2	0.9	1.1	0.9	1	1.1	

	1-May	2-May	3-May	4-May	5-May	6-May	7-May	8-May	9-May	10-May	11-May	1
00:00	SSE	ESE	SE	SE	SE	ESE	SSE	SE	ESE	ESE	ESE	
01:00	SSE	SE	ESE	SE	SE	ESE	ESE	SE	SE	SE	SE	
02:00	SSE	ESE	ESE	S	ESE	SE	SE	SSE	SSE	ESE	SE	
03:00	SSE	SE	SE	S	SSE	SE	SE	SE	SE	SE	SE	
04:00	ESE	SE	SE	S	SSE	SE	SSE	SE	SE	SE	SE	
05:00	ESE	ESE	SE	ESE	ESE	SE	ESE	SE	SE	SE	SE	
06:00	ESE	SE	SE	SE	SE	SE	S	S	SE	SE	ESE	
07:00	ESE	SE	ESE	SE	SE	ESE	SSE	S	SSE	SE	ESE	
08:00	ESE	ESE	SE	SSE	E	ESE	SE	S	S	SE	SE	
09:00	ESE	SE	ESE	S	S	SE	ESE	SSE	S	SE	ESE	
10:00	ESE	SSE	SE	SW	WSW	SSE	SSW	S	SSE	S	ESE	
11:00	SSE	SW	SE	SW	WSW	SSE	S	S	SSW	SSE	SE	
12:00	S	SW	SE	SW	SW	S	S	SSW	SSW	S	S	
13:00	SW	SW	S	SW	SW	SW	S	S	SW	SSW	SSW	
14:00	SSW	SW	SW	SW	SW	SSW	S	SSW	SW	SSW	S	
15:00	SSW	SSW	SW	SW	SW	SSW	SSW	SW	SW	SSW	S	
16:00	SW	SW	SSW	SW	SW	S	S	SSW	SW	SSW	S	
17:00	S	S	S	SSW	SSW	S	S	S	SSW	S	S	
18:00	SSW	S	SSE	S	SSE	S	S	S	S	S	S	
19:00	ESE	S	SE	SE	S	SE	S	SSW	SSE	S	S	
20:00	ESE	ESE	SSE	SE	SSE	SE	SSW	S	SSE	S	S	
21:00	SE	SE	SSE	SE	ESE	S	S	S	SSE	SSE	SSE	
22:00	SSE	SE	S	ESE	S	SSE	S	S	SSE	SSE	SSE	
23:00	SE	SE	SE	SE	ESE	SE	ESE	SSE	SE	SE	SE	

**Tabla 3.3. Velocidad y dirección del viento durante el mes**

a calidad del aire en el área de influencia de la Refinería Talara, ubicada en el distrito de Pariñas, provincia de Tala Piura, en mayo de 2021

**CÓDIGO DE ACCIÓN** 0002-5-2021-414

Velocidad del viento																														
12-May	13-May	14-May	15-May	16-May	17-May	18-May	19-May	20-May	21-May	22-May	23-May	24-May	25-May	26-May	27-May	28-May	29-May	30-May	31											
1.4	1	0.9	0.7	1.1	0.8	0.8	0.8	1	1.3	0.7	0.9	0.5	0.8	1.1	1.4	0.7	1	0.8												
0.9	1.3	0.7	0.9	1.3	1	0.5	1.3	0.7	1.1	0.7	1.4	0.7	1.1	1	0.8	0.9	0.8	0.7												
0.9	1.3	0.7	0.9	1.4	0.9	0.5	1.5	0.8	1.2	1.1	1.8	0.6	0.8	0.8	0.6	1.1	0.7	0.7												
0.9	1.6	1	1.3	1.1	0.8	0.6	1	1.3	0.9	1.1	1.9	0.8	0.8	0.8	0.7	1.2	0.7	0.7												
1	1.9	0.9	1.5	1	1	0.8	0.9	0.8	1.2	1.3	1.8	0.9	0.8	0.8	0.9	1	0.7	1												
1.1	2	0.7	1.5	0.7	1.1	0.7	1.2	0.8	1.4	1.3	1.9	1	1.1	0.8	0.8	0.9	0.8	1												
1.1	1.4	0.9	1.4	0.9	1.6	0.5	1.3	0.8	1.4	1.1	1.5	0.9	1.2	1	1.1	0.8	0.8	0.7												
1.2	1.5	0.7	1.3	1.2	1.6	0.8	1	0.7	1.3	1	1.5	1.2	1	1	0.8	0.8	0.8	0.9												
1.3	1.4	1.3	1	0.9	1.5	0.6	1	1.1	1.6	1.4	1.4	1	1.3	1	0.9	1.1	1	1												
0.9	1.4	1.2	0.8	1.2	0.9	0.7	1.1	1.3	1.6	1.5	1.5	1.2	0.9	1.3	1.1	1.4	1	1												
1.1	1.7	1.3	1.1	1.8	1.5	1.1	1.2	1.4	1.5	1.6	1.1	1.8	1.1	1.3	1.6	1.8	1.3	1												
2.5	1.7	2.9	2	2.2	2	1.3	2.3	1.5	1.7	1.4	1.5	1.9	2.2	1.9	2.3	2.1	2.1	1.5												
2.9	3.2	3	2.1	2.3	2.2	1.2	3	1.9	1.7	1.9	1.9	2.1	2.5	2.3	3.2	2.3	1.4	2.3												
3	2.8	2.9	2.7	2.4	2.4	1.9	2.7	2.3	2.2	2.4	1.8	2.4	2.8	2.9	3.6	2.7	2.4	2.6												
3	2	2.7	2.7	2.4	2.9	2.1	2.3	2.8	1.8	3	2.4	2.5	3	2.5	2.9	2.9	2.1	2.6												
2.8	2.1	2.5	3	2	2.7	2.4	2.5	3.4	2.8	2.8	2.2	2.5	2.3	2.5	2.5	2.7	2.1	2.6												
2.4	2.3	2	2.3	2	2.4	2.1	2.3	2.8	3.2	2.9	1.9	2.1	2	2.4	2.4	2.3	2.2	2.5												
2.1	2.1	1.6	2.1	1.8	1.6	2	1.9	2.7	2.7	1.8	1.9	2	2	2.7	2	1.9	1.8	2.6												
1.5	1.4	1.5	1.2	1.1	1.5	1.4	1.5	2.3	2.3	1.8	1	1.5	1.5	2.2	2	2	1.5	2												
1.1	1.3	0.9	1.2	0.8	1	1	1	2	1.7	1.6	1	1.2	1.2	2	1.6	1.8	1.1	1.7												
0.7	1.6	1.3	0.9	0.7	1.3	0.8	1.3	1.9	1.2	1.3	0.7	0.7	1	2	1.4	1.7	1.5	1.2												
0.7	1.5	1.1	0.9	0.7	0.9	0.8	0.8	1.2	0.9	1.5	0.6	0.7	0.8	2	1.1	1.2	1.5	1.1												
0.6	1.3	0.9	1.1	0.8	0.6	0.7	0.9	1.1	1	1	1	1.1	1.4	0.8	1.2	1	1	1.3												
0.4	1.3	0.7	0.9	0.6	0.8	0.8	0.8	1.3	0.9	0.9	0.6	0.9	1.1	1.1	1	0.8	0.7	1.2												

Dirección del viento																														
12-May	13-May	14-May	15-May	16-May	17-May	18-May	19-May	20-May	21-May	22-May	23-May	24-May	25-May	26-May	27-May	28-May	29-May	30-May	31											
SE	SE	S	SSE	S	S	SSE	SE	S	ESE	S	SSE	SSE	S	S	S	S	SSW	S												
SSE	ESE	SSE	ESE	ESE	S	SE	SE	SSE	SSE	SE	SE	S	S	S	S	SE	SSE	SE												
SSE	SE	S	SE	ESE	SSW	S	ESE	S	SE	SE	SE	S	S	S	SSE	SE	SSE	SE												
S	ESE	S	SE	ESE	SSE	SSW	SE	S	SE	SE	ESE	S	SE	SSE	SSE	SE	SSE	ESE												
SSE	SE	S	SE	SSE	S	SSW	SSE	S	SSE	SE	ESE	SSW	SSE	S	SSE	SE	SSE	ESE												
SSE	SE	S	SE	S	SE	S	SSW	SSE	SE	SE	SE	S	SE	S	S	SSE	SSE	SE												
SE	ESE	S	ESE	SSE	SE	S	S	SE	SE	SE	ESE	S	SE	S	S	SSE	SE	SE												
ESE	SE	SSE	SE	S	SE	S	SE	SSE	SE	SSE	SE	ESE	SE	S	SE	SE	ESE	SE												
SE	SE	S	ESE	S	ESE	S	SE	SSE	SE	SE	SE	SE	ESE	SSE	SSE	S	SE	SE												
ESE	S	SSE	SSE	S	SSE	SSE	S	SE	SE	SE	SE	SE	SSE	S	S	SSW	SSE	SE												
S	SSW	SSW	S	SSW	S	SSE	S	SE	SSE	ESE	SE	S	S	S	S	S	SSE	SSE												
SW	SSW	SW	S	SSW	SSW	SSE	SSW	SSE	S	SSE	SSW	S	SW	S	SSW	S	S	SSW												
SW	SW	SW	S	S	SW	SSE	SW	S	S	S	SSW	S	SW	S	SSW	SW	S	SSW												
SW	SW	SSW	S	SSW	SW	S	SSW	S	S	S	SSW	SSW	SW	SW	SW	S	SSW	SSW												
SW	SW	SSW	S	SSW	SW	S	SSW	S	S	S	SW	SSW	SW	SW	SSW	S	S	SSW												
SW	SSW	SSW	S	SW	SW	SSW	SW	S	SSW	S	SW	SW	SW	SSW	SSW	SSW	SSW	SSW												
SW	SW	SSW	S	S	SW	SW	SW	S	S	S	SSW	SW	SW	SSW	SSW	SSW	SSW	SSW												
SW	S	S	S	S	SSW	SW	SW	S	SSW	S	S	S	SW	S	S	S	SSW	S												
S	S	S	S	SSE	SSW	SSW	SW	S	S	S	SSW	SSE	SW	S	S	S	S	S												
SSE	S	SSE	S	SSE	S	S	S	S	S	S	SSE	S	S	S	S	S	S	S												
SE	S	SSW	SSE	S	S	SSE	S	S	S	SSW	SE	SE	S	S	S	S	S	SSE												
SE	S	S	S	SE	S	SSE	SSE	SSE	S	S	SSE	S	S	S	S	S	S	S												
SSE	S	S	S	S	SE	SE	SSE	SE	S	SSE	S	S	S	S	S	S	S	S												
SSE	S	S	S	SSE	S	SSE	SSE	SE	SSE	SSE	SSE	SSE	SSE	S	SSE	S	SSE	S												



ra, departamento de



8.6  
31.4

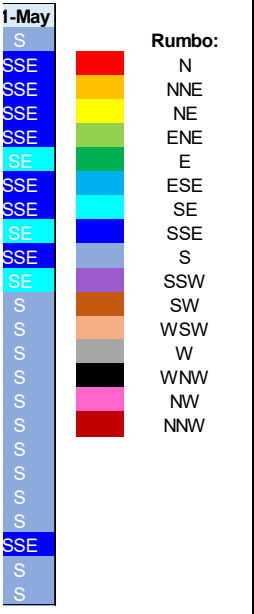




Tabla 3.1. Concentraciones horarias de SO<sub>2</sub>

TÍTULO DEL ESTUDIO: Evaluación ambiental de seguimiento de la calidad del aire en el área de influencia de la Refinería Talara, ubicada en el distrito de Paríñas, provincia de Talara, departamento de Piura, en junio de 2021

ESTACIÓN DE MONITOREO: CA-TA-01

CÓDIGO DE ACCIÓN: 0001-6-2021-414

DATOS DEL EQUIPO

EQUIPO: Analizador automático de gases

MARCA: Thermo Scientific

MODELO: 450i

SERIE: 1009241444

Hora/Día	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
00:00	8.5	8.1	8.3	8.8	8.6	8.2	7.8	8.2	8.6	7.7	8.1	8.0	8.1	8.2	8.4	8.5	8.1	7.5	8.0	8.6	8.0	7.8	8.7	8.0	7.1	8.8	9.5	9.6	9.6	9.2	
01:00	8.2	8.0	8.3	8.5	8.6	8.2	8.0	8.0	8.7	7.5	8.1	8.0	8.2	8.7	8.2	8.9	8.2	7.9	8.1	8.6	7.8	7.8	8.7	7.9	7.1	8.9	9.2	9.8	9.9	9.5	
02:00	8.5	8.0	8.5	8.2	8.5	8.2	8.3	8.1	8.4	7.4	8.4	8.1	8.3	8.3	8.4	9.6	8.3	8.1	8.2	8.4	7.9	7.9	9.4	8.6	7.2	8.7	8.7	9.9	9.6	9.6	
03:00	8.5	8.4	8.1	7.9	8.8	8.3	8.4	7.9	8.3	7.5	8.1	7.9	8.2	8.2	8.5	9.3	8.1	8.1	7.9	8.3	7.8	8.0	8.8	8.7	8.0	8.8	9.0	10.0	9.7	9.8	
04:00	8.4	8.2	8.2	8.3	8.6	8.4	8.3	8.1	8.3	7.5	8.1	7.9	8.1	8.0	8.8	8.8	8.2	7.6	8.3	8.2	7.8	8.2	8.7	8.1	7.9	8.8	9.3	9.6	10.1	9.7	
05:00	8.2	8.3	8.0	8.3	8.6	8.4	8.4	8.0	8.6	7.5	8.0	8.1	7.9	8.3	9.1	8.9	8.0	8.1	9.1	8.3	7.9	8.2	9.0	7.8	7.6	9.1	9.4	9.7	10.1	9.6	
06:00	8.2	8.2	8.1	8.6	8.9	8.6	8.4	8.5	8.6	8.1	8.4	8.0	7.8	8.5	9.5	8.7	8.4	7.9	9.1	8.4	7.7	8.3	9.0	7.9	8.2	9.3	9.0	9.7	10.3	9.6	
07:00	8.7	8.8	8.6	8.9	8.9	8.5	8.8	8.9	8.7	8.1	8.3	8.3	7.9	9.0	10.2	8.7	8.5	8.1	8.6	8.3	8.0	8.7	9.6	8.4	8.4	9.0	10.0	10.5	10.1	10.1	
08:00	8.2	8.9	8.7	8.9	8.7	8.7	8.2	9.0	8.7	8.7	8.4	8.5	8.1	8.7	9.1	9.2	8.4	8.3	8.1	8.4	7.9	8.7	9.0	8.4	8.1	9.1	9.5	9.8	10.0	10.0	
09:00	8.0	8.9	8.2	9.0	8.7	8.7	8.4	8.9	8.5	8.0	8.3	8.2	8.3	8.7	8.8	8.4	8.3	8.4	8.0	8.4	8.0	8.7	9.1	8.1	7.7	8.8	9.2	9.6	10.2	9.8	
10:00	8.2	8.6	8.4	8.6	8.5	8.4	8.4	17.0	8.3	7.8	8.3	8.2	8.4	23.5	9.5	8.6	8.5	8.4	8.2	8.2	8.1	8.7	9.1	7.9	8.4	9.2	9.1	9.9	10.0	9.8	
11:00	8.2	8.8	8.3	9.0	8.4	10.2	16.5	12.2	8.0	8.1	8.4	8.4	8.3	34.4	9.3	8.4	8.7	8.4	8.4	8.0	7.9	8.8	11.2	7.8	9.3	9.8	8.9	9.9	10.1	9.9	
12:00	8.4	9.0	9.1	9.9	9.0	13.8	27.1	26.2	8.2	8.3	8.4	8.6	15.4	37.5	24.9	9.1	9.2	8.4	8.1	8.4	8.5	9.2	18.8	7.9	9.7	9.6	9.1	10.2	10.2	10.2	
13:00	8.5	10.7	18.4	12.9	9.0	13.9	18.4	20.2	8.2	8.3	8.9	8.9	18.7	22.2	17.5	9.4	14.4	8.0	8.6	8.4	15.5	10.0	29.4	8.1	9.5	9.4	11.4	10.0	10.4	10.0	
14:00	8.5	13.1	20.2	11.7	9.2	14.6	21.1	28.4	8.4	8.2	9.0	8.9	12.2	28.7	21.4	20.0	16.1	8.1	14.1	8.4	18.3	10.5	35.1	8.2	9.6	9.2	16.9	10.2	11.6	10.4	
15:00	8.5	9.9	20.8	13.2	8.9	15.4	22.5	32.0	8.4	8.1	9.3	9.1	9.9	26.6	38.2	16.3	11.0	8.9	13.2	8.4	23.1	11.8	27.4	8.8	10.0	11.0	18.0	10.7	11.6	10.0	
16:00	8.9	9.5	13.1	10.5	9.0	10.9	19.8	20.8	8.7	7.9	8.8	8.9	9.0	17.1	28.3	11.3	9.5	9.1	9.8	8.3	19.3	11.7	16.5	8.6	10.2	11.6	12.0	10.6	10.1	9.9	
17:00	9.0	9.3	11.4	9.6	9.1	9.2	23.3	14.9	8.6	7.9	8.6	8.8	8.6	12.3	16.0	10.0	8.9	8.9	9.5	8.4	13.1	12.1	12.3	VF	9.8	10.7	10.6	10.0	10.1	10.2	
18:00	9.1	9.1	9.8	9.6	9.0	8.7	25.7	11.8	8.2	7.9	8.7	8.8	8.1	10.4	12.7	9.4	8.5	8.8	8.9	8.3	10.4	10.4	10.8	VF	8.9	10.3	9.8	9.8	9.8	10.3	
19:00	8.7	8.4	9.4	9.1	8.7	8.2	14.3	10.4	8.2	8.0	8.5	8.6	8.3	9.4	10.8	8.9	8.7	8.4	8.9	8.2	9.3	9.6	9.9	VF	8.9	9.5	9.2	9.3	9.4	9.8	
20:00	8.3	8.3	8.8	8.9	8.9	8.3	11.5	9.6	8.1	8.1	8.4	8.3	8.0	8.9	9.9	8.8	8.3	8.5	8.7	7.9	8.7	9.2	9.6	6.9	8.9	9.5	9.0	9.6	9.4	9.5	
21:00	8.0	8.1	8.8	8.8	8.7	8.0	9.7	9.2	7.8	7.9	8.4	8.2	7.9	8.6	9.2	8.4	8.3	8.4	8.5	7.9	8.3	8.7	9.0	7.2	9.0	9.1	9.0	9.1	9.4	9.4	
22:00	8.2	8.0	8.6	8.7	8.4	7.9	11.7	9.0	7.7	7.8	8.4	8.5	7.8	8.7	8.8	8.4	8.4	8.0	8.3	8.5	8.1	8.1	8.9	8.8	7.3	8.9	9.1	9.2	9.1	9.4	9.5
23:00	8.4	7.9	8.7	8.3	8.2	7.8	ID	ID	ID	7.9	8.4	8.3	8.1	ID	8.7	8.1	7.4	8.0	8.7	8.0	8.1	8.8	8.5	6.9	8.4	9.2	9.7	ID	9.0	9.5	
Promedio de SO <sub>2</sub> en 24 h	8.4	8.8	10.3	9.3	8.7	9.6	13.6	13.4	8.4	7.9	8.4	8.4	9.1	14.5	13.1	9.7	9.1	8.3	9.0	8.3	10.2	9.2	12.8	8.0	8.6	9.4	10.2	9.8	10.0	9.8	
ECA aire de SO <sub>2</sub>	250 µg/m <sup>3</sup> en periodo de 24 horas																														

Observación:

SD: Sin dato

VF: Verificación multipunto del equipo analizador de gases.

ID: Insuficiencia de datos para calcular promedio (menor del 75%), dato no calculado por no cumplir con la mínima suficiencia de datos (45 minutos o 18 horas)

Nota: Se realizó el cambio y la verificación del equipo analizador Thermo Scientific 450i del 25 de febrero desde las 15:55 horas hasta el 26 hasta las 15:10 horas



**Tabla 3.2. Datos Meteorológicos**

**TÍTULO DEL ESTUDIO:** Evaluación ambiental de seguimiento de la calidad del aire en el área de influencia de la Refinería Talara, ubicada en el distrito de Paríñas, provincia de Talara, departamento de Piura, en junio de 2021

**ESTACIÓN DE MONITOREO:** CA-TA-01 **CÓDIGO DE ACCIÓN:** 0001-6-2021-414

**DATOS DEL EQUIPO**

**EQUIPO:** Estación meteorológica **MARCA:** Campbell Scientific  
**MODELO:** CR1000 **SERIE:** 30824

FECHA Y HORA	Presión atmosférica (mmHg)	Precipitación (mm)	Temperatura ambiental (°C)	Humedad relativa (%)	Velocidad de Viento (m/s)	Dirección de Viento (°)
1/06/2021 00:00	761.6	0.0	20.0	86.6	1.0	185.6
1/06/2021 01:00	761.2	0.0	20.0	86.3	1.1	192.6
1/06/2021 02:00	760.5	0.0	20.0	85.4	0.7	138.5
1/06/2021 03:00	760.1	0.0	20.2	83.5	1.1	128.7
1/06/2021 04:00	760.1	0.0	20.0	82.4	1.3	120.5
1/06/2021 05:00	760.2	0.0	19.8	83.0	1.3	137.6
1/06/2021 06:00	760.2	0.0	19.8	83.3	1.0	138.9
1/06/2021 07:00	760.5	0.0	19.9	83.9	0.9	150.3
1/06/2021 08:00	760.8	0.0	20.1	84.5	0.9	143.0
1/06/2021 09:00	760.7	0.0	21.0	80.6	1.3	148.8
1/06/2021 10:00	760.4	0.0	22.7	73.0	1.8	147.2
1/06/2021 11:00	760.0	0.0	23.8	69.0	1.6	153.8
1/06/2021 12:00	759.5	0.0	24.0	69.7	2.1	184.4
1/06/2021 13:00	759.0	0.0	24.0	68.8	2.3	184.4
1/06/2021 14:00	758.5	0.0	24.4	66.9	1.9	170.3
1/06/2021 15:00	758.2	0.0	23.7	69.2	2.7	190.2
1/06/2021 16:00	758.4	0.0	22.9	72.8	2.4	191.0
1/06/2021 17:00	758.9	0.0	21.8	77.9	2.0	193.3
1/06/2021 18:00	759.5	0.0	20.7	82.2	2.0	188.7
1/06/2021 19:00	760.0	0.0	20.2	84.4	1.8	180.6
1/06/2021 20:00	760.7	0.0	20.1	85.3	2.0	181.3
1/06/2021 21:00	761.1	0.0	20.2	85.0	1.2	186.1
1/06/2021 22:00	761.2	0.0	20.2	83.8	1.0	182.5
1/06/2021 23:00	761.1	0.0	20.3	82.5	1.0	189.3
2/06/2021 00:00	760.9	0.0	20.1	83.0	1.2	190.9
2/06/2021 01:00	760.5	0.0	20.0	84.3	0.9	174.1
2/06/2021 02:00	760.0	0.0	19.8	85.6	0.8	175.6
2/06/2021 03:00	759.5	0.0	19.7	86.0	0.6	174.3
2/06/2021 04:00	759.3	0.0	19.8	85.6	0.9	183.5
2/06/2021 05:00	759.4	0.0	19.8	83.9	0.7	164.2
2/06/2021 06:00	759.5	0.0	19.9	83.2	0.7	177.1
2/06/2021 07:00	759.7	0.0	20.2	81.5	0.7	145.1
2/06/2021 08:00	760.1	0.0	20.5	80.5	1.0	132.7
2/06/2021 09:00	760.4	0.0	21.5	77.0	0.9	146.2
2/06/2021 10:00	760.4	0.0	22.2	74.4	1.4	182.0
2/06/2021 11:00	760.2	0.0	23.0	71.0	1.9	190.9
2/06/2021 12:00	759.7	0.0	23.5	69.0	2.2	190.6
2/06/2021 13:00	759.0	0.0	23.6	70.3	2.5	216.5
2/06/2021 14:00	758.6	0.0	23.2	71.7	2.6	224.9
2/06/2021 15:00	758.2	0.0	22.4	72.2	2.8	202.4
2/06/2021 16:00	758.3	0.0	22.4	71.1	2.1	208.1
2/06/2021 17:00	758.7	0.0	21.6	73.8	2.1	183.9
2/06/2021 18:00	759.4	0.0	21.1	75.7	1.8	179.4
2/06/2021 19:00	760.0	0.0	20.7	78.7	1.1	187.1
2/06/2021 20:00	760.4	0.0	20.0	80.9	0.8	156.6
2/06/2021 21:00	760.7	0.0	19.7	81.7	0.7	169.9
2/06/2021 22:00	761.0	0.0	19.6	82.5	0.9	176.7
2/06/2021 23:00	761.0	0.0	19.6	82.7	0.8	188.4
3/06/2021 00:00	760.8	0.0	19.6	82.3	0.8	167.5
3/06/2021 01:00	760.5	0.0	19.7	81.9	0.8	171.5
3/06/2021 02:00	760.1	0.0	19.8	81.4	0.6	171.5
3/06/2021 03:00	759.9	0.0	19.8	79.7	0.7	129.5
3/06/2021 04:00	759.9	0.0	19.5	80.6	0.9	129.0
3/06/2021 05:00	759.7	0.0	19.2	82.6	0.7	135.1
3/06/2021 06:00	759.6	0.0	19.0	83.3	0.9	128.9
3/06/2021 07:00	759.9	0.0	19.5	83.0	1.2	118.2
3/06/2021 08:00	760.0	0.0	20.9	78.1	1.2	132.4
3/06/2021 09:00	759.9	0.0	22.3	73.6	1.2	166.2
3/06/2021 10:00	759.7	0.0	23.7	69.5	1.4	167.4
3/06/2021 11:00	759.7	0.0	24.2	68.1	1.9	194.0
3/06/2021 12:00	759.4	0.0	24.2	67.3	2.4	201.2
3/06/2021 13:00	758.9	0.0	23.1	72.2	3.0	222.9
3/06/2021 14:00	758.6	0.0	23.0	72.1	2.5	223.6
3/06/2021 15:00	758.4	0.0	22.2	74.8	2.5	218.9
3/06/2021 16:00	758.6	0.0	21.5	76.3	2.0	200.9
3/06/2021 17:00	759.0	0.0	21.1	77.3	1.7	192.9
3/06/2021 18:00	759.6	0.0	21.0	77.8	1.4	182.2
3/06/2021 19:00	760.3	0.0	20.6	79.8	1.2	181.3
3/06/2021 20:00	761.0	0.0	20.1	82.0	1.2	170.8
3/06/2021 21:00	761.1	0.0	20.0	81.6	0.9	177.4
3/06/2021 22:00	761.0	0.0	20.1	80.3	1.0	182.0
3/06/2021 23:00	760.8	0.0	20.3	80.5	1.0	189.8
4/06/2021 00:00	760.4	0.0	20.2	81.1	1.0	185.4
4/06/2021 01:00	759.7	0.0	20.1	81.6	1.1	173.2
4/06/2021 02:00	759.1	0.0	19.9	80.7	1.0	166.0
4/06/2021 03:00	758.8	0.0	19.6	79.5	0.9	191.5
4/06/2021 04:00	758.5	0.0	19.4	81.2	0.9	145.9
4/06/2021 05:00	758.8	0.0	19.0	83.2	1.1	131.5
4/06/2021 06:00	759.2	0.0	18.7	84.5	1.1	123.0
4/06/2021 07:00	758.7	0.0	19.3	83.2	1.4	119.7
4/06/2021 08:00	760.2	0.0	21.0	78.8	1.4	123.5
4/06/2021 09:00	760.5	0.0	22.4	71.7	1.2	114.4
4/06/2021 10:00	760.2	0.0	24.5	65.6	1.1	158.8
4/06/2021 11:00	759.7	0.0	25.3	62.1	1.9	189.0
4/06/2021 12:00	759.3	0.0	24.3	65.0	2.6	198.3
4/06/2021 13:00	758.7	0.0	23.7	68.0	2.4	212.9
4/06/2021 14:00	758.2	0.0	23.6	69.0	2.4	205.9
4/06/2021 15:00	757.9	0.0	22.4	75.1	2.5	213.6
4/06/2021 16:00	758.0	0.0	22.2	76.4	2.3	205.1
4/06/2021 17:00	758.5	0.0	22.0	76.6	2.1	196.0
4/06/2021 18:00	758.2	0.0	21.1	80.5	1.8	179.8
4/06/2021 19:00	759.9	0.0	20.8	82.2	1.4	181.8
4/06/2021 20:00	760.7	0.0	20.6	81.9	1.4	180.2
4/06/2021 21:00	761.1	0.0	20.5	82.4	1.2	178.6
4/06/2021 22:00	761.5	0.0	20.4	82.9	1.2	179.2
4/06/2021 23:00	761.7	0.0	20.1	83.2	0.8	156.0
5/06/2021 00:00	761.3	0.0	19.8	83.2	0.9	187.4
5/06/2021 01:00	760.8	0.0	19.8	83.2	0.8	163.8
5/06/2021 02:00	760.3	0.0	19.9	83.1	1.1	184.7
5/06/2021 03:00	760.2	0.0	20.0	83.2	1.0	183.2
5/06/2021 04:00	760.2	0.0	20.2	82.8	1.2	185.3
5/06/2021 05:00	760.3	0.0	20.1	84.0	1.2	189.9
5/06/2021 06:00	760.3	0.0	20.1	84.3	0.8	171.2
5/06/2021 07:00	760.6	0.0	20.2	83.2	0.9	140.0
5/06/2021 08:00	761.1	0.0	20.8	80.9	1.0	153.8

5	5/06/2021 09:00	761.2	0.0	21.8	76.5	1.6	166.9
	5/06/2021 10:00	760.9	0.0	23.0	72.3	1.5	179.9
	5/06/2021 11:00	760.2	0.0	23.8	69.5	2.1	191.9
	5/06/2021 12:00	759.5	0.0	23.9	68.3	2.2	191.6
	5/06/2021 13:00	759.0	0.0	23.6	69.2	2.4	192.0
	5/06/2021 14:00	758.4	0.0	23.4	68.8	2.8	184.2
	5/06/2021 15:00	758.1	0.0	22.9	70.5	2.8	188.2
	5/06/2021 16:00	758.1	0.0	22.5	72.5	2.4	177.9
	5/06/2021 17:00	758.3	0.0	21.8	75.9	2.6	180.8
	5/06/2021 18:00	759.1	0.0	21.0	80.7	2.3	178.1
	5/06/2021 19:00	760.1	0.0	20.8	82.2	1.9	184.4
6	5/06/2021 20:00	760.6	0.0	20.8	82.7	1.3	181.5
	5/06/2021 21:00	761.3	0.0	20.6	83.5	0.8	151.0
	5/06/2021 22:00	761.6	0.0	20.2	84.6	0.7	124.5
	5/06/2021 23:00	761.4	0.0	20.0	85.2	0.7	131.1
	6/06/2021 00:00	761.3	0.0	20.1	84.3	0.8	168.4
	6/06/2021 01:00	760.9	0.0	20.4	82.1	0.8	184.1
	6/06/2021 02:00	760.5	0.0	20.4	81.1	0.7	152.9
	6/06/2021 03:00	760.3	0.0	20.4	80.9	0.9	176.7
	6/06/2021 04:00	760.0	0.0	20.2	81.3	1.3	181.1
	6/06/2021 05:00	759.7	0.0	20.1	82.0	0.8	171.8
	6/06/2021 06:00	759.8	0.0	20.1	81.0	0.8	142.6
6	6/06/2021 07:00	760.4	0.0	20.6	79.5	1.0	158.3
	6/06/2021 08:00	760.7	0.0	21.4	76.9	1.2	170.9
	6/06/2021 09:00	760.7	0.0	22.3	73.5	1.5	172.7
	6/06/2021 10:00	760.6	0.0	23.1	70.7	1.8	185.9
	6/06/2021 11:00	760.4	0.0	23.1	71.1	2.7	219.8
	6/06/2021 12:00	759.9	0.0	22.9	72.3	3.4	220.4
	6/06/2021 13:00	759.5	0.0	22.6	73.1	3.7	219.8
	6/06/2021 14:00	759.1	0.0	22.9	72.3	2.7	223.7
	6/06/2021 15:00	758.8	0.0	22.7	71.4	2.5	204.5
	6/06/2021 16:00	758.2	0.0	22.1	72.2	2.3	192.8
	6/06/2021 17:00	759.5	0.0	22.1	72.4	1.7	199.7
7	6/06/2021 18:00	759.8	0.0	21.7	73.2	1.1	185.3
	6/06/2021 19:00	760.3	0.0	21.5	74.7	0.6	183.7
	6/06/2021 20:00	761.0	0.0	21.4	75.8	0.5	166.9
	6/06/2021 21:00	761.6	0.0	21.4	75.9	0.9	178.6
	6/06/2021 22:00	761.9	0.0	21.2	78.4	0.7	148.8
	6/06/2021 23:00	761.8	0.0	20.6	84.6	0.5	117.2
	7/06/2021 00:00	761.6	0.0	20.3	85.0	0.7	115.5
	7/06/2021 01:00	761.4	0.0	20.4	82.9	0.6	124.5
	7/06/2021 02:00	761.0	0.0	20.5	82.2	0.6	117.8
	7/06/2021 03:00	760.9	0.0	20.6	83.1	0.4	111.4
	7/06/2021 04:00	760.9	0.0	20.5	84.2	0.4	140.0
7	7/06/2021 05:00	761.0	0.0	20.4	85.6	0.3	151.4
	7/06/2021 06:00	761.2	0.0	20.4	85.8	0.3	134.1
	7/06/2021 07:00	761.2	0.0	20.5	85.6	0.6	126.5
	7/06/2021 08:00	761.7	0.0	21.1	83.9	1.0	122.0
	7/06/2021 09:00	761.9	0.0	22.4	78.8	1.0	130.1
	7/06/2021 10:00	761.7	0.0	24.0	71.3	1.0	145.8
	7/06/2021 11:00	761.1	0.0	24.9	69.2	1.8	226.5
	7/06/2021 12:00	760.5	0.0	24.0	73.0	2.9	229.4
	7/06/2021 13:00	759.8	0.0	23.6	73.9	3.1	224.5
	7/06/2021 14:00	759.2	0.0	23.9	71.5	2.5	227.9
	7/06/2021 15:00	758.5	0.0	23.7	70.7	2.6	233.2
8	7/06/2021 16:00	758.8	0.0	23.6	71.7	2.1	230.3
	7/06/2021 17:00	759.0	0.0	22.8	75.2	1.6	234.8
	7/06/2021 18:00	759.5	0.0	21.9	80.8	1.7	236.3
	7/06/2021 19:00	760.2	0.0	21.4	84.8	0.9	210.1
	7/06/2021 20:00	760.8	0.0	21.6	83.4	0.6	210.0
	7/06/2021 21:00	761.4	0.0	21.7	82.7	0.4	177.3
	7/06/2021 22:00	761.8	0.0	21.5	84.1	0.3	172.7
	7/06/2021 23:00						
	8/06/2021 00:00	761.8	0.0	20.9	87.2	0.6	138.0
	8/06/2021 01:00	761.6	0.0	20.5	87.2	0.5	126.0
	8/06/2021 02:00	761.3	0.0	20.5	86.7	0.5	124.4
8	8/06/2021 03:00	760.8	0.0	20.6	85.8	0.6	128.6
	8/06/2021 04:00	760.5	0.0	20.6	84.3	0.9	129.2
	8/06/2021 05:00	760.7	0.0	20.6	83.5	1.1	130.5
	8/06/2021 06:00	760.8	0.0	20.2	85.4	1.4	118.5
	8/06/2021 07:00	761.3	0.0	20.5	84.0	1.3	125.6
	8/06/2021 08:00	761.8	0.0	22.2	77.7	1.0	129.1
	8/06/2021 09:00	762.0	0.0	24.3	70.8	0.5	147.9
	8/06/2021 10:00	762.0	0.0	24.9	68.5	1.7	214.5
	8/06/2021 11:00	761.7	0.0	25.2	67.5	1.9	202.6
	8/06/2021 12:00	761.4	0.0	23.6	73.8	3.2	231.0
	8/06/2021 13:00	761.0	0.0	23.9	70.9	2.2	216.4
8	8/06/2021 14:00	760.4	0.0	24.5	68.2	2.8	231.2
	8/06/2021 15:00	759.9	0.0	23.4	74.9	2.2	226.7
	8/06/2021 16:00	759.8	0.0	23.2	75.5	1.6	219.3
	8/06/2021 17:00	760.1	0.0	22.8	76.9	1.3	214.7
	8/06/2021 18:00	760.6	0.0	22.7	75.1	0.9	177.8
	8/06/2021 19:00	761.4	0.0	22.1	79.6	0.8	171.7
	8/06/2021 20:00	762.0	0.0	21.4	85.7	0.8	186.3
	8/06/2021 21:00	762.5	0.0	21.3	86.2	0.8	170.1
	8/06/2021 22:00	762.8	0.0	21.3	85.0	0.8	179.5
	8/06/2021 23:00						
	9/06/2021 00:00	762.7	0.0	21.1	82.2	0.6	167.1
9	9/06/2021 01:00	762.3	0.0	21.0	82.3	0.5	171.4
	9/06/2021 02:00	761.7	0.0	21.0	81.2	0.7	130.5
	9/06/2021 03:00	761.6	0.0	21.0	79.4	1.2	120.2
	9/06/2021 04:00	761.6	0.0	21.0	78.6	1.1	135.1
	9/06/2021 05:00	761.8	0.0	20.8	80.8	1.0	145.2
	9/06/2021 06:00	762.0	0.0	20.6	82.2	1.4	134.1
	9/06/2021 07:00	762.4	0.0	20.5	83.0	2.0	124.4
	9/06/2021 08:00	763.1	0.0	21.0	81.0	2.0	127.0
	9/06/2021 09:00	763.4	0.0	21.7	78.5	2.1	120.3
	9/06/2021 10:00	763.3	0.0	22.1	77.6	2.1	113.1
	9/06/2021 11:00	762.9	0.0	23.9	72.4	1.8	113.9
9	9/06/2021 12:00	762.4	0.0	26.1	64.9	1.4	126.7
	9/06/2021 13:00	761.7	0.0	26.8	62.3	2.3	179.6
	9/06/2021 14:00	761.1	0.0	26.0	64.9	2.6	188.3
	9/06/2021 15:00	760.6	0.0	25.1	67.4	3.0	182.3
	9/06/2021 16:00	760.5	0.0	24.2	70.2	3.7	186.1
	9/06/2021 17:00	760.8	0.0	23.1	74.5	2.9	182.5
	9/06/2021 18:00	761.1	0.0	22.2	78.4	2.9	185.1
	9/06/2021 19:00	761.7	0.0	21.6	81.8	2.1	186.5
	9/06/2021 20:00	762.2	0.0	21.4	82.0	1.4	188.3
	9/06/2021 21:00	762.6	0.0	21.4	80.0	1.2	167.4
	9/06/2021 22:00	762.7	0.0	21.4	78.2	1.2	151.0
9/06/2021 23:00							
10	10/06/2021 00:00	762.9	0.0	21.1	79.4	0.8	168.2
	10/06/2021 01:00	762.4	0.0	20.9	79.9	1.0	101.4
	10/06/2021 02:00	762.0	0.0	20.6	80.8	1.5	123.3
	10/06/2021 03:00	761.6	0.0	20.4	82.2	1.4	121.3
	10/06/2021 04:00	761.5	0.0	20.3	83.5	1.5	127.0
	10/06/2021 05:00	761.4	0.0	20.3	84.0	1.8	132.4
	10/06/2021 06:00	761.5	0.0	20.2	85.0	1.6	119.0
	10/06/2021 07:00	762.0	0.0	20.4	84.7	1.6	117.9
	10/06/2021 08:00	762.6	0.0	21.0	82.8	1.5	120.8
	10/06/2021 09:00	762.9	0.0	21.5	80.9	1.1	173.7
	10/06/2021 10:00	762.5	0.0	21.6	79.4	1.5	140.6
10	10/06/2021 11:00	762.0	0.0	22.5	75.5	1.7	178.1
	10/06/2021 12:00	761.4	0.0	23.6	70.8	1.6	118.6
	10/06/2021 13:00	760.5	0.0	24.9	65.9	1.8	134.5
	10/06/2021 14:00	759.8	0.0	25.5	63.4	2.1	179.6
	10/06/2021 15:00	759.3	0.0	24.8	65.8	2.7	189.2
	10/06/2021 16:00	759.1	0.0	23.8	70.0	2.5	186.0
	10/06/2021 17:00	759.2	0.0	23.8	73.6	2.2	185.3
	10/06/2021 18:00	758.6	0.0	21.8	78.6	1.9	174.4
	10/06/2021 19:00	760.2	0.0	21.0	80.1	1.7	166.2
	10/06/2021 20:00	760.9	0.0	20.7	80.3	1.4	176.3

11	10/06/2021 21:00	761.6	0.0	20.2	82.8	1.1	174.0
	10/06/2021 22:00	762.0	0.0	19.9	83.7	1.0	189.2
	10/06/2021 23:00	761.8	0.0	19.8	83.4	1.2	159.5
	11/06/2021 00:00	761.6	0.0	19.7	84.3	1.5	175.3
	11/06/2021 01:00	761.3	0.0	19.5	86.2	1.4	172.1
	11/06/2021 02:00	760.9	0.0	19.3	87.9	1.1	182.6
	11/06/2021 03:00	760.4	0.0	19.3	87.1	1.4	172.2
	11/06/2021 04:00	760.3	0.0	19.3	85.2	1.2	182.4
	11/06/2021 05:00	760.2	0.0	19.2	86.2	1.0	183.4
	11/06/2021 06:00	760.4	0.0	19.2	85.4	1.0	148.0
	11/06/2021 07:00	760.7	0.0	19.8	82.4	1.0	142.3
	11/06/2021 08:00	761.1	0.0	20.7	78.8	1.2	125.8
	11/06/2021 09:00	760.9	0.0	21.9	75.6	1.6	132.4
	11/06/2021 10:00	760.8	0.0	23.5	70.0	1.7	129.0
	11/06/2021 11:00	760.4	0.0	24.9	65.2	1.6	158.1
	11/06/2021 12:00	759.8	0.0	25.4	63.3	2.0	187.8
	11/06/2021 13:00	759.4	0.0	25.0	63.5	2.6	193.3
	11/06/2021 14:00	759.0	0.0	24.2	65.7	2.9	169.8
	11/06/2021 15:00	758.8	0.0	23.5	68.3	2.7	191.3
	11/06/2021 16:00	758.8	0.0	22.9	71.0	2.2	184.1
	11/06/2021 17:00	759.2	0.0	22.2	73.0	2.0	188.0
	11/06/2021 18:00	759.9	0.0	21.0	76.8	1.6	183.6
	11/06/2021 19:00	760.6	0.0	20.6	80.1	1.6	184.1
	11/06/2021 20:00	761.2	0.0	20.4	81.6	1.6	181.4
11/06/2021 21:00	761.7	0.0	20.4	81.7	1.4	182.8	
11/06/2021 22:00	761.9	0.0	20.3	82.2	1.3	184.1	
11/06/2021 23:00	762.0	0.0	20.2	81.6	1.3	175.1	
12	12/06/2021 00:00	761.7	0.0	20.2	81.0	1.0	175.2
	12/06/2021 01:00	761.2	0.0	20.1	80.5	1.1	181.9
	12/06/2021 02:00	760.5	0.0	19.9	80.9	1.2	178.9
	12/06/2021 03:00	760.1	0.0	19.8	82.0	0.8	174.7
	12/06/2021 04:00	760.0	0.0	19.5	84.5	0.9	176.6
	12/06/2021 05:00	760.2	0.0	19.7	82.4	0.8	136.3
	12/06/2021 06:00	760.3	0.0	19.7	80.2	1.1	128.2
	12/06/2021 07:00	760.5	0.0	19.8	79.7	1.3	127.3
	12/06/2021 08:00	760.9	0.0	20.5	77.8	1.5	122.4
	12/06/2021 09:00	761.2	0.0	22.4	72.3	1.3	138.2
	12/06/2021 10:00	760.9	0.0	24.0	67.0	1.3	162.9
	12/06/2021 11:00	760.2	0.0	24.7	66.2	1.7	178.0
	12/06/2021 12:00	759.7	0.0	24.9	66.1	2.1	188.5
	12/06/2021 13:00	759.2	0.0	24.5	66.7	2.7	182.9
	12/06/2021 14:00	758.4	0.0	24.1	67.0	2.9	188.0
	12/06/2021 15:00	758.1	0.0	23.6	69.5	2.6	185.1
	12/06/2021 16:00	758.4	0.0	22.6	72.0	2.7	188.5
	12/06/2021 17:00	759.0	0.0	21.7	75.9	2.8	181.6
	12/06/2021 18:00	759.6	0.0	20.8	79.7	1.8	185.0
	12/06/2021 19:00	760.5	0.0	20.2	82.2	1.9	185.3
	12/06/2021 20:00	761.1	0.0	20.0	82.8	1.8	175.5
	12/06/2021 21:00	761.8	0.0	19.9	83.1	2.0	184.4
	12/06/2021 22:00	762.2	0.0	19.8	83.2	2.1	192.5
	12/06/2021 23:00	762.3	0.0	19.9	82.3	1.6	179.2
13	13/06/2021 00:00	762.4	0.0	19.9	82.6	1.3	181.6
	13/06/2021 01:00	762.0	0.0	19.9	81.6	0.9	168.9
	13/06/2021 02:00	761.7	0.0	20.0	80.8	0.9	176.6
	13/06/2021 03:00	761.3	0.3	19.5	84.9	0.9	189.4
	13/06/2021 04:00	761.0	0.0	19.6	85.9	0.8	183.5
	13/06/2021 05:00	761.1	0.0	19.6	85.2	0.8	173.3
	13/06/2021 06:00	761.3	0.0	19.6	83.2	0.7	162.8
	13/06/2021 07:00	761.7	0.0	19.9	80.9	1.0	142.3
	13/06/2021 08:00	762.0	0.0	20.7	78.4	0.9	108.0
	13/06/2021 09:00	762.1	0.0	21.6	75.8	1.3	142.2
	13/06/2021 10:00	761.8	0.0	22.9	71.9	1.0	132.7
	13/06/2021 11:00	761.3	0.0	25.5	64.7	1.0	172.3
	13/06/2021 12:00	760.3	0.0	25.9	63.2	2.1	221.6
	13/06/2021 13:00	759.5	0.0	25.7	63.2	2.2	209.9
	13/06/2021 14:00	758.9	0.0	24.9	64.6	2.3	190.7
	13/06/2021 15:00	758.5	0.0	24.4	65.5	2.2	187.1
	13/06/2021 16:00	758.4	0.0	23.5	67.7	2.1	183.0
	13/06/2021 17:00	758.6	0.0	22.3	72.4	1.8	180.5
	13/06/2021 18:00	759.1	0.0	20.8	79.5	1.8	185.6
	13/06/2021 19:00	759.7	0.0	20.2	83.6	1.6	181.7
	13/06/2021 20:00	760.4	0.0	20.0	85.1	1.9	177.6
	13/06/2021 21:00	761.1	0.0	19.7	86.4	2.1	184.3
	13/06/2021 22:00	761.6	0.0	19.6	86.7	1.6	180.3
	13/06/2021 23:00	762.2	0.0	19.5	87.1	1.2	186.0
14	14/06/2021 00:00	762.4	0.0	19.4	87.9	1.1	198.9
	14/06/2021 01:00	762.3	0.0	19.5	87.8	1.1	195.2
	14/06/2021 02:00	762.1	0.0	19.4	87.9	1.2	205.3
	14/06/2021 03:00	761.9	0.0	19.6	87.1	1.0	184.0
	14/06/2021 04:00	761.7	0.0	19.7	86.2	0.4	159.5
	14/06/2021 05:00	761.6	0.0	19.7	85.8	0.4	171.4
	14/06/2021 06:00	761.7	0.0	19.9	84.9	0.5	130.4
	14/06/2021 07:00	762.0	0.0	20.2	82.6	0.8	118.2
	14/06/2021 08:00	762.4	0.0	21.6	76.4	0.8	111.3
	14/06/2021 09:00	762.5	0.0	23.6	69.7	0.7	140.9
	14/06/2021 10:00	762.5	0.0	23.8	69.9	2.7	237.8
	14/06/2021 11:00	762.2	0.0	24.0	68.7	3.0	234.4
	14/06/2021 12:00	761.8	0.0	23.8	68.8	2.8	227.8
	14/06/2021 13:00	761.5	0.0	23.1	72.0	2.5	214.6
	14/06/2021 14:00	761.2	0.0	22.9	75.0	2.1	226.8
	14/06/2021 15:00	761.1	0.0	22.7	76.2	2.2	222.2
	14/06/2021 16:00	761.0	0.0	22.6	76.1	1.6	208.1
	14/06/2021 17:00	761.5	0.0	22.3	76.8	1.2	196.0
	14/06/2021 18:00	762.1	0.0	21.4	81.1	1.1	188.0
	14/06/2021 19:00	762.6	0.0	20.9	83.2	1.1	161.3
	14/06/2021 20:00	763.2	0.0	21.2	81.6	1.1	168.8
	14/06/2021 21:00	763.5	0.0	21.2	79.4	0.7	163.7
	14/06/2021 22:00	763.6	0.0	21.3	75.0	0.7	147.0
	14/06/2021 23:00						
15	15/06/2021 00:00	763.2	0.0	21.2	77.3	0.7	137.7
	15/06/2021 01:00	762.7	0.0	21.3	77.5	0.7	140.8
	15/06/2021 02:00	762.1	0.0	21.5	75.7	1.0	123.0
	15/06/2021 03:00	761.7	0.0	21.7	74.6	0.8	125.8
	15/06/2021 04:00	761.6	0.0	21.6	74.5	0.7	124.9
	15/06/2021 05:00	761.8	0.0	21.5	75.0	0.6	135.2
	15/06/2021 06:00	762.0	0.0	21.3	77.0	1.0	121.4
	15/06/2021 07:00	762.3	0.0	21.1	80.7	0.7	137.8
	15/06/2021 08:00	762.8	0.0	21.3	83.5	0.6	125.8
	15/06/2021 09:00	762.9	0.0	22.0	82.1	0.8	134.3
	15/06/2021 10:00	762.7	0.0	24.4	71.5	0.9	152.1
	15/06/2021 11:00	762.3	0.0	25.4	65.5	1.0	187.8
	15/06/2021 12:00	761.9	0.0	23.7	71.0	2.1	232.9
	15/06/2021 13:00	761.6	0.0	23.4	71.6	1.9	229.9
	15/06/2021 14:00	761.0	0.0	23.7	70.3	1.9	232.6
	15/06/2021 15:00	760.6	0.0	24.0	69.4	2.3	235.6
	15/06/2021 16:00	760.6	0.0	23.1	72.8	2.2	225.1
	15/06/2021 17:00	760.6	0.0	22.6	74.0	1.4	208.3
	15/06/2021 18:00	761.2	0.0	22.4	76.6	1.0	200.7
	15/06/2021 19:00	761.6	0.0	21.7	79.8	0.7	181.8
	15/06/2021 20:00	761.9	0.0	21.2	81.8	0.8	185.1
	15/06/2021 21:00	762.0	0.0	20.9	83.5	0.9	150.4
	15/06/2021 22:00	761.9	0.0	20.7	83.8	0.8	124.1
	15/06/2021 23:00	761.5	0.0	20.7	84.3	0.7	149.0
16/06/2021 00:00	761.1	0.0	21.0	82.0	1.0	126.0	
16/06/2021 01:00	760.7	0.0	21.4	76.9	1.2	142.4	
16/06/2021 02:00	760.0	0.0	21.1	77.3	1.1	142.3	
16/06/2021 03:00	759.3	0.0	20.7	78.0	1.5	134.4	
16/06/2021 04:00	759.2	0.0	20.6	78.6	1.9	144.1	
16/06/2021 05:00	759.6	0.0	20.5	78.5	1.4	170.2	
16/06/2021 06:00	759.8	0.0	20.4	78.5	1.1	199.8	
16/06/2021 07:00	759.9	0.0	20.7	77.9	1.5	145.5	
16/06/2021 08:00	760.4	0.0	21.6	75.5	1.4	127.1	

16	16/06/2021 09:00	760.8	0.0	22.9	71.7	1.2	130.3
	16/06/2021 10:00	760.5	0.0	25.1	64.5	1.3	158.7
	16/06/2021 11:00	760.1	0.0	26.5	60.1	1.7	175.9
	16/06/2021 12:00	759.8	0.0	26.2	61.1	2.5	186.7
	16/06/2021 13:00	759.3	0.0	25.7	63.6	2.6	201.0
	16/06/2021 14:00	758.8	0.0	23.8	72.7	2.7	227.8
	16/06/2021 15:00	758.4	0.0	23.5	73.4	2.4	201.2
	16/06/2021 16:00	758.6	0.0	23.0	74.5	2.8	189.0
	16/06/2021 17:00	759.0	0.0	22.1	78.3	2.4	183.5
	16/06/2021 18:00	759.6	0.0	20.9	83.4	1.8	186.6
	16/06/2021 19:00	760.2	0.0	20.4	85.4	1.1	152.5
	16/06/2021 20:00	760.8	0.0	20.3	86.5	1.1	176.2
17	16/06/2021 21:00	761.2	0.0	20.2	87.0	0.9	172.7
	16/06/2021 22:00	761.4	0.0	20.1	87.4	1.2	181.6
	16/06/2021 23:00	761.3	0.0	20.0	87.9	1.0	175.5
	17/06/2021 00:00	760.9	0.0	20.2	87.1	0.9	165.2
	17/06/2021 01:00	760.4	0.0	20.3	86.2	1.1	189.0
	17/06/2021 02:00	760.0	0.0	20.4	85.0	1.1	176.0
	17/06/2021 03:00	759.7	0.0	20.5	83.5	1.0	128.3
	17/06/2021 04:00	759.8	0.0	20.4	83.1	1.0	140.7
	17/06/2021 05:00	759.9	0.0	20.3	82.6	0.9	137.1
	17/06/2021 06:00	760.0	0.0	20.2	82.3	0.9	121.1
	17/06/2021 07:00	760.2	0.0	20.5	81.4	0.9	133.5
	17/06/2021 08:00	760.6	0.0	21.5	77.7	1.1	104.6
	17/06/2021 09:00	760.6	0.0	22.7	73.3	1.1	146.9
	17/06/2021 10:00	760.4	0.0	24.3	67.9	1.3	183.2
	17/06/2021 11:00	760.0	0.0	25.1	64.6	1.7	174.1
	17/06/2021 12:00	759.5	0.0	25.7	62.9	1.7	196.2
	17/06/2021 13:00	758.9	0.0	25.2	64.1	2.3	206.7
	17/06/2021 14:00	758.4	0.0	25.0	64.3	1.8	203.5
	17/06/2021 15:00	758.0	0.0	24.2	67.2	2.0	189.5
	17/06/2021 16:00	758.1	0.0	23.4	70.3	1.7	184.3
	17/06/2021 17:00	758.7	0.0	22.3	75.0	1.5	192.0
	17/06/2021 18:00	759.1	0.0	20.8	81.6	1.4	185.0
	17/06/2021 19:00	759.8	0.0	20.1	85.3	1.2	180.8
	17/06/2021 20:00	760.4	0.0	19.8	86.9	1.4	175.0
17/06/2021 21:00	760.8	0.0	19.7	87.6	1.0	187.4	
17/06/2021 22:00	760.8	0.0	19.6	87.7	1.2	182.2	
17/06/2021 23:00	760.9	0.0	19.5	86.7	0.7	166.9	
18	18/06/2021 00:00	760.6	0.0	19.4	84.2	0.5	152.3
	18/06/2021 01:00	760.3	0.0	19.4	82.4	0.6	130.3
	18/06/2021 02:00	760.2	0.0	18.3	86.7	0.6	137.1
	18/06/2021 03:00	759.9	0.0	19.2	79.0	0.6	144.5
	18/06/2021 04:00	760.0	0.0	19.4	79.2	0.7	163.4
	18/06/2021 05:00	760.4	0.0	19.4	79.4	0.8	166.0
	18/06/2021 06:00	760.9	0.0	19.4	80.0	0.7	155.4
	18/06/2021 07:00	761.5	0.0	19.6	80.3	0.9	128.4
	18/06/2021 08:00	762.0	0.0	20.1	79.5	0.9	110.2
	18/06/2021 09:00	762.1	0.0	21.0	77.0	1.1	127.9
	18/06/2021 10:00	761.9	0.0	22.1	74.0	1.2	182.8
	18/06/2021 11:00	761.4	0.0	22.7	71.3	1.8	188.6
	18/06/2021 12:00	760.9	0.0	23.2	68.6	1.7	181.1
	18/06/2021 13:00	760.1	0.0	23.9	65.2	2.2	179.6
	18/06/2021 14:00	759.5	0.0	24.3	62.9	2.6	177.9
	18/06/2021 15:00	759.0	0.0	24.1	62.6	2.6	185.7
	18/06/2021 16:00	759.0	0.0	23.2	68.3	2.7	183.1
	18/06/2021 17:00	759.3	0.0	22.1	71.4	2.6	182.0
	18/06/2021 18:00	759.9	0.0	21.0	74.6	1.8	178.6
	18/06/2021 19:00	760.6	0.0	20.5	78.0	1.4	177.9
	18/06/2021 20:00	761.2	0.0	20.1	80.7	1.1	185.2
	18/06/2021 21:00	761.5	0.0	20.0	82.2	1.1	181.0
	18/06/2021 22:00	761.8	0.0	19.9	83.3	0.9	177.8
	18/06/2021 23:00	761.7	0.0	20.0	81.1	0.9	176.0
19	19/06/2021 00:00	761.7	0.0	19.9	81.2	1.2	176.0
	19/06/2021 01:00	761.5	0.0	20.1	78.9	1.0	186.9
	19/06/2021 02:00	761.0	0.0	19.8	77.3	1.0	115.9
	19/06/2021 03:00	760.9	0.0	18.4	75.5	1.4	132.1
	19/06/2021 04:00	760.9	0.0	19.2	80.2	1.8	138.5
	19/06/2021 05:00	761.0	0.0	19.4	78.7	2.1	124.1
	19/06/2021 06:00	761.3	0.0	19.6	77.6	2.0	117.6
	19/06/2021 07:00	761.5	0.0	20.1	76.1	1.9	122.3
	19/06/2021 08:00	762.0	0.0	20.9	74.0	1.5	111.3
	19/06/2021 09:00	762.1	0.0	22.0	70.4	1.5	145.2
	19/06/2021 10:00	762.0	0.0	23.8	65.8	1.3	175.7
	19/06/2021 11:00	761.6	0.0	24.8	61.8	2.0	183.1
	19/06/2021 12:00	761.0	0.0	25.0	61.5	2.2	187.6
	19/06/2021 13:00	760.6	0.0	25.0	61.6	2.1	182.3
	19/06/2021 14:00	760.2	0.0	23.4	68.5	2.5	222.6
	19/06/2021 15:00	760.2	0.0	23.0	69.9	1.9	192.3
	19/06/2021 16:00	760.4	0.0	23.2	67.5	1.7	186.5
	19/06/2021 17:00	760.7	0.0	22.0	71.8	1.7	179.9
	19/06/2021 18:00	761.0	0.0	21.0	76.5	0.9	150.7
	19/06/2021 19:00	761.5	0.0	20.6	79.2	0.7	155.3
	19/06/2021 20:00	762.0	0.0	20.3	81.0	1.2	176.5
	19/06/2021 21:00	762.2	0.0	20.1	82.3	1.5	181.8
	19/06/2021 22:00	762.1	0.0	20.0	82.5	1.2	181.9
	19/06/2021 23:00	762.0	0.0	19.9	83.0	1.1	187.2
20	20/06/2021 00:00	762.0	0.0	19.9	83.6	0.9	184.7
	20/06/2021 01:00	761.5	0.0	20.2	79.5	0.8	167.5
	20/06/2021 02:00	761.3	0.0	20.1	78.5	0.9	135.4
	20/06/2021 03:00	760.9	0.0	19.9	79.3	1.3	140.0
	20/06/2021 04:00	760.8	0.0	19.8	79.7	1.9	139.6
	20/06/2021 05:00	761.1	0.0	19.8	79.6	2.3	127.1
	20/06/2021 06:00	761.5	0.0	19.7	78.3	2.1	124.2
	20/06/2021 07:00	762.1	0.0	19.4	81.9	1.8	122.4
	20/06/2021 08:00	762.5	0.0	19.8	80.4	2.0	126.3
	20/06/2021 09:00	762.7	0.0	21.0	75.8	1.7	126.1
	20/06/2021 10:00	762.7	0.0	22.2	72.4	1.6	131.1
	20/06/2021 11:00	762.1	0.0	24.0	65.5	1.3	150.8
	20/06/2021 12:00	761.5	0.0	25.0	62.6	1.5	143.0
	20/06/2021 13:00	760.8	0.0	23.9	65.6	2.7	186.2
	20/06/2021 14:00	760.2	0.0	24.6	63.3	2.9	185.4
	20/06/2021 15:00	759.7	0.0	23.7	67.4	3.0	188.8
	20/06/2021 16:00	759.7	0.0	23.4	69.6	3.3	185.8
	20/06/2021 17:00	760.0	0.0	22.3	73.8	2.5	191.5
	20/06/2021 18:00	760.6	0.0	21.0	79.6	2.3	182.5
	20/06/2021 19:00	761.3	0.0	20.4	82.8	1.3	183.7
	20/06/2021 20:00	762.0	0.0	20.2	83.5	1.0	173.4
	20/06/2021 21:00	762.3	0.0	20.2	82.5	0.9	174.6
	20/06/2021 22:00	762.5	0.0	20.2	81.4	1.0	149.1
	20/06/2021 23:00	762.7	0.0	20.0	80.4	0.8	145.8
21	21/06/2021 00:00	762.5	0.0	19.8	79.6	1.4	133.6
	21/06/2021 01:00	762.4	0.0	19.6	80.2	1.3	121.0
	21/06/2021 02:00	762.0	0.0	19.4	81.1	1.3	134.1
	21/06/2021 03:00	761.6	0.0	19.3	82.0	1.2	136.7
	21/06/2021 04:00	761.3	0.0	19.0	83.3	1.1	150.2
	21/06/2021 05:00	761.5	0.0	19.0	83.6	0.9	167.5
	21/06/2021 06:00	761.7	0.0	19.1	83.8	1.1	182.3
	21/06/2021 07:00	762.1	0.0	19.6	82.7	1.1	129.8
	21/06/2021 08:00	762.5	0.0	20.6	78.8	1.1	121.4
	21/06/2021 09:00	762.8	0.0	21.7	74.7	1.1	119.7
	21/06/2021 10:00	762.7	0.0	22.9	70.6	1.3	156.3
	21/06/2021 11:00	762.2	0.0	24.3	66.7	1.4	137.9
21/06/2021 12:00	761.7	0.0	24.9	64.2	2.1	195.8	
21/06/2021 13:00	761.3	0.0	23.8	68.3	2.7	220.0	
21/06/2021 14:00	760.7	0.0	22.4	72.9	3.0	229.5	
21/06/2021 15:00	760.2	0.0	21.9	76.0	2.7	231.3	
21/06/2021 16:00	760.3	0.0	21.4	79.5	2.3	223.6	
21/06/2021 17:00	760.6	0.0	20.7	82.7	1.7	206.3	
21/06/2021 18:00	761.0	0.0	20.7	86.3	1.7	190.5	
21/06/2021 19:00	761.6	0.0	19.3	88.9	1.0	176.9	
21/06/2021 20:00	762.2	0.0	19.0	90.4	1.3	170.5	

22	21/06/2021 21:00	763.0	0.0	18.9	90.9	1.1	172.3
	21/06/2021 22:00	763.4	0.0	18.8	91.1	0.9	167.4
	21/06/2021 23:00	763.4	0.0	19.3	89.4	0.9	179.6
	22/06/2021 00:00	763.5	0.0	19.4	88.3	0.9	145.8
	22/06/2021 01:00	763.2	0.0	19.4	88.2	0.8	158.6
	22/06/2021 02:00	762.8	0.0	19.5	88.5	0.8	178.6
	22/06/2021 03:00	762.4	0.0	19.5	88.5	0.8	156.4
	22/06/2021 04:00	762.0	0.0	19.8	85.7	1.1	140.1
	22/06/2021 05:00	761.9	0.0	20.0	83.4	1.1	134.7
	22/06/2021 06:00	761.9	0.0	20.1	82.9	0.8	119.4
	22/06/2021 07:00	762.3	0.0	20.5	81.6	0.8	166.9
	22/06/2021 08:00	762.8	0.0	21.6	77.4	0.9	132.9
	22/06/2021 09:00	762.9	0.0	23.0	72.6	1.1	127.5
	22/06/2021 10:00	762.8	0.0	24.1	68.3	1.1	155.0
	22/06/2021 11:00	762.5	0.0	24.9	65.8	1.6	182.2
	22/06/2021 12:00	762.2	0.0	25.0	65.3	2.2	194.5
	22/06/2021 13:00	761.6	0.0	25.1	64.6	2.4	197.6
	22/06/2021 14:00	761.0	0.0	24.6	65.5	2.5	208.9
	22/06/2021 15:00	760.5	0.0	23.3	68.9	2.8	215.1
	22/06/2021 16:00	760.5	0.0	23.2	69.6	1.9	206.8
	22/06/2021 17:00	760.7	0.0	23.0	69.8	1.5	197.9
	22/06/2021 18:00	761.1	0.0	21.8	72.9	1.4	171.4
	22/06/2021 19:00	761.6	0.0	20.8	78.7	1.4	176.9
	22/06/2021 20:00	762.3	0.0	20.2	82.1	0.8	162.3
22/06/2021 21:00	763.2	0.0	20.1	82.0	0.9	163.1	
22/06/2021 22:00	763.3	0.0	20.1	81.8	1.0	165.7	
22/06/2021 23:00	763.1	0.0	20.2	80.8	0.8	134.7	
23	23/06/2021 00:00	762.6	0.0	20.1	81.1	0.9	170.6
	23/06/2021 01:00	762.3	0.0	20.4	79.6	1.4	133.7
	23/06/2021 02:00	761.8	0.0	20.4	79.0	1.9	127.3
	23/06/2021 03:00	761.4	0.0	20.1	79.7	2.0	128.1
	23/06/2021 04:00	761.2	0.0	20.0	80.0	1.6	140.5
	23/06/2021 05:00	761.1	0.0	19.9	79.9	1.6	127.5
	23/06/2021 06:00	761.4	0.0	19.9	79.8	1.6	132.9
	23/06/2021 07:00	761.5	0.0	20.3	78.2	1.9	126.9
	23/06/2021 08:00	762.0	0.0	20.8	75.9	1.4	135.0
	23/06/2021 09:00	762.1	0.0	21.8	73.0	1.4	114.3
	23/06/2021 10:00	762.1	0.0	24.6	64.4	1.2	166.0
	23/06/2021 11:00	761.8	0.0	25.0	64.3	1.9	205.3
	23/06/2021 12:00	761.5	0.0	24.8	64.6	2.1	212.5
	23/06/2021 13:00	761.0	0.0	24.5	65.3	2.2	205.0
	23/06/2021 14:00	760.4	0.0	22.6	72.6	1.8	225.8
	23/06/2021 15:00	760.2	0.0	22.1	74.3	2.5	216.0
	23/06/2021 16:00	760.3	0.0	22.1	74.5	2.2	212.8
	23/06/2021 17:00	760.6	0.0	21.5	75.7	2.2	190.1
	23/06/2021 18:00	761.1	0.0	20.4	80.5	1.9	183.3
	23/06/2021 19:00	761.7	0.0	19.8	83.4	1.4	181.6
	23/06/2021 20:00	762.2	0.0	19.5	85.9	2.4	186.4
	23/06/2021 21:00	762.7	0.0	19.4	86.4	2.3	180.6
	23/06/2021 22:00	762.8	0.0	19.6	85.9	1.8	188.4
	23/06/2021 23:00	762.9	0.0	20.3	82.2	1.5	183.3
24	24/06/2021 00:00	762.9	0.0	20.4	81.1	1.4	181.5
	24/06/2021 01:00	762.8	0.0	20.1	83.0	1.6	182.0
	24/06/2021 02:00	762.5	0.0	19.8	85.1	0.9	188.4
	24/06/2021 03:00	762.5	0.0	19.3	88.3	1.3	179.9
	24/06/2021 04:00	762.5	0.0	18.9	90.9	1.1	192.1
	24/06/2021 05:00	762.5	0.0	18.7	91.5	0.6	191.8
	24/06/2021 06:00	762.6	0.0	19.0	87.9	0.7	164.7
	24/06/2021 07:00	762.9	0.0	19.3	87.0	0.9	186.9
	24/06/2021 08:00	763.3	0.0	19.5	87.8	1.1	181.1
	24/06/2021 09:00	763.4	0.0	21.1	78.7	1.4	175.5
	24/06/2021 10:00	763.2	0.0	22.0	74.6	1.5	184.9
	24/06/2021 11:00	762.9	0.0	22.9	69.6	1.2	146.0
	24/06/2021 12:00	762.1	0.0	24.2	63.8	1.9	172.7
	24/06/2021 13:00	761.5	0.0	24.7	62.2	1.9	188.5
	24/06/2021 14:00	760.9	0.0	24.2	63.8	2.8	188.1
	24/06/2021 15:00	760.3	0.0	23.3	68.7	2.9	182.4
	24/06/2021 16:00	760.2	0.0	22.7	70.5	2.8	182.1
	24/06/2021 17:00	760.4	0.0	21.5	76.0	2.4	189.1
	24/06/2021 18:00	760.9	0.0	20.2	81.4	1.3	184.6
	24/06/2021 19:00	761.5	0.0	19.7	83.8	1.0	188.0
	24/06/2021 20:00	761.9	0.0	19.4	86.1	0.9	154.4
	24/06/2021 21:00	762.4	0.0	19.2	87.1	0.8	130.7
	24/06/2021 22:00	762.2	0.0	19.3	86.0	0.8	151.5
	24/06/2021 23:00	762.2	0.0	19.8	81.5	0.8	142.7
25	25/06/2021 00:00	761.7	0.0	19.9	79.7	0.9	149.8
	25/06/2021 01:00	761.3	0.0	19.7	80.0	0.8	188.9
	25/06/2021 02:00	761.3	0.0	19.7	79.5	1.0	171.3
	25/06/2021 03:00	761.3	0.0	19.6	79.7	1.0	136.6
	25/06/2021 04:00	760.9	0.0	19.2	81.4	1.4	134.3
	25/06/2021 05:00	760.9	0.0	18.8	82.8	1.4	134.0
	25/06/2021 06:00	761.0	0.0	18.6	84.0	1.5	122.1
	25/06/2021 07:00	761.4	0.0	19.1	82.6	1.8	121.6
	25/06/2021 08:00	761.9	0.0	20.5	77.2	2.2	125.2
	25/06/2021 09:00	762.2	0.0	22.1	71.9	1.5	123.0
	25/06/2021 10:00	761.9	0.0	24.0	65.8	1.2	147.4
	25/06/2021 11:00	761.5	0.0	24.7	63.4	2.0	179.0
	25/06/2021 12:00	761.1	0.0	24.4	64.7	2.5	193.0
	25/06/2021 13:00	760.3	0.0	23.8	66.4	2.9	181.8
	25/06/2021 14:00	759.5	0.0	23.4	67.4	2.8	190.1
	25/06/2021 15:00	759.0	0.0	22.6	70.0	2.5	183.7
	25/06/2021 16:00	759.1	0.0	21.9	73.0	2.4	185.7
	25/06/2021 17:00	758.2	0.0	21.1	76.0	2.5	181.6
	25/06/2021 18:00	758.5	0.0	20.2	80.1	1.6	178.7
	25/06/2021 19:00	760.2	0.0	19.9	81.7	2.0	184.3
	25/06/2021 20:00	760.7	0.0	19.9	80.4	1.8	187.3
	25/06/2021 21:00	761.2	0.0	19.9	80.7	1.5	179.9
	25/06/2021 22:00	761.4	0.0	19.7	81.5	1.1	171.9
	25/06/2021 23:00	761.4	0.0	19.6	80.2	1.1	133.7
26	26/06/2021 00:00	761.3	0.0	19.5	78.3	1.2	131.7
	26/06/2021 01:00	761.0	0.0	19.3	78.3	1.2	140.5
	26/06/2021 02:00	760.6	0.0	19.1	78.0	1.6	124.0
	26/06/2021 03:00	760.2	0.0	18.9	78.6	1.8	117.7
	26/06/2021 04:00	760.2	0.0	18.8	79.1	1.9	120.3
	26/06/2021 05:00	760.5	0.0	18.7	79.4	2.0	128.3
	26/06/2021 06:00	760.7	0.0	18.4	80.9	1.9	121.9
	26/06/2021 07:00	761.2	0.0	18.8	80.8	1.9	128.8
	26/06/2021 08:00	761.7	0.0	20.1	76.7	1.8	135.8
	26/06/2021 09:00	762.1	0.0	21.0	73.7	1.4	138.4
	26/06/2021 10:00	762.0	0.0	22.6	68.0	1.4	184.2
	26/06/2021 11:00	761.7	0.0	23.6	65.6	2.0	191.2
	26/06/2021 12:00	761.3	0.0	23.6	65.8	2.2	186.9
	26/06/2021 13:00	760.6	0.0	24.4	63.2	2.1	181.9
26/06/2021 14:00	759.9	0.0	23.9	65.2	2.4	191.6	
26/06/2021 15:00	759.5	0.0	22.8	71.1	2.6	218.4	
26/06/2021 16:00	759.5	0.0	22.2	73.5	2.1	205.2	
26/06/2021 17:00	759.7	0.0	21.6	75.6	1.8	188.5	
26/06/2021 18:00	760.0	0.0	20.8	77.6	1.4	185.3	
26/06/2021 19:00	760.5	0.0	20.1	80.9	1.0	170.9	

27	26/06/2021 20:00	761.1	0.0	19.7	83.4	0.8	166.3
	26/06/2021 21:00	761.6	0.0	19.5	85.2	0.7	138.7
	26/06/2021 22:00	761.8	0.0	19.3	86.8	0.6	166.1
	26/06/2021 23:00	761.7	0.0	19.1	87.6	0.7	186.4
	27/06/2021 00:00	761.6	0.0	18.9	88.1	0.5	187.7
	27/06/2021 01:00	761.4	0.0	19.0	86.5	0.8	186.1
	27/06/2021 02:00	761.1	0.0	19.2	83.0	1.0	135.9
	27/06/2021 03:00	760.7	0.0	19.3	81.9	1.0	137.8
	27/06/2021 04:00	760.6	0.0	19.2	81.7	1.1	110.7
	27/06/2021 05:00	760.7	0.0	19.0	81.8	1.2	126.0
	27/06/2021 06:00	760.7	0.0	19.1	81.4	1.0	120.8
	27/06/2021 07:00	761.2	0.0	19.3	80.4	1.0	126.8
	27/06/2021 08:00	761.6	0.0	20.2	77.0	1.4	123.1
	27/06/2021 09:00	761.7	0.0	21.1	73.8	1.5	127.6
	27/06/2021 10:00	761.4	0.0	22.5	69.2	1.3	142.3
	27/06/2021 11:00	761.1	0.0	24.4	63.9	1.4	167.0
	27/06/2021 12:00	760.4	0.0	25.1	61.3	2.1	185.9
	27/06/2021 13:00	759.8	0.0	24.7	64.0	2.5	215.8
	27/06/2021 14:00	759.3	0.0	23.9	67.3	2.6	227.2
	27/06/2021 15:00	758.8	0.0	22.8	71.2	2.6	222.8
	27/06/2021 16:00	758.8	0.0	22.2	73.4	2.2	200.3
	27/06/2021 17:00	758.9	0.0	21.8	73.8	2.0	185.6
	27/06/2021 18:00	759.7	0.0	20.8	79.0	1.3	183.9
27/06/2021 19:00	760.4	0.0	20.2	83.2	0.9	160.9	
27/06/2021 20:00	761.3	0.0	19.8	85.3	0.8	137.6	
27/06/2021 21:00	761.9	0.0	19.6	85.7	1.0	117.3	
27/06/2021 22:00	762.0	0.0	19.7	84.7	0.9	117.9	
27/06/2021 23:00	762.3	0.0	19.6	84.3	0.9	126.3	
28	28/06/2021 00:00	762.1	0.0	19.9	81.2	1.2	128.1
	28/06/2021 01:00	762.0	0.0	20.1	79.4	1.2	122.7
	28/06/2021 02:00	761.7	0.0	20.0	75.5	0.9	127.7
	28/06/2021 03:00	761.5	0.0	20.0	79.0	1.1	126.9
	28/06/2021 04:00	761.4	0.0	20.1	78.2	0.7	129.7
	28/06/2021 05:00	761.5	0.0	20.2	77.6	0.8	120.8
	28/06/2021 06:00	761.7	0.0	20.7	75.6	0.9	131.3
	28/06/2021 07:00	761.8	0.0	21.0	74.8	1.1	123.0
	28/06/2021 08:00	762.0	0.0	21.6	72.7	1.4	124.6
	28/06/2021 09:00	761.9	0.0	22.6	69.7	1.6	131.0
	28/06/2021 10:00	761.6	0.0	24.7	62.8	1.6	113.2
	28/06/2021 11:00	761.1	0.0	26.3	57.7	1.4	154.4
	28/06/2021 12:00	760.5	0.0	26.4	56.9	2.1	180.6
	28/06/2021 13:00	759.8	0.0	26.3	57.6	2.5	187.2
	28/06/2021 14:00	759.2	0.0	25.7	59.6	3.0	188.2
	28/06/2021 15:00	758.8	0.0	24.9	62.1	2.7	188.3
	28/06/2021 16:00	758.8	0.0	23.7	66.0	3.1	184.2
	28/06/2021 17:00	759.3	0.0	22.6	70.8	3.1	185.6
	28/06/2021 18:00	759.9	0.0	21.5	75.1	2.0	177.5
	28/06/2021 19:00	760.3	0.0	21.1	76.8	1.4	177.4
	28/06/2021 20:00	761.0	0.0	20.8	78.7	1.0	121.1
	28/06/2021 21:00	761.4	0.0	20.6	79.3	0.8	179.9
	28/06/2021 22:00	761.4	0.0	20.8	76.7	0.8	131.2
28/06/2021 23:00							
29	29/06/2021 00:00	761.3	0.0	20.8	75.2	1.0	140.7
	29/06/2021 01:00	761.1	0.0	20.3	77.4	1.4	135.6
	29/06/2021 02:00	760.7	0.0	20.1	75.6	1.1	135.6
	29/06/2021 03:00	760.5	0.0	19.9	73.8	1.3	123.7
	29/06/2021 04:00	760.5	0.0	19.6	80.6	1.3	137.5
	29/06/2021 05:00	760.7	0.0	19.4	81.6	1.1	137.3
	29/06/2021 06:00	761.0	0.0	19.2	82.2	0.9	128.4
	29/06/2021 07:00	761.3	0.0	19.7	80.9	1.1	130.3
	29/06/2021 08:00	761.8	0.0	20.4	78.1	1.6	127.4
	29/06/2021 09:00	761.7	0.0	21.5	74.4	1.4	131.8
	29/06/2021 10:00	761.4	0.0	23.0	69.4	1.4	126.0
	29/06/2021 11:00	761.0	0.0	24.7	63.4	1.8	190.3
	29/06/2021 12:00	760.7	0.0	24.8	63.8	2.1	188.1
	29/06/2021 13:00	760.1	0.0	24.2	65.5	2.6	193.2
	29/06/2021 14:00	759.5	0.0	23.3	69.7	2.7	213.8
	29/06/2021 15:00	759.2	0.0	22.6	73.1	2.6	204.8
	29/06/2021 16:00	759.2	0.0	22.4	73.7	2.3	181.0
	29/06/2021 17:00	759.5	0.0	21.8	75.8	2.2	180.0
	29/06/2021 18:00	760.2	0.0	20.7	80.8	1.7	177.5
	29/06/2021 19:00	760.7	0.0	20.1	84.4	1.8	180.8
	29/06/2021 20:00	761.0	0.0	19.8	85.2	1.3	191.4
	29/06/2021 21:00	761.3	0.0	19.8	84.9	1.0	166.5
	29/06/2021 22:00	761.4	0.0	19.7	85.2	1.2	173.5
29/06/2021 23:00	761.4	0.0	19.7	85.5	1.2	178.4	
30	30/06/2021 00:00	761.3	0.0	19.7	85.5	1.6	182.8
	30/06/2021 01:00	761.0	0.0	19.7	85.3	1.2	181.5
	30/06/2021 02:00	760.5	0.0	19.6	85.2	1.1	170.7
	30/06/2021 03:00	760.1	0.0	19.7	85.3	1.3	174.0
	30/06/2021 04:00	760.1	0.0	19.7	84.9	1.0	170.6
	30/06/2021 05:00	760.3	0.0	19.8	84.1	1.1	168.1
	30/06/2021 06:00	760.5	0.0	19.8	83.2	1.0	170.2
	30/06/2021 07:00	760.8	0.0	20.0	81.6	1.0	152.6
	30/06/2021 08:00	761.1	0.0	20.5	80.8	1.0	168.9
	30/06/2021 09:00	761.1	0.0	21.9	75.4	1.2	131.6
	30/06/2021 10:00	760.9	0.0	22.4	73.1	1.2	144.4
	30/06/2021 11:00	760.4	0.0	24.2	66.7	1.6	179.7
	30/06/2021 12:00	759.9	0.0	24.0	66.1	2.4	187.8
	30/06/2021 13:00	759.5	0.0	24.4	64.8	2.4	189.4
	30/06/2021 14:00	759.0	0.0	23.8	66.2	2.6	186.1
	30/06/2021 15:00	758.8	0.0	23.4	67.4	2.1	185.7
	30/06/2021 16:00	759.0	0.0	22.5	70.8	2.0	187.6
	30/06/2021 17:00	759.6	0.0	21.7	73.5	2.1	179.8
	30/06/2021 18:00	760.2	0.0	21.0	77.3	1.5	183.9
	30/06/2021 19:00	760.8	0.0	20.3	82.0	1.3	174.6
	30/06/2021 20:00	761.2	0.0	20.1	83.1	1.3	182.1
	30/06/2021 21:00	761.7	0.0	20.1	83.1	0.7	176.6
	30/06/2021 22:00	762.0	0.0	19.8	84.3	0.4	150.8
30/06/2021 23:00	762.0	0.0	19.5	85.4	0.5	165.2	

MÍNIMO	757.9	0.0	18.4	56.9	0.3	-
MÁXIMO	763.6	0.3	26.8	91.5	3.7	-
PROMEDIO	760.9	0.0	21.4	77.4	1.5	-

















TÍTULO DEL ESTUDIO:

Evaluación ambiental de seguimiento de la

ESTACIÓN DE MONITOREO:

CA-TA-01

	1-Jun	2-Jun	3-Jun	4-Jun	5-Jun	6-Jun	7-Jun	8-Jun	9-Jun	10-Jun	11-Jun
00:00	1	1.2	0.8	1	0.9	0.8	0.7	0.6	0.6	0.8	1
01:00	1.1	0.9	0.8	1.1	0.8	0.8	0.6	0.5	0.5	1	1
02:00	0.7	0.8	0.6	1	1.1	0.7	0.6	0.5	0.7	1.5	1
03:00	1.1	0.6	0.7	0.9	1	0.9	0.4	0.6	1.2	1.4	1
04:00	1.3	0.9	0.9	0.9	1.2	1.3	0.4	0.9	1.1	1.5	1
05:00	1.3	0.7	0.7	1.1	1.2	0.8	0.3	1.1	1	1.8	
06:00	1	0.7	0.9	1.1	0.8	0.8	0.3	1.4	1.4	1.6	
07:00	0.9	0.7	1.2	1.4	0.9	1	0.6	1.3	2	1.6	
08:00	0.9	1	1.2	1.4	1	1.2	1	1	2	1.5	1
09:00	1.3	0.9	1.2	1.2	1.6	1.5	1	0.5	2.1	1.1	1
10:00	1.6	1.4	1.4	1.1	1.5	1.8	1	1.7	2.1	1.5	1
11:00	1.6	1.9	1.9	1.9	2.1	2.7	1.8	1.9	1.8	1.7	1
12:00	2.1	2.2	2.4	2.6	2.2	3.4	2.9	3.2	1.4	1.6	
13:00	2.3	2.5	3	2.4	2.4	3.3	3.1	2.2	2.3	1.8	2
14:00	1.9	2.6	2.5	2.4	2.8	2.7	2.5	2.8	2.6	2.1	2
15:00	2.7	2.8	2.5	2.5	2.8	2.5	2.6	2.2	3	2.7	2
16:00	2.4	2.1	2	2.3	2.4	2.3	2.1	1.6	3.7	2.5	2
17:00	2	2.1	1.7	2.1	2.6	1.7	1.6	1.3	2.9	2.2	
18:00	2	1.8	1.4	1.8	2.3	1.1	1.7	0.9	2.9	1.9	1
19:00	1.8	1.1	1.2	1.4	1.9	0.6	0.9	0.8	2.1	1.7	1
20:00	2	0.8	1.2	1.4	1.3	0.5	0.6	0.8	1.4	1.4	1
21:00	1.2	0.7	0.9	1.2	0.8	0.9	0.4	0.8	1.2	1.1	1
22:00	1	0.9	1	1.2	0.7	0.7	0.3	0.8	1.2	1	1
23:00	1	0.8	1	0.8	0.7	0.5	S.D.	S.D.	S.D.	1.2	1

	1-Jun	2-Jun	3-Jun	4-Jun	5-Jun	6-Jun	7-Jun	8-Jun	9-Jun	10-Jun	11-Jun
00:00	S	S	SSE	S	S	SSE	ESE	SE	SSE	SSE	S
01:00	SSW	S	S	S	SSE	S	SE	SE	S	ESE	S
02:00	SE	S	S	SSE	S	SSE	ESE	SE	SE	ESE	S
03:00	SE	S	SE	SSW	S	S	ESE	SE	ESE	ESE	S
04:00	ESE	S	SE	SSE	S	S	SE	SE	SE	SE	S
05:00	SE	SSE	SE	SE	S	S	SSE	SE	SSE	SE	S
06:00	SE	S	SE	ESE	S	SE	SE	ESE	SE	ESE	SSE
07:00	SSE	SSE	ESE	ESE	SE	SSE	SE	SE	SE	ESE	SE
08:00	SE	SE	SE	ESE	SSE	S	ESE	SE	SE	ESE	SE
09:00	SSE	SSE	SSE	ESE	SSE	S	SE	SSE	ESE	S	SE
10:00	SSE	S	SSE	SSE	S	S	SSE	SW	ESE	SE	SE
11:00	SSE	S	SSW	S	SSW	SW	SW	SSW	ESE	S	SSE
12:00	S	S	SSW	SSW	SSW	SSW	SW	SW	SE	ESE	S
13:00	S	SW	SW	SSW	SSW	SW	SW	SW	S	SE	SSW
14:00	S	SW	SW	SSW	SSW	SW	SW	SW	S	S	S
15:00	S	SSW	SW	SSW	S	SSW	SW	SW	S	S	SSW
16:00	S	SSW	SSW	SSW	S	SSW	SW	SW	S	S	S
17:00	SSW	S	SSW	SSW	S	SSW	SW	SW	S	S	S
18:00	S	S	S	S	S	S	WSW	S	S	S	S
19:00	S	S	S	S	S	S	SSW	S	S	SSE	S
20:00	S	SSE	S	S	S	SSE	SSW	S	S	S	S
21:00	S	S	S	S	SSE	S	S	S	SSE	S	S
22:00	S	S	S	S	SE	SSE	S	S	SSE	S	S
23:00	S	S	S	SSE	SE	ESE				SSE	S

**Tabla 3.3. Velocidad y dirección del viento durante el mes**

a calidad del aire en el área de influencia de la Refinería Talara, ubicada en el distrito de Pariñas, provincia de Tala Piura, en junio de 2021

**CÓDIGO DE ACCIÓN** 0001-6-2021-414

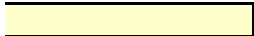
Velocidad del viento																				
n	12-Jun	13-Jun	14-Jun	15-Jun	16-Jun	17-Jun	18-Jun	19-Jun	20-Jun	21-Jun	22-Jun	23-Jun	24-Jun	25-Jun	26-Jun	27-Jun	28-Jun	29-Jun	30	
5	1	1.3	1.1	0.7	1	0.9	0.5	1.2	0.9	1.4	0.9	0.9	1.4	0.9	1.2	0.5	1.2	1		
4	1.1	0.9	1.1	0.7	1.2	1.1	0.6	1	0.8	1.3	0.8	1.4	1.6	0.8	1.2	0.8	1.2	1.4		
1	1.2	0.9	1.2	1	1.1	1.1	0.6	1	0.9	1.3	0.8	1.9	0.9	1	1.6	1	0.9	1.1		
4	0.8	0.9	1	0.8	1.5	1	0.6	1.4	1.3	1.2	0.8	2	1.3	1	1.8	1	1.1	1.3		
2	0.9	0.8	0.4	0.7	1.9	1	0.7	1.8	1.9	1.1	1.1	1.6	1.1	1.4	1.9	1.1	0.7	1.3		
1	0.8	0.8	0.4	0.6	1.4	0.9	0.8	2.1	2.3	0.9	1.1	1.6	0.6	1.4	2	1.2	0.8	1.1		
1	1.1	0.7	0.5	1	1.1	0.9	0.7	2	2.1	1.1	0.8	1.6	0.7	1.5	1.9	1	0.9	0.9		
1	1.3	1	0.8	0.7	1.5	0.9	0.9	1.9	1.8	1.1	0.8	1.9	0.9	1.8	1.9	1	1.1	1.1		
2	1.5	0.9	0.8	0.6	1.4	1.1	0.9	1.5	2	1.1	0.9	1.4	1.1	2.2	1.8	1.4	1.4	1.6		
6	1.3	1.3	0.7	0.8	1.2	1.1	1.1	1.5	1.7	1.1	1.1	1.4	1.4	1.5	1.4	1.5	1.6	1.4		
7	1.3	1	2.7	0.9	1.3	1.3	1.2	1.3	1.6	1.3	1.1	1.2	1.5	1.2	1.4	1.3	1.6	1.4		
6	1.7	1	3	1	1.7	1.7	1.8	2	1.3	1.4	1.6	1.9	1.2	2	2	1.4	1.4	1.8		
2	2.1	2.1	2.8	2.1	2.5	1.7	1.7	2.2	1.5	2.1	2.2	2.1	1.9	2.5	2.2	2.1	2.1	2.1		
6	2.7	2.2	2.5	1.9	2.6	2.3	2.2	2.1	2.7	2.7	2.4	2.2	1.9	2.9	2.1	2.5	2.5	2.6		
9	2.9	2.3	2.1	1.9	2.7	1.8	2.6	2.5	2.9	3	2.5	2.6	2.8	2.8	2.4	2.6	3	2.7		
7	2.6	2.2	2.2	2.3	2.4	2	2.6	1.9	3	2.7	2.8	2.5	2.9	2.5	2.6	2.6	2.7	2.6		
2	2.7	2.1	1.6	2.2	2.8	1.7	2.7	1.7	3.3	2.3	1.9	2.2	2.8	2.4	2.1	2.2	3.1	2.3		
2	2.8	1.8	1.2	1.4	2.4	1.5	2.6	1.7	2.5	1.7	1.5	2.2	2.4	2.5	1.8	2	3.1	2.2		
6	1.8	1.8	1.1	1	1.8	1.4	1.8	0.9	2.3	1.7	1.4	1.9	1.3	1.6	1.4	1.3	2	1.7		
6	1.9	1.6	1.1	0.7	1.1	1.2	1.4	0.7	1.3	1	1.4	1.4	1	2	1	0.9	1.4	1.8		
6	1.8	1.9	1.1	0.8	1.1	1.4	1.1	1.2	1	1.3	0.8	2.4	0.9	1.8	0.8	0.8	1	1.3		
4	2	2.1	0.7	0.9	0.9	1	1.1	1.5	0.9	1.1	0.9	2.3	0.8	1.5	0.7	1	0.8	1		
3	2.1	1.6	0.7	0.8	1.2	1.2	0.9	1.2	1	0.9	1	1.8	0.8	1.1	0.6	0.9	0.8	1.2		
3	1.6	1.2	S.D.	0.7	1	0.7	0.9	1.1	0.8	0.9	0.8	1.5	0.8	1.1	0.7	0.9	S.D.	1.2		

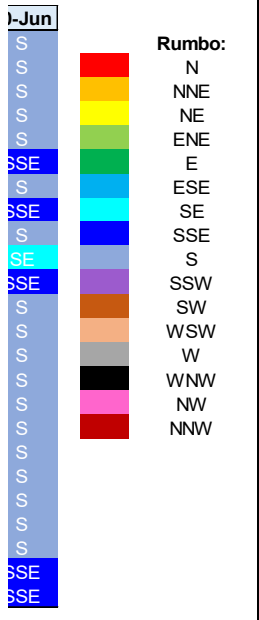
Dirección del viento																				
n	12-Jun	13-Jun	14-Jun	15-Jun	16-Jun	17-Jun	18-Jun	19-Jun	20-Jun	21-Jun	22-Jun	23-Jun	24-Jun	25-Jun	26-Jun	27-Jun	28-Jun	29-Jun	30	
	S	S	SSW	SE	SE	SSE	SSE	S	S	SE	SSE	S	S	SSE	SE	S	SE	SE		
	S	S	SSW	SE	SE	S	SE	S	SSE	ESE	SSE	SE	S	S	SE	S	ESE	SE		
	S	S	SSW	ESE	SE	S	SE	ESE	SE	SE	S	SE	S	S	SE	SE	SE	SE		
	S	S	S	SE	SE	SE	SSE	SE	SE	SE	SSE	SE	SE	SE	ESE	SE	SE	ESE		
	S	SSE	SSE	SE	SSE	SE	SSE	SE	SE	SSE	SE	SE	SSW	SE	ESE	ESE	SE	SE		
	SE	S	S	SE	S	SE	SSE	SE	SE	SSE	SE	SE	SSW	SE	SE	SE	ESE	SE		
	SE	SSE	SE	ESE	ESE	ESE	SSE	ESE	SE	SSE	ESE	SE	SSE	ESE	ESE	ESE	SE	SE		
	SE	SE	ESE	SE	SSE	SE	SE	ESE	ESE	SE	SSE	SE	S	ESE	SE	SE	ESE	SE		
	ESE	ESE	ESE	SE	SE	ESE	ESE	ESE	SE	ESE	SE	SE	S	SE	SE	SE	SE	SE		
	SE	SE	SE	SE	SE	SSE	SE	SSE	SE	ESE	SE	ESE	S	ESE	SE	SE	SE	SE		
	SSE	SE	WSW	SSE	SSE	S	S	S	SE	SSE	SSE	SSE	S	SSE	S	SE	ESE	SE		
	S	S	SW	S	S	S	S	S	SSE	SE	S	SSW	SSE	S	S	SSE	SSE	S		
	S	SW	SW	SW	S	SSW	S	S	SE	SSW	SSW	SSW	S	SSW	S	S	S	S		
	S	SSW	SW	SW	SSW	SSW	S	S	S	SW	SSW	SSW	S	S	S	SW	S	SSW		
	S	S	SW	SW	SW	SSW	S	SW	S	SW	SSW	SW	S	S	SSW	SW	S	SSW		
	S	S	SW	SW	SSW	S	S	SSW	S	SW	SW	SW	SSW	S	SSW	SW	S	SSW		
	S	S	SSW	SW	S	S	S	S	S	SW	SSW	SSW	S	S	SSW	SSW	S	S		
	S	S	SSW	SSW	S	SSW	S	S	SSW	SSW	SSW	S	S	S	SSW	S	S	S		
	S	S	SSE	SSW	S	S	S	SSE	S	S	S	S	S	S	S	S	S	S		
	S	S	SSE	S	SSE	S	S	SSE	S	S	S	S	S	S	S	SSE	S	S		
	S	S	S	S	S	S	S	S	S	S	S	SSE	S	SSE	SE	ESE	SSW	S		
	S	S	SSE	SSE	S	S	S	S	S	S	SSE	S	SE	S	SE	ESE	S	SSE		
	SSW	S	SSE	SE	S	S	S	S	SSE	SSE	SSE	S	SSE	S	SSE	ESE	SE	S		
	S	S		SSE	S	SSE	S	S	SSE	S	SE	S	SE	SE	S	SE		S		



ra, departamento de



8.6  
31.4





**Tabla 3.1. Concentraciones horarias de SO<sub>2</sub>**

**TÍTULO DEL ESTUDIO:**

Evaluación ambiental de seguimiento de la calidad del aire en el área de influencia de la Refinería Talara, ubicada en el distrito de Paríñas, provincia de Talara, departamento de Piura, en julio de 2021

**ESTACIÓN DE MONITOREO:**

CA-TA-01

**CÓDIGO DE ACCIÓN:**

0001-7-2021-414

**EQUIPO:**

Analizador automático de gases

Thermo Scientific

**MODELO:**

450i

1009241444

**DATOS DEL EQUIPO**

Hora/Día	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
00:00	9.4	9.6	9.3	10.1	9.8	9.8	10.0	9.6	9.9	9.8	9.6	9.2	9.8	9.7	9.7	9.4	9.9	9.4	9.7	10.0	10.1	10.1	8.9	8.4	8.7	8.7	8.4	9.0	9.1	8.9	9.0	
01:00	9.4	9.7	9.5	9.9	10.6	9.8	10.6	9.8	9.6	9.7	9.6	9.4	9.5	9.4	9.9	9.4	9.6	9.8	9.9	10.0	10.2	9.7	8.8	8.4	8.6	8.6	8.1	8.8	9.0	9.1	8.7	
02:00	9.5	9.8	10.0	10.0	9.7	10.0	9.7	9.6	9.8	9.5	9.9	9.2	9.6	9.1	9.2	9.5	9.7	9.9	9.6	10.1	10.2	9.8	8.8	8.2	8.7	8.3	7.7	8.6	9.0	9.0	8.9	
03:00	9.4	9.6	10.7	9.9	10.0	9.6	9.7	9.5	9.6	9.5	10.9	9.1	9.5	9.2	9.2	9.4	9.6	9.7	9.9	10.1	10.2	10.0	8.7	8.2	9.0	8.3	8.3	8.7	8.8	9.1	8.9	
04:00	9.3	9.8	10.8	9.8	10.0	9.8	9.6	10.1	9.9	9.3	13.0	9.0	9.4	9.0	9.3	9.6	9.9	9.9	9.6	10.0	10.4	9.9	8.6	8.3	9.1	8.1	8.5	8.7	8.8	8.8	8.9	
05:00	10.0	9.4	10.5	9.8	10.3	9.8	10.1	10.6	9.6	9.6	13.2	9.0	9.5	9.3	9.5	9.5	11.0	10.4	9.6	10.0	10.4	10.0	8.9	8.6	9.2	7.9	8.4	8.9	8.8	8.8	9.0	
06:00	10.2	9.6	10.4	10.0	10.3	9.9	11.7	10.7	9.8	9.7	10.7	9.3	9.8	9.6	9.8	9.6	10.6	10.7	9.9	10.2	10.6	10.1	8.8	8.5	9.0	8.3	8.9	8.7	9.1	8.8	9.1	
07:00	10.2	10.3	10.3	9.9	10.5	10.5	10.5	11.1	10.1	10.0	10.2	10.1	10.0	9.8	10.3	9.5	10.6	10.4	10.3	11.0	10.6	10.3	9.0	8.3	8.7	8.8	9.3	8.9	9.3	8.5	9.5	
08:00	10.1	10.3	10.2	9.9	10.4	10.9	10.8	10.4	10.3	9.9	9.7	10.5	9.8	9.6	10.3	9.7	10.1	10.1	10.2	11.0	10.9	9.8	9.1	8.2	8.8	8.4	9.1	9.1	9.1	8.5	9.9	
09:00	10.5	10.1	9.7	10.1	10.4	11.0	10.4	10.2	9.8	10.8	10.1	10.2	10.1	10.2	10.1	10.1	9.9	9.9	10.3	10.7	11.3	9.9	8.9	8.3	8.6	8.6	9.1	9.3	9.3	9.0	9.6	
10:00	10.0	10.0	9.8	10.3	10.6	10.8	10.4	10.2	10.0	10.0	10.1	9.8	17.7	9.5	9.9	9.9	10.0	10.1	10.0	10.5	14.4	11.0	VF	9.0	8.4	8.8	9.0	9.0	8.8	9.1	8.9	9.5
11:00	10.1	10.1	10.1	10.1	10.4	10.5	11.5	14.1	10.0	10.0	10.8	10.0	16.8	9.8	9.8	10.0	10.0	10.0	10.6	26.6	10.9	VF	9.0	12.9	8.7	8.7	8.8	9.3	9.5	9.1	9.2	
12:00	10.1	9.2	10.3	10.2	10.5	10.8	12.9	14.2	10.0	10.7	13.6	14.4	15.4	9.8	10.2	10.0	10.1	10.3	17.6	26.9	11.0	VF	9.4	13.2	8.8	8.8	9.0	9.3	9.4	8.6	9.3	
13:00	10.1	9.9	19.8	10.2	10.6	13.2	13.3	21.1	10.2	15.9	14.8	19.4	12.7	10.1	10.3	10.2	10.2	10.2	14.9	18.6	20.8	11.3	VF	9.2	12.0	10.6	8.8	9.4	9.4	8.8	9.3	
14:00	10.4	10.1	30.0	10.1	10.6	23.9	15.9	27.8	10.2	20.8	14.6	18.3	11.8	10.0	10.0	10.1	10.7	14.5	23.2	22.8	10.9	9.2	9.2	13.5	11.9	8.7	12.4	9.1	9.6	8.8	9.6	
15:00	10.4	10.4	17.9	ID	10.6	14.7	14.5	25.7	10.2	20.8	13.7	13.7	11.1	10.1	10.2	10.2	10.6	14.3	19.1	20.3	11.0	9.5	9.8	12.2	10.7	8.8	15.0	9.2	9.8	9.4	9.3	
16:00	11.3	10.4	13.9	10.4	10.5	11.9	11.9	17.5	9.9	20.7	12.3	12.5	10.9	10.2	9.9	10.1	10.4	14.5	15.3	15.7	10.7	9.4	9.9	12.0	10.7	9.1	18.6	9.1	10.5	9.8	9.4	
17:00	10.5	10.1	12.0	11.9	10.0	11.1	10.8	13.9	10.0	14.7	11.8	11.5	10.4	10.2	9.8	10.0	9.8	13.0	13.2	13.0	10.7	9.2	9.6	11.3	9.9	9.1	12.0	9.0	9.9	9.3	9.3	
18:00	10.3	9.8	11.2	11.3	10.2	10.9	10.7	12.3	9.9	12.3	10.5	10.6	10.3	9.9	9.8	10.0	9.7	11.1	11.6	12.2	10.4	9.3	9.4	10.0	9.3	9.0	10.4	9.1	9.3	9.3	9.2	
19:00	10.1	9.6	10.7	10.4	9.8	10.5	10.0	11.2	9.9	11.1	10.0	10.2	10.2	9.9	9.6	10.0	9.8	10.4	11.0	11.3	10.4	9.0	8.8	9.4	8.9	8.9	9.8	9.2	9.5	9.2	9.2	
20:00	9.8	9.6	10.2	10.0	9.8	10.0	9.8	10.5	9.8	10.3	9.7	9.9	9.9	9.9	9.6	9.9	9.9	9.9	10.5	10.8	10.1	9.1	8.4	9.2	8.7	8.7	9.3	9.3	9.1	9.4	9.1	
21:00	9.7	9.5	10.0	9.8	9.6	10.1	9.8	10.3	11.2	9.9	9.5	9.8	9.8	9.4	9.8	9.8	9.8	10.0	10.4	10.5	10.1	8.9	8.4	9.0	8.8	8.7	9.1	9.0	9.2	9.0	9.0	
22:00	9.7	9.5	9.9	9.9	9.4	10.0	9.6	10.0	9.6	10.0	9.6	9.6	9.8	9.4	9.7	9.8	9.3	9.9	10.2	10.3	10.1	9.0	8.4	9.0	8.6	8.4	9.0	9.1	9.0	9.1	9.1	
23:00	9.6	9.5	10.0	9.8	ID	10.0	9.6	10.0	10.0	9.8	9.6	9.6	9.6	9.5	9.6	9.8	9.6	9.8	ID	10.4	10.0	8.9	8.3	8.7	8.5	ID	8.6	ID	9.1	9.0	9.0	
Promedio de SO <sub>2</sub> en 24 h	10.0	9.9	12.0	10.2	10.2	11.3	11.0	12.9	10.0	11.8	11.1	11.0	11.0	11.0	9.7	9.8	9.8	10.0	10.9	12.2	13.7	10.6	9.5	9.0	9.8	9.2	8.6	9.8	9.0	9.3	9.0	9.2
<b>ECA aire de SO<sub>2</sub></b>	250 µg/m <sup>3</sup> en periodo de 24 horas																															

Observación:

SD: Sin dato

VF: Verificación multipunto del equipo analizador de gases.

ID: Insuficiencia de datos para calcular promedio (menor del 75%), dato no calculado por no cumplir con la mínima suficiencia de datos (45 minutos o 18 horas)

Nota: Se realizó el cambio y la verificación del equipo analizador Thermo Scientific 450i del 25 de febrero desde las 15:55 horas hasta las 15:10 horas

10.0 9.9 12.0 10.2 10.2 11.3 11.0 12.9 10.0 11.8 11.1 11.0 11.0 11.0 9.7 9.8 9.8 10.0 10.9 12.2 13.7 10.6 9.5 9.0 9.8 9.2 8.6 9.8 9.0 9.3 9.0 9.2

TÍTULO DEL ESTUDIO: Evaluación ambiental de seguimiento de la calidad del aire en el área de influencia de la Refinería Talara, ubicada en el distrito de Paríñas, provincia de Talara, departamento de Piura, en julio de 2021

ESTACIÓN DE MONITOREO: CA-TA-01 CÓDIGO DE ACCIÓN: 0001-7-2021-414

DATOS DEL EQUIPO

EQUIPO: Estación meteorológica MARCA: Campbell Scientific  
 MODELO: CR1000 SERIE: 30824

FECHA Y HORA	Presión atmosférica (mmHg)	Precipitación (mm)	Temperatura ambiental (°C)	Humedad relativa (%)	Velocidad de Viento (m/s)	Dirección de Viento (°)
1/07/2021 00:00	762.0	0.0	19.4	85.4	0.2	135.3
1/07/2021 01:00	761.6	0.0	19.4	85.0	0.8	175.8
1/07/2021 02:00	761.2	0.0	19.2	86.2	0.7	188.9
1/07/2021 03:00	760.9	0.0	19.0	86.4	0.5	136.7
1/07/2021 04:00	760.8	0.0	19.0	85.0	0.9	130.7
1/07/2021 05:00	760.9	0.0	19.5	80.6	1.5	125.0
1/07/2021 06:00	761.2	0.0	19.3	80.6	1.8	123.3
1/07/2021 07:00	761.6	0.0	19.0	81.9	1.6	117.2
1/07/2021 08:00	762.1	0.0	19.5	80.4	1.9	117.0
1/07/2021 09:00	762.2	0.0	20.8	76.0	1.8	111.7
1/07/2021 10:00	762.0	0.0	22.6	70.3	1.6	144.5
1/07/2021 11:00	761.6	0.0	24.5	64.2	1.3	186.8
1/07/2021 12:00	760.9	0.0	25.7	60.5	1.2	173.7
1/07/2021 13:00	760.2	0.0	25.5	60.7	1.9	184.0
1/07/2021 14:00	759.5	0.0	24.6	63.2	2.4	190.7
1/07/2021 15:00	759.1	0.0	24.1	65.3	2.3	188.5
1/07/2021 16:00	759.3	0.0	23.4	67.9	2.0	180.5
1/07/2021 17:00	759.6	0.0	22.0	73.4	2.0	183.7
1/07/2021 18:00	760.2	0.0	21.0	76.9	1.4	186.1
1/07/2021 19:00	761.0	0.0	20.2	80.8	1.1	180.4
1/07/2021 20:00	761.4	0.0	19.9	83.2	0.8	186.0
1/07/2021 21:00	761.8	0.0	19.7	84.1	1.2	183.4
1/07/2021 22:00	762.1	0.0	19.5	84.9	1.1	182.4
1/07/2021 23:00	762.2	0.0	19.5	84.6	1.0	177.0
2/07/2021 00:00	762.1	0.0	19.4	83.8	1.3	189.0
2/07/2021 01:00	762.0	0.0	19.2	82.8	0.7	153.6
2/07/2021 02:00	761.8	0.0	19.2	82.4	0.9	147.1
2/07/2021 03:00	761.7	0.0	19.2	82.3	1.0	149.9
2/07/2021 04:00	761.7	0.0	19.0	82.8	1.0	147.8
2/07/2021 05:00	762.0	0.0	19.1	82.2	1.0	120.0
2/07/2021 06:00	762.1	0.0	19.2	82.4	1.2	127.1
2/07/2021 07:00	762.5	0.0	19.3	82.7	1.3	140.5
2/07/2021 08:00	762.8	0.0	19.8	80.9	1.5	134.5
2/07/2021 09:00	762.8	0.0	20.7	77.0	1.4	122.6
2/07/2021 10:00	762.2	0.0	22.3	70.5	1.6	127.0
2/07/2021 11:00	761.5	0.0	24.1	64.9	1.6	148.7
2/07/2021 12:00	760.8	0.0	25.0	61.5	1.8	185.0
2/07/2021 13:00	760.2	0.0	24.9	61.2	2.5	191.1
2/07/2021 14:00	759.7	0.0	24.9	61.5	2.4	190.8
2/07/2021 15:00	759.6	0.0	23.9	64.2	3.1	183.8
2/07/2021 16:00	759.7	0.0	23.2	66.3	3.3	186.5
2/07/2021 17:00	760.2	0.0	22.2	70.3	3.0	187.9
2/07/2021 18:00	760.9	0.0	21.4	73.7	1.4	182.0
2/07/2021 19:00	761.6	0.0	20.4	78.2	1.3	178.7
2/07/2021 20:00	762.0	0.0	20.0	80.9	0.9	169.2
2/07/2021 21:00	762.5	0.0	19.8	82.3	0.7	191.2
2/07/2021 22:00	762.5	0.0	19.5	83.7	0.6	190.3
2/07/2021 23:00	762.6	0.0	19.6	82.3	0.5	151.6
3/07/2021 00:00	762.5	0.0	19.3	83.1	0.4	138.8
3/07/2021 01:00	762.2	0.0	19.3	81.3	0.7	131.2
3/07/2021 02:00	761.9	0.0	19.2	79.9	0.7	117.4
3/07/2021 03:00	761.7	0.0	18.9	78.8	0.9	143.3
3/07/2021 04:00	761.9	0.0	19.0	77.5	1.4	123.5
3/07/2021 05:00	762.2	0.0	18.9	76.8	1.7	126.4
3/07/2021 06:00	762.6	0.0	18.6	75.9	1.7	126.8
3/07/2021 07:00	762.9	0.0	18.9	76.6	1.6	121.4
3/07/2021 08:00	763.2	0.0	20.4	75.3	1.8	126.8
3/07/2021 09:00	763.3	0.0	21.8	70.4	1.6	121.4
3/07/2021 10:00	763.2	0.0	23.4	65.5	1.3	126.8
3/07/2021 11:00	762.5	0.0	24.5	62.4	1.7	180.0
3/07/2021 12:00	761.9	0.0	24.9	61.9	2.1	188.9
3/07/2021 13:00	761.4	0.0	23.8	67.6	2.4	231.0
3/07/2021 14:00	760.8	0.0	22.9	70.2	2.6	220.2
3/07/2021 15:00	760.3	0.0	23.2	67.9	2.0	207.0
3/07/2021 16:00	760.4	0.0	23.2	66.4	2.2	194.8
3/07/2021 17:00	760.6	0.0	22.4	69.7	2.3	184.6
3/07/2021 18:00	761.3	0.0	21.0	77.6	1.5	187.1
3/07/2021 19:00	762.1	0.0	19.8	83.2	1.2	178.7
3/07/2021 20:00	762.7	0.0	19.5	84.9	1.3	187.0
3/07/2021 21:00	763.1	0.0	19.2	86.8	1.0	185.1
3/07/2021 22:00	763.1	0.0	19.0	87.2	0.8	177.5
3/07/2021 23:00	763.1	0.0	19.0	86.6	1.0	179.2
4/07/2021 00:00	763.0	0.0	19.1	86.3	0.9	170.9
4/07/2021 01:00	762.5	0.0	19.1	86.5	0.6	161.7
4/07/2021 02:00	762.1	0.0	19.4	84.3	0.7	167.2
4/07/2021 03:00	761.9	0.0	19.5	82.0	0.9	145.7
4/07/2021 04:00	761.9	0.0	19.4	82.5	0.8	154.6
4/07/2021 05:00	762.1	0.0	19.6	82.4	0.9	134.4
4/07/2021 06:00	762.5	0.0	19.3	83.9	1.0	128.9
4/07/2021 07:00	763.0	0.0	19.2	85.0	1.3	126.6
4/07/2021 08:00	763.4	0.0	19.8	82.1	1.6	122.6
4/07/2021 09:00	763.5	0.0	20.8	76.1	1.3	131.4
4/07/2021 10:00	763.4	0.0	22.1	71.0	1.6	132.4
4/07/2021 11:00	762.9	0.0	22.8	68.8	1.6	150.4
4/07/2021 12:00	762.2	0.0	23.8	65.5	1.9	168.4
4/07/2021 13:00	761.5	0.0	24.4	63.4	2.1	183.5
4/07/2021 14:00	760.6	0.0	24.3	63.1	2.4	185.7
4/07/2021 15:00						
4/07/2021 16:00	760.2	0.0	23.1	68.7	2.3	198.1
4/07/2021 17:00	760.6	0.0	22.0	72.8	1.8	215.7
4/07/2021 18:00	761.1	0.0	20.8	77.9	1.5	222.5
4/07/2021 19:00	761.8	0.0	19.9	82.0	1.6	182.2
4/07/2021 20:00	762.3	0.0	19.3	86.0	1.3	181.5
4/07/2021 21:00	762.7	0.0	19.1	86.8	0.7	164.6
4/07/2021 22:00	763.0	0.0	18.8	87.6	0.4	151.8
4/07/2021 23:00	763.2	0.0	18.6	87.7	0.5	183.8
5/07/2021 00:00	762.9	0.0	18.5	87.8	0.5	175.3
5/07/2021 01:00	762.5	0.0	18.4	88.1	0.5	167.8
5/07/2021 02:00	762.2	0.0	18.5	84.0	0.7	146.0
5/07/2021 03:00	762.0	0.0	18.7	80.5	1.1	118.7
5/07/2021 04:00	762.0	0.0	18.6	80.6	0.9	133.4
5/07/2021 05:00	762.1	0.0	18.6	80.6	1.5	123.9
5/07/2021 06:00	762.3	0.0	18.9	79.4	1.3	131.1
5/07/2021 07:00	762.5	0.0	19.2	78.6	1.2	116.8
5/07/2021 08:00	763.1	0.0	19.9	77.0	1.4	119.2

5	5/07/2021 09:00	763.1	0.0	21.2	73.3	1.5	138.4
	5/07/2021 10:00	762.8	0.0	22.7	68.8	1.4	155.1
	5/07/2021 11:00	762.2	0.0	24.2	64.0	1.3	154.2
	5/07/2021 12:00	761.6	0.0	24.4	62.6	1.8	175.3
	5/07/2021 13:00	761.2	0.0	24.4	62.5	2.2	180.4
	5/07/2021 14:00	760.7	0.0	23.9	64.0	2.7	188.5
	5/07/2021 15:00	760.3	0.0	23.4	65.1	3.0	185.9
	5/07/2021 16:00	760.5	0.0	22.8	67.0	2.4	187.2
	5/07/2021 17:00	760.6	0.0	22.0	70.4	2.8	187.1
	5/07/2021 18:00	761.1	0.0	20.6	76.1	1.8	181.2
	5/07/2021 19:00	761.6	0.0	20.0	78.9	0.9	167.6
	5/07/2021 20:00	762.1	0.0	19.6	81.1	0.8	162.3
	5/07/2021 21:00	762.4	0.0	19.4	83.2	0.8	142.0
5/07/2021 22:00	762.4	0.0	19.4	81.4	1.0	130.2	
5/07/2021 23:00							
6	6/07/2021 00:00	762.1	0.0	19.3	78.4	1.4	139.7
	6/07/2021 01:00	761.8	0.0	18.9	79.8	1.7	127.6
	6/07/2021 02:00	761.4	0.0	18.9	79.2	1.9	125.7
	6/07/2021 03:00	761.2	0.0	18.6	80.1	1.9	126.0
	6/07/2021 04:00	761.3	0.0	18.4	80.6	1.6	128.0
	6/07/2021 05:00	761.3	0.0	18.3	81.0	1.2	119.3
	6/07/2021 06:00	761.3	0.0	18.1	81.3	1.2	130.6
	6/07/2021 07:00	761.3	0.0	18.2	81.3	1.1	134.4
	6/07/2021 08:00	761.8	0.0	19.1	78.7	1.7	125.0
	6/07/2021 09:00	761.8	0.0	20.0	75.8	1.7	124.5
	6/07/2021 10:00	761.6	0.0	21.6	71.0	1.2	122.8
	6/07/2021 11:00	761.1	0.0	23.8	64.6	1.2	158.0
	6/07/2021 12:00	760.4	0.0	24.4	62.1	1.9	192.6
	6/07/2021 13:00	759.7	0.0	23.7	64.2	2.7	214.2
	6/07/2021 14:00	759.3	0.0	22.6	65.6	2.6	222.5
	6/07/2021 15:00	758.9	0.0	22.0	71.2	2.1	205.0
	6/07/2021 16:00	758.9	0.0	21.2	74.1	2.2	204.3
	6/07/2021 17:00	759.3	0.0	20.8	76.4	1.9	199.6
	6/07/2021 18:00	759.9	0.0	20.1	78.6	2.1	178.1
	6/07/2021 19:00	760.5	0.0	19.4	84.0	1.4	179.1
	6/07/2021 20:00	761.3	0.0	19.0	85.6	0.8	152.9
	6/07/2021 21:00	761.7	0.0	19.0	86.0	1.1	159.8
	6/07/2021 22:00	761.8	0.0	19.2	85.0	1.2	185.2
6/07/2021 23:00	761.9	0.0	19.3	85.1	1.3	179.6	
7	7/07/2021 00:00	761.5	0.0	19.1	86.5	1.4	179.2
	7/07/2021 01:00	761.1	0.0	19.2	86.0	0.7	115.0
	7/07/2021 02:00	760.6	0.0	19.2	85.7	0.8	166.1
	7/07/2021 03:00	760.2	0.0	19.0	85.6	0.8	164.6
	7/07/2021 04:00	760.2	0.0	19.1	83.7	0.7	178.5
	7/07/2021 05:00	760.3	0.0	19.3	81.5	0.7	177.3
	7/07/2021 06:00	760.4	0.0	19.3	79.8	0.9	142.0
	7/07/2021 07:00	760.7	0.0	19.5	78.2	0.9	120.5
	7/07/2021 08:00	761.1	0.0	20.5	75.0	0.9	146.2
	7/07/2021 09:00	761.2	0.0	21.6	71.7	1.2	151.9
	7/07/2021 10:00	760.9	0.0	22.8	67.4	1.5	185.9
	7/07/2021 11:00	760.7	0.0	22.1	70.3	3.0	219.7
	7/07/2021 12:00	760.4	0.0	20.9	75.7	3.7	222.5
	7/07/2021 13:00	759.7	0.0	21.0	74.8	3.3	225.1
	7/07/2021 14:00	759.0	0.0	21.4	71.9	3.5	226.7
	7/07/2021 15:00	758.5	0.0	21.4	72.0	2.8	216.3
	7/07/2021 16:00	758.6	0.0	21.1	74.5	2.2	198.7
	7/07/2021 17:00	758.6	0.0	20.9	75.3	1.6	185.0
	7/07/2021 18:00	759.2	0.0	20.2	76.1	1.0	173.2
	7/07/2021 19:00	759.6	0.0	19.8	77.5	0.6	152.9
	7/07/2021 20:00	759.9	0.0	19.6	77.4	0.6	162.6
	7/07/2021 21:00	760.4	0.0	19.4	79.5	0.7	147.1
	7/07/2021 22:00	760.6	0.0	18.8	85.6	1.0	127.9
7/07/2021 23:00	760.7	0.0	18.6	85.4	0.9	122.5	
8	8/07/2021 00:00	760.7	0.0	18.8	82.9	0.7	159.9
	8/07/2021 01:00	760.3	0.0	18.8	82.4	0.7	146.2
	8/07/2021 02:00	759.8	0.0	18.7	83.0	0.7	173.5
	8/07/2021 03:00	759.3	0.0	18.5	83.1	0.7	167.8
	8/07/2021 04:00	758.9	0.0	18.4	82.6	1.2	140.2
	8/07/2021 05:00	758.6	0.0	18.3	81.7	1.9	129.7
	8/07/2021 06:00	758.8	0.0	18.3	81.5	1.6	124.1
	8/07/2021 07:00	759.4	0.0	18.5	80.8	1.4	111.4
	8/07/2021 08:00	760.0	0.0	20.2	75.6	1.2	124.6
	8/07/2021 09:00	760.4	0.0	23.0	66.5	1.2	186.7
	8/07/2021 10:00	760.2	0.0	25.1	59.7	1.3	190.4
	8/07/2021 11:00	760.0	0.0	24.2	64.0	2.8	216.5
	8/07/2021 12:00	759.7	0.0	23.2	67.9	2.6	208.8
	8/07/2021 13:00	759.2	0.0	23.2	68.1	3.0	229.2
	8/07/2021 14:00	758.8	0.0	22.2	72.7	2.9	230.0
	8/07/2021 15:00	758.3	0.0	21.7	75.1	2.4	220.5
	8/07/2021 16:00	758.3	0.0	21.4	77.6	2.5	217.1
	8/07/2021 17:00	759.0	0.0	21.1	78.2	1.7	207.6
	8/07/2021 18:00	759.9	0.0	20.3	81.5	1.6	194.6
	8/07/2021 19:00	760.6	0.0	19.9	82.1	1.1	180.9
	8/07/2021 20:00	761.3	0.0	19.7	82.7	0.8	180.4
	8/07/2021 21:00	761.9	0.0	19.5	83.3	0.7	153.7
	8/07/2021 22:00	762.2	0.0	19.3	84.0	0.7	127.2
8/07/2021 23:00	762.1	0.0	19.0	84.5	0.6	137.8	
9	9/07/2021 00:00	761.8	0.0	19.0	83.5	0.7	129.0
	9/07/2021 01:00	761.4	0.0	19.4	81.6	0.6	143.3
	9/07/2021 02:00	761.0	0.0	19.6	80.2	1.0	130.4
	9/07/2021 03:00	760.5	0.0	19.6	79.8	0.8	166.6
	9/07/2021 04:00	760.1	0.0	19.6	80.3	1.0	169.9
	9/07/2021 05:00	760.3	0.0	19.7	79.7	0.9	157.9
	9/07/2021 06:00	760.3	0.0	19.7	79.5	1.1	148.2
	9/07/2021 07:00	760.5	0.0	19.9	79.2	1.8	122.1
	9/07/2021 08:00	760.9	0.0	20.6	76.5	1.9	131.9
	9/07/2021 09:00	761.1	0.0	22.0	71.9	1.4	132.0
	9/07/2021 10:00	761.0	0.0	23.5	66.5	1.3	168.0
	9/07/2021 11:00	760.6	0.0	24.3	63.8	1.8	188.2
	9/07/2021 12:00	760.3	0.0	25.1	62.1	2.0	173.8
	9/07/2021 13:00	760.0	0.0	23.5	67.0	2.5	188.0
	9/07/2021 14:00	759.4	0.0	23.4	67.1	2.7	179.6
	9/07/2021 15:00	758.8	0.0	22.4	70.5	1.8	180.6
	9/07/2021 16:00	758.5	0.0	21.9	73.6	1.3	190.1
	9/07/2021 17:00	758.7	0.0	21.4	78.2	1.2	181.2
	9/07/2021 18:00	758.7	0.0	21.3	77.6	0.8	177.3
	9/07/2021 19:00	759.1	0.0	21.3	78.3	0.5	172.0
	9/07/2021 20:00	759.8	0.0	21.1	79.2	0.6	288.7
	9/07/2021 21:00	760.5	0.0	20.5	83.1	1.2	238.3
	9/07/2021 22:00	761.2	0.0	20.0	84.8	1.0	200.2
9/07/2021 23:00	761.6	0.0	19.8	86.2	0.9	178.5	
10	10/07/2021 00:00	761.5	0.0	19.4	88.0	1.2	175.2
	10/07/2021 01:00	761.1	0.0	19.2	88.3	1.0	158.7
	10/07/2021 02:00	760.4	0.0	19.1	87.7	0.9	145.8
	10/07/2021 03:00	760.0	0.0	19.3	85.1	1.4	121.7
	10/07/2021 04:00	759.7	0.0	19.6	83.2	1.3	130.2
	10/07/2021 05:00	759.8	0.0	19.6	83.2	1.1	159.1
	10/07/2021 06:00	760.1	0.0	19.7	82.1	1.1	125.5
	10/07/2021 07:00	760.5	0.0	19.9	81.9	1.2	128.2
	10/07/2021 08:00	761.1	0.0	20.6	79.1	1.4	128.5
	10/07/2021 09:00	760.8	0.0	22.0	72.6	1.3	127.5
	10/07/2021 10:00	760.7	0.0	23.5	67.2	1.3	156.6
	10/07/2021 11:00	760.3	0.0	24.8	62.8	1.4	172.2
	10/07/2021 12:00	759.7	0.0	25.4	61.7	1.8	204.9
10/07/2021 13:00	759.0	0.0	22.6	74.4	3.5	227.6	
10/07/2021 14:00	758.2	0.0	22.7	73.7	2.8	225.3	
10/07/2021 15:00	757.9	0.0	22.5	73.4	2.4	212.0	
10/07/2021 16:00	757.9	0.0	21.9	78.3	2.7	228.4	
10/07/2021 17:00	758.3	0.0	20.7	83.4	1.8	217.7	
10/07/2021 18:00	758.9	0.0	20.5	82.6	1.3	203.4	
10/07/2021 19:00	759.5	0.0	20.4	83.2	1.2	177.9	
10/07/2021 20:00	760.0	0.0	20.2	84.6	0.8	173.4	

	10/07/2021 21:00	760.6	0.0	20.0	84.8	0.6	145.6
	10/07/2021 22:00	760.8	0.0	19.9	85.8	0.5	125.1
	10/07/2021 23:00	761.0	0.0	19.9	85.3	0.6	162.6
	11/07/2021 00:00	760.8	0.0	19.9	85.1	0.5	163.9
	11/07/2021 01:00	760.7	0.0	19.9	85.3	0.5	165.8
	11/07/2021 02:00	760.5	0.0	19.9	85.0	0.7	189.4
	11/07/2021 03:00	760.4	0.0	20.0	85.3	0.8	206.3
	11/07/2021 04:00	760.3	0.0	19.8	87.3	0.9	228.7
	11/07/2021 05:00	760.5	0.0	19.6	88.7	0.9	200.2
	11/07/2021 06:00	760.9	0.0	19.8	86.8	0.4	159.6
	11/07/2021 07:00	760.9	0.0	19.8	85.5	0.8	171.9
	11/07/2021 08:00	761.0	0.0	20.5	82.9	0.8	195.1
	11/07/2021 09:00	761.0	0.0	21.5	78.1	1.0	178.4
	11/07/2021 10:00	760.7	0.0	23.2	71.7	1.3	189.5
	11/07/2021 11:00	760.3	0.0	24.4	68.0	2.0	209.9
	11/07/2021 12:00	759.7	0.0	22.4	74.8	3.8	227.0
	11/07/2021 13:00	759.3	0.0	22.3	75.5	3.3	222.0
	11/07/2021 14:00	758.7	0.0	21.8	77.4	3.2	228.8
	11/07/2021 15:00	758.4	0.0	21.8	77.1	2.0	210.3
	11/07/2021 16:00	758.2	0.0	22.5	74.4	1.8	215.4
	11/07/2021 17:00	758.5	0.0	21.8	76.9	1.8	210.9
	11/07/2021 18:00	759.0	0.0	21.4	76.9	1.6	184.8
	11/07/2021 19:00	759.6	0.0	20.7	79.1	1.0	174.9
	11/07/2021 20:00	760.2	0.0	20.3	80.9	0.7	141.3
	11/07/2021 21:00	760.6	0.0	20.2	81.3	0.7	122.4
	11/07/2021 22:00	760.8	0.0	20.2	81.3	0.8	132.5
	11/07/2021 23:00	760.8	0.0	20.2	81.3	0.8	135.6
	12/07/2021 00:00	760.6	0.0	20.4	79.8	0.7	162.4
	12/07/2021 01:00	760.2	0.0	20.3	79.4	0.7	134.6
	12/07/2021 02:00	759.8	0.0	20.3	79.8	0.8	139.7
	12/07/2021 03:00	759.5	0.0	20.3	80.5	1.0	193.5
	12/07/2021 04:00	759.5	0.0	20.2	80.6	1.1	176.3
	12/07/2021 05:00	759.6	0.0	20.1	80.9	1.1	189.5
	12/07/2021 06:00	760.0	0.0	20.1	80.9	1.0	160.4
	12/07/2021 07:00	760.8	0.0	20.3	80.2	0.9	165.5
	12/07/2021 08:00	761.4	0.0	21.0	78.0	1.1	117.6
	12/07/2021 09:00	761.5	0.0	22.5	73.2	1.2	183.4
	12/07/2021 10:00	761.6	0.0	23.7	69.0	1.3	168.6
	12/07/2021 11:00	761.3	0.0	24.1	67.9	1.8	185.1
	12/07/2021 12:00	760.9	0.0	23.0	74.2	2.9	227.1
	12/07/2021 13:00	760.4	0.0	23.0	74.2	2.6	224.4
	12/07/2021 14:00	760.0	0.0	22.9	75.0	2.5	210.8
	12/07/2021 15:00	759.5	0.0	22.4	76.4	2.7	205.5
	12/07/2021 16:00	758.3	0.0	22.3	76.9	2.2	215.9
	12/07/2021 17:00	758.4	0.0	21.7	77.4	2.3	189.4
	12/07/2021 18:00	760.1	0.0	20.9	81.0	1.9	186.4
	12/07/2021 19:00	760.5	0.0	20.3	84.1	1.4	173.3
	12/07/2021 20:00	761.0	0.0	20.1	85.2	1.0	158.0
	12/07/2021 21:00	761.4	0.0	19.9	86.0	1.4	179.0
	12/07/2021 22:00	761.5	0.0	19.8	86.8	1.6	180.0
	12/07/2021 23:00	761.5	0.0	19.8	87.3	1.9	182.9
	13/07/2021 00:00	761.5	0.0	19.7	88.6	1.7	184.9
	13/07/2021 01:00	761.2	0.0	19.9	87.3	0.7	170.1
	13/07/2021 02:00	760.7	0.0	20.1	85.0	0.6	144.9
	13/07/2021 03:00	760.3	0.0	20.4	83.9	0.9	152.2
	13/07/2021 04:00	760.2	0.0	20.3	82.8	1.0	136.4
	13/07/2021 05:00	760.1	0.0	20.5	81.5	1.3	126.2
	13/07/2021 06:00	760.2	0.0	20.4	81.7	1.0	138.4
	13/07/2021 07:00	760.4	0.0	20.9	79.6	1.1	118.4
	13/07/2021 08:00	760.9	0.0	22.6	74.2	0.8	134.8
	13/07/2021 09:00	761.2	0.0	24.2	69.2	1.0	213.9
	13/07/2021 10:00	761.2	0.0	23.9	70.5	2.8	232.4
	13/07/2021 11:00	760.7	0.0	24.2	68.7	2.8	218.4
	13/07/2021 12:00	760.2	0.0	24.6	67.7	2.3	205.7
	13/07/2021 13:00	759.7	0.0	24.5	66.3	2.5	188.2
	13/07/2021 14:00	759.0	0.0	23.7	69.5	2.8	188.8
	13/07/2021 15:00	758.7	0.0	23.0	72.8	3.0	196.1
	13/07/2021 16:00	758.5	0.0	22.2	76.5	2.7	185.8
	13/07/2021 17:00	758.1	0.0	21.4	79.7	2.6	181.8
	13/07/2021 18:00	759.7	0.0	20.5	82.9	2.0	180.9
	13/07/2021 19:00	760.4	0.0	19.9	86.1	1.5	177.9
	13/07/2021 20:00	761.0	0.0	19.8	87.3	1.4	181.6
	13/07/2021 21:00	761.2	0.0	19.7	88.0	1.2	185.4
	13/07/2021 22:00	761.4	0.0	19.6	88.8	0.8	169.7
	13/07/2021 23:00	761.2	0.0	19.7	88.0	1.6	174.7
	14/07/2021 00:00	761.0	0.0	20.1	85.5	1.0	176.5
	14/07/2021 01:00	760.9	0.0	20.4	83.5	1.0	144.4
	14/07/2021 02:00	760.7	0.0	20.4	82.8	0.8	163.6
	14/07/2021 03:00	760.4	0.0	20.2	83.2	0.6	164.2
	14/07/2021 04:00	760.4	0.0	20.1	83.5	0.8	120.4
	14/07/2021 05:00	760.5	0.0	20.1	83.9	0.9	169.2
	14/07/2021 06:00	760.7	0.0	19.8	86.1	1.6	189.2
	14/07/2021 07:00	761.1	0.0	19.8	86.5	1.7	183.5
	14/07/2021 08:00	761.8	0.0	20.3	84.5	1.1	192.8
	14/07/2021 09:00	761.9	0.0	21.1	80.7	1.0	161.1
	14/07/2021 10:00	761.5	0.0	22.5	74.4	1.5	177.6
	14/07/2021 11:00	761.0	0.0	24.0	68.8	1.6	177.9
	14/07/2021 12:00	760.5	0.0	24.5	66.9	2.2	186.9
	14/07/2021 13:00	760.0	0.0	24.5	66.5	2.8	182.3
	14/07/2021 14:00	759.6	0.0	24.5	66.0	2.6	183.1
	14/07/2021 15:00	759.1	0.0	23.8	69.7	2.7	190.9
	14/07/2021 16:00	758.9	0.0	22.8	72.2	2.8	187.7
	14/07/2021 17:00	758.3	0.0	21.8	76.0	2.3	184.2
	14/07/2021 18:00	758.8	0.0	20.9	79.4	1.9	175.2
	14/07/2021 19:00	760.4	0.0	20.2	82.1	1.6	186.7
	14/07/2021 20:00	761.3	0.0	19.9	83.2	1.7	180.0
	14/07/2021 21:00	762.0	0.0	19.6	85.0	1.3	179.3
	14/07/2021 22:00	762.3	0.0	19.5	85.2	1.0	168.5
	14/07/2021 23:00	762.5	0.0	19.6	83.4	1.2	186.5
	15/07/2021 00:00	762.2	0.0	19.3	84.2	0.8	166.6
	15/07/2021 01:00	762.0	0.0	19.1	83.7	0.6	150.0
	15/07/2021 02:00	761.7	0.0	19.3	83.5	0.7	153.4
	15/07/2021 03:00	761.5	0.0	19.2	83.0	0.9	130.3
	15/07/2021 04:00	761.2	0.0	19.0	83.3	0.8	145.2
	15/07/2021 05:00	761.2	0.0	18.9	83.2	0.8	144.3
	15/07/2021 06:00	761.3	0.0	18.9	83.6	0.8	174.1
	15/07/2021 07:00	761.6	0.0	19.4	82.5	0.8	120.9
	15/07/2021 08:00	761.9	0.0	20.7	78.0	1.2	115.9
	15/07/2021 09:00	761.9	0.0	22.3	72.7	1.2	162.1
	15/07/2021 10:00	761.6	0.0	23.7	68.1	1.6	186.3
	15/07/2021 11:00	761.1	0.0	24.1	65.8	2.3	194.6
	15/07/2021 12:00	760.6	0.0	23.5	66.9	2.6	188.4
	15/07/2021 13:00	760.1	0.0	23.2	67.4	2.3	188.3
	15/07/2021 14:00	759.5	0.0	22.9	67.7	2.8	184.4
	15/07/2021 15:00	759.2	0.0	22.6	70.5	2.1	200.3
	15/07/2021 16:00	759.0	0.0	21.8	73.5	2.7	182.6
	15/07/2021 17:00	758.2	0.0	20.9	76.9	2.7	184.2
	15/07/2021 18:00	758.7	0.0	19.9	81.7	2.6	181.7
	15/07/2021 19:00	760.3	0.0	19.3	83.9	2.6	177.2
	15/07/2021 20:00	760.8	0.0	19.2	85.2	2.1	184.0
	15/07/2021 21:00	761.2	0.0	19.1	85.9	1.5	181.3
	15/07/2021 22:00	761.5	0.0	19.0	86.7	1.5	183.1
	15/07/2021 23:00	761.5	0.0	18.9	87.8	1.2	178.1
	16/07/2021 00:00	761.4	0.0	19.3	85.2	1.1	176.9
	16/07/2021 01:00	761.2	0.0	19.6	83.4	1.1	175.5
	16/07/2021 02:00	760.9	0.0	19.8	81.5	0.9	141.3
	16/07/2021 03:00	760.6	0.0	19.8	80.5	0.9	117.8
	16/07/2021 04:00	760.7	0.0	19.7	80.7	1.0	138.5
	16/07/2021 05:00	760.8	0.0	19.6	81.1	0.9	143.2
	16/07/2021 06:00	761.3	0.0	19.7	81.3	1.0	155.2
	16/07/2021 07:00	761.6	0.0	19.9	81.3	0.9	161.2
	16/07/2021 08:00	762.2	0.0	20.4	79.1	1.2	124.8

16	16/07/2021 09:00	762.1	0.0	21.7	74.2	1.3	151.7
	16/07/2021 10:00	761.9	0.0	22.9	70.1	1.2	155.8
	16/07/2021 11:00	761.4	0.0	23.5	67.9	2.1	183.4
	16/07/2021 12:00	760.9	0.0	23.0	70.5	2.5	186.5
	16/07/2021 13:00	760.5	0.0	22.8	71.8	2.7	186.5
	16/07/2021 14:00	759.9	0.0	23.4	69.5	2.3	194.6
	16/07/2021 15:00	759.3	0.0	22.1	73.7	2.1	187.1
	16/07/2021 16:00	759.1	0.0	21.7	74.7	1.6	190.3
	16/07/2021 17:00	759.7	0.0	20.9	76.8	1.6	186.4
	16/07/2021 18:00	760.4	0.0	20.2	78.5	1.6	179.1
	16/07/2021 19:00	761.0	0.0	19.5	81.4	1.1	165.4
	16/07/2021 20:00	761.5	0.0	19.4	83.1	0.9	169.3
	16/07/2021 21:00	762.0	0.0	19.3	83.8	1.0	170.6
	16/07/2021 22:00	761.9	0.0	19.4	83.5	0.8	184.1
	16/07/2021 23:00	761.8	0.0	19.5	83.8	0.8	168.5
	17/07/2021 00:00	761.5	0.0	19.3	84.8	0.7	159.0
	17/07/2021 01:00	761.1	0.0	19.3	85.4	0.9	145.7
	17/07/2021 02:00	760.6	0.0	19.6	83.3	1.2	134.4
	17/07/2021 03:00	760.4	0.0	19.6	82.8	1.4	116.9
	17/07/2021 04:00	760.2	0.0	19.5	83.5	1.6	127.6
	17/07/2021 05:00	759.8	0.0	19.9	82.3	1.3	81.8
	17/07/2021 06:00	759.9	0.0	20.5	81.5	0.9	200.0
	17/07/2021 07:00	760.8	0.0	19.2	85.8	2.0	184.1
17/07/2021 08:00	761.2	0.0	19.6	84.5	1.5	185.5	
17/07/2021 09:00	761.3	0.0	20.6	80.7	1.5	189.7	
17/07/2021 10:00	761.0	0.0	22.2	76.2	1.4	178.3	
17/07/2021 11:00	760.4	0.0	23.9	69.7	1.5	154.3	
17/07/2021 12:00	759.8	0.0	25.1	64.9	1.8	186.9	
17/07/2021 13:00	759.2	0.0	24.5	66.6	2.3	190.3	
17/07/2021 14:00	758.9	0.0	24.6	68.1	2.5	191.8	
17/07/2021 15:00	758.7	0.0	24.3	66.7	2.3	193.1	
17/07/2021 16:00	758.9	0.0	23.2	70.2	2.2	180.7	
17/07/2021 17:00	759.3	0.0	21.5	76.9	1.5	186.0	
17/07/2021 18:00	759.7	0.0	20.4	82.5	1.0	154.5	
17/07/2021 19:00	760.3	0.0	20.0	83.8	0.9	174.1	
17/07/2021 20:00	760.9	0.0	19.9	84.2	1.0	185.1	
17/07/2021 21:00	761.3	0.0	19.9	84.3	1.5	182.4	
17/07/2021 22:00	761.3	0.0	20.3	81.7	1.4	171.2	
17/07/2021 23:00	761.2	0.0	20.4	81.5	0.8	154.1	
17	18/07/2021 00:00	760.9	0.0	20.6	79.9	1.1	146.0
	18/07/2021 01:00	760.5	0.0	20.6	79.2	1.1	157.0
	18/07/2021 02:00	760.0	0.0	20.3	79.9	1.2	176.7
	18/07/2021 03:00	759.9	0.0	20.1	81.2	0.9	173.7
	18/07/2021 04:00	759.8	0.0	19.9	81.5	1.1	165.7
	18/07/2021 05:00	759.9	0.0	19.9	81.6	0.9	159.6
	18/07/2021 06:00	760.2	0.0	19.9	82.2	0.9	137.4
	18/07/2021 07:00	760.6	0.0	19.9	82.9	0.9	159.6
	18/07/2021 08:00	761.3	0.0	20.5	80.8	1.1	147.2
	18/07/2021 09:00	761.3	0.0	21.3	77.2	1.3	158.8
	18/07/2021 10:00	761.0	0.0	22.3	74.3	1.2	130.4
	18/07/2021 11:00	760.3	0.0	23.4	70.8	1.8	180.9
	18/07/2021 12:00	759.7	0.0	24.3	68.0	2.3	200.9
	18/07/2021 13:00	758.9	0.0	23.6	70.8	2.4	219.2
	18/07/2021 14:00	758.1	0.0	23.8	69.8	2.1	212.8
	18/07/2021 15:00	757.1	0.0	23.7	72.9	2.4	227.4
	18/07/2021 16:00	757.6	0.0	23.4	71.2	2.0	209.7
	18/07/2021 17:00	757.9	0.0	22.8	71.7	2.1	184.8
	18/07/2021 18:00	758.6	0.0	21.4	75.4	0.9	178.7
	18/07/2021 19:00	759.3	0.0	20.2	80.9	0.9	176.5
	18/07/2021 20:00	760.2	0.0	19.4	85.6	0.8	150.1
	18/07/2021 21:00	760.8	0.0	19.1	86.8	0.7	154.8
	18/07/2021 22:00	761.0	0.0	18.9	87.3	0.4	157.3
18/07/2021 23:00	760.6	0.0	18.7	87.9	0.4	140.0	
18	19/07/2021 00:00	760.4	0.0	18.6	88.1	0.4	143.4
	19/07/2021 01:00	759.8	0.0	18.7	87.8	0.6	116.5
	19/07/2021 02:00	759.2	0.0	19.3	84.9	0.8	142.9
	19/07/2021 03:00	759.1	0.0	18.8	82.2	0.9	131.9
	19/07/2021 04:00	759.7	0.0	19.7	81.9	0.8	145.7
	19/07/2021 05:00	759.2	0.0	19.3	83.4	0.8	140.5
	19/07/2021 06:00	759.4	0.0	18.9	85.3	0.8	134.7
	19/07/2021 07:00	759.8	0.0	19.3	83.7	1.2	128.7
	19/07/2021 08:00	760.3	0.0	20.2	80.6	0.9	129.9
	19/07/2021 09:00	760.4	0.0	21.3	76.8	1.2	179.3
	19/07/2021 10:00	760.0	0.0	22.5	73.2	1.2	157.2
	19/07/2021 11:00	759.6	0.0	22.3	73.6	1.9	200.9
	19/07/2021 12:00	759.2	0.0	21.6	77.2	2.8	232.4
	19/07/2021 13:00	758.6	0.0	22.2	75.2	2.6	224.2
	19/07/2021 14:00	758.0	0.0	22.1	76.3	2.6	222.1
	19/07/2021 15:00	757.6	0.0	21.8	77.2	2.7	223.3
	19/07/2021 16:00	757.8	0.0	21.4	78.0	2.3	210.2
	19/07/2021 17:00	758.1	0.0	21.0	79.8	1.8	211.8
	19/07/2021 18:00	758.5	0.0	20.4	81.2	1.2	194.7
	19/07/2021 19:00	759.1	0.0	20.1	82.3	1.1	181.6
	19/07/2021 20:00	759.4	0.0	19.7	83.3	0.9	171.0
	19/07/2021 21:00	759.9	0.0	19.3	84.4	0.7	156.3
	19/07/2021 22:00	760.1	0.0	19.1	85.8	0.5	142.3
19/07/2021 23:00							
19	20/07/2021 00:00	759.7	0.0	18.6	88.6	0.9	187.9
	20/07/2021 01:00	759.3	0.0	18.5	89.7	0.8	185.7
	20/07/2021 02:00	758.8	0.0	18.5	89.5	0.5	175.9
	20/07/2021 03:00	758.5	0.0	18.6	88.0	0.8	183.4
	20/07/2021 04:00	758.6	0.0	18.4	87.0	0.7	159.8
	20/07/2021 05:00	758.9	0.0	18.4	86.2	0.7	147.2
	20/07/2021 06:00	759.0	0.0	18.3	86.0	0.9	132.6
	20/07/2021 07:00	759.5	0.0	18.9	84.6	0.8	133.2
	20/07/2021 08:00	760.1	0.0	20.3	79.8	0.9	141.8
	20/07/2021 09:00	760.5	0.0	21.3	76.6	1.4	182.6
	20/07/2021 10:00	760.3	0.0	21.8	76.5	2.1	225.1
	20/07/2021 11:00	760.0	0.0	21.6	78.5	2.7	231.9
	20/07/2021 12:00	759.4	0.0	21.8	77.7	3.1	222.9
	20/07/2021 13:00	758.8	0.0	22.0	76.5	2.8	220.1
	20/07/2021 14:00	758.3	0.0	22.3	75.1	2.9	226.7
	20/07/2021 15:00	758.1	0.0	22.2	72.8	2.9	225.7
	20/07/2021 16:00	758.3	0.0	21.5	75.4	2.4	192.3
	20/07/2021 17:00	758.7	0.0	21.3	77.1	2.2	203.4
	20/07/2021 18:00	759.2	0.0	20.9	78.5	1.6	197.0
	20/07/2021 19:00	759.7	0.0	20.4	80.8	1.1	180.1
	20/07/2021 20:00	760.0	0.0	20.2	82.8	1.8	178.2
	20/07/2021 21:00	760.5	0.0	20.0	83.7	1.0	178.7
	20/07/2021 22:00	760.5	0.0	19.8	84.2	1.2	184.9
20/07/2021 23:00	760.4	0.0	19.6	84.6	0.8	128.3	
20	21/07/2021 00:00	760.2	0.0	19.3	85.7	1.0	176.9
	21/07/2021 01:00	759.7	0.0	19.0	85.6	0.8	169.0
	21/07/2021 02:00	759.3	0.0	18.9	85.4	0.7	175.6
	21/07/2021 03:00	758.8	0.0	18.8	84.9	0.8	164.1
	21/07/2021 04:00	758.4	0.0	18.7	84.9	1.0	175.2
	21/07/2021 05:00	758.5	0.0	18.5	85.2	1.2	190.5
	21/07/2021 06:00	758.9	0.0	18.4	85.2	1.3	133.8
	21/07/2021 07:00	759.6	0.0	18.8	84.0	1.2	114.6
	21/07/2021 08:00	760.2	0.0	20.3	78.5	1.2	150.3
	21/07/2021 09:00	760.2	0.0	22.1	72.1	1.3	156.7
	21/07/2021 10:00	760.1	0.0	24.1	65.9	1.4	169.2
	21/07/2021 11:00	759.8	0.0	24.9	64.2	1.9	177.9
	21/07/2021 12:00	759.1	0.0	24.9	64.8	2.2	187.2
	21/07/2021 13:00	758.6	0.0	24.8	65.5	2.2	192.2
	21/07/2021 14:00	758.1	0.0	24.3	67.6	2.4	190.5
	21/07/2021 15:00	757.6	0.0	24.0	68.9	2.2	187.1
	21/07/2021 16:00	757.8	0.0	23.0	72.8	2.1	185.0
	21/07/2021 17:00	758.4	0.0	23.9	76.5	2.0	180.7
	21/07/2021 18:00	759.2	0.0	20.4	82.0	1.9	183.8
	21/07/2021 19:00	760.0	0.0	19.8	84.8	1.6	181.8
	21/07/2021 20:00	760.5	0.0	19.5	85.6	1.5	190.1

22	21/07/2021 21:00	761.0	0.0	19.4	86.4	0.8	172.1
	21/07/2021 22:00	761.1	0.0	19.4	87.1	0.8	171.6
	21/07/2021 23:00	761.2	0.0	19.3	87.5	1.2	180.2
	22/07/2021 00:00	761.0	0.0	19.4	87.4	1.0	166.0
	22/07/2021 01:00	760.6	0.0	19.3	85.2	0.9	161.0
	22/07/2021 02:00	760.0	0.0	19.2	85.9	0.8	155.1
	22/07/2021 03:00	759.5	0.0	19.1	86.7	0.9	155.1
	22/07/2021 04:00	759.3	0.0	19.1	87.0	1.2	145.9
	22/07/2021 05:00	759.5	0.0	19.0	87.3	1.1	139.3
	22/07/2021 06:00	759.8	0.0	18.9	87.7	0.8	139.8
	22/07/2021 07:00	760.1	0.0	19.5	86.4	1.0	164.3
	22/07/2021 08:00	760.7	0.0	20.8	82.0	1.2	156.1
	22/07/2021 09:00	761.1	0.0	22.3	76.1	1.3	192.9
	22/07/2021 10:00	761.0	0.0	23.7	70.1	1.4	161.2
	22/07/2021 11:00	760.9	0.0	24.0	69.8	2.5	194.2
	22/07/2021 12:00	760.9	0.0	23.1	73.2	2.8	194.2
	22/07/2021 13:00	760.3	0.0	23.4	71.1	2.7	191.3
	22/07/2021 14:00	759.8	0.0	23.1	70.6	2.6	188.6
	22/07/2021 15:00	759.6	0.0	22.4	71.7	2.7	195.0
	22/07/2021 16:00	759.4	0.0	21.8	73.2	3.0	186.4
	22/07/2021 17:00	759.7	0.0	21.3	76.5	2.7	190.5
	22/07/2021 18:00	760.1	0.0	20.3	80.4	2.2	180.3
	22/07/2021 19:00	760.4	0.0	19.8	82.0	1.5	178.8
22/07/2021 20:00	760.6	0.0	19.8	82.0	1.2	185.8	
22/07/2021 21:00	761.0	0.0	19.8	82.0	1.3	178.0	
22/07/2021 22:00	761.2	0.0	19.9	81.8	1.1	174.5	
22/07/2021 23:00	760.8	0.0	19.9	79.7	0.9	144.8	
23	23/07/2021 00:00	760.6	0.0	19.6	78.5	0.7	177.5
	23/07/2021 01:00	760.7	0.0	19.2	80.5	0.8	166.1
	23/07/2021 02:00	760.6	0.0	18.9	82.2	0.8	142.2
	23/07/2021 03:00	760.8	0.0	18.6	83.0	0.8	131.9
	23/07/2021 04:00	760.6	0.0	18.2	83.7	0.5	147.5
	23/07/2021 05:00	761.0	0.0	17.8	85.1	0.6	167.7
	23/07/2021 06:00	761.5	0.0	18.0	85.4	0.8	126.7
	23/07/2021 07:00	762.0	0.0	18.7	82.5	0.8	121.7
	23/07/2021 08:00	762.3	0.0	19.7	78.2	1.0	147.0
	23/07/2021 09:00	762.5	0.0	20.5	76.5	1.2	120.9
	23/07/2021 10:00	762.3	0.0	21.5	74.0	1.4	152.9
	23/07/2021 11:00	761.9	0.0	22.7	70.5	1.6	112.3
	23/07/2021 12:00	761.2	0.0	24.3	66.1	1.5	132.9
	23/07/2021 13:00	760.4	0.0	24.7	65.5	1.9	173.7
	23/07/2021 14:00	759.9	0.0	24.5	69.5	2.0	197.0
	23/07/2021 15:00	759.4	0.0	23.8	69.1	2.2	201.4
	23/07/2021 16:00	759.5	0.0	22.1	75.6	2.6	208.0
	23/07/2021 17:00	760.1	0.0	21.0	77.8	2.4	190.9
	23/07/2021 18:00	760.7	0.0	20.3	79.8	1.8	180.5
	23/07/2021 19:00	761.5	0.0	19.8	81.4	1.8	176.1
	23/07/2021 20:00	762.2	0.0	19.8	81.1	0.9	182.4
	23/07/2021 21:00	762.8	0.0	19.6	81.3	0.8	160.5
	23/07/2021 22:00	763.0	0.0	19.5	80.6	0.9	125.3
23/07/2021 23:00	763.0	0.0	19.2	81.1	0.8	154.5	
24	24/07/2021 00:00	762.9	0.0	19.3	80.8	1.0	164.9
	24/07/2021 01:00	762.7	0.0	19.3	80.3	1.0	144.2
	24/07/2021 02:00	762.4	0.0	19.2	80.2	1.0	145.0
	24/07/2021 03:00	762.1	0.0	19.2	80.3	0.8	177.4
	24/07/2021 04:00	762.0	0.0	19.2	80.8	0.6	171.8
	24/07/2021 05:00	762.0	0.0	19.2	80.4	0.6	137.9
	24/07/2021 06:00	762.2	0.0	19.1	81.4	0.6	162.7
	24/07/2021 07:00	762.4	0.0	19.3	83.1	0.7	181.5
	24/07/2021 08:00	762.6	0.0	20.8	77.4	1.0	123.3
	24/07/2021 09:00	762.7	0.0	22.4	71.4	1.1	191.1
	24/07/2021 10:00	762.6	0.0	22.8	70.8	1.9	199.8
	24/07/2021 11:00	762.3	0.0	22.1	74.6	3.0	223.2
	24/07/2021 12:00	762.2	0.0	21.3	77.5	3.1	220.1
	24/07/2021 13:00	761.8	0.0	21.2	78.6	3.2	218.1
	24/07/2021 14:00	761.5	0.0	21.1	78.6	2.9	224.9
	24/07/2021 15:00	761.3	0.0	21.1	78.8	2.7	221.5
	24/07/2021 16:00	761.2	0.0	20.7	79.9	2.6	226.1
	24/07/2021 17:00	761.6	0.0	20.2	81.8	2.0	210.6
	24/07/2021 18:00	762.0	0.0	19.9	83.0	1.5	196.1
	24/07/2021 19:00	762.5	0.0	19.9	82.7	1.3	199.0
	24/07/2021 20:00	763.2	0.0	19.8	83.0	1.3	213.9
	24/07/2021 21:00	763.8	0.0	19.7	83.2	1.2	192.8
	24/07/2021 22:00	763.9	0.0	19.9	82.3	0.9	185.3
24/07/2021 23:00	764.0	0.0	19.9	82.1	0.8	176.1	
25	25/07/2021 00:00	763.9	0.0	19.8	81.6	1.1	183.0
	25/07/2021 01:00	763.4	0.0	19.7	82.4	0.8	175.8
	25/07/2021 02:00	762.9	0.0	19.6	83.2	1.0	183.8
	25/07/2021 03:00	762.8	0.0	19.4	84.9	0.9	191.0
	25/07/2021 04:00	762.5	0.0	19.3	85.8	1.0	187.7
	25/07/2021 05:00	762.5	0.0	19.1	88.0	1.0	187.9
	25/07/2021 06:00	762.7	0.0	19.1	88.5	0.7	176.4
	25/07/2021 07:00	762.9	0.0	19.5	87.1	0.8	189.3
	25/07/2021 08:00	763.1	0.0	20.5	81.7	0.9	182.0
	25/07/2021 09:00	763.0	0.0	21.5	78.2	1.0	152.9
	25/07/2021 10:00	762.8	0.0	22.8	73.8	1.2	177.7
	25/07/2021 11:00	762.5	0.0	23.0	72.6	2.0	186.9
	25/07/2021 12:00	761.9	0.0	23.7	69.7	2.1	193.5
	25/07/2021 13:00	761.5	0.0	23.6	70.3	2.5	219.7
	25/07/2021 14:00	761.0	0.0	23.6	70.1	2.4	213.6
	25/07/2021 15:00	760.5	0.0	23.0	71.5	2.7	222.2
	25/07/2021 16:00	760.2	0.0	22.5	74.2	2.4	216.8
	25/07/2021 17:00	760.1	0.0	22.1	73.5	2.0	192.9
	25/07/2021 18:00	760.4	0.0	21.4	76.1	1.9	183.3
	25/07/2021 19:00	761.0	0.0	20.5	80.5	1.4	174.9
	25/07/2021 20:00	761.5	0.0	20.2	81.9	1.1	183.5
	25/07/2021 21:00	762.0	0.0	20.2	81.5	1.3	181.5
	25/07/2021 22:00	762.4	0.0	20.1	80.9	1.3	185.0
25/07/2021 23:00	762.7	0.0	20.3	80.4	2.0	187.1	
26	26/07/2021 00:00	762.7	0.0	20.3	79.1	1.1	180.4
	26/07/2021 01:00	762.5	0.0	20.3	78.5	0.8	147.2
	26/07/2021 02:00	762.0	0.0	20.1	78.3	1.2	125.0
	26/07/2021 03:00	761.8	0.0	19.9	79.5	1.3	128.1
	26/07/2021 04:00	761.6	0.0	20.0	79.4	1.1	128.9
	26/07/2021 05:00	761.7	0.0	19.9	81.5	1.5	135.7
	26/07/2021 06:00	761.8	0.0	19.8	82.4	1.1	114.7
	26/07/2021 07:00	762.2	0.0	20.1	82.3	1.0	165.8
	26/07/2021 08:00	762.8	0.0	20.6	80.3	1.3	123.5
	26/07/2021 09:00	762.9	0.0	21.2	77.3	1.2	140.8
	26/07/2021 10:00	762.6	0.0	22.4	72.6	1.4	125.7
	26/07/2021 11:00	762.0	0.0	24.4	65.7	1.4	147.1
	26/07/2021 12:00	761.3	0.0	25.6	62.2	1.6	167.3
	26/07/2021 13:00	760.6	0.0	25.6	62.5	1.9	186.2
	26/07/2021 14:00	759.8	0.0	26.1	60.5	1.8	172.7
	26/07/2021 15:00	759.4	0.0	24.8	64.3	2.5	186.6
	26/07/2021 16:00	759.3	0.0	24.2	67.3	2.1	191.2
	26/07/2021 17:00	759.5	0.0	22.7	73.1	2.3	199.0
	26/07/2021 18:00	760.3	0.0	21.1	78.4	1.7	176.2
	26/07/2021 19:00	761.1	0.0	20.2	81.8	1.2	179.7

27	26/07/2021 20:00	761.9	0.0	20.1	83.3	1.1	175.9
	26/07/2021 21:00	762.6	0.0	20.0	84.0	1.3	171.3
	26/07/2021 22:00	762.8	0.0	20.0	84.3	0.9	178.0
	26/07/2021 23:00						
	27/07/2021 00:00	762.6	0.0	20.1	82.2	1.1	185.2
	27/07/2021 01:00	762.3	0.0	20.2	81.8	0.7	191.6
	27/07/2021 02:00	761.9	0.0	20.3	80.7	1.1	120.2
	27/07/2021 03:00	761.4	0.0	20.3	81.3	1.1	129.2
	27/07/2021 04:00	761.2	0.0	20.3	80.9	1.6	123.6
	27/07/2021 05:00	761.0	0.0	20.2	80.8	1.6	123.4
	27/07/2021 06:00	761.1	0.0	20.0	80.9	1.4	129.1
	27/07/2021 07:00	761.8	0.0	20.4	79.7	1.0	152.1
	27/07/2021 08:00	762.5	0.0	21.5	76.0	1.1	136.8
	27/07/2021 09:00	762.8	0.0	22.9	71.5	1.0	162.2
	27/07/2021 10:00	762.5	0.0	24.0	67.5	1.5	180.7
	27/07/2021 11:00	761.9	0.0	25.4	63.4	1.5	175.8
	27/07/2021 12:00	761.2	0.0	25.4	63.9	2.3	192.6
	27/07/2021 13:00	760.4	0.0	25.2	64.8	2.2	202.7
	27/07/2021 14:00	759.7	0.0	25.1	64.5	2.3	189.9
	27/07/2021 15:00	759.3	0.0	23.5	72.0	2.2	222.2
	27/07/2021 16:00	759.5	0.0	21.3	81.7	2.5	214.9
	27/07/2021 17:00	759.8	0.0	21.4	80.7	1.9	200.9
	27/07/2021 18:00	760.3	0.0	20.4	84.1	1.6	178.6
27/07/2021 19:00	760.9	0.0	20.0	85.9	1.4	182.6	
27/07/2021 20:00	761.6	0.0	19.8	87.1	1.3	180.0	
27/07/2021 21:00	762.0	0.0	19.5	87.8	1.0	164.4	
27/07/2021 22:00	762.2	0.0	19.5	88.1	1.2	173.0	
27/07/2021 23:00	762.1	0.0	19.5	88.0	1.3	182.5	
28	28/07/2021 00:00	761.8	0.0	19.7	87.4	1.1	191.0
	28/07/2021 01:00	761.2	0.0	19.9	85.7	1.5	172.9
	28/07/2021 02:00	760.5	0.0	19.9	84.9	1.2	138.6
	28/07/2021 03:00	759.8	0.0	19.9	83.8	1.7	119.7
	28/07/2021 04:00	759.7	0.0	19.7	84.6	1.3	124.4
	28/07/2021 05:00	759.6	0.0	19.5	85.2	1.3	136.0
	28/07/2021 06:00	759.6	0.0	19.4	85.6	1.2	139.2
	28/07/2021 07:00	760.1	0.0	19.3	86.0	1.1	133.5
	28/07/2021 08:00	760.5	0.0	19.9	84.5	1.3	139.2
	28/07/2021 09:00	760.4	0.0	21.0	80.0	2.1	130.3
	28/07/2021 10:00	760.0	0.0	22.9	73.1	1.6	158.5
	28/07/2021 11:00	759.4	0.0	24.3	67.8	1.9	192.3
	28/07/2021 12:00	759.6	0.0	25.9	62.4	2.0	177.3
	28/07/2021 13:00	757.8	0.0	28.4	63.6	2.9	188.4
	28/07/2021 14:00	757.1	0.0	24.0	67.8	3.4	178.4
	28/07/2021 15:00	756.6	0.0	23.1	71.4	2.8	183.2
	28/07/2021 16:00	756.9	0.0	22.0	75.3	2.8	183.6
	28/07/2021 17:00	757.4	0.0	21.3	77.6	2.5	177.9
	28/07/2021 18:00	758.2	0.0	20.5	80.8	1.5	186.6
	28/07/2021 19:00	759.0	0.0	19.7	84.2	1.1	192.0
	28/07/2021 20:00	759.7	0.0	19.4	86.2	1.2	192.0
	28/07/2021 21:00	760.2	0.0	19.1	87.6	1.7	185.3
	28/07/2021 22:00	760.4	0.0	19.1	87.3	1.3	188.6
28/07/2021 23:00							
29	29/07/2021 00:00	760.7	0.0	19.2	85.5	1.3	182.1
	29/07/2021 01:00	760.3	0.0	19.2	85.1	1.2	186.3
	29/07/2021 02:00	760.3	0.0	19.3	84.8	0.8	176.3
	29/07/2021 03:00	760.0	0.0	19.1	85.2	1.4	179.1
	29/07/2021 04:00	760.0	0.0	19.2	85.3	0.8	179.8
	29/07/2021 05:00	760.4	0.0	19.2	85.5	1.1	186.4
	29/07/2021 06:00	760.6	0.0	19.0	86.6	0.9	172.1
	29/07/2021 07:00	760.8	0.0	19.0	87.1	1.0	176.9
	29/07/2021 08:00	761.4	0.0	19.3	86.3	0.8	167.8
	29/07/2021 09:00	761.5	0.0	20.0	83.4	1.0	183.0
	29/07/2021 10:00	761.3	0.0	21.1	78.5	0.9	167.4
	29/07/2021 11:00	760.8	0.0	22.3	74.0	1.4	181.6
	29/07/2021 12:00	760.2	0.0	23.5	70.0	1.5	182.9
	29/07/2021 13:00	759.4	0.0	23.6	68.6	2.3	186.1
	29/07/2021 14:00	758.7	0.0	23.7	67.6	2.3	186.1
	29/07/2021 15:00	758.3	0.0	22.8	71.2	2.3	202.2
	29/07/2021 16:00	758.2	0.0	22.7	71.4	2.1	195.0
	29/07/2021 17:00	758.5	0.0	21.9	73.9	2.3	185.0
	29/07/2021 18:00	759.2	0.0	21.0	77.7	1.0	181.4
	29/07/2021 19:00	760.0	0.0	19.8	82.6	1.1	174.6
	29/07/2021 20:00	760.5	0.0	19.4	84.2	1.4	182.0
	29/07/2021 21:00	760.9	0.0	19.2	85.3	1.4	186.0
	29/07/2021 22:00	761.2	0.0	19.0	85.7	1.2	175.3
29/07/2021 23:00	761.2	0.0	18.8	87.1	1.3	182.1	
30	30/07/2021 00:00	760.9	0.0	18.6	88.1	1.4	177.1
	30/07/2021 01:00	760.5	0.0	18.4	88.2	1.5	183.1
	30/07/2021 02:00	760.2	0.0	18.3	89.2	1.1	180.0
	30/07/2021 03:00	759.9	0.0	18.3	87.5	1.0	187.1
	30/07/2021 04:00	759.8	0.0	18.3	83.8	0.8	138.7
	30/07/2021 05:00	760.0	0.0	18.2	84.2	1.0	139.4
	30/07/2021 06:00	760.4	0.0	18.0	85.6	0.8	155.7
	30/07/2021 07:00	760.4	0.0	18.2	85.8	0.9	149.8
	30/07/2021 08:00	760.8	0.0	19.7	80.6	1.2	123.8
	30/07/2021 09:00	760.9	0.0	21.3	74.9	1.3	121.6
	30/07/2021 10:00	760.7	0.0	22.2	71.7	1.5	141.4
	30/07/2021 11:00	760.3	0.0	23.2	68.7	1.9	184.2
	30/07/2021 12:00	759.7	0.0	23.4	68.8	2.4	183.5
	30/07/2021 13:00	759.0	0.0	23.6	68.2	2.3	191.2
	30/07/2021 14:00	758.7	0.0	23.2	68.6	2.6	194.7
	30/07/2021 15:00	758.5	0.0	22.6	70.7	2.1	200.4
	30/07/2021 16:00	758.9	0.0	22.0	72.7	2.0	185.6
	30/07/2021 17:00	759.3	0.0	21.2	74.2	2.4	185.6
	30/07/2021 18:00	759.9	0.0	20.3	76.9	1.7	186.5
	30/07/2021 19:00	760.5	0.0	19.7	80.0	1.2	183.7
	30/07/2021 20:00	760.9	0.0	19.3	82.6	0.9	190.0
	30/07/2021 21:00	761.2	0.0	19.0	84.8	1.0	189.1
	30/07/2021 22:00	761.4	0.0	18.9	84.5	1.0	167.2
30/07/2021 23:00	761.3	0.0	18.8	85.5	1.1	182.9	
31	31/07/2021 00:00	761.1	0.0	18.6	86.4	1.0	191.0
	31/07/2021 01:00	760.8	0.0	18.5	84.4	0.8	158.9
	31/07/2021 02:00	760.6	0.0	18.6	82.0	1.3	141.5
	31/07/2021 03:00	760.4	0.0	18.6	82.1	1.1	146.3
	31/07/2021 04:00	760.5	0.0	18.6	82.7	1.5	139.3
	31/07/2021 05:00	760.8	0.0	18.5	83.5	1.6	126.2
	31/07/2021 06:00	760.7	0.0	18.4	84.0	1.6	132.2
	31/07/2021 07:00	761.1	0.0	18.8	82.9	1.7	132.8
	31/07/2021 08:00	761.3	0.0	20.1	77.6	1.4	142.6
	31/07/2021 09:00	761.3	0.0	21.5	72.7	1.5	139.7
	31/07/2021 10:00	761.0	0.0	23.1	67.2	1.6	148.2
	31/07/2021 11:00	760.6	0.0	24.0	64.5	2.0	177.2
	31/07/2021 12:00	760.0	0.0	23.7	65.2	2.7	183.6
	31/07/2021 13:00	759.5	0.0	23.8	64.3	2.3	183.8
	31/07/2021 14:00	759.1	0.0	23.1	66.2	2.9	185.7
	31/07/2021 15:00	759.0	0.0	22.5	68.2	3.0	182.5
	31/07/2021 16:00	759.1	0.0	21.9	70.6	2.6	186.4
	31/07/2021 17:00	759.6	0.0	21.0	73.3	2.5	186.2
	31/07/2021 18:00	760.2	0.0	20.1	77.2	1.9	187.7
	31/07/2021 19:00	760.8	0.0	19.4	81.6	1.4	174.6
	31/07/2021 20:00	761.4	0.0	18.9	84.8	1.5	181.5
	31/07/2021 21:00	761.9	0.0	18.7	86.2	1.6	183.9
	31/07/2021 22:00	762.2	0.0	18.7	85.9	1.3	181.8
31/07/2021 23:00	762.4	0.0	18.6	86.4	1.7	186.9	

MÍNIMO	756.6	0.0	17.8	59.7	0.2	-
MÁXIMO	764.0	0.0	26.1	89.7	3.8	-
PROMEDIO	760.7	0.0	20.8	78.5	1.5	-

















TÍTULO DEL ESTUDIO: Evaluación ambiental de seguimiento de la

ESTACIÓN DE MONITOREO: CA-TA-01

	1-Jul	2-Jul	3-Jul	4-Jul	5-Jul	6-Jul	7-Jul	8-Jul	9-Jul	10-Jul	11-Jul
00:00	0.2	1.3	0.4	0.9	0.5	1.4	1.4	0.7	0.7	1.2	0.5
01:00	0.8	0.7	0.7	0.6	0.5	1.7	0.7	0.7	0.6	1	0.5
02:00	0.7	0.9	0.7	0.7	0.7	1.9	0.8	0.7	1	0.9	0.7
03:00	0.5	1	0.9	0.9	1.1	1.9	0.8	0.7	0.8	1.4	0.8
04:00	0.9	1	1.4	0.8	0.9	1.6	0.7	1.2	1	1.3	0.9
05:00	1.5	1	1.7	0.9	1.5	1.2	0.7	1.9	0.9	1.1	0.9
06:00	1.8	1.2	1.7	1	1.3	1.2	0.9	1.6	1.1	1.1	0.4
07:00	1.6	1.3	1.6	1.3	1.2	1.1	0.9	1.4	1.8	1.2	0.8
08:00	1.9	1.5	1.8	1.6	1.4	1.7	0.9	1.2	1.9	1.4	0.8
09:00	1.8	1.4	1.6	1.3	1.5	1.7	1.2	1.2	1.4	1.3	1
10:00	1.6	1.6	1.3	1.6	1.4	1.2	1.5	1.3	1.3	1.3	1.3
11:00	1.3	1.6	1.7	1.6	1.3	1.2	3	2.8	1.8	1.4	2
12:00	1.2	1.8	2.1	1.9	1.8	1.9	3.7	2.6	2	1.8	3.8
13:00	1.9	2.5	2.4	2.1	2.2	2.7	3.3	3	2.5	3.5	3.3
14:00	2.4	2.4	2.6	2.4	2.7	2.6	3.5	2.9	2.7	2.8	3.2
15:00	2.3	3.1	2	S.D.	3	2.1	2.8	2.4	1.8	2.4	2
16:00	2	3.3	2.2	2.3	2.4	2.2	2.2	2.5	1.3	2.7	1.8
17:00	2	3	2.3	1.8	2.8	1.9	1.6	1.7	1.2	1.8	1.8
18:00	1.4	1.4	1.5	1.5	1.8	2.1	1	1.6	0.8	1.3	1.6
19:00	1.1	1.3	1.2	1.6	0.9	1.4	0.6	1.1	0.5	1.2	1
20:00	0.8	0.9	1.3	1.3	0.8	0.8	0.6	0.8	0.6	0.8	0.7
21:00	1.2	0.7	1	0.7	0.8	1.1	0.7	0.7	1.2	0.6	0.7
22:00	1.1	0.6	0.8	0.4	1	1.2	1	0.7	1	0.5	0.8
23:00	1	0.5	1	0.5	S.D.	1.3	0.9	0.6	0.9	0.6	0.8

	1-Jul	2-Jul	3-Jul	4-Jul	5-Jul	6-Jul	7-Jul	8-Jul	9-Jul	10-Jul	11-Jul
00:00	SE	S	SE	S	S	SE	S	SSE	SE	S	SSE
01:00	S	SSE	SE	SSE	SSE	SE	ESE	SSE	SSE	SSE	SSE
02:00	S	SSE	ESE	SSE	SSE	SE	SSE	S	SE	SSE	S
03:00	SE	SSE	SSE	SSE	ESE	SE	SSE	SSE	SSE	ESE	SSW
04:00	SE	SSE	ESE	SSE	SE	SE	S	SE	SSE	SE	SW
05:00	SE	ESE	SE	SE	SE	ESE	S	SE	SSE	SE	SSW
06:00	ESE	SE	SE	SE	SE	SE	SE	SE	SSE	SE	SSE
07:00	ESE	SE	ESE	SE	ESE	SE	ESE	ESE	ESE	SE	S
08:00	ESE	SE	SE	ESE	ESE	SE	SSE	SE	SE	SE	SSW
09:00	ESE	ESE	ESE	SE	SE	SE	SSE	S	SE	SE	S
10:00	SSE	SE	SE	SE	SSE	ESE	S	S	SSE	SSE	S
11:00	S	SSE	S	SSE	SSE	SSE	SW	SW	S	S	SSW
12:00	S	S	S	SSE	S	SSW	SW	SSW	S	SSW	SW
13:00	S	S	SW	S	S	SW	SW	SW	S	SW	SW
14:00	S	S	SW	S	S	SW	SW	SW	S	SW	SW
15:00	S	S	SSW		S	SSW	SW	SW	S	SSW	SSW
16:00	S	S	SSW	SSW	S	SSW	SSW	SW	S	SW	SW
17:00	S	S	S	SW	S	SSW	S	SSW	S	SW	SSW
18:00	S	S	S	SW	S	S	S	SSW	S	SSW	S
19:00	S	S	S	S	SSE	S	SSE	S	S	S	S
20:00	S	S	S	S	SSE	SSE	SSE	S	WNW	S	SE
21:00	S	S	S	SSE	SE	SSE	SSE	SSE	WSW	SSE	ESE
22:00	S	S	S	SSE	SE	S	SE	SE	SSW	SE	SE
23:00	S	SSE	S	S		S	ESE	SE	S	SSE	SE

Tabla 3.3. Velocidad y dirección del viento durante el mes

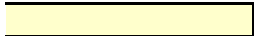
a calidad del aire en el área de influencia de la Refinería Talara, ubicada en el distrito de Pariñas, provincia de Tala Piura, en julio de 2021

CÓDIGO DE ACCIÓN 0001-7-2021-414

Velocidad del viento																			
12-Jul	13-Jul	14-Jul	15-Jul	16-Jul	17-Jul	18-Jul	19-Jul	20-Jul	21-Jul	22-Jul	23-Jul	24-Jul	25-Jul	26-Jul	27-Jul	28-Jul	29-Jul	30-Jul	31-Jul
0.7	1.7	1	0.8	1.1	0.7	1.1	0.4	0.9	1	1	0.7	1	1.1	1.1	1.1	1.1	1.3	1.4	
0.7	0.7	1	0.6	1.1	0.9	1.1	0.6	0.8	0.8	0.9	0.8	1	0.8	0.8	0.7	1.5	1.2	1.5	
0.8	0.6	0.8	0.7	0.9	1.2	1.2	0.8	0.5	0.7	0.8	0.8	1	1	1.2	1.1	1.2	0.8	1.1	
1	0.9	0.6	0.9	0.9	1.4	0.9	0.9	0.8	0.8	0.9	0.8	0.8	0.9	1.3	1.1	1.7	1.4	1	
1.1	1	0.8	0.8	1	1.6	1.1	0.8	0.7	1	1.2	0.5	0.6	1	1.1	1.6	1.3	0.8	0.8	
1.1	1.3	0.9	0.8	0.9	1.3	0.9	0.8	0.7	1.2	1.1	0.6	0.6	1	1.5	1.6	1.3	1.1	1	
1	1	1.6	0.8	1	0.9	0.9	0.8	0.9	1.3	0.8	0.8	0.6	0.7	1.1	1.4	1.2	0.9	0.8	
0.9	1.1	1.7	0.8	0.9	2	0.9	1.2	0.8	1.2	1	0.8	0.7	0.8	1	1	1.1	1	0.9	
1.1	0.8	1.1	1.2	1.2	1.5	1.1	0.9	0.9	1.2	1.2	1	1	0.9	1.3	1.1	1.3	0.8	1.2	
1.2	1	1	1.2	1.3	1.5	1.3	1.2	1.4	1.3	1.3	1.2	1.1	1	1.2	1	2.1	1	1.3	
1.3	2.8	1.5	1.6	1.2	1.4	1.2	1.2	2.1	1.4	1.4	1.4	1.9	1.2	1.4	1.5	1.6	0.9	1.5	
1.8	2.8	1.6	2.3	2.1	1.5	1.8	1.9	2.7	1.9	2.5	1.6	3	2	1.4	1.5	1.9	1.4	1.9	
2.9	2.3	2.2	2.6	2.5	1.8	2.3	2.8	3.1	2.2	2.8	1.5	3.1	2.1	1.6	2.3	2	1.5	2.4	
2.6	2.5	2.8	2.3	2.7	2.3	2.4	2.6	2.8	2.2	2.7	1.9	3.2	2.5	1.9	2.2	2.9	2.3	2.3	
2.5	2.8	2.6	2.8	2.3	2.5	2.1	2.6	2.9	2.4	2.6	2	2.9	2.4	1.8	2.3	3.4	2.3	2.6	
2.7	3	2.7	2.1	2.1	2.3	2.4	2.7	2.9	2.2	2.7	2.2	2.7	2.7	2.5	2.2	2.8	2.3	2.1	
2.2	2.7	2.8	2.7	1.6	2.2	2	2.3	2.4	2.1	3	2.6	2.6	2.4	2.1	2.5	2.8	2.1	2	
2.3	2.6	2.3	2.7	1.6	1.5	2.1	1.8	2.2	2	2.7	2.4	2	2	2.3	1.9	2.5	2.3	2.4	
1.9	2	1.9	2.6	1.6	1	0.9	1.2	1.6	1.9	2.2	1.8	1.5	1.9	1.7	1.6	1.5	1	1.7	
1.4	1.5	1.6	2.6	1.1	0.9	0.9	1.1	1.1	1.6	1.5	1.8	1.3	1.4	1.2	1.4	1.1	1.1	1.2	
1	1.4	1.7	2.1	0.9	1	0.8	0.9	1.8	1.5	1.2	0.9	1.3	1.1	1.1	1.3	1.2	1.4	0.9	
1.4	1.2	1.3	1.5	1	1.5	0.7	0.7	1	0.8	1.3	0.8	1.2	1.3	1.3	1	1.7	1.4	1	
1.6	0.8	1	1.5	0.8	1.4	0.4	0.5	1.2	0.8	1.1	0.9	0.9	1.3	0.9	1.2	1.3	1.2	1	
1.9	1.6	1.2	1.2	0.8	0.8	0.4	S.D.	0.8	1.2	0.9	0.8	0.8	2	S.D.	1.3	S.D.	1.3	1.1	
Dirección del viento																			
12-Jul	13-Jul	14-Jul	15-Jul	16-Jul	17-Jul	18-Jul	19-Jul	20-Jul	21-Jul	22-Jul	23-Jul	24-Jul	25-Jul	26-Jul	27-Jul	28-Jul	29-Jul	30-Jul	31-Jul
SSE	S	S	SSE	S	SSE	SSE	SSE	S	S	SSE	S	SSE	S	S	S	S	S	S	
SE	S	SSE	SSE	S	SSE	SSE	ESE	S	S	SSE	SSE	SSE	S	SSE	SSW	S	S	S	
SE	SSE	SSE	SSE	SE	SE	S	SE	S	S	SSE	SE	SSE	S	SE	ESE	SE	S	S	
SSW	SSE	SSE	SE	ESE	ESE	S	SE	S	SSE	SSE	SE	S	S	SE	SE	ESE	S	SSE	
S	SE	ESE	SSE	SE	SE	SSE	SSE	SSE	S	SSE	SSE	S	S	SE	ESE	SE	S	SE	
S	SE	S	SSE	SE	E	SSE	SE	SSE	SE	SE	SSE	SE	S	SE	ESE	SE	S	SE	
SSE	SE	S	S	SSE	SSW	SE	SE	SE	SE	SE	SE	SSE	S	ESE	SE	SE	S	SSE	
SSE	ESE	S	ESE	SSE	S	SSE	SE	SE	ESE	SSE	ESE	S	S	SSE	SSE	SE	S	SSE	
ESE	SE	SSW	ESE	SE	S	SSE	SE	SE	SSE	SSE	SSE	ESE	S	ESE	SE	SE	SSE	SE	
S	SW	SSE	SSE	SSE	S	SSE	S	S	SSE	SSW	ESE	S	SSE	SE	SSE	SE	S	ESE	
SSE	SW	S	S	SSE	S	SE	SSE	SW	S	SSE	SSE	SSW	S	SE	S	SSE	SSE	SE	
S	SW	S	SSW	S	SSE	S	SSW	SW	S	SSW	ESE	SW	S	SSE	S	SSW	S	S	
SW	SSW	S	S	S	S	SSW	SW	SW	S	SSW	SE	SW	SSW	SSE	SSW	S	S	S	
SW	S	S	S	S	S	SW	SW	SW	SSW	SSW	S	SW	SW	S	SSW	S	S	S	
SSW	S	S	S	SSW	S	SSW	SW	SW	S	S	SSW	SW	SSW	S	S	S	SSW	SSW	
SSW	SSW	S	SSW	S	SSW	SW	SW	SW	S	SSW	SSW	SW	SW	S	SW	S	SSW	S	
SW	S	S	S	S	S	SSW	SSW	SSW	S	S	SSW	SW	SW	S	SW	S	SSW	S	
S	S	S	S	S	S	S	SSW	SSW	S	S	S	SSW	SSW	S	SSW	S	S	S	
S	S	S	S	S	SSE	S	SSW	SSW	S	S	S	SSW	S	S	S	S	S	S	
S	S	S	S	S	S	S	S	S	S	S	S	SSW	S	S	S	SSW	S	S	
SSE	S	S	S	S	S	SSE	S	S	S	S	S	SW	S	S	S	S	S	S	
S	S	S	S	S	S	SSE	SSE	S	S	S	S	SSE	SSW	S	S	SSE	S	S	
S	S	SSE	S	S	S	SSE	SE	S	S	S	SE	S	S	S	S	S	S	SSE	
S	S	S	S	SSE	SSE	SE		SE	S	SSE	SSE	S	S		S		S	S	



ra, departamento de



8.6  
31.4

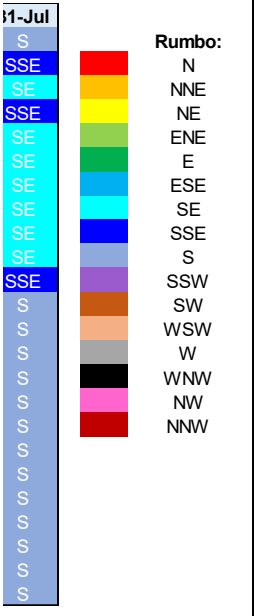
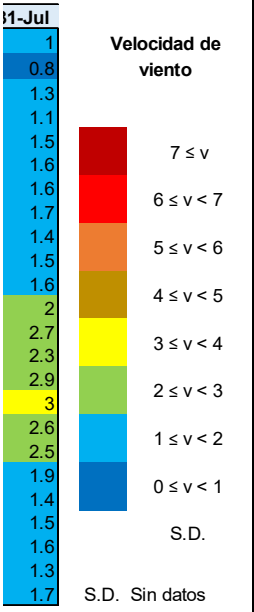




Tabla 3.1. Concentraciones horarias de SO<sub>2</sub>

TÍTULO DEL ESTUDIO: Evaluación ambiental de seguimiento de la calidad del aire en el área de influencia de la Refinería Talara, ubicada en el distrito de Paríñas, provincia de Talara, departamento de Piura, en agosto de 2021

ESTACIÓN DE MONITOREO: CA-TA-01

CÓDIGO DE ACCIÓN: 0002-8-2021-414

DATOS DEL EQUIPO

EQUIPO: Analizador automático de gases

MARCA: Thermo Scientific

MODELO: 450i

SERIE: 1009241444

Table with 32 columns (Hora/Día, 1-31) and 21 rows (00:00-23:00, Promedio de SO2 en 24 h, ECA aire de SO2). Values range from 8.1 to 10.5.

250 µg/m³ en periodo de 24 horas

Observación:

- ND: Data no disponible
VF: Verificación multipunto del equipo analizador de gases.
IE: Interrupción eléctrica.
ID: Insuficiencia de datos para calcular promedio (menor del 75%), dato no calculado por no cumplir con la mínima suficiencia de datos (45 minutos o 18 horas)

Nota: Se realizó el cambio y la verificación del equipo analizador Thermo Scientific 450i del 25 de febrero desde las 15:55 horas hasta el 26 hasta las 15:10 horas

9.1 9.0 10.3 8.4 8.7 8.8 8.7 8.4 9.1 10.0 9.3 9.5 9.8 13.8 9.0 10.1 10.5 9.1 9.4 9.9 9.8 10.4 10.0 10.1 10.0 10.5 10.0 10.5 10.0 11.4 10.7 9.8 14.1



**Tabla 3.2. Datos Meteorológicos**

**TÍTULO DEL ESTUDIO:** Evaluación ambiental de seguimiento de la calidad del aire en el área de influencia de la Refinería Talara, ubicada en el distrito de Paríñas, provincia de Talara, departamento de Piura, en agosto de 2021

**ESTACIÓN DE MONITOREO:** CA-TA-01      **CÓDIGO DE ACCIÓN:**      0002-8-2021-414

**DATOS DEL EQUIPO**

**EQUIPO:** Estación meteorológica      **MARCA:** Campbell Scientific  
**MODELO:** CR1000      **SERIE:** 30824

FECHA Y HORA	Presión atmosférica (mmHg)	Precipitación (mm)	Temperatura ambiental (°C)	Humedad relativa (%)	Velocidad de Viento (m/s)	Dirección de Viento (°)
1/08/2021 00:00	762.3	0.0	18.8	85.1	1.1	186.8
1/08/2021 01:00	761.9	0.0	18.9	83.7	1.1	157.0
1/08/2021 02:00	761.4	0.0	18.8	82.8	1.3	122.9
1/08/2021 03:00	761.2	0.0	18.7	82.7	1.2	134.5
1/08/2021 04:00	761.1	0.0	18.6	83.5	1.2	137.1
1/08/2021 05:00	761.2	0.0	18.6	84.1	1.2	133.3
1/08/2021 06:00	761.5	0.0	18.7	83.6	1.1	146.8
1/08/2021 07:00	761.9	0.0	18.9	82.3	1.1	156.9
1/08/2021 08:00	762.2	0.0	19.9	79.1	1.0	164.3
1/08/2021 09:00	762.2	0.0	21.0	74.6	1.3	158.3
1/08/2021 10:00	761.8	0.0	21.7	72.0	1.5	179.8
1/08/2021 11:00	761.3	0.0	23.1	67.2	1.8	177.9
1/08/2021 12:00	760.9	0.0	23.2	67.1	2.7	186.6
1/08/2021 13:00	760.5	0.0	22.9	67.8	2.8	190.9
1/08/2021 14:00	760.0	0.0	22.1	69.9	3.3	184.3
1/08/2021 15:00	759.6	0.0	21.9	71.3	3.2	183.4
1/08/2021 16:00	759.9	0.0	21.3	73.4	2.9	183.5
1/08/2021 17:00	760.3	0.0	20.9	74.1	2.0	192.1
1/08/2021 18:00	760.7	0.0	19.8	77.6	1.9	180.4
1/08/2021 19:00	761.1	0.0	19.1	81.1	2.2	180.0
1/08/2021 20:00	761.6	0.0	19.0	82.6	1.7	189.7
1/08/2021 21:00	762.0	0.0	19.0	83.2	1.6	183.1
1/08/2021 22:00	762.4	0.0	18.7	84.1	1.3	179.3
1/08/2021 23:00	762.2	0.0	18.6	83.8	1.5	182.5
2/08/2021 00:00	762.2	0.0	18.6	83.4	1.4	165.6
2/08/2021 01:00	761.9	0.0	18.4	82.7	0.9	157.0
2/08/2021 02:00	761.4	0.0	18.4	82.2	0.9	125.0
2/08/2021 03:00	761.2	0.0	18.3	81.6	1.1	142.1
2/08/2021 04:00	761.1	0.0	18.2	81.7	1.3	142.8
2/08/2021 05:00	761.2	0.0	18.1	82.1	1.2	120.8
2/08/2021 06:00	761.7	0.0	18.1	82.0	1.2	157.6
2/08/2021 07:00	762.3	0.0	18.5	81.9	1.0	129.7
2/08/2021 08:00	762.9	0.0	19.6	78.0	1.5	146.9
2/08/2021 09:00	762.8	0.0	20.8	74.5	1.4	129.1
2/08/2021 10:00	762.5	0.0	22.1	70.3	1.6	154.8
2/08/2021 11:00	762.2	0.0	23.4	66.1	1.7	163.1
2/08/2021 12:00	761.7	0.0	22.7	68.2	2.7	189.1
2/08/2021 13:00	761.2	0.0	22.5	70.0	2.3	202.3
2/08/2021 14:00	760.8	0.0	21.7	73.3	2.6	201.1
2/08/2021 15:00	760.6	0.0	21.5	73.8	3.0	185.3
2/08/2021 16:00	760.3	0.0	21.3	74.0	2.6	191.9
2/08/2021 17:00	760.5	0.0	20.4	76.4	3.1	183.1
2/08/2021 18:00	760.9	0.0	19.6	79.0	2.1	184.8
2/08/2021 19:00	761.2	0.0	19.0	82.0	1.4	185.4
2/08/2021 20:00	761.3	0.0	18.7	82.9	0.8	166.5
2/08/2021 21:00	762.0	0.0	18.4	83.9	0.6	139.5
2/08/2021 22:00	762.3	0.0	18.2	85.4	0.6	168.6
2/08/2021 23:00						
3/08/2021 00:00	762.5	0.0	17.8	88.3	0.8	170.7
3/08/2021 01:00	762.2	0.0	17.9	87.6	0.6	181.3
3/08/2021 02:00	761.8	0.0	18.2	84.2	0.9	155.6
3/08/2021 03:00	761.4	0.0	18.3	82.9	1.4	142.3
3/08/2021 04:00	761.3	0.0	18.1	82.9	1.5	120.6
3/08/2021 05:00	761.6	0.0	18.2	83.0	1.6	127.6
3/08/2021 06:00	761.8	0.0	18.1	84.0	1.0	129.2
3/08/2021 07:00	762.0	0.0	18.4	83.9	1.3	121.9
3/08/2021 08:00	762.3	0.0	19.5	80.3	1.4	119.4
3/08/2021 09:00	762.5	0.0	20.8	75.5	1.1	133.3
3/08/2021 10:00	762.2	0.0	21.8	71.9	1.4	172.6
3/08/2021 11:00	761.7	0.0	23.3	66.8	1.4	183.7
3/08/2021 12:00	761.2	0.0	21.3	76.4	3.3	222.5
3/08/2021 13:00	760.6	0.0	20.8	78.6	3.4	229.9
3/08/2021 14:00	760.0	0.0	21.0	76.8	3.0	222.7
3/08/2021 15:00	759.6	0.0	21.3	75.4	2.7	224.1
3/08/2021 16:00	759.4	0.0	21.2	75.1	2.0	213.4
3/08/2021 17:00	759.5	0.0	20.4	76.4	2.1	225.4
3/08/2021 18:00	760.0	0.0	19.6	81.8	1.4	217.2
3/08/2021 19:00	760.5	0.0	19.5	82.9	1.1	210.2
3/08/2021 20:00	761.2	0.0	19.1	83.0	1.3	186.8
3/08/2021 21:00	761.9	0.0	18.9	83.2	0.6	177.0
3/08/2021 22:00	762.1	0.0	18.7	84.3	0.5	171.3
3/08/2021 23:00						
4/08/2021 00:00	762.2	0.0	18.4	84.7	0.6	150.6
4/08/2021 01:00	762.2	0.0	18.1	85.1	0.7	139.2
4/08/2021 02:00	761.8	0.0	17.6	86.3	0.6	164.4
4/08/2021 03:00	761.6	0.0	17.4	86.7	0.5	169.7
4/08/2021 04:00	761.7	0.0	17.6	84.9	0.7	181.4
4/08/2021 05:00	761.9	0.0	17.5	84.0	0.6	138.8
4/08/2021 06:00	762.4	0.0	17.5	84.0	0.9	139.0
4/08/2021 07:00	762.8	0.0	18.1	81.6	1.0	127.2
4/08/2021 08:00	763.3	0.0	19.5	76.2	0.9	157.0
4/08/2021 09:00	763.4	0.0	20.7	72.2	1.4	186.1
4/08/2021 10:00	763.1	0.0	22.3	67.2	1.4	166.9
4/08/2021 11:00	762.7	0.0	23.2	64.6	1.9	183.9
4/08/2021 12:00	762.0	0.0	22.9	66.1	2.4	189.1
4/08/2021 13:00	761.2	0.0	23.2	66.0	2.3	193.1
4/08/2021 14:00	760.6	0.0	23.0	66.8	2.5	196.6
4/08/2021 15:00	760.0	0.0	22.6	68.0	2.7	191.8
4/08/2021 16:00	759.6	0.0	22.6	69.2	2.5	188.3
4/08/2021 17:00	759.8	0.0	22.0	72.9	2.0	188.2
4/08/2021 18:00	760.3	0.0	20.9	76.5	1.9	189.8
4/08/2021 19:00	760.8	0.0	20.2	75.7	1.4	186.1
4/08/2021 20:00	761.4	0.0	20.0	80.7	0.8	177.9
4/08/2021 21:00	762.0	0.0	19.8	81.7	0.5	170.2
4/08/2021 22:00	762.2	0.0	19.7	82.6	0.7	175.5
4/08/2021 23:00						
5/08/2021 00:00	762.3	0.0	19.3	84.7	0.9	171.1
5/08/2021 01:00	762.4	0.0	19.0	85.9	1.0	182.7
5/08/2021 02:00	762.2	0.0	18.7	86.7	1.0	181.2
5/08/2021 03:00	762.4	0.0	18.3	85.5	0.9	136.0
5/08/2021 04:00	762.5	0.0	18.1	82.3	1.4	123.2
5/08/2021 05:00	762.5	0.0	18.0	83.0	1.3	135.3
5/08/2021 06:00	762.6	0.0	18.0	82.5	1.5	127.2
5/08/2021 07:00	763.1	0.0	18.4	81.6	1.5	128.6
5/08/2021 08:00	763.7	0.0	19.4	78.0	1.5	131.7

5	5/08/2021 09:00	763.9	0.0	20.7	73.5	1.5	128.9
	5/08/2021 10:00	763.6	0.0	22.2	68.4	1.4	165.0
	5/08/2021 11:00	763.1	0.0	23.4	64.5	1.5	152.6
	5/08/2021 12:00	762.4	0.0	23.8	64.4	2.2	192.6
	5/08/2021 13:00	761.7	0.0	23.7	65.3	2.6	190.0
	5/08/2021 14:00	761.3	0.0	22.9	69.4	2.7	210.6
	5/08/2021 15:00	761.2	0.0	21.8	73.0	3.1	217.8
	5/08/2021 16:00	761.3	0.0	21.6	72.7	2.4	197.8
	5/08/2021 17:00	761.5	0.0	21.1	74.2	2.7	187.2
	5/08/2021 18:00	762.1	0.0	20.4	79.3	2.0	184.9
	5/08/2021 19:00	762.6	0.0	19.9	82.1	1.7	184.6
	5/08/2021 20:00	763.2	0.0	19.9	83.2	1.5	179.1
	5/08/2021 21:00	763.6	0.0	19.8	84.1	1.4	181.1
	5/08/2021 22:00	763.6	0.0	19.7	84.7	1.2	184.1
	5/08/2021 23:00	763.6	0.0	19.5	85.1	0.9	165.2
	6/08/2021 00:00	763.5	0.0	19.2	84.7	0.6	174.8
	6/08/2021 01:00	762.9	0.0	18.7	82.8	0.9	149.7
	6/08/2021 02:00	762.5	0.0	18.4	82.3	0.9	139.5
	6/08/2021 03:00	762.1	0.0	18.3	82.8	1.0	181.3
	6/08/2021 04:00	762.0	0.0	18.5	82.0	0.9	127.2
	6/08/2021 05:00	762.0	0.0	18.4	81.8	1.2	137.6
	6/08/2021 06:00	762.1	0.0	18.3	82.0	1.3	125.8
	6/08/2021 07:00	762.5	0.0	18.8	80.1	1.6	113.0
	6/08/2021 08:00	763.0	0.0	20.1	75.3	1.7	125.9
6/08/2021 09:00	763.2	0.0	21.6	70.1	1.4	130.1	
6/08/2021 10:00	763.0	0.0	23.5	64.0	1.3	146.5	
6/08/2021 11:00	762.6	0.0	24.6	60.5	1.5	171.1	
6/08/2021 12:00	762.0	0.0	24.7	60.3	2.2	195.0	
6/08/2021 13:00	761.2	0.0	24.0	64.0	2.8	197.4	
6/08/2021 14:00	760.5	0.0	23.5	68.5	3.2	187.2	
6/08/2021 15:00	760.3	0.0	23.0	68.7	2.8	190.5	
6/08/2021 16:00	760.4	0.0	22.3	72.1	2.5	183.5	
6/08/2021 17:00	760.6	0.0	21.4	75.5	2.8	185.2	
6/08/2021 18:00	761.3	0.0	20.3	79.4	2.4	178.8	
6/08/2021 19:00	762.1	0.0	19.7	81.7	1.8	187.7	
6/08/2021 20:00	762.9	0.0	19.5	82.4	1.7	181.8	
6/08/2021 21:00	763.5	0.0	19.3	82.3	1.1	177.4	
6/08/2021 22:00	763.7	0.0	19.1	82.6	0.8	177.1	
6/08/2021 23:00	763.7	0.0	18.8	79.8	0.9	163.7	
7/08/2021 00:00	763.2	0.0	18.4	77.4	1.4	131.6	
7/08/2021 01:00	762.9	0.0	18.1	77.8	1.2	127.2	
7/08/2021 02:00	762.5	0.0	17.8	78.7	1.2	124.8	
7/08/2021 03:00	762.1	0.0	17.6	80.0	1.2	135.2	
7/08/2021 04:00	762.0	0.0	17.4	81.1	1.3	151.5	
7/08/2021 05:00	762.2	0.0	17.5	80.6	1.4	159.0	
7/08/2021 06:00	762.5	0.0	17.4	81.7	1.3	125.1	
7/08/2021 07:00	762.7	0.0	17.6	81.0	1.4	127.3	
7/08/2021 08:00	763.2	0.0	18.2	78.8	1.5	123.2	
7/08/2021 09:00	763.5	0.0	19.1	75.7	1.4	139.3	
7/08/2021 10:00	763.4	0.0	20.1	73.0	1.2	143.7	
7/08/2021 11:00	763.1	0.0	21.3	69.2	1.4	165.6	
7/08/2021 12:00	762.6	0.0	22.3	66.9	2.0	176.7	
7/08/2021 13:00	762.0	0.0	23.0	66.5	1.7	170.3	
7/08/2021 14:00	761.4	0.0	22.8	66.6	2.6	192.3	
7/08/2021 15:00	760.9	0.0	22.1	69.2	2.7	192.9	
7/08/2021 16:00	760.9	0.0	21.2	69.9	3.4	187.3	
7/08/2021 17:00	761.2	0.0	20.4	71.3	3.2	181.8	
7/08/2021 18:00	761.7	0.0	19.8	73.9	2.2	184.6	
7/08/2021 19:00	762.2	0.0	19.5	76.2	1.9	185.2	
7/08/2021 20:00	762.8	0.0	19.4	78.2	1.7	176.6	
7/08/2021 21:00	763.2	0.0	19.1	80.3	1.3	184.2	
7/08/2021 22:00	763.6	0.0	18.9	81.2	1.1	182.0	
7/08/2021 23:00	763.8	0.0	18.7	75.9	1.2	133.5	
8/08/2021 00:00	763.9	0.0	18.4	74.2	1.5	127.6	
8/08/2021 01:00	763.4	0.0	18.1	75.1	1.4	128.2	
8/08/2021 02:00	763.0	0.0	17.8	76.6	1.2	131.5	
8/08/2021 03:00	762.7	0.0	17.7	77.3	1.6	127.4	
8/08/2021 04:00	762.5	0.0	17.6	78.9	1.9	135.5	
8/08/2021 05:00	762.3	0.0	17.6	78.7	1.9	124.1	
8/08/2021 06:00	762.4	0.0	17.5	77.8	2.1	126.2	
8/08/2021 07:00	762.6	0.0	18.0	76.0	2.1	119.3	
8/08/2021 08:00	763.1	0.0	19.3	71.7	2.3	118.8	
8/08/2021 09:00	763.2	0.0	20.8	66.8	1.9	130.2	
8/08/2021 10:00	763.0	0.0	22.6	62.0	1.4	137.6	
8/08/2021 11:00	762.5	0.0	24.1	57.4	1.7	165.2	
8/08/2021 12:00	761.9	0.0	23.6	60.0	2.5	183.6	
8/08/2021 13:00	761.2	0.0	23.3	61.5	2.9	190.1	
8/08/2021 14:00	760.3	0.0	23.3	62.1	2.7	188.3	
8/08/2021 15:00	759.9	0.0	22.7	65.8	2.8	183.8	
8/08/2021 16:00	760.0	0.0	21.8	69.4	2.4	183.1	
8/08/2021 17:00	760.2	0.0	20.8	73.0	2.2	178.7	
8/08/2021 18:00	760.7	0.0	19.6	78.3	1.8	177.0	
8/08/2021 19:00	761.2	0.0	19.0	80.3	1.8	175.1	
8/08/2021 20:00	761.6	0.0	18.9	80.6	1.3	184.3	
8/08/2021 21:00	761.9	0.0	18.9	82.8	1.0	183.5	
8/08/2021 22:00	762.3	0.0	18.9	80.8	0.9	141.0	
8/08/2021 23:00	762.8	0.0	18.7	76.0	1.1	136.8	
9/08/2021 00:00	762.9	0.0	18.3	77.0	1.1	145.1	
9/08/2021 01:00	762.4	0.0	17.9	78.5	1.6	132.8	
9/08/2021 02:00	761.9	0.0	17.8	79.3	1.7	131.7	
9/08/2021 03:00	761.7	0.0	17.7	79.6	1.7	116.7	
9/08/2021 04:00	761.6	0.0	17.7	80.0	2.1	134.7	
9/08/2021 05:00	761.8	0.0	17.8	79.8	2.2	125.0	
9/08/2021 06:00	761.9	0.0	17.9	79.4	2.2	118.1	
9/08/2021 07:00	762.2	0.0	18.0	79.4	2.2	118.2	
9/08/2021 08:00	762.6	0.0	18.8	76.5	2.2	125.1	
9/08/2021 09:00	762.5	0.0	20.5	70.8	1.9	124.2	
9/08/2021 10:00	762.5	0.0	22.0	65.6	1.9	122.8	
9/08/2021 11:00	762.1	0.0	23.5	61.4	1.5	146.1	
9/08/2021 12:00	761.7	0.0	23.0	63.1	2.7	183.2	
9/08/2021 13:00	761.2	0.0	22.3	65.6	2.9	188.6	
9/08/2021 14:00	760.5	0.0	22.2	67.0	2.8	184.6	
9/08/2021 15:00	760.0	0.0	21.4	70.4	3.1	182.0	
9/08/2021 16:00	760.0	0.0	20.6	74.2	3.3	180.3	
9/08/2021 17:00	760.1	0.0	20.1	76.2	2.7	183.7	
9/08/2021 18:00	760.6	0.0	19.4	80.4	2.4	188.8	
9/08/2021 19:00	760.9	0.0	18.9	82.9	1.6	187.0	
9/08/2021 20:00	761.2	0.0	18.9	84.0	1.7	178.9	
9/08/2021 21:00	761.7	0.0	19.2	82.0	1.1	185.6	
9/08/2021 22:00	762.1	0.0	19.8	76.7	1.0	196.1	
9/08/2021 23:00	762.2	0.0	20.1	74.3	1.1	145.0	
10/08/2021 00:00	762.0	0.0	19.9	74.0	1.2	109.3	
10/08/2021 01:00	761.8	0.0	19.6	74.7	1.3	127.9	
10/08/2021 02:00	761.2	0.0	19.4	76.8	1.0	121.8	
10/08/2021 03:00	761.1	0.0	19.2	77.5	1.5	129.5	
10/08/2021 04:00	761.0	0.0	19.1	77.4	1.3	130.4	
10/08/2021 05:00	761.0	0.0	19.1	77.3	1.0	141.7	
10/08/2021 06:00	761.2	0.0	18.9	77.1	1.4	117.5	
10/08/2021 07:00	761.6	0.0	19.1	76.1	1.6	122.5	
10/08/2021 08:00	762.2	0.0	19.7	73.0	1.4	111.4	
10/08/2021 09:00	762.5	0.0	20.9	69.2	1.3	167.2	
10/08/2021 10:00	762.4	0.0	22.1	65.3	1.5	188.3	
10/08/2021 11:00	762.2	0.0	23.0	63.9	1.8	189.9	
10/08/2021 12:00	761.7	0.0	22.6	67.4	2.2	208.8	
10/08/2021 13:00	761.3	0.0	21.7	72.5	2.3	214.4	
10/08/2021 14:00	760.8	0.0	20.9	75.7	2.6	220.2	
10/08/2021 15:00	760.4	0.0	20.1	79.6	2.9	204.6	
10/08/2021 16:00	760.5	0.0	20.3	80.3	2.9	228.2	
10/08/2021 17:00	760.8	0.0	19.9	81.8	2.1	212.6	
10/08/2021 18:00	761.3	0.0	19.3	83.9	2.2	182.6	
10/08/2021 19:00	761.8	0.0	18.9	86.1	1.6	177.9	
10/08/2021 20:00	762.5	0.0	18.7	86.9	1.4	179.0	

11	10/08/2021 21:00	763.0	0.0	18.6	87.1	1.2	180.5
	10/08/2021 22:00	763.2	0.0	18.4	87.2	0.9	178.2
	10/08/2021 23:00	762.9	0.0	18.7	86.5	0.8	175.8
	11/08/2021 00:00	762.3	0.0	18.8	85.7	1.2	185.9
	11/08/2021 01:00	761.6	0.0	18.7	86.3	1.2	190.1
	11/08/2021 02:00	761.0	0.0	18.8	85.8	1.2	172.6
	11/08/2021 03:00	760.6	0.0	19.0	82.4	1.0	141.4
	11/08/2021 04:00	760.7	0.0	19.1	81.2	1.1	168.0
	11/08/2021 05:00	761.2	0.0	19.2	80.2	0.9	155.7
	11/08/2021 06:00	761.4	0.0	19.1	79.7	1.0	180.5
	11/08/2021 07:00	762.0	0.0	19.1	78.6	1.0	133.7
	11/08/2021 08:00	762.6	0.0	19.7	75.8	1.3	118.0
	11/08/2021 09:00	762.8	0.0	21.4	70.1	1.1	149.4
	11/08/2021 10:00	762.8	0.0	22.3	67.0	1.2	149.0
	11/08/2021 11:00	762.3	0.0	22.7	66.1	1.2	169.1
	11/08/2021 12:00	761.9	0.0	23.2	65.2	2.1	196.2
	11/08/2021 13:00	761.4	0.0	23.4	64.8	2.3	188.5
	11/08/2021 14:00	761.1	0.0	22.8	67.5	2.4	193.9
	11/08/2021 15:00	760.6	0.0	21.7	72.4	2.2	215.5
	11/08/2021 16:00	760.6	0.0	21.1	74.2	2.2	205.4
	11/08/2021 17:00	760.7	0.0	20.3	76.8	2.0	200.9
	11/08/2021 18:00	761.2	0.0	19.6	79.4	1.7	189.4
	11/08/2021 19:00	761.7	0.0	19.1	82.5	1.4	175.4
11/08/2021 20:00	762.3	0.0	18.9	83.1	1.0	175.7	
11/08/2021 21:00	762.7	0.0	18.9	83.6	1.3	195.3	
11/08/2021 22:00	763.1	0.0	18.7	85.6	1.6	179.4	
11/08/2021 23:00	763.0	0.0	18.7	85.6	1.4	178.7	
12	12/08/2021 00:00	762.8	0.0	18.9	84.5	1.2	189.6
	12/08/2021 01:00	762.7	0.0	19.1	83.2	1.0	185.4
	12/08/2021 02:00	762.4	0.0	19.1	82.5	1.2	182.4
	12/08/2021 03:00	762.0	0.0	19.0	81.8	0.8	167.6
	12/08/2021 04:00	761.8	0.0	18.7	83.3	0.6	142.7
	12/08/2021 05:00	761.9	0.0	18.6	83.4	0.8	195.9
	12/08/2021 06:00	762.0	0.0	18.6	83.0	0.8	165.3
	12/08/2021 07:00	762.1	0.0	18.8	82.5	1.0	159.6
	12/08/2021 08:00	762.6	0.0	19.2	81.2	1.1	154.7
	12/08/2021 09:00	762.8	0.0	20.0	78.6	1.3	146.3
	12/08/2021 10:00	762.7	0.0	21.2	74.0	1.3	141.0
	12/08/2021 11:00	762.2	0.0	23.0	68.0	1.3	131.6
	12/08/2021 12:00	761.9	0.0	22.4	70.4	2.5	213.5
	12/08/2021 13:00	761.5	0.0	21.8	72.2	2.3	205.0
	12/08/2021 14:00	761.0	0.0	21.8	72.6	2.6	209.6
	12/08/2021 15:00	760.6	0.0	20.9	76.4	2.3	213.2
	12/08/2021 16:00	760.6	0.0	20.6	77.0	1.8	201.0
	12/08/2021 17:00	760.9	0.0	20.3	77.8	1.8	189.0
	12/08/2021 18:00	761.5	0.0	19.9	79.0	1.0	177.8
	12/08/2021 19:00	762.3	0.0	19.3	82.1	0.9	175.7
	12/08/2021 20:00	763.0	0.0	19.0	83.7	0.8	145.3
	12/08/2021 21:00	763.3	0.0	18.7	85.4	0.6	136.3
	12/08/2021 22:00	763.4	0.0	18.5	86.4	0.6	131.8
12/08/2021 23:00							
13	13/08/2021 00:00	762.9	0.0	18.0	89.1	0.6	141.8
	13/08/2021 01:00	762.3	0.0	17.9	89.8	0.6	140.7
	13/08/2021 02:00	762.0	0.0	17.9	89.9	0.8	182.3
	13/08/2021 03:00	761.8	0.0	17.9	90.0	0.8	164.4
	13/08/2021 04:00	761.7	0.0	18.3	87.9	1.0	174.3
	13/08/2021 05:00	761.7	0.0	18.6	85.7	1.0	143.6
	13/08/2021 06:00	762.1	0.0	18.6	85.6	1.2	118.7
	13/08/2021 07:00	762.6	0.0	18.9	84.4	1.0	129.7
	13/08/2021 08:00	762.8	0.0	19.9	80.8	1.3	127.5
	13/08/2021 09:00	763.0	0.0	21.3	75.2	1.3	164.4
	13/08/2021 10:00	762.6	0.0	22.9	69.7	1.5	162.1
	13/08/2021 11:00	762.0	0.0	23.7	66.1	2.1	177.0
	13/08/2021 12:00	761.4	0.0	23.2	67.5	2.3	191.3
	13/08/2021 13:00	761.1	0.0	22.4	71.5	2.6	215.5
	13/08/2021 14:00	760.9	0.0	21.6	73.6	2.5	216.1
	13/08/2021 15:00	761.0	0.0	21.0	74.6	2.3	181.0
	13/08/2021 16:00	761.1	0.0	20.7	76.2	2.5	189.1
	13/08/2021 17:00	761.4	0.0	20.3	76.9	2.3	180.7
	13/08/2021 18:00	762.0	0.0	19.5	80.2	1.8	176.9
	13/08/2021 19:00	762.7	0.0	18.8	84.3	2.1	178.8
	13/08/2021 20:00	763.5	0.0	18.7	85.4	1.3	176.4
	13/08/2021 21:00	764.0	0.0	18.4	87.4	1.1	181.0
	13/08/2021 22:00	764.3	0.0	18.6	87.2	1.1	180.2
13/08/2021 23:00							
14	14/08/2021 00:00	763.8	0.0	18.6	87.6	0.7	164.0
	14/08/2021 01:00	763.6	0.0	18.7	87.2	0.8	163.9
	14/08/2021 02:00	763.3	0.0	19.0	85.4	1.1	172.5
	14/08/2021 03:00	762.9	0.0	19.0	84.1	1.7	129.3
	14/08/2021 04:00	762.7	0.0	19.1	83.0	1.4	126.7
	14/08/2021 05:00	762.5	0.0	19.1	83.0	1.9	129.8
	14/08/2021 06:00	762.5	0.0	19.1	82.7	1.6	127.8
	14/08/2021 07:00	762.9	0.0	19.5	81.8	1.2	132.1
	14/08/2021 08:00	763.3	0.0	20.8	78.0	1.0	140.6
	14/08/2021 09:00	763.5	0.0	23.0	70.3	1.0	110.3
	14/08/2021 10:00	763.1	0.0	25.3	62.4	1.1	155.9
	14/08/2021 11:00	762.7	0.0	25.7	61.4	2.2	212.8
	14/08/2021 12:00	762.2	0.0	22.5	71.8	2.7	220.9
	14/08/2021 13:00	761.8	0.0	21.8	73.8	3.2	233.7
	14/08/2021 14:00	761.6	0.0	20.7	77.7	2.9	230.1
	14/08/2021 15:00	761.2	0.0	20.6	78.9	2.7	227.0
	14/08/2021 16:00	761.0	0.0	20.7	79.6	1.9	218.5
	14/08/2021 17:00	761.3	0.0	20.0	81.8	1.8	214.8
	14/08/2021 18:00	762.0	0.0	18.6	87.4	1.7	184.9
	14/08/2021 19:00	762.5	0.0	18.4	88.6	1.2	168.8
	14/08/2021 20:00	763.1	0.0	18.4	88.0	1.4	184.6
	14/08/2021 21:00	763.4	0.0	18.4	87.9	1.4	183.6
	14/08/2021 22:00	763.3	0.0	18.5	88.0	1.5	182.5
14/08/2021 23:00	763.0	0.0	18.6	87.5	1.3	171.8	
15	15/08/2021 00:00	762.8	0.0	18.6	87.8	1.6	183.7
	15/08/2021 01:00	762.2	0.0	18.5	87.5	2.1	179.3
	15/08/2021 02:00	762.0	0.0	18.6	87.2	1.4	180.5
	15/08/2021 03:00	761.6	0.0	18.4	88.2	1.3	160.3
	15/08/2021 04:00	761.6	0.0	18.5	88.3	1.1	172.9
	15/08/2021 05:00	761.9	0.0	18.5	88.6	1.1	179.1
	15/08/2021 06:00	762.3	0.0	18.6	88.1	0.8	176.1
	15/08/2021 07:00	762.7	0.0	18.9	87.7	1.2	184.1
	15/08/2021 08:00	763.4	0.0	19.8	83.5	1.2	146.3
	15/08/2021 09:00	763.5	0.0	21.1	76.5	1.4	160.3
	15/08/2021 10:00	763.1	0.0	23.0	68.6	1.4	167.8
	15/08/2021 11:00	762.3	0.0	23.5	66.4	1.7	178.0
	15/08/2021 12:00	761.5	0.0	24.6	63.2	2.0	170.4
	15/08/2021 13:00	760.5	0.0	25.6	60.3	2.3	184.0
	15/08/2021 14:00	759.7	0.0	25.3	61.3	2.5	182.6
	15/08/2021 15:00	759.2	0.0	24.1	64.9	2.4	186.3
	15/08/2021 16:00	759.2	0.0	22.2	71.9	2.3	196.1
	15/08/2021 17:00	760.9	0.0	21.0	76.3	2.3	187.2
	15/08/2021 18:00	760.6	0.0	19.7	80.3	1.3	167.4
	15/08/2021 19:00	761.1	0.0	19.0	83.8	1.2	165.0
	15/08/2021 20:00	761.6	0.0	18.7	85.1	1.1	183.0
	15/08/2021 21:00	761.9	0.0	18.4	86.5	1.0	175.8
	15/08/2021 22:00	761.7	0.0	18.3	86.6	1.5	177.7
15/08/2021 23:00	761.5	0.0	18.4	86.5	1.3	174.8	
16/08/2021 00:00	761.2	0.0	18.1	87.5	1.1	172.1	
16/08/2021 01:00	761.0	0.0	18.3	86.6	1.2	159.8	
16/08/2021 02:00	760.5	0.0	18.8	84.5	1.1	125.1	
16/08/2021 03:00	760.2	0.0	18.8	84.5	1.0	145.6	
16/08/2021 04:00	760.1	0.0	18.6	85.0	1.2	136.6	
16/08/2021 05:00	760.5	0.0	18.6	85.2	0.8	170.7	
16/08/2021 06:00	760.8	0.0	18.5	85.0	0.8	161.0	
16/08/2021 07:00	761.5	0.0	18.7	84.5	0.8	163.3	
16/08/2021 08:00	762.0	0.0	19.3	82.4	1.0	158.7	

16	16/08/2021 09:00	762.2	0.0	20.0	79.7	1.4	180.8
	16/08/2021 10:00	762.0	0.0	21.0	76.4	1.2	174.5
	16/08/2021 11:00	761.4	0.0	21.9	73.1	1.6	182.9
	16/08/2021 12:00	760.9	0.0	21.8	73.3	2.4	190.2
	16/08/2021 13:00	760.3	0.0	21.6	74.2	2.5	201.6
	16/08/2021 14:00	759.8	0.0	20.5	79.8	3.2	227.9
	16/08/2021 15:00	759.4	0.0	20.4	80.9	2.5	225.2
	16/08/2021 16:00	759.4	0.0	20.3	81.2	2.6	230.3
	16/08/2021 17:00	759.9	0.0	20.2	80.2	2.0	202.3
	16/08/2021 18:00	760.5	0.0	19.5	81.3	2.0	186.1
	16/08/2021 19:00	761.2	0.0	18.9	84.2	1.4	183.3
	16/08/2021 20:00	761.7	0.0	18.8	85.5	0.9	188.3
	16/08/2021 21:00	762.1	0.0	18.8	86.2	1.1	187.1
	16/08/2021 22:00	762.5	0.0	18.8	86.7	1.0	176.9
	16/08/2021 23:00	762.6	0.0	18.6	87.5	0.8	169.0
	17/08/2021 00:00	761.9	0.0	18.3	88.6	1.1	173.6
	17/08/2021 01:00	761.3	0.0	18.1	89.7	1.0	187.8
	17/08/2021 02:00	760.7	0.0	17.9	90.5	0.8	174.6
	17/08/2021 03:00	760.5	0.0	17.9	90.7	0.8	189.9
	17/08/2021 04:00	760.5	0.0	18.1	88.8	0.9	176.3
	17/08/2021 05:00	760.8	0.0	18.3	86.7	0.7	167.1
	17/08/2021 06:00	761.2	0.0	18.3	86.2	0.7	162.9
	17/08/2021 07:00	761.6	0.0	18.8	85.2	0.6	150.7
	17/08/2021 08:00	762.3	0.0	20.2	80.7	0.9	179.7
17/08/2021 09:00	762.6	0.0	21.6	74.8	1.4	188.7	
17/08/2021 10:00	762.6	0.0	21.9	73.3	1.2	170.1	
17/08/2021 11:00	762.1	0.0	23.3	68.6	1.6	188.8	
17/08/2021 12:00	761.4	0.0	22.3	71.8	3.0	224.4	
17/08/2021 13:00	760.7	0.0	21.6	74.4	3.6	230.3	
17/08/2021 14:00	760.3	0.0	21.0	76.6	3.5	228.2	
17/08/2021 15:00	760.2	0.0	20.7	77.9	2.7	219.1	
17/08/2021 16:00	760.1	0.0	20.5	78.9	2.1	202.3	
17/08/2021 17:00	760.5	0.0	19.8	81.8	2.0	205.6	
17/08/2021 18:00	761.1	0.0	19.1	84.9	1.4	198.5	
17/08/2021 19:00	761.6	0.0	19.3	83.8	1.5	178.2	
17/08/2021 20:00	762.2	0.0	18.9	86.0	1.1	188.9	
17/08/2021 21:00	762.9	0.0	18.7	86.7	0.9	178.0	
17/08/2021 22:00	763.1	0.0	18.8	86.3	0.8	161.4	
17/08/2021 23:00	763.3	0.0	18.6	86.6	0.8	162.5	
18/08/2021 00:00	763.0	0.0	18.5	87.8	0.9	177.3	
18/08/2021 01:00	762.5	0.0	18.4	88.3	1.2	181.1	
18/08/2021 02:00	761.8	0.0	18.4	88.7	1.0	175.5	
18/08/2021 03:00	761.5	0.0	18.5	87.9	0.9	166.6	
18/08/2021 04:00	761.2	0.0	18.9	85.4	0.9	132.6	
18/08/2021 05:00	761.2	0.0	19.0	84.2	1.0	132.7	
18/08/2021 06:00	761.6	0.0	18.9	84.0	1.0	148.7	
18/08/2021 07:00	762.0	0.0	19.5	81.9	1.1	144.8	
18/08/2021 08:00	762.4	0.0	20.6	77.8	1.3	111.7	
18/08/2021 09:00	762.8	0.0	22.0	73.0	1.4	147.3	
18/08/2021 10:00	762.6	0.0	23.2	68.2	1.6	151.0	
18/08/2021 11:00	762.1	0.0	24.5	63.7	1.6	174.2	
18/08/2021 12:00	761.5	0.0	25.1	61.4	2.2	184.8	
18/08/2021 13:00	760.9	0.0	23.7	65.5	3.2	184.8	
18/08/2021 14:00	760.1	0.0	23.4	66.5	3.2	182.8	
18/08/2021 15:00	759.8	0.0	23.0	68.5	2.8	185.1	
18/08/2021 16:00	759.5	0.0	21.9	73.0	2.7	186.7	
18/08/2021 17:00	760.1	0.0	21.0	76.6	2.4	186.9	
18/08/2021 18:00	760.8	0.0	19.6	82.0	1.7	176.4	
18/08/2021 19:00	761.4	0.0	18.8	85.6	1.6	183.7	
18/08/2021 20:00	761.9	0.0	18.6	86.5	1.0	161.3	
18/08/2021 21:00	762.2	0.0	18.5	87.1	0.9	170.4	
18/08/2021 22:00	762.5	0.0	18.4	87.5	1.1	151.2	
18/08/2021 23:00	762.7	0.0	18.4	87.7	1.1	174.3	
19/08/2021 00:00	762.6	0.0	18.4	87.2	1.0	164.4	
19/08/2021 01:00	762.3	0.0	18.6	86.6	1.5	183.4	
19/08/2021 02:00	762.1	0.0	18.7	86.5	1.7	177.7	
19/08/2021 03:00	761.8	0.0	18.4	87.7	1.5	183.7	
19/08/2021 04:00	761.9	0.0	18.4	87.3	1.0	160.2	
19/08/2021 05:00	762.1	0.0	18.5	85.3	0.9	143.8	
19/08/2021 06:00	762.2	0.0	18.5	85.6	1.1	183.2	
19/08/2021 07:00	762.6	0.0	18.5	85.4	1.1	139.3	
19/08/2021 08:00	762.9	0.0	18.9	84.2	1.3	123.1	
19/08/2021 09:00	763.2	0.0	19.8	80.5	1.4	175.1	
19/08/2021 10:00	763.1	0.0	20.5	77.5	1.4	136.5	
19/08/2021 11:00	762.7	0.0	21.7	73.2	1.7	129.0	
19/08/2021 12:00	762.0	0.0	23.0	68.4	1.6	138.2	
19/08/2021 13:00	761.0	0.0	24.0	65.0	2.3	184.5	
19/08/2021 14:00	760.4	0.0	23.5	66.8	2.8	185.6	
19/08/2021 15:00	759.9	0.0	22.4	70.4	3.4	189.7	
19/08/2021 16:00	759.7	0.0	21.6	73.7	3.7	188.8	
19/08/2021 17:00	760.0	0.0	20.7	76.9	2.9	186.2	
19/08/2021 18:00	760.4	0.0	19.8	80.0	1.9	173.9	
19/08/2021 19:00	761.0	0.0	19.0	83.9	1.7	171.6	
19/08/2021 20:00	761.6	0.0	18.6	85.2	1.0	165.3	
19/08/2021 21:00	762.0	0.0	18.3	87.1	0.9	123.8	
19/08/2021 22:00	762.2	0.0	18.2	87.0	0.8	157.3	
19/08/2021 23:00	762.1	0.0	18.2	86.6	0.9	120.6	
20/08/2021 00:00	761.8	0.0	18.2	84.2	0.8	127.6	
20/08/2021 01:00	761.2	0.0	18.1	84.0	0.9	131.5	
20/08/2021 02:00	760.7	0.0	17.9	84.7	0.9	157.1	
20/08/2021 03:00	760.2	0.0	17.8	85.1	1.0	137.9	
20/08/2021 04:00	760.1	0.0	17.9	85.2	1.0	138.5	
20/08/2021 05:00	760.1	0.0	17.8	85.5	1.0	154.3	
20/08/2021 06:00	760.2	0.0	17.8	85.9	0.8	136.3	
20/08/2021 07:00	760.5	0.0	18.1	85.2	1.1	154.9	
20/08/2021 08:00	760.8	0.0	19.2	81.3	1.4	129.6	
20/08/2021 09:00	760.6	0.0	20.3	77.2	1.9	122.3	
20/08/2021 10:00	760.2	0.0	22.3	70.2	1.4	137.2	
20/08/2021 11:00	759.5	0.0	24.1	64.0	1.4	156.5	
20/08/2021 12:00	758.7	0.0	25.0	60.8	2.3	193.4	
20/08/2021 13:00	758.1	0.0	24.1	63.5	2.6	188.3	
20/08/2021 14:00	757.4	0.0	23.7	64.4	2.6	196.8	
20/08/2021 15:00	756.9	0.0	22.9	67.4	2.5	192.6	
20/08/2021 16:00	756.8	0.0	21.6	72.3	2.3	179.8	
20/08/2021 17:00	757.4	0.0	20.2	76.0	2.6	186.8	
20/08/2021 18:00	758.2	0.0	19.0	83.1	1.8	178.3	
20/08/2021 19:00	758.8	0.0	18.4	86.2	1.5	181.0	
20/08/2021 20:00	759.4	0.0	18.0	88.0	1.2	166.2	
20/08/2021 21:00	759.8	0.0	17.8	89.3	1.1	177.8	
20/08/2021 22:00	760.3	0.0	17.8	89.5	0.9	133.4	
20/08/2021 23:00	760.4	0.0	17.9	88.7	1.5	177.4	
21/08/2021 00:00	760.2	0.0	18.1	86.0	0.9	154.0	
21/08/2021 01:00	759.6	0.0	18.1	85.6	1.3	169.0	
21/08/2021 02:00	759.0	0.0	17.9	86.2	1.5	175.9	
21/08/2021 03:00	758.5	0.0	17.8	86.5	0.8	134.9	
21/08/2021 04:00	758.5	0.0	17.8	86.8	1.0	145.1	
21/08/2021 05:00	758.9	0.0	17.8	86.6	0.8	182.5	
21/08/2021 06:00	758.2	0.0	17.7	86.6	0.7	157.2	
21/08/2021 07:00	759.6	0.0	18.0	85.7	0.9	134.5	
21/08/2021 08:00	760.2	0.0	18.7	83.0	1.2	133.2	
21/08/2021 09:00	760.6	0.0	19.5	79.7	1.3	132.7	
21/08/2021 10:00	760.5	0.0	20.7	74.6	1.7	177.5	
21/08/2021 11:00	759.8	0.0	22.4	68.2	1.7	184.6	
21/08/2021 12:00	759.2	0.0	23.5	64.0	2.1	179.2	
21/08/2021 13:00	758.5	0.0	23.2	64.5	2.5	187.5	
21/08/2021 14:00	758.0	0.0	22.8	66.5	2.8	190.1	
21/08/2021 15:00	757.7	0.0	22.1	69.4	2.5	189.7	
21/08/2021 16:00	757.6	0.0	21.3	72.7	2.5	187.6	
21/08/2021 17:00	757.9	0.0	20.2	75.6	2.6	186.5	
21/08/2021 18:00	758.4	0.0	19.1	80.6	1.9	178.9	
21/08/2021 19:00	758.9	0.0	18.4	83.7	1.6	187.8	
21/08/2021 20:00	759.3	0.0	18.3	84.0	1.4	177.1	

22	21/08/2021 21:00	759.7	0.0	18.1	85.0	1.1	180.1
	21/08/2021 22:00	760.0	0.0	18.1	86.0	1.1	160.3
	21/08/2021 23:00	760.0	0.0	18.1	85.3	1.5	177.2
	22/08/2021 00:00	759.7	0.0	18.2	83.9	1.7	178.9
	22/08/2021 01:00	759.3	0.0	17.9	83.8	1.1	163.8
	22/08/2021 02:00	759.0	0.0	17.8	83.8	1.2	164.5
	22/08/2021 03:00	758.9	0.0	17.5	84.1	0.9	189.1
	22/08/2021 04:00	758.8	0.0	17.3	84.5	1.3	173.8
	22/08/2021 05:00	759.0	0.0	17.1	84.8	0.7	152.1
	22/08/2021 06:00	759.1	0.0	17.0	84.6	0.9	120.8
	22/08/2021 07:00	759.7	0.0	17.5	82.8	1.4	132.1
	22/08/2021 08:00	760.4	0.0	18.7	78.7	1.4	114.4
	22/08/2021 09:00	760.6	0.0	20.4	73.0	1.2	132.2
	22/08/2021 10:00	760.3	0.0	22.4	67.6	1.6	181.4
	22/08/2021 11:00	759.9	0.0	23.0	65.0	2.1	187.5
	22/08/2021 12:00	759.6	0.0	23.2	64.5	1.9	194.3
	22/08/2021 13:00	758.9	0.0	22.7	66.4	2.4	208.4
	22/08/2021 14:00	758.4	0.0	22.2	68.5	2.3	202.5
	22/08/2021 15:00	758.0	0.0	22.0	68.1	2.5	181.3
	22/08/2021 16:00	758.1	0.0	21.1	71.3	2.5	183.8
	22/08/2021 17:00	758.4	0.0	20.7	73.4	2.3	182.6
	22/08/2021 18:00	758.6	0.0	19.9	76.5	1.6	171.2
	22/08/2021 19:00	758.9	0.0	19.0	81.5	1.3	185.0
22/08/2021 20:00	759.4	0.0	18.8	82.3	1.2	163.7	
22/08/2021 21:00	760.1	0.0	18.7	83.3	1.2	172.4	
22/08/2021 22:00	760.3	0.0	18.9	82.1	1.1	163.5	
22/08/2021 23:00	760.3	0.0	19.0	80.8	1.2	186.8	
23	23/08/2021 00:00	760.2	0.0	19.0	80.1	0.9	175.9
	23/08/2021 01:00	759.7	0.0	18.9	79.3	0.9	175.5
	23/08/2021 02:00	759.4	0.0	18.4	80.6	1.2	194.4
	23/08/2021 03:00	760.3	0.0	18.3	81.3	1.0	176.5
	23/08/2021 04:00	759.4	0.0	18.0	82.3	0.8	161.1
	23/08/2021 05:00	759.5	0.0	17.8	83.7	1.0	165.7
	23/08/2021 06:00	759.7	0.0	17.8	83.8	1.1	161.7
	23/08/2021 07:00	760.2	0.0	18.0	82.9	1.2	159.2
	23/08/2021 08:00	760.4	0.0	19.2	78.6	1.5	142.6
	23/08/2021 09:00	760.6	0.0	20.7	73.4	1.4	151.5
	23/08/2021 10:00	760.5	0.0	22.5	67.0	1.7	157.5
	23/08/2021 11:00	760.0	0.0	24.2	61.6	1.9	188.8
	23/08/2021 12:00	759.4	0.0	24.3	61.3	2.1	190.0
	23/08/2021 13:00	758.9	0.0	24.2	61.3	1.7	181.5
	23/08/2021 14:00	758.5	0.0	23.4	64.1	2.8	189.8
	23/08/2021 15:00	758.4	0.0	22.2	68.0	2.9	165.8
	23/08/2021 16:00	758.4	0.0	21.5	71.0	2.6	184.0
	23/08/2021 17:00	759.0	0.0	20.7	74.6	1.8	182.4
	23/08/2021 18:00	759.6	0.0	19.3	80.1	2.0	180.3
	23/08/2021 19:00	760.2	0.0	18.7	82.9	1.6	177.2
	23/08/2021 20:00	760.6	0.0	18.5	83.5	1.7	182.6
	23/08/2021 21:00	760.9	0.0	18.3	84.7	1.3	180.5
	23/08/2021 22:00	761.0	0.0	18.4	84.2	1.5	180.3
23/08/2021 23:00	761.1	0.0	18.3	84.1	1.0	173.2	
24	24/08/2021 00:00	760.7	0.0	18.5	81.4	1.0	141.9
	24/08/2021 01:00	760.3	0.0	18.4	80.5	1.1	194.2
	24/08/2021 02:00	759.5	0.0	18.1	81.1	1.0	171.5
	24/08/2021 03:00	759.0	0.0	17.8	82.0	1.3	115.3
	24/08/2021 04:00	758.8	0.0	17.6	82.7	1.9	126.8
	24/08/2021 05:00	758.8	0.0	17.3	83.7	1.6	142.9
	24/08/2021 06:00	759.1	0.0	17.2	84.1	2.0	119.4
	24/08/2021 07:00	759.3	0.0	17.8	82.2	2.7	133.7
	24/08/2021 08:00	759.6	0.0	19.0	77.9	2.7	123.9
	24/08/2021 09:00	759.9	0.0	20.5	72.8	2.8	122.5
	24/08/2021 10:00	759.8	0.0	22.6	65.8	2.1	131.5
	24/08/2021 11:00	759.4	0.0	24.4	60.2	1.8	153.7
	24/08/2021 12:00	759.1	0.0	24.3	60.6	2.6	192.2
	24/08/2021 13:00	758.7	0.0	23.1	64.6	3.2	184.0
	24/08/2021 14:00	758.2	0.0	22.1	68.4	3.8	185.3
	24/08/2021 15:00	757.9	0.0	21.4	71.3	3.8	181.9
	24/08/2021 16:00	757.6	0.0	21.1	72.4	3.9	181.9
	24/08/2021 17:00	758.1	0.0	20.6	74.3	2.8	178.8
	24/08/2021 18:00	758.7	0.0	19.8	77.1	1.9	177.2
	24/08/2021 19:00	759.2	0.0	19.0	81.3	1.8	190.9
	24/08/2021 20:00	760.0	0.0	19.0	81.3	1.9	171.6
	24/08/2021 21:00	760.3	0.0	18.9	81.0	1.2	161.2
	24/08/2021 22:00	760.7	0.0	19.1	78.5	0.9	187.7
24/08/2021 23:00							
25	25/08/2021 00:00	760.6	0.0	18.4	79.9	1.3	133.2
	25/08/2021 01:00	760.3	0.0	18.2	80.4	1.1	158.3
	25/08/2021 02:00	759.9	0.0	17.9	81.5	1.2	187.7
	25/08/2021 03:00	759.8	0.0	17.6	82.6	1.2	181.0
	25/08/2021 04:00	759.6	0.0	17.5	83.1	1.3	157.3
	25/08/2021 05:00	758.7	0.0	17.4	83.5	1.5	135.8
	25/08/2021 06:00	760.2	0.0	17.3	83.8	1.4	133.7
	25/08/2021 07:00	760.6	0.0	17.7	82.8	1.4	140.9
	25/08/2021 08:00	760.9	0.0	18.5	79.7	1.9	126.5
	25/08/2021 09:00	760.8	0.0	20.1	74.4	1.7	130.0
	25/08/2021 10:00	760.4	0.0	22.0	67.8	1.4	142.5
	25/08/2021 11:00	759.8	0.0	24.0	61.3	1.7	181.8
	25/08/2021 12:00	759.3	0.0	24.4	60.3	2.2	183.1
	25/08/2021 13:00	758.7	0.0	23.8	62.1	2.7	188.3
	25/08/2021 14:00	758.0	0.0	22.9	65.1	2.6	182.3
	25/08/2021 15:00	757.7	0.0	21.6	70.3	2.6	186.1
	25/08/2021 16:00	757.9	0.0	20.7	74.1	2.3	186.2
	25/08/2021 17:00	758.4	0.0	19.7	77.5	2.3	182.1
	25/08/2021 18:00	758.9	0.0	18.5	83.1	2.0	181.7
	25/08/2021 19:00	759.4	0.0	17.8	86.7	2.2	186.0
	25/08/2021 20:00	759.7	0.0	17.9	86.9	1.9	190.7
	25/08/2021 21:00	760.1	0.0	18.0	85.0	2.1	174.0
	25/08/2021 22:00	760.3	0.0	18.3	83.1	1.4	181.6
25/08/2021 23:00							
26	26/08/2021 00:00	760.8	0.0	18.0	82.7	1.1	163.0
	26/08/2021 01:00	760.2	0.0	17.9	83.5	1.1	143.6
	26/08/2021 02:00	759.7	0.0	17.6	84.4	1.2	124.6
	26/08/2021 03:00	759.7	0.0	17.5	85.0	1.3	126.0
	26/08/2021 04:00	759.7	0.0	17.3	85.3	1.7	127.6
	26/08/2021 05:00	759.9	0.0	17.3	84.8	1.8	130.2
	26/08/2021 06:00	760.3	0.0	17.3	84.7	1.2	133.0
	26/08/2021 07:00	760.8	0.0	17.9	83.2	1.1	129.5
	26/08/2021 08:00	761.1	0.0	19.4	78.2	1.2	140.1
	26/08/2021 09:00	761.3	0.0	21.6	70.9	1.0	154.9
	26/08/2021 10:00	761.3	0.0	23.4	64.7	1.4	180.0
	26/08/2021 11:00	760.9	0.0	22.8	66.5	2.3	186.7
	26/08/2021 12:00	760.5	0.0	22.0	68.4	2.6	189.3
	26/08/2021 13:00	759.8	0.0	21.4	70.5	2.6	187.8
	26/08/2021 14:00	759.2	0.0	21.4	71.8	2.2	195.2
	26/08/2021 15:00	758.6	0.0	21.3	72.1	1.8	207.4
	26/08/2021 16:00	758.4	0.0	20.5	75.3	2.2	209.4
	26/08/2021 17:00	759.0	0.0	19.9	76.9	1.9	188.7
	26/08/2021 18:00	758.6	0.0	18.7	81.3	1.5	182.2
	26/08/2021 19:00	760.2	0.0	17.9	84.9	1.6	178.8

		26/08/2021 20:00	760.9	0.0	18.0	85.0	1.4	182.3
		26/08/2021 21:00	761.0	0.0	18.0	83.9	1.0	150.9
		26/08/2021 22:00	761.2	0.0	17.9	83.4	1.2	176.5
		26/08/2021 23:00	761.1	0.0	18.2	82.1	1.1	176.1
		27/08/2021 00:00	760.7	0.0	18.3	81.3	1.2	151.8
		27/08/2021 01:00	760.1	0.0	18.1	81.9	1.6	120.4
		27/08/2021 02:00	759.9	0.0	17.9	81.1	1.6	131.2
		27/08/2021 03:00	759.7	0.0	17.7	81.0	1.2	137.8
		27/08/2021 04:00	759.8	0.0	17.5	81.8	1.1	135.5
		27/08/2021 05:00	760.0	0.0	17.2	83.2	1.3	124.9
		27/08/2021 06:00	760.3	0.0	17.1	83.4	1.4	125.8
		27/08/2021 07:00	760.4	0.0	17.4	82.5	1.8	124.9
		27/08/2021 08:00	761.1	0.0	18.5	79.0	1.7	133.9
		27/08/2021 09:00	761.4	0.0	19.7	74.7	1.6	116.5
		27/08/2021 10:00	761.2	0.0	21.1	70.0	1.5	148.9
		27/08/2021 11:00	760.7	0.0	23.1	63.9	1.5	162.3
		27/08/2021 12:00	760.2	0.0	23.1	63.5	2.5	186.7
		27/08/2021 13:00	759.8	0.0	23.0	63.8	2.1	186.7
		27/08/2021 14:00	759.4	0.0	22.4	65.8	2.6	189.7
		27/08/2021 15:00	759.2	0.0	21.3	70.1	2.5	184.0
		27/08/2021 16:00	759.2	0.0	20.6	72.7	2.3	184.5
		27/08/2021 17:00	759.4	0.0	19.6	76.4	2.3	185.5
		27/08/2021 18:00	760.0	0.0	18.5	80.5	1.4	185.4
		27/08/2021 19:00	760.7	0.0	17.9	83.8	1.6	182.0
		27/08/2021 20:00	761.2	0.0	17.7	85.1	1.5	181.3
		27/08/2021 21:00	761.6	0.0	17.8	84.2	1.2	179.8
		27/08/2021 22:00	761.8	0.0	17.8	84.2	0.9	158.6
		27/08/2021 23:00	761.5	0.0	18.0	83.0	0.7	169.4
		28/08/2021 00:00						
		28/08/2021 01:00	760.7	0.0	18.8	76.4	1.1	141.6
		28/08/2021 02:00	760.2	0.0	18.5	76.9	0.9	139.4
		28/08/2021 03:00	759.9	0.0	18.2	78.2	1.1	144.8
		28/08/2021 04:00	760.1	0.0	17.8	79.8	0.9	164.6
		28/08/2021 05:00	760.4	0.0	17.6	81.0	0.9	167.5
		28/08/2021 06:00	760.7	0.0	17.4	82.2	1.0	156.3
		28/08/2021 07:00						
		28/08/2021 08:00						
		28/08/2021 09:00	761.3	0.0	21.9	68.3	1.0	166.0
		28/08/2021 10:00	761.0	0.0	23.5	63.2	1.8	189.3
		28/08/2021 11:00	760.8	0.0	23.3	64.6	2.0	213.3
		28/08/2021 12:00	760.4	0.0	20.8	73.8	3.2	225.4
		28/08/2021 13:00	759.5	0.0	20.8	74.1	3.0	222.2
		28/08/2021 14:00	759.1	0.0	20.0	77.2	2.8	222.8
		28/08/2021 15:00	758.5	0.0	21.8	70.4	1.9	201.2
		28/08/2021 16:00	758.5	0.0	21.0	71.7	1.6	172.8
		28/08/2021 17:00	758.8	0.0	19.3	78.0	2.0	184.2
		28/08/2021 18:00	759.1	0.0	18.3	82.0	1.6	177.0
		28/08/2021 19:00	760.0	0.0	17.8	84.0	1.0	173.3
		28/08/2021 20:00	761.0	0.0	17.6	85.6	1.1	169.7
		28/08/2021 21:00	761.4	0.0	17.3	86.8	1.2	183.6
		28/08/2021 22:00	761.7	0.0	17.2	87.4	1.1	165.8
		28/08/2021 23:00	761.9	0.0	17.1	87.8	1.0	164.1
		29/08/2021 00:00	761.7	0.0	17.3	86.8	1.5	173.6
		29/08/2021 01:00	761.3	0.0	17.3	85.5	1.3	186.2
		29/08/2021 02:00	760.8	0.0	17.2	84.4	0.7	154.0
		29/08/2021 03:00	760.5	0.0	17.3	84.0	1.1	183.4
		29/08/2021 04:00	760.7	0.0	17.2	84.1	1.0	159.5
		29/08/2021 05:00	761.1	0.0	17.1	84.7	1.2	188.3
		29/08/2021 06:00	761.5	0.0	17.2	85.0	1.4	176.4
		29/08/2021 07:00	762.1	0.0	17.3	85.2	1.2	169.9
		29/08/2021 08:00	762.5	0.0	17.9	82.5	1.2	152.8
		29/08/2021 09:00	762.7	0.0	18.6	80.2	1.4	157.1
		29/08/2021 10:00	762.5	0.0	20.5	74.0	1.4	171.9
		29/08/2021 11:00	762.0	0.0	21.5	70.2	1.7	176.5
		29/08/2021 12:00	761.4	0.0	21.6	69.5	2.4	182.8
		29/08/2021 13:00	760.5	0.0	22.7	66.1	2.1	195.0
		29/08/2021 14:00	759.5	0.0	22.4	67.7	2.4	208.2
		29/08/2021 15:00	759.7	0.0	21.5	70.2	2.4	198.8
		29/08/2021 16:00	759.7	0.0	20.3	74.0	2.1	208.6
		29/08/2021 17:00	760.2	0.0	19.6	76.1	2.2	189.3
		29/08/2021 18:00	760.9	0.0	18.5	79.9	1.4	182.1
		29/08/2021 19:00	761.6	0.0	17.8	83.7	1.3	185.0
		29/08/2021 20:00	762.0	0.0	17.6	85.1	1.5	176.7
		29/08/2021 21:00	762.2	0.0	17.6	85.0	0.7	158.3
		29/08/2021 22:00	762.5	0.0	17.4	86.2	0.6	187.6
		29/08/2021 23:00	762.5	0.0	16.9	88.7	1.0	185.3
		30/08/2021 00:00	762.0	0.0	16.8	89.9	0.5	181.4
		30/08/2021 01:00	761.4	0.0	16.7	89.9	0.7	172.4
		30/08/2021 02:00	761.0	0.0	16.7	89.9	0.6	185.5
		30/08/2021 03:00	760.9	0.0	16.7	89.8	0.4	157.6
		30/08/2021 04:00	760.7	0.0	16.9	88.8	0.7	178.5
		30/08/2021 05:00	761.0	0.0	17.2	88.8	0.6	149.7
		30/08/2021 06:00	761.5	0.0	17.3	85.5	0.7	145.1
		30/08/2021 07:00	761.8	0.0	17.6	84.1	0.8	167.5
		30/08/2021 08:00	762.5	0.0	18.3	81.9	0.7	179.3
		30/08/2021 09:00	762.8	0.0	19.8	76.0	0.9	168.4
		30/08/2021 10:00	762.6	0.0	20.0	76.3	1.7	191.8
		30/08/2021 11:00	762.1	0.0	20.4	75.5	2.1	183.2
		30/08/2021 12:00	761.5	0.0	20.0	75.5	1.9	179.4
		30/08/2021 13:00	760.8	0.0	19.5	77.3	1.6	175.2
		30/08/2021 14:00	759.8	0.0	21.2	70.7	2.3	190.0
		30/08/2021 15:00	759.2	0.0	21.3	69.6	2.4	185.2
		30/08/2021 16:00	759.1	0.0	20.9	71.2	2.5	184.1
		30/08/2021 17:00	759.5	0.0	19.6	76.1	2.0	178.9
		30/08/2021 18:00	760.0	0.0	18.5	81.6	1.4	181.8
		30/08/2021 19:00	760.6	0.0	17.7	85.4	1.3	183.2
		30/08/2021 20:00	761.1	0.0	17.4	87.8	1.6	176.9
		30/08/2021 21:00	761.9	0.0	17.2	88.7	1.6	164.9
		30/08/2021 22:00	762.5	0.0	17.2	88.4	1.1	178.4
		30/08/2021 23:00	762.4	0.0	17.1	88.7	1.4	180.9
		31/08/2021 00:00	762.2	0.0	17.1	87.6	1.5	173.5
		31/08/2021 01:00	761.5	0.0	17.1	87.5	0.9	176.5
		31/08/2021 02:00	761.0	0.0	17.1	87.8	0.8	153.9
		31/08/2021 03:00	760.5	0.0	17.3	87.0	0.8	158.2
		31/08/2021 04:00	760.3	0.0	17.3	86.3	0.9	152.8
		31/08/2021 05:00	760.4	0.0	17.5	84.6	0.8	166.9
		31/08/2021 06:00	760.5	0.0	17.7	82.8	1.0	137.3
		31/08/2021 07:00	761.0	0.0	18.0	81.6	1.0	119.1
		31/08/2021 08:00	761.4	0.0	19.2	77.8	1.3	133.3
		31/08/2021 09:00	761.4	0.0	20.7	72.6	1.1	126.4
		31/08/2021 10:00	761.0	0.0	22.6	66.6	1.0	173.8
		31/08/2021 11:00	760.6	0.0	24.2	61.9	2.1	215.5
		31/08/2021 12:00	760.0	0.0	21.8	71.0	3.0	235.7
		31/08/2021 13:00	759.3	0.0	21.5	71.7	2.8	222.7
		31/08/2021 14:00	759.0	0.0	20.9	73.5	2.3	229.0
		31/08/2021 15:00	758.5	0.0	20.8	73.8	2.4	230.8
		31/08/2021 16:00	758.7	0.0	19.9	76.8	2.7	223.4
		31/08/2021 17:00	759.0	0.0	19.7	75.4	1.7	218.6
		31/08/2021 18:00	759.5	0.0	19.1	78.5	1.2	179.8
		31/08/2021 19:00	760.3	0.0	17.8	84.4	1.2	181.2
		31/08/2021 20:00	760.9	0.0	17.6	85.9	1.1	184.5
		31/08/2021 21:00	761.5	0.0	17.5	86.6	1.2	185.1
		31/08/2021 22:00	761.9	0.0	17.3	87.1	1.5	185.9
		31/08/2021 23:00	762.2	0.0	17.2	87.9	1.4	182.3

MÍNIMO	756.8	0.0	16.7	57.4	0.4	-
MÁXIMO	764.3	0.0	25.7	90.7	3.9	-
PROMEDIO	761.1	0.0	19.8	78.5	1.6	-

















TÍTULO DEL ESTUDIO:

Evaluación ambiental de seguimiento de la

ESTACIÓN DE MONITOREO:

CA-TA-01

	1-Ago	2-Ago	3-Ago	4-Ago	5-Ago	6-Ago	7-Ago	8-Ago	9-Ago	10-Ago	11-Ago	12-Ago
00:00	1.1	1.4	0.8	0.6	0.9	0.6	1.4	1.5	1.1	1.2	1.2	1.2
01:00	1.1	0.9	0.6	0.7	1	0.9	1.2	1.4	1.6	1.3	1.2	1.2
02:00	1.3	0.9	0.9	0.6	1	0.9	1.2	1.2	1.7	1	1.2	1.2
03:00	1.2	1.1	1.4	0.5	0.9	1	1.2	1.6	1.7	1.5	1	1
04:00	1.2	1.3	1.5	0.7	1.4	0.9	1.3	1.9	2.1	1.3	1.1	1.1
05:00	1.2	1.2	1.6	0.6	1.3	1.2	1.4	1.9	2.2	1	0.9	1
06:00	1.1	1.2	1	0.9	1.5	1.3	1.3	2.1	2.2	1.4	1	1
07:00	1.1	1	1.3	1	1.5	1.6	1.4	2.1	2.2	1.6	1	1
08:00	1	1.5	1.4	0.9	1.5	1.7	1.5	2.3	2.2	1.4	1.3	1.3
09:00	1.3	1.4	1.1	1.4	1.5	1.4	1.4	1.9	1.9	1.3	1.1	1.1
10:00	1.5	1.6	1.4	1.4	1.4	1.3	1.2	1.4	1.9	1.5	1.2	1.2
11:00	1.8	1.7	1.4	1.9	1.5	1.5	1.4	1.7	1.5	1.8	1.2	1.2
12:00	2.7	2.7	3.3	2.4	2.2	2.2	2	2.5	2.7	2.2	2.1	2.1
13:00	2.8	2.3	3.4	2.3	2.6	2.8	1.7	2.9	2.9	2.3	2.3	2.3
14:00	3.3	2.6	3	2.5	2.7	3.2	2.6	2.7	2.8	2.6	2.4	2.4
15:00	3.2	3	2.7	2.7	3.1	2.8	2.7	2.8	3.1	2.9	2.2	2.2
16:00	2.9	2.6	2	2.5	2.4	2.5	3.4	2.4	3.3	2.9	2.2	2.2
17:00	2	3.1	2.1	2	2.7	2.8	3.2	2.2	2.7	2.1	2	2
18:00	1.9	2.1	1.4	1.9	2	2.4	2.2	1.8	2.4	2.2	1.7	1.7
19:00	2.2	1.4	1.1	1.4	1.7	1.8	1.9	1.8	1.6	1.6	1.4	1.4
20:00	1.7	0.8	1.3	0.8	1.5	1.7	1.7	1.3	1.7	1.4	1	1
21:00	1.6	0.6	0.6	0.5	1.4	1.1	1.3	1	1.1	1.2	1.3	1.3
22:00	1.3	0.6	0.5	0.7	1.2	0.8	1.1	0.9	1	0.9	1.6	1.6
23:00	1.5	S.D.	S.D.	S.D.	0.9	0.9	1.2	1.1	1.1	0.8	1.4	1.4

	1-Ago	2-Ago	3-Ago	4-Ago	5-Ago	6-Ago	7-Ago	8-Ago	9-Ago	10-Ago	11-Ago	12-Ago
00:00	S	SSE	S	SSE	S	S	SE	SE	SSE	ESE	S	S
01:00	SSE	SSE	S	SE	S	SSE	SE	SE	SE	SE	S	S
02:00	ESE	SE	SSE	SSE	S	SE	SE	SE	SE	ESE	S	S
03:00	SE	SE	SE	S	SE	S	SE	SE	ESE	SE	SE	S
04:00	SE	SE	ESE	S	ESE	SE	SSE	SE	SE	SE	SSE	S
05:00	SE	ESE	SE	SE	SE	SE	SSE	SE	SE	SE	SSE	S
06:00	SSE	SSE	SE	SE	SE	SE	SE	SE	ESE	ESE	S	S
07:00	SSE	SE	ESE	SE	SE	ESE	SE	ESE	ESE	ESE	SE	S
08:00	SSE	SSE	ESE	SSE	SE	SE	ESE	ESE	SE	ESE	ESE	S
09:00	SSE	SE	SE	S	SE	SE	SE	SE	SE	SSE	SSE	S
10:00	S	SSE	S	SSE	SSE	SSE	SSE	SE	ESE	S	SSE	S
11:00	S	SSE	S	S	SSE	S	SSE	SSE	SSE	S	S	S
12:00	S	S	SW	S	SSW	SSW	S	S	S	SSW	SSW	S
13:00	S	SSW	SW	SSW	S	SSW	S	S	S	SW	S	S
14:00	S	SSW	SW	SSW	SSW	S	SSW	S	S	SW	SSW	S
15:00	S	S	SW	SSW	SW	S	SSW	S	S	SSW	SW	S
16:00	S	SSW	SSW	S	SSW	S	S	S	S	SW	SSW	S
17:00	SSW	S	SW	S	S	S	S	S	S	SSW	SSW	S
18:00	S	S	SW	S	S	S	S	S	S	S	S	S
19:00	S	S	SSW	S	S	S	S	S	S	S	S	S
20:00	S	SSE	S	S	S	S	S	S	S	S	S	S
21:00	S	SE	S	S	S	S	S	S	S	S	SSW	S
22:00	S	SSE	S	S	S	S	SE	SSW	S	S	S	S
23:00	S				SSE	SSE	SE	SE	SSE	S	S	S

Tabla 3.3. Velocidad y dirección del viento durante el mes

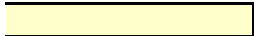
a calidad del aire en el área de influencia de la Refinería Talara, ubicada en el distrito de Pariñas, provincia de Tala Piura, en agosto de 2021

CÓDIGO DE ACCIÓN 0002-8-2021-414

Velocidad del viento																			
12-Ago	13-Ago	14-Ago	15-Ago	16-Ago	17-Ago	18-Ago	19-Ago	20-Ago	21-Ago	22-Ago	23-Ago	24-Ago	25-Ago	26-Ago	27-Ago	28-Ago	29-Ago	30-Ago	31-Ago
1.2	0.6	0.7	1.6	1.1	1.1	0.9	1	0.8	0.9	1.7	0.9	1	1.3	1.1	1.2	S.D.	1.5	0.5	
1	0.6	0.8	2.1	1.2	1	1.2	1.5	0.9	1.3	1.1	0.9	1.1	1.1	1.1	1.6	1.1	1.3	0.7	
1.2	0.8	1.1	1.4	1.1	0.8	1	1.7	0.9	1.5	1.2	1.2	1	1.2	1.2	1.6	0.9	0.7	0.6	
0.8	0.8	1.7	1.3	1	0.8	0.9	1.5	1	0.8	0.9	1	1.3	1.2	1.3	1.2	1.1	1.1	0.4	
0.6	1	1.4	1.1	1.2	0.9	0.9	1	1	1	1.3	0.8	1.9	1.3	1.7	1.1	0.9	1	0.7	
0.8	1	1.9	1.1	0.8	0.7	1	0.9	1	0.8	0.7	1	1.6	1.5	1.8	1.3	0.9	1.2	0.6	
0.8	1.2	1.6	0.8	0.8	0.7	1	1.1	0.8	0.7	0.9	1.1	2	1.4	1.2	1.4	1	1.4	0.7	
1	1	1.2	1.2	0.8	0.6	1.1	1.1	1.1	0.9	1.4	1.2	2.7	1.4	1.1	1.8	S.D.	1.2	0.8	
1.1	1.3	1	1.2	1	0.9	1.3	1.3	1.4	1.2	1.4	1.5	2.7	1.9	1.2	1.7	S.D.	1.2	0.7	
1.3	1.3	1	1.4	1.4	1.4	1.4	1.4	1.9	1.3	1.2	1.4	2.8	1.7	1	1.6	1	1.4	0.9	
1.3	1.5	1.1	1.4	1.2	1.2	1.6	1.4	1.4	1.7	1.6	1.7	2.1	1.4	1.4	1.5	1.8	1.4	1.7	
1.3	2.1	2.2	1.7	1.6	1.6	1.6	1.7	1.4	1.7	2.1	1.9	1.8	1.7	2.3	1.5	2	1.7	2.1	
2.5	2.3	2.7	2	2.4	3	2.2	1.6	2.3	2.1	1.9	2.1	2.6	2.2	2.6	2.5	3.2	2.4	1.9	
2.3	2.6	3.2	2.3	2.5	3.6	3.2	2.3	2.6	2.5	2.4	1.7	3.2	2.7	2.6	2.1	3	2.1	1.6	
2.6	2.5	2.9	2.5	3.2	3.5	3.2	2.8	2.6	2.8	2.3	2.8	3.8	2.6	2.2	2.6	2.8	2.4	2.3	
2.3	2.3	2.7	2.4	2.5	2.7	2.8	3.4	2.5	2.5	2.5	2.9	3.8	2.6	1.8	2.5	1.9	2.4	2.4	
1.8	2.5	1.9	2.3	2.6	2.1	2.7	3.7	2.3	2.5	2.5	2.6	3.9	2.3	2.2	2.3	1.6	2.1	2.5	
1.8	2.3	1.8	2.3	2	2	2.4	2.9	2.6	2.6	2.3	1.8	2.8	2.3	1.9	2.3	2	2.2	2	
1	1.8	1.7	1.3	2	1.4	1.7	1.9	1.8	1.9	1.6	2	1.9	2	1.5	1.4	1.6	1.4	1.4	
0.9	2.1	1.2	1.2	1.4	1.5	1.6	1.7	1.5	1.6	1.3	1.6	1.8	2.2	1.6	1.6	1	1.3	1.3	
0.8	1.3	1.4	1.1	0.9	1.1	1	1	1.2	1.4	1.2	1.7	1.9	1.9	1.4	1.5	1.1	1.5	1.6	
0.6	1.1	1.4	1	1.1	0.9	0.9	0.9	1.1	1.1	1.2	1.3	1.2	2.1	1	1.2	1.2	0.7	1.6	
0.6	1.1	1.5	1.5	1	0.8	1.1	0.8	0.9	1.1	1.1	1.5	0.9	1.4	1.2	0.9	1.1	0.6	1.1	
S.D.	S.D.	1.3	1.3	0.8	0.8	1.1	0.9	1.5	1.5	1.2	1	S.D.	S.D.	1.1	0.7	1	1	1.4	
Dirección del viento																			
12-Ago	13-Ago	14-Ago	15-Ago	16-Ago	17-Ago	18-Ago	19-Ago	20-Ago	21-Ago	22-Ago	23-Ago	24-Ago	25-Ago	26-Ago	27-Ago	28-Ago	29-Ago	30-Ago	31-Ago
S	SE	SSE	S	S	S	S	SSE	SE	SSE	S	S	SE	SE	SSE	SSE	SE	S	S	
S	SE	SSE	S	SSE	S	S	S	SE	S	SSE	S	SSW	SSE	SSE	ESE	SE	S	S	
S	S	S	S	SE	S	S	S	SSE	S	SSE	S	S	S	SE	SE	SE	SSE	S	
SSE	SSE	SE	SSE	SSE	S	SSE	SE	SE	SE	S	S	ESE	SE	SE	SE	SSE	S	SSE	
SE	S	SE	S	SE	S	SE	SSE	SE	SSE	S	SSE	SE	SSE	SE	SE	SSE	SSE	S	
SSW	SSE	SE	S	S	SSE	SE	SSE	SSE	S	SSE	SSE	SE	SE	SE	SE	SSE	S	SSE	
SSE	ESE	SE	S	SSE	SSE	SSE	S	SE	SSE	ESE	SSE	ESE	SE	SE	SE	SSE	S	SSE	
SSE	SE	SE	S	SSE	SSE	SSE	SE	SE	SE	SE	SSE	SE	SE	SE	SE		S	SSE	
SSE	SSE	ESE	SSE	S	S	SSE	S	ESE	SE	SE	SSE	ESE	SE	SSE	ESE	SSE	SSE	SSE	
SE	SSE	SSE	SSE	S	S	SSE	SE	SE	S	S	SSE	SE	SE	S	SSE	S	S	SSW	
SE	S	SSW	S	S	S	S	SE	SSE	S	S	S	SSE	S	S	SSE	SSW	S	S	
SSW	SSW	SW	S	S	SSW	SW	S	SE	SSW	S	SSW	S	S	S	S	SW	S	S	
SSW	SW	SW	S	SSW	SW	S	S	S	S	SSW	S	S	S	S	S	SW	SSW	S	
SSW	SW	SW	S	SW	SW	S	S	SSW	S	SSW	S	S	S	S	SSW	S	SSW	S	
SSW	S	SW	S	SW	SW	S	S	S	S	S	S	S	S	S	SSW	S	SSW	S	
SSW	S	SW	SSW	SW	SSW	S	S	S	S	S	S	S	S	SSW	S	S	SSW	S	
S	S	SW	S	SSW	SSW	S	S	S	S	S	S	S	S	S	S	S	S	S	
S	S	S	SSE	S	SSW	S	S	S	S	S	S	S	S	S	S	S	S	S	
S	S	S	SSE	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	
SSE	S	S	S	S	S	SSE	SSE	SSE	S	SSE	S	S	S	S	S	S	S	S	
SE	S	S	S	S	S	S	SE	S	S	S	S	SSE	S	SSE	S	S	SSE	SSE	
SE	S	S	S	S	SSE	SSE	SSE	SE	SSE	SSE	S	S	S	S	SSE	SSE	S	S	
	S	S	S	S	SSE	S	ESE	S	S	S	S		S	S	SSE	S	S	S	



ra, departamento de



8.6  
31.4

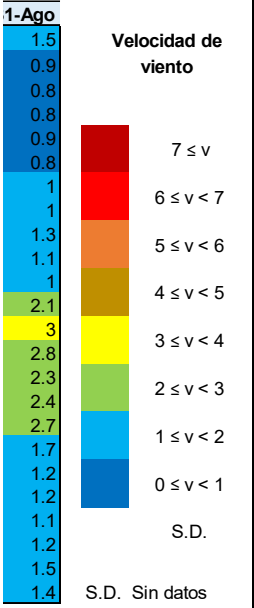


Tabla 3.1. Concentraciones horarias de SO<sub>2</sub>

TÍTULO DEL ESTUDIO:		Evaluación ambiental de seguimiento de la calidad del aire en el área de influencia de la Refinería Talara, ubicada en el distrito de Paríñas, provincia de Tarma, departamento de Piura, en setiembre de 2021																													
ESTACIÓN DE MONITOREO:		CA-TA-01	CÓDIGO DE ACCIÓN:																												
		No aplica																													
DATOS DEL EQUIPO																															
EQUIPO:		Analizador automático de gases																													
MODELO:		450i																													
		MARCA: Thermo Scientific																													
		SERIE: 1009241444																													
Hora/Día	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
00:00	10.1	10.2	10.5	10.4	10.0	9.9	9.7	9.6	10.1	10.0	10.0	10.6	9.5	9.2	10.3	9.9	10.2	10.7	9.6	9.7	9.8	10.1	9.8	9.6	10.1	10.2	9.6	10.0	10.1	10.0	
01:00	10.0	10.7	10.4	9.9	9.9	10.0	9.7	9.8	10.0	9.9	10.1	10.3	9.5	9.8	10.0	10.0	10.2	10.5	10.0	9.6	9.8	9.9	9.6	9.9	10.0	10.1	9.9	9.9	9.9	10.6	
02:00	10.0	10.3	9.9	9.9	9.8	10.0	9.5	9.8	10.1	9.7	10.2	10.3	9.9	9.6	10.0	9.8	10.1	10.1	9.8	9.7	9.6	9.7	9.5	10.2	9.8	10.0	9.8	9.7	10.2	10.5	
03:00	10.0	11.2	9.9	9.8	10.0	9.6	9.4	9.6	9.9	9.5	10.3	10.1	9.8	9.6	10.0	9.8	10.0	10.1	9.9	9.5	9.5	9.5	9.4	10.6	10.1	9.6	9.9	10.1	10.5		
04:00	9.9	11.5	9.8	9.8	9.7	9.6	9.6	9.6	9.6	9.6	10.2	10.0	9.9	9.1	9.8	9.7	10.2	10.4	10.1	9.7	9.5	9.6	9.6	10.5	9.9	9.6	9.2	9.8	10.2	10.2	
05:00	10.3	10.8	10.0	9.7	9.8	9.5	9.6	9.7	9.9	9.6	9.8	9.8	9.9	9.1	9.9	9.7	10.2	10.0	9.9	9.5	9.5	9.6	9.7	10.2	10.1	9.6	9.2	9.6	10.1	10.3	
06:00	10.4	10.6	10.1	10.0	9.8	9.8	9.5	9.7	9.8	9.9	9.9	9.8	10.1	9.7	10.4	9.8	9.7	10.0	9.9	9.1	9.7	9.6	9.8	11.3	10.0	9.7	9.9	9.6	10.3	10.3	
07:00	10.8	11.1	10.2	10.2	9.7	10.0	9.9	9.9	10.2	9.9	9.5	10.0	10.5	10.3	10.1	10.4	10.4	10.4	9.9	9.4	10.0	10.0	10.2	11.3	10.0	9.8	10.0	10.0	10.7	10.6	
08:00	10.6	10.4	10.3	10.4	9.9	10.0	10.1	10.0	9.8	10.0	9.3	9.4	10.1	9.9	10.2	10.1	10.0	10.0	9.8	9.6	9.9	10.0	10.1	11.1	9.8	9.9	9.9	10.0	10.7	10.3	
09:00	10.3	23.4	10.1	10.2	9.9	10.0	10.4	9.9	10.2	11.6	9.8	9.6	10.2	10.2	10.2	10.1	9.8	10.1	10.0	9.1	10.0	13.9	11.9	31.4	9.6	16.8	9.7	9.5	10.9	10.7	
10:00	10.3	23.4	10.1	10.2	9.9	10.0	10.4	9.9	10.2	11.6	9.8	9.6	10.2	10.2	10.2	10.1	9.8	10.1	10.0	9.1	10.0	13.9	11.9	31.4	9.6	16.8	9.7	9.5	10.9	10.7	
11:00	13.9	33.6	10.7	10.9	10.1	10.0	10.4	10.4	10.4	11.5	11.8	17.1	10.0	10.5	11.2	10.8	11.1	12.4	10.5	10.6	10.6	10.0	10.6	14.3	10.2	15.6	20.2	12.9	15.4	26.4	
12:00	22.6	29.0	11.2	11.7	11.0	11.5	12.0	12.3	12.9	12.5	47.5	12.3	11.0	12.1	11.9	12.7	13.4	11.5	11.2	10.9	11.7	9.9	17.5	15.0	11.8	15.0	18.2	12.2	18.0	38.6	
13:00	31.4	22.8	11.8	17.0	13.5	11.8	12.1	13.1	15.2	12.6	21.2	20.4	11.3	48.7	12.1	13.5	14.4	18.6	12.1	11.0	11.7	10.0	15.7	12.5	12.8	14.2	19.9	14.0	14.6	27.2	
14:00	39.8	16.5	12.8	19.2	18.3	12.0	12.1	13.8	12.7	14.3	15.7	18.2	12.4	57.9	12.7	12.7	13.9	14.8	12.7	11.3	11.8	10.2	13.9	19.1	13.8	14.6	19.4	14.2	12.1	16.7	
15:00	23.9	ID	13.6	17.5	13.7	12.3	12.5	13.8	12.3	15.7	17.8	13.2	13.4	31.6	14.5	12.7	12.8	12.1	11.8	11.6	12.6	11.5	14.5	24.0	13.0	14.6	17.2	15.0	12.3	14.7	
16:00	21.1	13.4	15.0	14.3	11.8	12.2	12.5	13.1	11.7	12.6	14.4	11.2	11.6	18.1	12.7	12.5	11.0	11.4	11.1	11.5	12.7	12.0	13.2	15.9	11.9	16.5	13.2	12.2	11.7	13.2	
17:00	15.8	12.6	12.5	11.8	11.2	12.0	12.3	12.7	11.8	11.3	12.3	10.8	11.6	14.7	12.3	11.4	10.6	11.3	11.0	11.4	12.7	11.7	11.5	12.4	11.3	12.3	11.8	11.5	11.5	12.3	
18:00	12.6	11.8	11.9	11.3	10.9	11.9	11.9	12.1	11.4	11.2	11.6	10.6	11.3	12.8	11.8	11.3	10.9	11.1	10.5	11.2	12.3	11.5	10.8	11.1	10.8	11.0	11.3	11.3	11.4	11.7	
19:00	11.5	11.2	11.5	11.1	11.1	11.1	11.1	12.0	11.2	10.3	10.7	10.2	11.4	11.8	11.1	11.2	10.9	10.8	10.5	11.0	11.5	10.7	10.2	10.6	10.5	10.7	10.5	11.1	10.8	10.8	
20:00	10.2	11.1	10.7	10.7	10.4	10.4	10.7	11.3	10.8	10.9	10.5	9.9	10.9	10.9	10.9	10.7	10.5	10.4	10.0	10.6	10.9	9.9	9.9	10.6	10.2	9.7	10.3	10.4	10.6	10.5	
21:00	10.4	11.0	11.0	10.4	10.1	10.1	10.2	11.0	10.6	10.6	10.4	10.0	10.3	10.8	10.3	10.7	10.1	10.0	9.9	10.3	10.6	9.8	9.9	10.4	10.1	9.3	10.2	10.2	10.2	10.2	
22:00	10.2	10.7	10.9	10.1	10.1	10.1	10.1	10.9	10.4	9.9	10.5	9.5	9.5	10.6	10.4	10.2	10.1	10.0	10.0	9.8	10.5	9.9	9.4	10.2	10.0	9.2	10.0	9.9	10.0	9.9	
23:00	ID	10.7	10.6	10.1	9.9	9.8	9.7	10.5	10.2	9.9	10.1	9.2	ID	ID	10.5	ID	10.0	10.2	9.9	9.8	9.9	10.2	9.8	9.6	10.3	9.9	9.1	10.0	10.1	9.9	10.0
Promedio de SO <sub>2</sub> en 24 h	14.6	14.1	11.1	11.5	10.8	10.6	10.6	11.0	10.9	11.0	13.3	11.0	10.6	15.3	11.0	10.8	10.9	11.0	10.4	10.2	10.7	10.4	11.2	13.5	10.6	11.5	12.0	11.1	11.4	14.2	
250 µg/m <sup>3</sup> en periodo de 24 horas																															

Observación:

ND: Data no disponible

VF: Verificación multipunto del equipo analizador de gases.

IE: Interrupción eléctrica.

ID: Insuficiencia de datos para calcular promedio (menor del 75%), dato no calculado por no cumplir con la mínima suficiencia de datos (45 minutos o 18 horas)

Nota: Se realizó el cambio y la verificación del equipo analizador Thermo Scientific 450i del 25 de febrero desde las 15:55 horas hasta el 26 hasta las 15:10 horas



**Tabla 3.2. Datos Meteorológicos**

**TÍTULO DEL ESTUDIO:** Evaluación ambiental de seguimiento de la calidad del aire en el área de influencia de la Refinería Talara, ubicada en el distrito de Paríñas, provincia de Talara, departamento de Piura, en setiembre de 2021

**ESTACIÓN DE MONITOREO:** CA-TA-01 **CÓDIGO DE ACCIÓN:** No aplica

**DATOS DEL EQUIPO**

**EQUIPO:** Estación meteorológica **MARCA:** Campbell Scientific  
**MODELO:** CR1000 **SERIE:** 30824

FECHA Y HORA	Presión atmosférica (mmHg)	Precipitación (mm)	Temperatura ambiental (°C)	Humedad relativa (%)	Velocidad de Viento (m/s)	Dirección de Viento (°)
1/09/2021 00:00	762.0	0.0	17.1	88.2	1.4	183.7
1/09/2021 01:00	761.5	0.0	16.9	88.9	1.6	181.3
1/09/2021 02:00	761.1	0.0	16.9	89.8	1.4	193.4
1/09/2021 03:00	761.0	0.0	17.1	89.4	0.8	182.3
1/09/2021 04:00	760.9	0.0	17.1	88.7	1.2	190.1
1/09/2021 05:00	761.0	0.0	17.2	88.6	1.4	183.7
1/09/2021 06:00	761.3	0.0	17.2	89.0	1.0	184.4
1/09/2021 07:00	761.6	0.0	17.5	88.1	1.2	183.7
1/09/2021 08:00	761.9	0.0	18.3	84.6	1.0	172.0
1/09/2021 09:00	762.0	0.0	19.3	79.9	1.2	176.8
1/09/2021 10:00	761.9	0.0	21.0	74.0	1.4	182.4
1/09/2021 11:00	761.5	0.0	21.6	71.3	2.4	209.9
1/09/2021 12:00	761.1	0.0	20.4	76.4	3.4	231.2
1/09/2021 13:00	760.8	0.0	20.6	75.7	3.1	223.5
1/09/2021 14:00	760.3	0.0	20.2	76.1	3.3	226.7
1/09/2021 15:00	760.1	0.0	19.6	77.9	2.6	223.4
1/09/2021 16:00	760.2	0.0	19.1	79.6	2.4	229.8
1/09/2021 17:00	760.6	0.0	18.5	81.0	1.9	209.6
1/09/2021 18:00	761.2	0.0	18.9	77.5	1.2	179.5
1/09/2021 19:00	761.5	0.0	18.6	79.0	1.3	180.7
1/09/2021 20:00	762.2	0.0	18.3	81.3	0.9	174.1
1/09/2021 21:00	762.6	0.0	18.3	82.1	0.8	171.5
1/09/2021 22:00	762.9	0.0	18.3	82.4	0.7	159.8
1/09/2021 23:00						
2/09/2021 00:00	762.5	0.0	20.0	73.4	0.7	162.8
2/09/2021 01:00	761.6	0.0	20.2	72.3	0.8	163.0
2/09/2021 02:00	761.2	0.0	20.1	72.3	1.0	189.6
2/09/2021 03:00	760.8	0.0	20.2	72.2	0.8	188.3
2/09/2021 04:00	760.7	0.0	20.3	71.8	0.8	174.3
2/09/2021 05:00	760.6	0.0	19.9	73.8	0.8	146.9
2/09/2021 06:00	761.0	0.0	19.4	75.8	0.7	135.6
2/09/2021 07:00	761.4	0.0	19.6	76.3	0.7	121.8
2/09/2021 08:00	762.0	0.0	21.1	71.7	0.9	158.5
2/09/2021 09:00	762.2	0.0	23.2	65.3	0.9	159.1
2/09/2021 10:00	762.1	0.0	23.8	64.6	1.8	221.7
2/09/2021 11:00	761.7	0.0	24.2	63.2	2.2	224.2
2/09/2021 12:00	761.2	0.0	22.1	71.0	3.3	224.6
2/09/2021 13:00	760.7	0.0	20.3	78.1	3.1	221.9
2/09/2021 14:00	760.1	0.0	21.1	74.9	2.7	208.2
2/09/2021 15:00	759.5	0.0	21.6	70.8	2.3	179.1
2/09/2021 16:00	759.5	0.0	20.8	73.2	2.1	177.3
2/09/2021 17:00	759.8	0.0	19.8	76.8	1.8	182.0
2/09/2021 18:00	760.4	0.0	18.4	82.0	1.5	176.7
2/09/2021 19:00	760.8	0.0	17.7	85.5	1.8	180.2
2/09/2021 20:00	761.7	0.0	17.5	86.8	2.1	185.6
2/09/2021 21:00	762.0	0.0	17.4	87.7	1.9	179.5
2/09/2021 22:00	762.3	0.0	17.6	87.3	1.6	177.7
2/09/2021 23:00	762.2	0.0	17.7	86.2	1.2	180.8
3/09/2021 00:00	761.7	0.0	17.7	85.3	1.6	188.5
3/09/2021 01:00	761.1	0.0	17.8	83.6	1.7	182.3
3/09/2021 02:00	760.6	0.0	17.7	83.8	1.4	178.7
3/09/2021 03:00	760.2	0.0	17.6	84.4	1.1	98.9
3/09/2021 04:00	760.2	0.0	17.4	85.2	1.3	156.2
3/09/2021 05:00	760.4	0.0	17.3	85.6	1.6	190.7
3/09/2021 06:00	760.8	0.0	17.3	85.7	1.4	180.6
3/09/2021 07:00	761.2	0.0	17.8	84.2	1.4	184.0
3/09/2021 08:00	761.6	0.0	19.2	79.4	1.5	150.1
3/09/2021 09:00	762.0	0.0	20.7	74.4	1.6	178.3
3/09/2021 10:00	761.8	0.0	22.3	68.8	1.7	185.1
3/09/2021 11:00	761.5	0.0	23.2	65.9	2.4	184.7
3/09/2021 12:00	760.9	0.0	23.2	66.9	2.7	193.1
3/09/2021 13:00	760.3	0.0	23.1	67.5	2.7	193.3
3/09/2021 14:00	759.5	0.0	22.0	73.6	3.1	222.7
3/09/2021 15:00	759.0	0.0	21.0	77.6	3.2	220.8
3/09/2021 16:00	758.8	0.0	21.1	77.8	2.3	221.8
3/09/2021 17:00	759.1	0.0	20.5	78.6	1.9	199.4
3/09/2021 18:00	759.5	0.0	19.2	82.8	1.8	181.2
3/09/2021 19:00	760.1	0.0	18.8	84.7	1.4	180.2
3/09/2021 20:00	761.0	0.0	18.7	85.0	1.5	177.2
3/09/2021 21:00	761.4	0.0	18.6	84.7	1.9	182.2
3/09/2021 22:00	761.7	0.0	18.6	84.8	1.5	197.5
3/09/2021 23:00	761.4	0.0	18.5	85.0	1.7	178.8
4/09/2021 00:00	760.9	0.0	18.4	84.3	1.2	171.3
4/09/2021 01:00	760.6	0.0	18.5	82.4	1.1	134.7
4/09/2021 02:00	760.4	0.0	18.3	83.0	1.2	154.3
4/09/2021 03:00	759.9	0.0	17.8	84.7	1.1	131.0
4/09/2021 04:00	759.7	0.0	17.6	85.5	1.0	141.0
4/09/2021 05:00	760.0	0.0	17.5	85.8	0.8	138.9
4/09/2021 06:00	760.4	0.0	17.5	85.7	1.0	136.8
4/09/2021 07:00	760.7	0.0	18.1	84.0	1.1	145.4
4/09/2021 08:00	761.0	0.0	19.4	79.2	1.0	132.5
4/09/2021 09:00	761.2	0.0	21.1	73.9	1.1	182.3
4/09/2021 10:00	761.1	0.0	22.1	70.3	1.9	190.6
4/09/2021 11:00	760.8	0.0	22.8	67.9	2.4	191.3
4/09/2021 12:00	760.3	0.0	22.6	70.1	2.5	204.1
4/09/2021 13:00	759.9	0.0	21.8	73.7	3.1	222.0
4/09/2021 14:00	759.5	0.0	21.4	75.6	3.1	220.7
4/09/2021 15:00	759.4	0.0	21.0	76.1	2.8	220.9
4/09/2021 16:00	759.4	0.0	21.0	75.6	2.3	197.6
4/09/2021 17:00	759.8	0.0	20.6	76.1	2.0	186.0
4/09/2021 18:00	760.2	0.0	18.8	78.5	1.8	173.2
4/09/2021 19:00	760.4	0.0	19.2	82.6	2.2	181.7
4/09/2021 20:00	761.1	0.0	19.0	83.8	1.5	184.2
4/09/2021 21:00	761.7	0.0	19.0	83.5	1.1	170.5
4/09/2021 22:00	762.1	0.0	18.9	83.0	1.2	168.6
4/09/2021 23:00	762.2	0.0	19.0	80.3	1.4	187.0
5/09/2021 00:00	761.9	0.0	18.8	78.5	1.1	175.5
5/09/2021 01:00	761.4	0.0	18.4	78.7	1.1	184.8
5/09/2021 02:00	760.8	0.0	17.9	81.1	1.3	174.6
5/09/2021 03:00	760.5	0.0	17.6	82.4	1.2	180.8
5/09/2021 04:00	760.2	0.0	17.4	83.3	1.0	181.2
5/09/2021 05:00	760.2	0.0	17.2	83.7	0.9	164.1
5/09/2021 06:00	760.6	0.0	17.1	84.4	0.9	152.4
5/09/2021 07:00	761.2	0.0	17.8	82.9	1.0	128.4
5/09/2021 08:00	761.5	0.0	19.1	78.4	1.1	181.0

5	5/09/2021 09:00	761.6	0.0	20.7	73.0	1.2	173.9
	5/09/2021 10:00	761.3	0.0	22.5	66.9	1.6	160.1
	5/09/2021 11:00	760.8	0.0	23.8	63.6	2.1	181.5
	5/09/2021 12:00	760.3	0.0	23.7	65.7	2.5	191.4
	5/09/2021 13:00	759.5	0.0	23.3	69.0	2.4	219.1
	5/09/2021 14:00	758.1	0.0	22.7	71.8	2.5	218.2
	5/09/2021 15:00	758.8	0.0	21.6	75.7	2.6	206.9
	5/09/2021 16:00	758.7	0.0	21.4	76.1	2.1	191.5
	5/09/2021 17:00	759.0	0.0	20.7	77.3	2.1	187.1
	5/09/2021 18:00	759.7	0.0	19.8	81.0	1.3	178.5
	5/09/2021 19:00	760.6	0.0	19.3	83.2	1.1	180.1
	5/09/2021 20:00	761.1	0.0	19.3	84.1	1.2	176.3
	5/09/2021 21:00	761.8	0.0	19.3	84.6	1.5	173.1
	5/09/2021 22:00	761.7	0.0	19.2	81.5	1.2	181.6
	5/09/2021 23:00	761.8	0.0	19.1	77.6	1.5	132.1
	6/09/2021 00:00	761.3	0.0	18.8	77.7	1.2	129.2
	6/09/2021 01:00	760.8	0.0	18.4	79.1	1.4	182.0
	6/09/2021 02:00	760.6	0.0	18.1	80.6	1.0	179.4
	6/09/2021 03:00	760.7	0.0	17.8	81.7	1.0	173.8
	6/09/2021 04:00	760.8	0.0	17.5	83.0	1.2	131.0
	6/09/2021 05:00	761.2	0.0	17.4	83.1	1.9	129.8
	6/09/2021 06:00	761.7	0.0	17.5	82.7	1.6	128.3
	6/09/2021 07:00	762.4	0.0	17.8	82.0	1.3	121.9
	6/09/2021 08:00	762.6	0.0	18.5	80.1	0.9	141.4
6/09/2021 09:00	762.6	0.0	19.6	76.7	1.0	121.8	
6/09/2021 10:00	762.5	0.0	21.5	71.2	1.0	141.1	
6/09/2021 11:00	762.2	0.0	23.6	64.6	1.4	190.6	
6/09/2021 12:00	761.4	0.0	23.0	68.0	2.2	209.6	
6/09/2021 13:00	760.6	0.0	22.5	69.4	2.4	188.3	
6/09/2021 14:00	759.8	0.0	21.5	72.0	2.6	185.6	
6/09/2021 15:00	758.3	0.0	21.2	73.5	2.7	184.7	
6/09/2021 16:00	758.2	0.0	20.4	76.7	2.6	179.8	
6/09/2021 17:00	759.4	0.0	19.9	79.2	2.5	179.5	
6/09/2021 18:00	760.0	0.0	19.6	80.7	2.2	176.1	
6/09/2021 19:00	760.5	0.0	19.5	80.4	1.9	183.0	
6/09/2021 20:00	761.1	0.0	19.5	79.6	1.3	167.7	
6/09/2021 21:00	761.7	0.0	19.4	78.5	1.2	120.1	
6/09/2021 22:00	761.9	0.0	18.9	79.6	1.0	136.8	
6/09/2021 23:00	761.9	0.0	18.3	78.9	1.2	144.5	
7/09/2021 00:00	761.6	0.0	17.7	80.7	1.5	132.0	
7/09/2021 01:00	761.0	0.0	17.4	82.7	1.9	145.3	
7/09/2021 02:00	760.5	0.0	17.4	82.9	1.4	133.4	
7/09/2021 03:00	760.6	0.0	17.3	83.2	1.4	129.3	
7/09/2021 04:00	760.8	0.0	17.3	83.1	1.4	136.2	
7/09/2021 05:00	761.0	0.0	17.2	83.8	1.5	121.4	
7/09/2021 06:00	761.3	0.0	17.1	84.9	1.4	152.4	
7/09/2021 07:00	761.8	0.0	17.2	85.5	1.4	129.7	
7/09/2021 08:00	762.3	0.0	18.0	83.2	1.8	130.6	
7/09/2021 09:00	762.8	0.0	19.5	77.9	1.9	139.9	
7/09/2021 10:00	762.7	0.0	21.4	71.9	1.4	143.9	
7/09/2021 11:00	762.1	0.0	23.5	64.6	1.7	161.1	
7/09/2021 12:00	761.5	0.0	23.1	66.6	2.7	204.3	
7/09/2021 13:00	761.0	0.0	22.4	68.3	2.6	197.7	
7/09/2021 14:00	760.2	0.0	22.2	68.0	3.1	185.5	
7/09/2021 15:00	759.9	0.0	21.8	69.6	2.9	186.9	
7/09/2021 16:00	758.8	0.0	21.2	72.2	2.9	178.8	
7/09/2021 17:00	760.1	0.0	20.3	75.5	2.6	180.4	
7/09/2021 18:00	760.3	0.0	19.3	79.7	2.8	182.0	
7/09/2021 19:00	760.7	0.0	18.7	82.6	2.4	178.7	
7/09/2021 20:00	761.3	0.0	18.5	82.9	1.4	185.5	
7/09/2021 21:00	761.9	0.0	18.4	80.4	1.6	139.7	
7/09/2021 22:00	762.4	0.0	18.2	79.7	1.3	132.2	
7/09/2021 23:00	762.5	0.0	18.1	79.4	1.5	129.3	
8/09/2021 00:00	762.1	0.0	17.9	80.1	1.7	133.3	
8/09/2021 01:00	761.6	0.0	17.5	80.7	1.6	124.2	
8/09/2021 02:00	761.0	0.0	17.3	81.3	1.3	157.7	
8/09/2021 03:00	760.7	0.0	17.1	82.4	1.3	137.2	
8/09/2021 04:00	760.7	0.0	17.0	83.0	1.1	150.7	
8/09/2021 05:00	760.5	0.0	17.0	83.1	1.3	181.1	
8/09/2021 06:00	761.0	0.0	17.0	83.3	1.2	146.9	
8/09/2021 07:00	761.9	0.0	17.2	82.8	1.1	147.5	
8/09/2021 08:00	762.4	0.0	18.7	77.9	1.2	173.1	
8/09/2021 09:00	762.4	0.0	20.7	71.3	1.4	155.8	
8/09/2021 10:00	762.0	0.0	22.6	65.1	1.6	163.9	
8/09/2021 11:00	761.5	0.0	22.9	64.3	2.1	183.5	
8/09/2021 12:00	760.9	0.0	22.6	65.7	2.4	192.1	
8/09/2021 13:00	760.2	0.0	22.5	65.9	2.8	190.8	
8/09/2021 14:00	759.6	0.0	22.0	67.9	3.1	181.7	
8/09/2021 15:00	759.1	0.0	21.7	69.9	2.7	183.6	
8/09/2021 16:00	758.0	0.0	21.0	71.8	2.3	182.8	
8/09/2021 17:00	758.1	0.0	19.8	76.1	2.3	180.1	
8/09/2021 18:00	758.5	0.0	18.6	81.3	2.4	178.2	
8/09/2021 19:00	760.2	0.0	18.2	83.8	2.0	181.9	
8/09/2021 20:00	760.7	0.0	18.1	85.1	1.8	188.2	
8/09/2021 21:00	761.0	0.0	18.1	84.4	1.9	176.0	
8/09/2021 22:00	761.3	0.0	18.0	82.4	1.7	172.3	
8/09/2021 23:00	761.5	0.0	18.1	81.0	1.2	172.3	
9/09/2021 00:00	761.3	0.0	18.0	78.4	1.1	146.8	
9/09/2021 01:00	760.9	0.0	17.6	79.8	1.1	159.1	
9/09/2021 02:00	760.4	0.0	17.5	80.6	1.0	139.6	
9/09/2021 03:00	760.1	0.0	17.2	81.7	1.2	155.0	
9/09/2021 04:00	760.1	0.0	17.2	82.3	1.2	142.7	
9/09/2021 05:00	760.1	0.0	17.2	82.2	1.1	145.7	
9/09/2021 06:00	760.6	0.0	17.2	82.0	1.4	143.5	
9/09/2021 07:00	761.0	0.0	17.4	81.3	1.3	124.2	
9/09/2021 08:00	761.5	0.0	18.4	78.0	1.4	132.2	
9/09/2021 09:00	761.7	0.0	19.6	74.3	1.4	133.7	
9/09/2021 10:00	761.8	0.0	21.1	69.7	1.6	171.1	
9/09/2021 11:00	761.4	0.0	21.5	69.1	2.2	188.4	
9/09/2021 12:00	760.8	0.0	22.0	68.7	2.4	204.2	
9/09/2021 13:00	760.2	0.0	21.0	73.9	2.5	211.5	
9/09/2021 14:00	759.7	0.0	20.2	76.5	2.6	201.3	
9/09/2021 15:00	759.0	0.0	20.5	75.6	2.5	206.2	
9/09/2021 16:00	758.7	0.0	20.2	75.2	2.4	176.8	
9/09/2021 17:00	758.0	0.0	19.4	78.0	2.0	184.9	
9/09/2021 18:00	758.4	0.0	18.3	82.6	2.0	174.9	
9/09/2021 19:00	760.0	0.0	17.8	85.1	1.8	176.4	
9/09/2021 20:00	760.8	0.0	17.6	86.0	1.5	177.4	
9/09/2021 21:00	761.2	0.0	17.5	86.9	1.6	177.0	
9/09/2021 22:00	761.7	0.0	17.6	87.4	1.2	173.7	
9/09/2021 23:00	761.5	0.0	18.0	84.9	1.3	175.4	
10/09/2021 00:00	761.2	0.0	18.0	81.7	1.0	179.6	
10/09/2021 01:00	760.4	0.0	17.8	82.5	0.9	160.9	
10/09/2021 02:00	759.9	0.0	17.6	82.8	1.0	130.7	
10/09/2021 03:00	759.6	0.0	17.5	83.5	0.9	154.0	
10/09/2021 04:00	759.4	0.0	17.3	83.8	1.0	176.2	
10/09/2021 05:00	759.7	0.0	17.2	84.0	1.1	151.9	
10/09/2021 06:00	760.1	0.0	17.1	84.2	1.0	120.4	
10/09/2021 07:00	760.6	0.0	17.9	82.0	0.7	129.3	
10/09/2021 08:00	761.2	0.0	20.2	74.5	0.8	153.2	
10/09/2021 09:00	761.5	0.0	21.2	71.8	1.5	189.9	
10/09/2021 10:00	761.7	0.0	19.8	77.8	2.8	220.2	
10/09/2021 11:00	761.5	0.0	19.7	79.6	2.9	222.4	
10/09/2021 12:00	761.0	0.0	19.5	80.6	3.1	221.5	
10/09/2021 13:00	760.4	0.0	19.1	83.0	2.9	213.7	
10/09/2021 14:00	759.8	0.0	19.2	82.3	2.6	216.7	
10/09/2021 15:00	759.5	0.0	18.9	82.8	2.5	220.5	
10/09/2021 16:00	759.4	0.0	18.0	86.2	2.8	223.2	
10/09/2021 17:00	759.7	0.0	17.5	85.3	2.5	225.6	
10/09/2021 18:00	760.4	0.0	17.5	89.3	2.1	220.2	
10/09/2021 19:00	761.4	0.0	17.6	88.8	1.8	186.2	
10/09/2021 20:00	762.1	0.0	17.8	87.3	1.4	183.9	

11	10/09/2021 21:00	762.6	0.0	17.8	86.6	1.1	178.2
	10/09/2021 22:00	762.9	0.0	17.8	86.8	1.0	173.4
	10/09/2021 23:00	762.7	0.0	17.6	87.7	1.4	188.2
	11/09/2021 00:00	762.6	0.0	17.8	87.2	0.8	178.1
	11/09/2021 01:00	761.9	0.0	17.9	87.4	1.3	176.6
	11/09/2021 02:00	761.4	0.0	18.1	86.6	1.1	177.5
	11/09/2021 03:00	761.1	0.0	18.3	85.6	1.2	176.8
	11/09/2021 04:00	760.9	0.0	18.6	82.8	1.3	184.3
	11/09/2021 05:00	761.3	0.0	18.9	80.5	1.1	177.7
	11/09/2021 06:00	761.4	0.0	18.8	80.4	1.0	168.3
	11/09/2021 07:00	761.9	0.0	19.0	81.2	1.2	162.4
	11/09/2021 08:00	762.5	0.0	20.0	77.2	1.1	136.6
	11/09/2021 09:00	762.8	0.0	21.2	73.2	1.1	125.3
	11/09/2021 10:00	762.7	0.0	23.0	67.7	1.2	173.4
	11/09/2021 11:00	762.0	0.0	24.9	62.2	2.4	212.1
	11/09/2021 12:00	761.5	0.0	24.0	65.3	2.8	211.2
	11/09/2021 13:00	761.0	0.0	23.2	66.0	2.3	184.0
	11/09/2021 14:00	760.4	0.0	22.5	69.5	2.2	202.4
	11/09/2021 15:00	760.1	0.0	20.6	76.7	2.0	221.5
	11/09/2021 16:00	760.4	0.0	19.5	80.5	2.8	186.5
	11/09/2021 17:00	760.8	0.0	18.7	84.1	2.2	184.7
	11/09/2021 18:00	761.3	0.0	17.9	87.0	2.2	183.7
	11/09/2021 19:00	761.8	0.0	17.6	88.1	1.9	176.4
11/09/2021 20:00	762.6	0.0	17.5	88.8	1.9	184.6	
11/09/2021 21:00	763.0	0.0	17.4	89.3	2.1	182.6	
11/09/2021 22:00	763.2	0.0	17.4	89.6	1.7	179.2	
11/09/2021 23:00	763.2	0.0	17.7	88.6	0.9	170.8	
12	12/09/2021 00:00	762.8	0.0	17.8	87.0	1.1	169.2
	12/09/2021 01:00	762.2	0.0	17.8	85.1	1.0	151.9
	12/09/2021 02:00	761.5	0.0	17.6	85.3	1.1	132.4
	12/09/2021 03:00	761.0	0.0	17.7	84.8	1.5	140.5
	12/09/2021 04:00	760.9	0.0	17.6	84.3	1.4	133.3
	12/09/2021 05:00	760.9	0.0	17.6	84.1	1.7	120.9
	12/09/2021 06:00	761.1	0.0	17.6	83.8	2.0	126.9
	12/09/2021 07:00	761.6	0.0	18.0	82.5	2.2	123.1
	12/09/2021 08:00	762.1	0.0	18.7	79.7	1.9	120.7
	12/09/2021 09:00	762.5	0.0	20.5	74.0	1.3	133.8
	12/09/2021 10:00	762.4	0.0	22.2	68.4	1.6	179.8
	12/09/2021 11:00	762.2	0.0	21.9	69.2	2.2	190.9
	12/09/2021 12:00	761.6	0.0	22.1	69.4	2.5	212.2
	12/09/2021 13:00	761.1	0.0	20.9	77.3	2.8	220.5
	12/09/2021 14:00	760.8	0.0	20.4	77.2	2.7	223.0
	12/09/2021 15:00	760.4	0.0	20.9	73.9	2.1	184.5
	12/09/2021 16:00	760.5	0.0	20.0	76.8	2.4	194.5
	12/09/2021 17:00	761.2	0.0	19.1	80.4	2.2	181.8
	12/09/2021 18:00	761.8	0.0	18.1	84.6	1.9	183.1
	12/09/2021 19:00	762.5	0.0	17.7	86.5	1.4	169.4
	12/09/2021 20:00	762.9	0.0	17.6	87.2	1.2	167.1
	12/09/2021 21:00	763.4	0.0	17.6	87.3	1.4	178.0
	12/09/2021 22:00	763.8	0.0	17.8	87.6	1.2	180.3
12/09/2021 23:00	763.7	0.0	17.8	87.7	1.3	174.0	
13	13/09/2021 00:00	763.5	0.0	17.7	88.1	1.2	183.6
	13/09/2021 01:00	762.9	0.0	18.0	86.0	1.4	176.5
	13/09/2021 02:00	762.7	0.0	18.1	83.1	0.9	161.5
	13/09/2021 03:00	762.7	0.0	18.0	83.7	1.2	184.4
	13/09/2021 04:00	762.7	0.0	17.7	85.6	1.0	170.1
	13/09/2021 05:00	762.9	0.0	17.7	84.3	0.8	175.0
	13/09/2021 06:00	763.2	0.0	17.7	83.7	0.9	155.7
	13/09/2021 07:00	763.8	0.0	18.1	82.5	1.3	133.1
	13/09/2021 08:00	764.0	0.0	19.3	78.0	1.2	140.7
	13/09/2021 09:00	764.0	0.0	20.7	72.9	1.3	142.5
	13/09/2021 10:00	763.8	0.0	21.7	69.9	1.5	168.5
	13/09/2021 11:00	762.9	0.0	23.4	64.5	1.6	170.9
	13/09/2021 12:00	762.3	0.0	22.7	66.2	2.4	195.6
	13/09/2021 13:00	761.8	0.0	22.3	67.8	2.8	187.4
	13/09/2021 14:00	761.0	0.0	21.8	70.6	2.4	209.5
	13/09/2021 15:00	760.8	0.0	21.0	73.2	2.3	204.5
	13/09/2021 16:00	761.0	0.0	20.3	74.4	2.8	183.1
	13/09/2021 17:00	761.3	0.0	19.3	78.4	2.8	184.7
	13/09/2021 18:00	761.7	0.0	18.2	83.3	2.1	177.2
	13/09/2021 19:00	762.2	0.0	17.8	85.2	2.1	178.8
	13/09/2021 20:00	762.8	0.0	17.7	86.6	1.9	177.3
	13/09/2021 21:00	763.4	0.0	17.6	86.8	1.4	177.4
	13/09/2021 22:00	763.7	0.0	17.8	85.6	1.0	180.8
13/09/2021 23:00							
14	14/09/2021 00:00	763.1	0.0	18.0	80.2	1.3	138.8
	14/09/2021 01:00	762.6	0.0	17.6	82.0	1.3	128.6
	14/09/2021 02:00	762.4	0.0	17.4	82.6	1.0	148.9
	14/09/2021 03:00	762.2	0.0	17.1	82.8	1.0	146.6
	14/09/2021 04:00	762.3	0.0	16.9	83.2	1.0	151.3
	14/09/2021 05:00	762.8	0.0	16.8	83.7	0.8	149.9
	14/09/2021 06:00	762.7	0.0	16.7	84.3	0.7	151.6
	14/09/2021 07:00	763.0	0.0	17.4	82.4	1.1	143.9
	14/09/2021 08:00	763.5	0.0	18.8	77.5	1.1	135.1
	14/09/2021 09:00	763.6	0.0	20.7	71.9	1.2	158.5
	14/09/2021 10:00	763.4	0.0	21.9	67.8	1.7	182.2
	14/09/2021 11:00	762.8	0.0	22.3	66.6	2.2	193.1
	14/09/2021 12:00	762.0	0.0	22.9	63.8	2.2	192.9
	14/09/2021 13:00	761.3	0.0	21.8	69.1	3.2	233.6
	14/09/2021 14:00	760.9	0.0	20.4	75.5	3.1	232.7
	14/09/2021 15:00	760.6	0.0	20.0	77.3	2.5	208.8
	14/09/2021 16:00	760.5	0.0	20.2	75.7	2.1	186.4
	14/09/2021 17:00	760.7	0.0	19.5	77.2	1.7	181.3
	14/09/2021 18:00	761.3	0.0	18.2	82.0	1.6	176.1
	14/09/2021 19:00	761.7	0.0	17.5	85.7	1.9	175.6
	14/09/2021 20:00	762.2	0.0	17.4	86.8	1.8	173.3
	14/09/2021 21:00	762.6	0.0	17.3	86.9	1.6	170.6
	14/09/2021 22:00	763.0	0.0	17.4	87.2	1.3	179.1
14/09/2021 23:00	762.8	0.0	17.6	86.1	1.2	150.4	
15	15/09/2021 00:00	762.6	0.0	18.0	82.1	1.0	151.1
	15/09/2021 01:00	762.2	0.0	17.7	83.0	0.9	136.5
	15/09/2021 02:00	761.8	0.0	17.5	83.9	1.2	173.1
	15/09/2021 03:00	761.5	0.0	17.3	84.5	1.2	195.9
	15/09/2021 04:00	761.3	0.0	17.2	84.7	1.1	163.9
	15/09/2021 05:00	761.4	0.0	17.0	85.0	1.0	157.4
	15/09/2021 06:00	761.7	0.0	17.1	84.6	1.1	147.5
	15/09/2021 07:00	762.0	0.0	18.0	81.4	1.2	153.1
	15/09/2021 08:00	762.5	0.0	19.2	77.0	1.4	124.6
	15/09/2021 09:00	762.8	0.0	20.6	72.3	1.5	159.8
	15/09/2021 10:00	762.5	0.0	22.3	66.4	1.8	163.3
	15/09/2021 11:00	762.0	0.0	22.5	65.7	2.4	183.3
	15/09/2021 12:00	761.2	0.0	22.4	65.7	2.9	193.6
	15/09/2021 13:00	760.4	0.0	22.4	65.2	3.2	184.8
	15/09/2021 14:00	759.9	0.0	21.9	68.1	2.9	192.0
	15/09/2021 15:00	759.4	0.0	21.3	70.7	2.1	197.3
	15/09/2021 16:00	759.4	0.0	20.3	73.5	2.6	191.0
	15/09/2021 17:00	760.8	0.0	18.3	77.6	2.1	178.3
	15/09/2021 18:00	760.2	0.0	18.1	82.5	1.5	180.7
	15/09/2021 19:00	761.0	0.0	17.4	86.0	1.8	178.3
	15/09/2021 20:00	761.4	0.0	17.3	86.7	1.6	180.4
	15/09/2021 21:00	761.8	0.0	17.5	86.0	1.2	175.8
	15/09/2021 22:00	762.3	0.0	17.4	86.2	1.0	166.8
15/09/2021 23:00							
16	16/09/2021 00:00	762.5	0.0	17.9	82.5	1.1	134.7
	16/09/2021 01:00	762.1	0.0	17.7	82.5	0.8	143.3
	16/09/2021 02:00	761.6	0.0	17.5	83.1	0.8	165.5
	16/09/2021 03:00	761.2	0.0	17.3	83.8	0.8	166.2
	16/09/2021 04:00	761.0	0.0	17.1	84.0	0.9	141.9
	16/09/2021 05:00	761.0	0.0	17.1	84.0	1.0	129.5
	16/09/2021 06:00	761.5	0.0	17.1	84.3	1.1	136.9
	16/09/2021 07:00	762.1	0.0	17.7	82.2	1.2	125.7
16/09/2021 08:00	762.4	0.0	19.1	77.2	1.3	166.2	

16	16/09/2021 09:00	762.3	0.0	20.5	72.2	1.3	150.9
	16/09/2021 10:00	762.0	0.0	21.9	67.8	2.0	177.4
	16/09/2021 11:00	761.8	0.0	22.1	67.3	2.5	187.2
	16/09/2021 12:00	761.1	0.0	22.2	67.9	2.7	214.0
	16/09/2021 13:00	760.1	0.0	21.7	69.6	2.8	211.8
	16/09/2021 14:00	759.4	0.0	20.3	74.9	2.9	214.9
	16/09/2021 15:00	759.1	0.0	19.5	79.0	2.9	220.0
	16/09/2021 16:00	759.1	0.0	20.2	76.4	2.0	217.4
	16/09/2021 17:00	759.7	0.0	19.4	77.5	2.2	185.1
	16/09/2021 18:00	760.5	0.0	18.1	83.0	1.8	175.1
	16/09/2021 19:00	761.1	0.0	17.7	85.5	1.4	181.3
	16/09/2021 20:00	761.5	0.0	17.6	85.7	1.2	180.8
	16/09/2021 21:00	761.8	0.0	17.5	86.3	1.3	179.2
	16/09/2021 22:00	762.1	0.0	17.4	86.6	0.7	139.5
	16/09/2021 23:00	762.1	0.0	17.5	86.3	0.9	164.6
	17/09/2021 00:00	761.8	0.0	17.3	87.0	1.1	175.3
	17/09/2021 01:00	761.1	0.0	17.4	85.3	0.7	142.8
	17/09/2021 02:00	760.6	0.0	17.4	83.2	0.9	162.4
	17/09/2021 03:00	760.5	0.0	17.0	85.8	0.6	164.0
	17/09/2021 04:00	760.5	0.0	16.5	88.3	1.0	177.5
	17/09/2021 05:00	760.6	0.0	16.3	87.9	0.9	143.6
	17/09/2021 06:00	760.9	0.0	16.4	86.7	1.2	125.2
	17/09/2021 07:00	761.5	0.0	17.2	84.2	1.3	115.9
	17/09/2021 08:00	761.9	0.0	18.6	79.6	1.2	122.7
17/09/2021 09:00	762.0	0.0	20.4	74.0	1.3	165.7	
17/09/2021 10:00	761.6	0.0	22.8	66.7	1.3	179.9	
17/09/2021 11:00	761.2	0.0	20.3	76.0	3.3	219.8	
17/09/2021 12:00	760.5	0.0	20.1	76.9	3.2	227.1	
17/09/2021 13:00	760.0	0.0	19.7	78.0	3.2	223.7	
17/09/2021 14:00	759.6	0.0	19.2	80.9	2.9	216.8	
17/09/2021 15:00	758.5	0.0	18.8	82.6	2.7	213.2	
17/09/2021 16:00	759.4	0.0	18.9	81.0	2.3	205.9	
17/09/2021 17:00	759.7	0.0	18.9	80.1	2.0	194.3	
17/09/2021 18:00	760.5	0.0	17.6	85.4	1.8	182.8	
17/09/2021 19:00	761.6	0.0	17.2	87.5	1.6	177.4	
17/09/2021 20:00	762.5	0.0	17.2	87.4	1.1	172.0	
17/09/2021 21:00	762.8	0.0	17.2	87.8	1.2	164.0	
17/09/2021 22:00	763.0	0.0	17.1	88.0	1.6	183.9	
17/09/2021 23:00	762.8	0.0	17.0	88.4	1.3	182.2	
18/09/2021 00:00	762.4	0.0	17.1	87.7	0.9	186.1	
18/09/2021 01:00	761.6	0.0	17.1	87.2	0.5	168.5	
18/09/2021 02:00	761.1	0.0	17.1	86.5	0.8	172.9	
18/09/2021 03:00	760.9	0.0	17.0	87.0	1.5	184.0	
18/09/2021 04:00	760.9	0.0	17.2	86.8	1.4	177.8	
18/09/2021 05:00	761.1	0.0	17.4	86.1	1.4	177.5	
18/09/2021 06:00	761.5	0.0	17.3	86.5	1.4	177.9	
18/09/2021 07:00	762.0	0.0	17.7	84.8	1.6	169.4	
18/09/2021 08:00	762.5	0.0	18.9	79.5	1.3	157.2	
18/09/2021 09:00	762.5	0.0	20.0	74.8	1.6	161.2	
18/09/2021 10:00	762.3	0.0	20.7	72.6	2.0	177.5	
18/09/2021 11:00	762.0	0.0	21.8	69.4	2.1	185.2	
18/09/2021 12:00	761.4	0.0	21.4	72.7	3.1	217.4	
18/09/2021 13:00	760.5	0.0	21.0	76.2	3.2	225.9	
18/09/2021 14:00	759.9	0.0	21.4	75.2	2.7	208.7	
18/09/2021 15:00	759.7	0.0	21.1	74.4	2.5	209.7	
18/09/2021 16:00	759.9	0.0	20.7	75.4	2.4	192.5	
18/09/2021 17:00	760.2	0.0	19.9	78.2	2.4	186.6	
18/09/2021 18:00	760.8	0.0	19.2	81.2	1.8	180.9	
18/09/2021 19:00	761.5	0.0	18.8	83.0	1.9	183.4	
18/09/2021 20:00	762.2	0.0	18.7	83.3	1.6	178.4	
18/09/2021 21:00	762.5	0.0	18.6	83.4	1.3	159.0	
18/09/2021 22:00	762.7	0.0	18.0	83.7	1.2	179.4	
18/09/2021 23:00	762.4	0.0	18.0	83.6	1.2	167.4	
19/09/2021 00:00	762.2	0.0	17.9	81.7	1.3	146.6	
19/09/2021 01:00	761.8	0.0	17.8	81.6	1.4	137.8	
19/09/2021 02:00	761.2	0.0	17.6	82.2	1.3	143.0	
19/09/2021 03:00	760.7	0.0	17.5	82.9	1.1	129.5	
19/09/2021 04:00	760.4	0.0	17.3	83.2	0.9	163.4	
19/09/2021 05:00	760.4	0.0	17.0	83.7	1.1	136.5	
19/09/2021 06:00	760.7	0.0	16.9	84.0	1.0	117.2	
19/09/2021 07:00	761.2	0.0	17.7	81.5	1.2	150.5	
19/09/2021 08:00	761.5	0.0	19.3	76.1	1.3	146.0	
19/09/2021 09:00	761.5	0.0	21.0	70.6	1.5	134.1	
19/09/2021 10:00	761.3	0.0	22.9	64.1	1.7	169.5	
19/09/2021 11:00	760.9	0.0	22.8	66.1	2.4	190.4	
19/09/2021 12:00	760.3	0.0	22.5	68.4	2.4	204.6	
19/09/2021 13:00	759.7	0.0	22.4	69.7	2.4	199.0	
19/09/2021 14:00	759.1	0.0	22.0	71.6	2.4	211.4	
19/09/2021 15:00	758.6	0.0	21.5	71.8	2.8	193.3	
19/09/2021 16:00	758.7	0.0	20.9	73.6	2.2	194.7	
19/09/2021 17:00	759.1	0.0	20.0	77.0	2.9	181.7	
19/09/2021 18:00	759.7	0.0	18.9	81.9	2.1	183.8	
19/09/2021 19:00	760.3	0.0	18.5	84.3	2.2	180.3	
19/09/2021 20:00	760.7	0.0	18.4	84.0	1.6	176.9	
19/09/2021 21:00	761.3	0.0	18.3	83.3	1.4	171.1	
19/09/2021 22:00	761.5	0.0	18.2	82.6	1.8	187.6	
19/09/2021 23:00	761.5	0.0	18.1	80.7	1.3	153.0	
20/09/2021 00:00	761.0	0.0	17.8	81.0	1.1	149.8	
20/09/2021 01:00	760.3	0.0	17.4	82.1	1.4	132.0	
20/09/2021 02:00	759.9	0.0	17.4	82.0	1.3	147.9	
20/09/2021 03:00	759.6	0.0	17.2	82.2	1.4	126.5	
20/09/2021 04:00	759.5	0.0	17.1	81.8	1.3	151.1	
20/09/2021 05:00	758.8	0.0	17.0	82.2	1.0	145.6	
20/09/2021 06:00	760.2	0.0	17.0	82.3	1.0	141.3	
20/09/2021 07:00	760.7	0.0	17.8	79.7	1.5	130.0	
20/09/2021 08:00	761.2	0.0	19.2	74.6	1.5	141.8	
20/09/2021 09:00	761.5	0.0	20.7	69.0	1.6	147.0	
20/09/2021 10:00	761.3	0.0	22.3	63.4	1.9	175.0	
20/09/2021 11:00	761.0	0.0	22.2	66.0	2.6	180.9	
20/09/2021 12:00	760.4	0.0	22.4	66.0	2.6	192.4	
20/09/2021 13:00	759.7	0.0	22.6	66.0	2.4	186.8	
20/09/2021 14:00	759.0	0.0	22.2	68.2	2.7	188.9	
20/09/2021 15:00	758.7	0.0	21.5	70.8	2.7	188.1	
20/09/2021 16:00	758.7	0.0	21.1	71.7	2.7	186.8	
20/09/2021 17:00	758.2	0.0	20.4	74.7	2.3	182.7	
20/09/2021 18:00	759.7	0.0	19.6	79.1	2.2	178.0	
20/09/2021 19:00	760.4	0.0	18.8	83.1	1.8	177.2	
20/09/2021 20:00	761.1	0.0	18.8	83.5	2.0	182.6	
20/09/2021 21:00	761.6	0.0	18.7	83.9	1.8	175.0	
20/09/2021 22:00	762.0	0.0	18.7	84.0	0.9	154.6	
20/09/2021 23:00	762.2	0.0	18.8	81.4	0.8	154.3	
21/09/2021 00:00	761.5	0.0	19.4	74.8	0.9	174.6	
21/09/2021 01:00	760.7	0.0	18.9	75.9	1.1	153.8	
21/09/2021 02:00	760.2	0.0	18.5	78.2	1.0	178.6	
21/09/2021 03:00	759.9	0.0	18.1	79.7	1.0	167.7	
21/09/2021 04:00	759.6	0.0	17.7	81.8	1.2	131.7	
21/09/2021 05:00	759.6	0.0	17.3	83.0	1.0	124.7	
21/09/2021 06:00	760.3	0.0	17.2	83.6	0.8	158.5	
21/09/2021 07:00	761.0	0.0	17.3	83.3	0.9	137.8	
21/09/2021 08:00	761.7	0.0	18.7	78.6	1.4	144.0	
21/09/2021 09:00	761.9	0.0	20.8	71.9	1.2	157.3	
21/09/2021 10:00	761.6	0.0	22.5	66.6	1.9	173.1	
21/09/2021 11:00	761.5	0.0	22.7	67.9	2.1	200.6	
21/09/2021 12:00	761.1	0.0	22.3	69.5	2.6	198.1	
21/09/2021 13:00	760.5	0.0	21.9	70.2	3.1	180.5	
21/09/2021 14:00	759.5	0.0	22.3	69.0	2.8	181.2	
21/09/2021 15:00	759.0	0.0	22.1	69.8	3.1	186.1	
21/09/2021 16:00	759.0	0.0	21.5	72.3	3.3	182.6	
21/09/2021 17:00	759.4	0.0	20.6	75.6	3.6	178.9	
21/09/2021 18:00	760.0	0.0	19.9	79.0	2.4	182.8	
21/09/2021 19:00	760.5	0.0	19.6	80.6	2.2	172.7	
21/09/2021 20:00	761.3	0.0	19.8	79.7	1.4	172.5	

22	21/09/2021 21:00	761.9	0.0	20.1	77.8	1.3	177.6
	21/09/2021 22:00	762.2	0.0	19.6	80.2	1.3	182.9
	21/09/2021 23:00	762.5	0.0	19.2	83.3	1.1	181.8
	22/09/2021 00:00	762.0	0.0	19.2	79.5	1.0	166.7
	22/09/2021 01:00	761.6	0.0	19.2	76.9	1.1	160.1
	22/09/2021 02:00	761.2	0.0	18.7	75.7	1.1	151.3
	22/09/2021 03:00	760.9	0.0	18.4	79.8	1.0	157.0
	22/09/2021 04:00	760.9	0.0	18.2	80.7	1.2	124.3
	22/09/2021 05:00	761.2	0.0	18.0	82.1	1.3	130.3
	22/09/2021 06:00	761.6	0.0	17.7	83.3	1.2	137.0
	22/09/2021 07:00						
	22/09/2021 08:00						
	22/09/2021 09:00						
	22/09/2021 10:00	761.7	0.0	21.4	70.3	1.7	136.4
	22/09/2021 11:00	761.0	0.0	22.9	64.5	1.8	122.6
	22/09/2021 12:00	759.8	0.0	25.3	57.2	1.8	177.4
	22/09/2021 13:00	758.7	0.0	25.9	56.5	2.5	186.8
	22/09/2021 14:00	758.1	0.0	25.8	56.7	2.7	185.1
	22/09/2021 15:00	757.6	0.0	24.5	60.3	2.8	190.4
	22/09/2021 16:00	757.6	0.0	22.2	69.2	3.2	182.9
	22/09/2021 17:00	758.1	0.0	20.4	75.4	2.4	183.8
	22/09/2021 18:00	758.7	0.0	18.8	82.0	1.6	179.0
	22/09/2021 19:00	759.6	0.0	18.1	85.4	1.2	167.2
	22/09/2021 20:00	760.3	0.0	17.8	86.6	1.7	183.4
22/09/2021 21:00	761.0	0.0	17.6	87.8	1.5	179.8	
22/09/2021 22:00	761.4	0.0	17.6	87.8	1.3	176.4	
22/09/2021 23:00	761.5	0.0	17.5	87.1	1.0	162.4	
23	23/09/2021 00:00	761.4	0.0	17.4	85.4	1.0	152.1
	23/09/2021 01:00	760.9	0.0	17.4	83.6	1.4	124.7
	23/09/2021 02:00	760.0	0.0	17.2	84.7	1.9	126.3
	23/09/2021 03:00	759.8	0.0	17.0	85.2	1.5	127.7
	23/09/2021 04:00	759.5	0.0	16.9	85.7	0.9	152.8
	23/09/2021 05:00	759.5	0.0	17.1	84.9	1.3	136.0
	23/09/2021 06:00	760.0	0.0	17.5	83.4	1.0	182.3
	23/09/2021 07:00	760.6	0.0	18.0	82.1	0.8	159.3
	23/09/2021 08:00	761.1	0.0	18.8	79.3	0.8	137.7
	23/09/2021 09:00	761.4	0.0	20.7	73.4	0.8	170.9
	23/09/2021 10:00	761.2	0.0	21.6	71.7	2.2	221.9
	23/09/2021 11:00	760.6	0.0	20.5	76.8	2.8	223.4
	23/09/2021 12:00	760.0	0.0	20.2	78.3	3.1	228.3
	23/09/2021 13:00	759.4	0.0	20.3	77.8	2.9	224.8
	23/09/2021 14:00	758.5	0.0	20.2	78.2	3.0	222.0
	23/09/2021 15:00	758.7	0.0	20.0	79.9	2.8	219.8
	23/09/2021 16:00	758.7	0.0	20.1	78.3	2.1	215.7
	23/09/2021 17:00	758.7	0.0	19.3	80.7	1.8	190.6
	23/09/2021 18:00	759.3	0.0	18.4	83.6	1.2	164.0
	23/09/2021 19:00	759.7	0.0	17.9	86.5	1.5	181.7
	23/09/2021 20:00	760.2	0.0	17.6	87.8	1.0	149.4
	23/09/2021 21:00	760.6	0.0	17.8	87.0	1.2	168.9
	23/09/2021 22:00	760.9	0.0	17.8	86.9	1.1	182.8
	23/09/2021 23:00	761.0	0.0	17.9	86.9	1.0	170.3
24	24/09/2021 00:00	760.7	0.0	18.2	83.0	1.2	142.2
	24/09/2021 01:00	760.4	0.0	18.3	80.1	1.8	120.1
	24/09/2021 02:00	760.1	0.0	18.2	80.0	1.5	120.2
	24/09/2021 03:00	760.2	0.0	17.9	80.9	1.2	125.3
	24/09/2021 04:00	760.2	0.0	17.6	81.9	1.0	111.4
	24/09/2021 05:00	760.3	0.0	17.6	82.1	0.7	137.7
	24/09/2021 06:00	760.6	0.0	17.6	82.0	0.5	148.9
	24/09/2021 07:00	761.0	0.0	18.3	79.6	0.8	119.9
	24/09/2021 08:00	761.3	0.0	20.8	72.4	0.8	158.7
	24/09/2021 09:00	761.3	0.0	23.0	65.9	1.4	210.2
	24/09/2021 10:00	761.0	0.0	20.7	75.9	3.2	230.7
	24/09/2021 11:00	760.5	0.0	20.8	76.6	2.9	222.1
	24/09/2021 12:00	760.0	0.0	20.4	78.3	3.1	222.4
	24/09/2021 13:00	759.4	0.0	19.5	81.6	3.2	220.3
	24/09/2021 14:00	758.8	0.0	19.5	81.6	2.4	220.8
	24/09/2021 15:00	758.6	0.0	19.3	82.0	2.6	218.7
	24/09/2021 16:00	758.5	0.0	18.7	84.3	2.6	218.0
	24/09/2021 17:00	758.9	0.0	18.4	84.5	1.7	193.9
	24/09/2021 18:00	759.4	0.0	18.1	85.1	1.3	176.9
	24/09/2021 19:00	760.2	0.0	18.1	85.1	1.5	174.9
	24/09/2021 20:00	760.8	0.0	17.9	86.2	1.3	171.9
	24/09/2021 21:00	761.0	0.0	17.7	87.0	1.2	182.2
	24/09/2021 22:00	761.3	0.0	17.6	87.4	1.3	185.5
	24/09/2021 23:00	761.4	0.0	17.6	88.1	0.5	175.6
25	25/09/2021 00:00	761.2	0.0	17.6	88.3	0.4	150.4
	25/09/2021 01:00	760.8	0.0	17.6	88.1	0.4	159.1
	25/09/2021 02:00	760.4	0.0	17.5	85.2	0.6	161.6
	25/09/2021 03:00	760.0	0.0	17.6	84.6	0.9	161.8
	25/09/2021 04:00	760.0	0.0	17.4	85.7	1.0	179.2
	25/09/2021 05:00	760.0	0.0	17.1	88.2	1.0	189.4
	25/09/2021 06:00	760.5	0.0	17.0	88.9	1.0	169.5
	25/09/2021 07:00	761.0	0.0	17.1	87.0	0.9	141.1
	25/09/2021 08:00	761.5	0.0	18.1	83.8	1.2	177.0
	25/09/2021 09:00	761.5	0.0	19.5	79.8	1.5	159.0
	25/09/2021 10:00	761.3	0.0	20.5	77.0	1.6	164.9
	25/09/2021 11:00	760.8	0.0	21.9	72.3	2.1	177.3
	25/09/2021 12:00	760.0	0.0	22.2	69.6	2.7	186.4
	25/09/2021 13:00	759.2	0.0	22.1	69.4	2.7	198.0
	25/09/2021 14:00	758.5	0.0	21.9	70.5	2.4	208.7
	25/09/2021 15:00	758.1	0.0	20.5	75.6	2.5	211.6
	25/09/2021 16:00	758.1	0.0	20.4	75.0	2.1	198.8
	25/09/2021 17:00	758.5	0.0	19.3	78.5	2.7	180.7
	25/09/2021 18:00	759.0	0.0	18.4	83.4	1.9	180.1
	25/09/2021 19:00	759.9	0.0	17.9	86.8	1.5	181.7
	25/09/2021 20:00	760.8	0.0	17.6	88.2	1.5	182.7
	25/09/2021 21:00	761.1	0.0	17.3	89.5	1.9	179.1
	25/09/2021 22:00	761.6	0.0	17.2	89.9	1.4	164.2
	25/09/2021 23:00	761.7	0.0	17.2	89.8	1.6	181.1
26	26/09/2021 00:00	761.4	0.0	17.4	89.6	1.7	173.1
	26/09/2021 01:00	760.7	0.0	17.7	87.4	1.1	183.4
	26/09/2021 02:00	760.3	0.0	17.9	85.0	1.1	165.0
	26/09/2021 03:00	760.0	0.0	17.8	85.3	1.1	163.8
	26/09/2021 04:00	760.2	0.0	17.4	86.7	1.5	137.8
	26/09/2021 05:00	760.3	0.0	17.1	87.4	1.2	123.8
	26/09/2021 06:00	761.0	0.0	17.2	87.1	1.1	141.5
	26/09/2021 07:00	761.4	0.0	17.7	85.6	1.1	140.5
	26/09/2021 08:00	762.0	0.0	19.3	80.4	1.0	135.6
	26/09/2021 09:00	762.0	0.0	21.0	74.0	1.1	178.0
	26/09/2021 10:00	761.7	0.0	20.7	75.8	2.4	228.0
	26/09/2021 11:00	761.4	0.0	20.0	77.2	3.0	223.0
26/09/2021 12:00	761.0	0.0	19.5	79.2	3.1	221.4	
26/09/2021 13:00	760.7	0.0	19.3	80.5	3.0	220.6	
26/09/2021 14:00	760.4	0.0	19.4	80.1	2.7	224.4	
26/09/2021 15:00	759.9	0.0	19.2	81.3	2.4	224.7	
26/09/2021 16:00	759.8	0.0	19.3	80.8	2.0	216.0	
26/09/2021 17:00	760.1	0.0	19.6	81.7	2.0	190.2	
26/09/2021 18:00	760.5	0.0	17.8	85.6	1.7	174.9	
26/09/2021 19:00	761.1	0.0	17.5	87.2	1.3	165.3	

27	26/09/2021 20:00	761.5	0.0	17.3	88.3	1.2	159.8
	26/09/2021 21:00	761.9	0.0	17.2	89.1	1.1	162.3
	26/09/2021 22:00	762.3	0.0	17.1	89.6	1.0	172.0
	26/09/2021 23:00	762.3	0.0	17.3	89.3	1.3	182.5
	27/09/2021 00:00	761.9	0.0	17.7	86.8	1.2	181.3
	27/09/2021 01:00	761.6	0.0	17.7	83.9	0.9	152.7
	27/09/2021 02:00	761.3	0.0	17.5	83.2	0.9	167.3
	27/09/2021 03:00	761.0	0.0	17.2	83.7	0.9	134.9
	27/09/2021 04:00	761.0	0.0	17.0	84.3	0.7	160.6
	27/09/2021 05:00	761.1	0.0	16.9	84.5	0.8	166.5
	27/09/2021 06:00	761.4	0.0	16.9	85.0	0.8	167.6
	27/09/2021 07:00	761.9	0.0	17.6	83.1	1.1	143.9
	27/09/2021 08:00	762.3	0.0	19.0	78.2	1.3	173.3
	27/09/2021 09:00	762.4	0.0	21.0	72.4	1.3	182.5
	27/09/2021 10:00	762.2	0.0	22.6	66.9	1.3	176.3
	27/09/2021 11:00	761.4	0.0	22.0	70.8	2.6	226.8
	27/09/2021 12:00	760.8	0.0	20.0	78.4	3.3	225.1
	27/09/2021 13:00	760.0	0.0	19.9	79.3	3.3	224.9
	27/09/2021 14:00	759.3	0.0	19.6	80.4	2.9	221.4
	27/09/2021 15:00	758.9	0.0	19.7	80.0	2.9	225.0
	27/09/2021 16:00	759.0	0.0	20.4	75.5	2.3	194.8
	27/09/2021 17:00	759.5	0.0	19.6	77.7	2.0	184.0
	27/09/2021 18:00	760.4	0.0	18.2	82.7	1.7	175.6
	27/09/2021 19:00	761.1	0.0	17.5	86.6	1.8	180.4
27/09/2021 20:00	762.0	0.0	17.3	88.5	1.5	188.4	
27/09/2021 21:00	762.5	0.0	17.4	87.8	1.3	186.7	
27/09/2021 22:00	762.8	0.0	17.6	87.0	1.0	162.9	
27/09/2021 23:00	762.9	0.0	17.9	86.0	0.9	178.5	
28	28/09/2021 00:00	762.6	0.0	18.2	84.6	0.7	167.9
	28/09/2021 01:00	762.2	0.0	18.5	81.3	0.8	172.8
	28/09/2021 02:00	761.7	0.0	18.2	80.8	0.9	133.1
	28/09/2021 03:00	761.3	0.0	17.9	81.8	0.7	167.3
	28/09/2021 04:00	761.1	0.0	17.8	82.7	0.9	132.2
	28/09/2021 05:00	761.2	0.0	17.8	82.5	1.5	132.7
	28/09/2021 06:00	761.5	0.0	17.5	83.2	0.9	138.7
	28/09/2021 07:00	762.0	0.0	18.0	82.0	1.0	123.1
	28/09/2021 08:00	762.2	0.0	19.7	76.6	1.3	173.6
	28/09/2021 09:00	762.3	0.0	21.9	70.5	1.5	170.8
	28/09/2021 10:00	761.9	0.0	22.0	70.2	2.5	210.5
	28/09/2021 11:00	761.3	0.0	20.6	76.3	3.1	222.6
	28/09/2021 12:00	760.5	0.0	20.3	77.0	3.4	219.3
	28/09/2021 13:00	759.8	0.0	20.4	76.9	3.0	224.7
	28/09/2021 14:00	759.2	0.0	20.1	76.3	3.0	226.4
	28/09/2021 15:00	758.6	0.0	20.7	76.1	2.4	209.8
	28/09/2021 16:00	758.6	0.0	20.5	75.7	2.1	213.1
	28/09/2021 17:00	758.9	0.0	19.4	79.2	1.9	193.0
	28/09/2021 18:00	759.7	0.0	18.1	84.2	1.7	178.1
	28/09/2021 19:00	760.6	0.0	17.9	85.6	1.1	167.5
	28/09/2021 20:00	761.4	0.0	17.7	87.0	1.2	181.7
	28/09/2021 21:00	762.0	0.0	17.2	89.4	1.3	182.2
	28/09/2021 22:00	762.2	0.0	17.1	89.7	1.1	173.0
	28/09/2021 23:00	761.9	0.0	17.2	89.2	1.5	178.0
29	29/09/2021 00:00	761.4	0.0	17.3	89.1	0.8	179.0
	29/09/2021 01:00	761.0	0.0	17.3	88.9	0.8	174.6
	29/09/2021 02:00	760.6	0.0	17.2	88.6	0.8	177.6
	29/09/2021 03:00	760.2	0.0	17.3	87.2	1.0	180.7
	29/09/2021 04:00	760.7	0.0	17.4	86.7	1.1	177.4
	29/09/2021 05:00	761.1	0.0	17.4	86.4	1.1	169.6
	29/09/2021 06:00	761.5	0.0	17.4	87.1	1.6	183.7
	29/09/2021 07:00	762.3	0.0	17.6	87.2	1.6	183.9
	29/09/2021 08:00	762.6	0.0	18.7	83.4	1.9	182.7
	29/09/2021 09:00	762.7	0.0	20.1	77.7	2.3	186.2
	29/09/2021 10:00	762.5	0.0	21.5	72.5	2.2	191.2
	29/09/2021 11:00	762.2	0.0	20.6	75.6	3.3	229.0
	29/09/2021 12:00	761.5	0.0	20.2	77.3	3.7	227.1
	29/09/2021 13:00	760.6	0.0	20.4	76.4	3.0	207.9
	29/09/2021 14:00	760.0	0.0	20.7	75.4	2.7	202.9
	29/09/2021 15:00	759.6	0.0	20.8	74.7	2.5	210.2
	29/09/2021 16:00	759.6	0.0	20.9	74.2	2.1	192.1
	29/09/2021 17:00	759.9	0.0	20.2	76.2	2.2	183.8
	29/09/2021 18:00	760.3	0.0	19.2	80.0	1.9	181.6
	29/09/2021 19:00	760.8	0.0	18.4	84.2	1.4	171.9
	29/09/2021 20:00	761.4	0.0	18.3	85.4	1.0	150.5
	29/09/2021 21:00	762.0	0.0	18.2	86.2	0.8	135.8
	29/09/2021 22:00	762.3	0.0	18.3	85.2	1.0	154.1
	29/09/2021 23:00	762.2	0.0	18.5	83.7	0.9	174.3
30	30/09/2021 00:00	761.7	0.0	18.4	83.9	0.9	168.8
	30/09/2021 01:00	760.8	0.0	18.5	83.8	1.0	180.7
	30/09/2021 02:00	760.0	0.0	18.8	82.0	1.0	176.9
	30/09/2021 03:00	759.8	0.0	19.0	80.2	0.9	186.8
	30/09/2021 04:00	759.9	0.0	19.1	79.3	0.9	178.0
	30/09/2021 05:00	760.0	0.0	19.1	78.9	1.1	184.5
	30/09/2021 06:00	760.6	0.0	18.9	78.8	1.8	180.2
	30/09/2021 07:00	761.3	0.0	19.2	78.4	0.8	161.4
	30/09/2021 08:00	761.8	0.0	21.2	72.3	0.8	145.9
	30/09/2021 09:00	762.1	0.0	23.4	64.9	1.3	190.2
	30/09/2021 10:00	761.8	0.0	21.6	71.4	3.1	231.5
	30/09/2021 11:00	761.3	0.0	21.9	70.1	2.6	232.3
	30/09/2021 12:00	760.4	0.0	21.6	71.5	3.0	231.1
	30/09/2021 13:00	759.6	0.0	22.0	69.7	2.3	212.6
	30/09/2021 14:00	758.9	0.0	22.0	69.7	2.5	202.1
	30/09/2021 15:00	758.4	0.0	22.4	68.5	2.4	197.1
	30/09/2021 16:00	758.4	0.0	20.8	73.0	2.5	182.7
	30/09/2021 17:00	758.7	0.0	20.0	76.8	2.5	182.5
	30/09/2021 18:00	759.2	0.0	19.0	82.1	1.7	175.8
	30/09/2021 19:00	759.7	0.0	18.7	84.0	0.8	131.4
	30/09/2021 20:00	760.3	0.0	18.5	85.2	0.9	152.7
	30/09/2021 21:00	761.0	0.0	18.4	86.2	0.9	155.3
	30/09/2021 22:00	760.9	0.0	18.5	85.4	0.8	164.0
	30/09/2021 23:00	760.6	0.0	18.7	83.9	0.6	147.9

MÍNIMO	757.6	0.0	16.3	56.5	0.4	-
MÁXIMO	764.0	0.0	25.9	89.9	3.7	-
PROMEDIO	761.0	0.0	19.2	79.6	1.7	-

















TÍTULO DEL ESTUDIO:

Evaluación ambiental de seguimiento de la

ESTACIÓN DE MONITOREO:

CA-TA-01

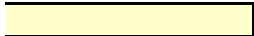
	1-Set	2-Set	3-Set	4-Set	5-Set	6-Set	7-Set	8-Set	9-Set	10-Set	11-Set
00:00	1.4	0.7	1.6	1.2	1.1	1.2	1.5	1.7	1.1	1	0.9
01:00	1.6	0.8	1.7	1.1	1.1	1.4	1.9	1.6	1.1	0.9	1.1
02:00	1.4	1	1.4	1.2	1.3	1	1.4	1.3	1	1	1.1
03:00	0.8	0.8	1.1	1.1	1.2	1	1.4	1.3	1.2	0.9	1.1
04:00	1.2	0.8	1.3	1	1	1.2	1.4	1.3	1.2	1	1.1
05:00	1.4	0.8	1.6	0.8	0.9	1.9	1.5	1.3	1.1	1.1	1.1
06:00	1	0.7	1.4	1	0.9	1.6	1.4	1.2	1.4	1	1.1
07:00	1.2	0.7	1.4	1.1	1	1.3	1.4	1.1	1.3	0.7	1.1
08:00	1	0.9	1.5	1	1.1	0.9	1.8	1.2	1.4	0.8	1.1
09:00	1.2	0.9	1.6	1.1	1.2	1	1.9	1.4	1.4	1.5	1.1
10:00	1.4	1.8	1.7	1.9	1.6	1	1.4	1.6	1.6	2.8	1.1
11:00	2.4	2.2	2.4	2.4	2.1	1.4	1.7	2.1	2.2	2.9	2.1
12:00	3.4	3.3	2.7	2.5	2.5	2.2	2.7	2.4	2.4	3.1	2.1
13:00	3.1	3.1	2.7	3.1	2.4	2.4	2.6	2.8	2.5	2.9	2.1
14:00	3.3	2.7	3.1	3.1	2.5	2.6	3.1	3.1	2.6	2.6	2.1
15:00	2.6	2.3	3.2	2.8	2.6	2.7	2.9	2.7	2.5	2.5	2.1
16:00	2.4	2.1	2.3	2.3	2.1	2.6	2.9	2.3	2.4	2.8	2.1
17:00	1.9	1.8	1.9	2	2.1	2.5	2.6	2.3	2	2.5	2.1
18:00	1.2	1.5	1.8	1.8	1.3	2.2	2.8	2.4	2	2.1	2.1
19:00	1.3	1.8	1.4	2.2	1.1	1.9	2.4	2	1.8	1.8	1.1
20:00	0.9	2.1	1.5	1.5	1.2	1.3	1.4	1.8	1.5	1.4	1.1
21:00	0.8	1.9	1.9	1.1	1.5	1.2	1.6	1.9	1.6	1.1	2.1
22:00	0.7	1.6	1.5	1.2	1.2	1	1.3	1.7	1.2	1	1.1
23:00	S.D.	1.2	1.7	1.4	1.5	1.2	1.5	1.2	1.3	1.4	0.9

	1-Set	2-Set	3-Set	4-Set	5-Set	6-Set	7-Set	8-Set	9-Set	10-Set	11-Set
00:00	S	SSE	S	S	S	SE	SE	SE	SSE	S	S
01:00	S	SSE	S	SE	S	S	SSE	SE	SSE	SSE	S
02:00	SSW	S	S	SSE	S	S	SE	SSE	SE	SE	S
03:00	S	S	E	SE	S	S	SE	SE	SSE	SSE	S
04:00	S	S	SSE	SE	S	SE	SE	SSE	SE	S	S
05:00	S	SSE	S	SE	SSE	SE	ESE	S	SSE	SSE	S
06:00	S	SE	S	SE	SSE	SE	SSE	SSE	SSE	ESE	SSE
07:00	S	ESE	S	SSE	SE	ESE	SE	SSE	SE	SE	SSE
08:00	S	SSE	SSE	SE	S	SE	SE	S	SE	SSE	SE
09:00	S	SSE	S	S	S	ESE	SE	SSE	SE	S	SE
10:00	S	SW	S	S	SSE	SE	SSE	SSE	S	SW	S
11:00	SSW	SW	S	SSW	S	S	SSE	S	S	SW	SSW
12:00	SW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
13:00	SW	SW	SSW	SW	SW	S	SSW	S	SSW	SSW	S
14:00	SW	SSW	SW	SW	SW	S	S	S	SSW	SW	SSW
15:00	SW	S	SW	SW	SSW	S	S	S	SSW	SW	SW
16:00	SW	S	SW	SSW	SSW	S	S	S	S	SW	S
17:00	SSW	S	SSW	S	S	S	S	S	S	SW	S
18:00	S	S	S	S	S	S	S	S	S	SW	S
19:00	S	S	S	S	S	S	S	S	S	S	S
20:00	S	S	S	S	S	SSE	S	S	S	S	S
21:00	S	S	S	S	S	ESE	SE	S	S	S	S
22:00	SSE	S	SSW	SSE	S	SE	SE	S	S	S	S
23:00		S	S	S	SE	SSE	SE	S	S	S	S





ra, departamento de



8.6  
31.4

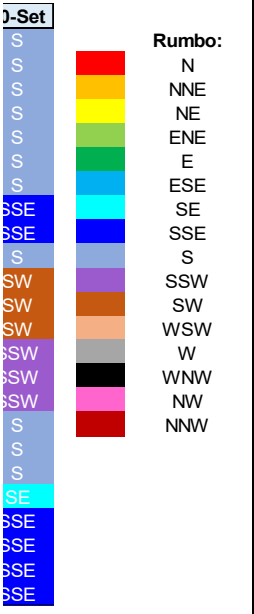


Tabla 3.1. Concentraciones horarias de SO<sub>2</sub>

TÍTULO DEL ESTUDIO:

Evaluación ambiental de seguimiento de la calidad del aire en el área de influencia de la Refinería Talara, ubicada en el distrito de Paríñas, provincia de Talara, departamento de Piura, en octubre de 2021

ESTACIÓN DE MONITOREO:

CA-TA-01

CÓDIGO DE ACCIÓN:

0001-10-2021-414

EQUIPO:

Analizador automático de gases

Thermo Scientific

MODELO:

450i

1009241444

DATOS DEL EQUIPO

Hora/Día	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
00:00	9.8	10.3	10.0	9.8	10.2	9.5	9.4	9.8	9.9	10.2	10.1	9.9	9.9	9.9	10.2	9.8	10.4	10.3	10.3	9.9	9.8	9.6	10.3	9.6	9.8	9.6	9.7	9.7	9.4	9.4	9.9	
01:00	9.9	10.5	9.9	9.9	10.4	9.7	9.5	9.8	9.8	9.9	9.6	9.6	10.0	10.5	10.1	9.6	10.5	10.3	10.2	10.2	9.9	9.7	9.4	10.4	9.6	9.5	9.4	9.5	9.6	9.3	9.7	
02:00	9.8	10.3	9.8	9.5	10.1	9.8	9.8	9.8	9.9	10.0	9.7	9.7	9.8	10.1	9.9	9.9	10.4	10.1	10.1	9.8	9.7	9.8	10.2	9.8	10.2	9.5	9.4	9.4	9.6	8.9	9.0	9.4
03:00	9.8	10.0	10.0	9.7	9.9	9.6	9.9	9.8	10.2	9.9	9.9	9.6	9.6	9.6	9.9	9.7	10.2	10.1	9.7	10.2	9.7	9.7	10.4	10.1	9.6	9.5	9.7	9.5	9.7	9.0	9.4	9.5
04:00	9.5	9.7	9.9	9.6	9.8	9.8	10.2	10.2	10.2	9.9	9.9	9.8	9.8	9.8	9.9	9.8	10.1	9.8	10.1	9.8	9.6	9.3	9.9	9.9	9.2	9.5	9.4	9.4	9.5	9.0	8.9	9.5
05:00	9.8	9.9	9.9	9.6	9.8	10.1	10.2	10.2	10.2	9.7	9.7	9.9	9.9	9.9	9.9	9.5	10.1	9.8	10.0	9.8	9.4	9.3	9.9	9.1	9.2	9.5	9.3	9.5	9.1	8.6	9.2	
06:00	10.2	10.0	10.1	9.8	9.7	9.9	10.2	10.2	10.2	9.8	9.7	9.9	9.9	9.8	9.8	10.1	10.2	9.8	9.9	10.0	10.1	9.8	9.9	9.4	9.3	9.6	9.3	9.4	9.0	8.4	9.1	
07:00	10.4	10.1	10.1	9.9	10.1	10.1	10.6	10.2	10.4	9.9	10.2	10.2	10.2	10.2	10.3	10.2	10.5	9.9	10.4	10.3	10.5	10.0	10.1	10.0	9.3	9.1	10.4	9.6	9.2	9.7	9.0	9.6
08:00	10.6	9.8	10.1	9.8	10.1	9.4	10.1	10.1	10.0	10.1	10.3	10.3	10.3	10.3	10.3	10.3	10.4	9.8	9.9	10.2	10.8	10.1	9.9	9.9	9.9	9.7	10.2	9.8	9.0	9.5	9.2	9.8
09:00	10.2	10.1	9.9	10.1	9.8	9.5	10.1	10.1	10.1	10.4	10.4	10.1	10.1	10.1	10.1	9.9	10.4	9.8	9.9	10.2	10.1	9.9	9.9	9.9	9.6	9.8	9.9	9.6	9.0	9.5	9.5	11.7
10:00	21.0	10.2	10.2	9.9	9.8	9.5	10.0	10.1	10.1	11.6	10.4	10.1	10.1	10.1	10.1	9.9	13.8	9.8	9.9	10.2	VF	9.7	9.7	10.7	9.8	9.6	9.6	9.6	11.7	9.8	11.6	40.2
11:00	27.5	11.6	10.7	10.7	15.1	9.4	ID	10.1	35.2	11.5	11.4	11.0	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
12:00	19.4	12.2	10.9	11.6	81.1	11.1	16.3	10.1	19.8	18.5	15.6	11.0	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
13:00	16.2	12.6	11.6	14.7	42.8	13.0	13.3	10.1	15.5	29.1	28.0	12.5	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
14:00	15.9	12.1	12.1	14.5	22.2	13.6	ID	10.1	14.3	25.7	16.9	15.3	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
15:00	18.5	11.7	11.9	12.4	16.8	13.0	12.9	10.1	14.1	40.7	12.9	17.5	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
16:00	26.0	11.7	11.7	11.5	14.0	12.8	12.7	10.1	13.1	25.3	12.1	14.8	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
17:00	15.5	11.3	11.1	10.8	12.3	12.6	12.3	10.1	11.7	15.6	11.4	12.4	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
18:00	12.1	11.2	10.5	10.5	11.6	12.2	11.1	10.1	11.0	13.0	10.8	11.9	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
19:00	11.0	10.9	10.4	10.7	11.1	11.1	10.8	11.1	10.7	11.1	10.6	11.3	13.3	10.4	10.1	11.2	11.1	11.1	11.2	11.0	11.2	12.7	11.9	10.7	10.4	10.1	11.3	10.7	10.5	9.8	12.1	10.5
20:00	10.9	10.4	10.3	10.3	10.5	10.7	10.1	10.7	10.4	10.8	10.3	10.6	10.2	10.0	10.0	10.0	10.7	10.6	10.4	11.0	12.0	11.1	10.6	10.2	9.9	10.5	10.3	9.8	10.1	9.7	11.3	11.3
21:00	10.3	10.3	10.2	10.0	10.1	10.5	10.2	10.5	10.1	10.6	10.2	10.1	10.0	10.0	10.0	9.9	10.4	10.6	10.5	10.2	10.6	10.7	11.1	10.4	9.9	9.7	10.2	10.0	9.6	9.9	10.6	10.6
22:00	10.1	9.9	10.0	10.0	10.0	10.2	ID	10.4	10.1	10.3	10.2	10.1	9.9	9.9	9.9	10.0	10.4	10.6	10.5	10.2	10.2	10.0	10.5	9.9	9.6	10.0	9.8	9.5	9.9	9.7	9.7	9.7
23:00	10.1	10.1	9.9	10.0	9.8	ID	9.9	10.2	10.3	10.0	10.2	9.8	9.6	9.8	9.8	10.1	10.5	10.4	10.4	10.1	9.9	9.8	10.4	9.9	9.7	9.8	9.6	9.9	9.9	9.9	9.9	9.4
Promedio de SO <sub>2</sub> en 24 h	13.5	10.7	10.5	10.6	15.7	10.7	10.9	10.2	13.1	14.3	11.7	11.1	ID	11.0	10.3	15.4	14.5	15.0	10.8	12.0	15.5	17.1	11.1	10.3	10.0	10.8	10.7	10.5	10.7	10.9	25.8	
ECA aire de SO <sub>2</sub>	250 µg/m <sup>3</sup> en periodo de 24 horas																															

Observación:  
 ND: Data no disponible  
 VF: Verificación multipunto del equipo analizador de gases.  
 IE: Interrupción eléctrica.  
 ID: Insuficiencia de datos para calcular promedio (menor del 75%), dato no calculado por no cumplir con la mínima suficiencia de datos (45 minutos o 18 horas)

Nota: Se realizó el cambio y la verificación del equipo analizador Thermo Scientific 450i del 25 de febrero desde las 15:55 horas hasta el 26 hasta las 15:10 horas

13.5 10.7 10.5 10.6 15.7 10.7 10.9 10.2 13.1 14.3 11.7 11.1 10.1 10.1 11.0 10.3 15.4 14.5 15.0 10.8 12.0 15.5 17.1 11.1 10.3 10.0 10.8 10.7 10.5 10.7 10.9 25.8



Tabla 3.2. Datos Meteorológicos

TÍTULO DEL ESTUDIO: Evaluación ambiental de seguimiento de la calidad del aire en el área de influencia de la Refinería Talara, ubicada en el distrito de Paríñas, provincia de Talara, departamento de Piura, en octubre de 2021

ESTACIÓN DE MONITOREO: CA-TA-01 CÓDIGO DE ACCIÓN: 0001-10-2021-414

DATOS DEL EQUIPO

EQUIPO: Estación meteorológica MARCA: Campbell Scientific
MODELO: CR1000 SERIE: 30824

Table with 7 columns: FECHA Y HORA, Presión atmosférica (mmHg), Precipitación (mm), Temperatura ambiental (°C), Humedad relativa (%), Velocidad de Viento (m/s), Dirección de Viento (°). Rows are grouped by date (1/10/2021, 2/10/2021, 3/10/2021, 4/10/2021, 5/10/2021) and hour.

5	5/10/2021 09:00	760.2	0.0	21.6	70.0	1.6	135.6
	5/10/2021 10:00	759.7	0.0	24.0	62.7	1.4	150.4
	5/10/2021 11:00	759.1	0.0	25.6	58.2	1.7	195.9
	5/10/2021 12:00	758.5	0.0	24.0	63.8	3.1	238.2
	5/10/2021 13:00	758.9	0.0	22.8	67.4	2.5	227.0
	5/10/2021 14:00	757.5	0.0	22.2	69.4	2.8	226.4
	5/10/2021 15:00	757.6	0.0	21.0	73.3	3.0	224.7
	5/10/2021 16:00	757.8	0.0	20.8	73.6	2.3	210.2
	5/10/2021 17:00	758.6	0.0	20.2	74.9	2.0	191.9
	5/10/2021 18:00	759.3	0.0	18.7	80.9	1.4	174.5
	5/10/2021 19:00	760.0	0.0	18.1	84.8	1.4	153.1
	5/10/2021 20:00	760.4	0.0	18.1	84.6	1.0	140.5
	5/10/2021 21:00	760.6	0.0	18.1	84.7	1.3	142.4
	5/10/2021 22:00	760.5	0.0	18.2	83.7	1.0	125.7
	5/10/2021 23:00	760.1	0.0	18.7	81.6	0.8	177.4
	6/10/2021 00:00	759.6	0.0	19.2	78.9	0.9	163.3
	6/10/2021 01:00	759.2	0.0	19.2	78.2	1.2	169.7
	6/10/2021 02:00	758.8	0.0	18.9	79.7	1.5	184.5
	6/10/2021 03:00	758.9	0.0	18.5	81.2	1.7	183.8
	6/10/2021 04:00	759.0	0.0	18.4	81.8	1.9	181.7
	6/10/2021 05:00	759.3	0.0	17.9	83.7	1.4	190.9
	6/10/2021 06:00	759.7	0.0	17.3	86.8	1.7	177.7
	6/10/2021 07:00	760.3	0.0	18.3	84.0	1.1	149.1
	6/10/2021 08:00	760.9	0.0	19.7	78.3	1.6	172.7
6/10/2021 09:00	760.7	0.0	21.1	73.3	1.6	169.1	
6/10/2021 10:00	760.6	0.0	22.3	69.2	1.8	168.0	
6/10/2021 11:00	760.1	0.0	23.3	65.5	2.1	180.2	
6/10/2021 12:00	759.5	0.0	23.6	63.8	2.6	199.2	
6/10/2021 13:00	758.8	0.0	23.9	62.7	2.8	186.7	
6/10/2021 14:00	758.2	0.0	24.0	62.1	2.8	187.0	
6/10/2021 15:00	758.1	0.0	23.3	64.7	2.8	190.7	
6/10/2021 16:00	758.2	0.0	22.1	69.3	2.8	184.7	
6/10/2021 17:00	758.5	0.0	20.7	74.3	2.5	179.2	
6/10/2021 18:00	759.1	0.0	19.4	79.2	1.5	164.2	
6/10/2021 19:00	759.8	0.0	18.6	82.9	1.6	177.4	
6/10/2021 20:00	760.5	0.0	18.3	83.9	1.5	176.1	
6/10/2021 21:00	760.7	0.0	18.4	83.2	1.3	167.0	
6/10/2021 22:00	760.9	0.0	18.3	84.1	1.3	180.7	
6/10/2021 23:00							
7	7/10/2021 00:00	759.9	0.0	18.0	85.3	0.9	178.9
	7/10/2021 01:00	759.4	0.0	18.1	84.6	0.9	164.6
	7/10/2021 02:00	759.2	0.0	18.2	84.0	1.5	132.1
	7/10/2021 03:00	759.0	0.0	18.5	82.2	1.9	123.8
	7/10/2021 04:00	758.1	0.0	18.9	80.9	1.7	128.2
	7/10/2021 05:00	759.5	0.0	19.0	79.3	1.6	133.2
	7/10/2021 06:00	759.6	0.0	19.1	78.8	1.0	141.6
	7/10/2021 07:00	759.9	0.0	19.4	78.3	1.2	132.0
	7/10/2021 08:00	760.5	0.0	20.2	76.0	1.4	126.5
	7/10/2021 09:00	760.6	0.0	21.9	71.1	1.4	165.8
	7/10/2021 10:00	760.4	0.0	23.3	65.8	2.2	191.8
	7/10/2021 11:00						
	7/10/2021 12:00	759.4	0.0	23.4	65.1	2.5	202.0
	7/10/2021 13:00	758.8	0.0	23.1	65.5	3.2	187.1
	7/10/2021 14:00						
	7/10/2021 15:00	757.8	0.0	21.7	70.7	3.0	184.9
	7/10/2021 16:00	757.6	0.0	20.9	73.8	2.9	182.9
	7/10/2021 17:00	757.9	0.0	19.9	77.5	2.3	170.0
	7/10/2021 18:00	758.2	0.0	18.7	82.5	1.8	170.9
	7/10/2021 19:00	758.8	0.0	18.2	84.7	2.1	173.5
	7/10/2021 20:00	759.6	0.0	18.1	85.4	1.4	174.5
	7/10/2021 21:00	760.3	0.0	17.8	86.9	1.0	144.2
	7/10/2021 22:00						
	7/10/2021 23:00	760.6	0.0	18.7	82.3	1.1	188.1
	8/10/2021 00:00	759.9	0.0	18.6	81.6	1.1	185.8
	8/10/2021 01:00	759.5	0.0	18.5	81.5	1.3	146.0
	8/10/2021 02:00	759.3	0.0	18.5	81.7	1.3	141.0
	8/10/2021 03:00	759.2	0.0	18.4	81.8	1.3	147.0
	8/10/2021 04:00						
	8/10/2021 05:00						
	8/10/2021 06:00						
	8/10/2021 07:00						
	8/10/2021 08:00						
	8/10/2021 09:00						
	8/10/2021 10:00						
	8/10/2021 11:00						
8/10/2021 12:00							
8/10/2021 13:00							
8/10/2021 14:00							
8/10/2021 15:00							
8/10/2021 16:00							
8/10/2021 17:00							
8/10/2021 18:00							
8/10/2021 19:00	759.7	0.0	17.9	85.1	1.2	175.1	
8/10/2021 20:00	760.6	0.0	17.7	86.0	1.5	174.6	
8/10/2021 21:00	760.9	0.0	17.5	87.2	1.7	184.3	
8/10/2021 22:00	760.9	0.0	17.5	87.7	1.0	169.1	
8/10/2021 23:00	760.9	0.0	17.7	86.8	0.8	181.1	
9/10/2021 00:00	760.5	0.0	18.4	83.1	1.1	154.4	
9/10/2021 01:00	760.1	0.0	18.6	81.5	1.1	145.7	
9/10/2021 02:00	759.8	0.0	18.3	82.5	1.4	121.2	
9/10/2021 03:00	759.6	0.0	18.1	82.9	1.5	128.1	
9/10/2021 04:00	759.2	0.0	17.9	83.1	1.5	141.6	
9/10/2021 05:00	758.2	0.0	17.8	83.2	1.6	144.6	
9/10/2021 06:00	758.6	0.0	17.9	83.0	1.7	125.6	
9/10/2021 07:00	760.3	0.0	19.0	79.7	1.3	114.1	
9/10/2021 08:00	760.8	0.0	21.1	72.9	1.1	133.1	
9/10/2021 09:00	760.9	0.0	23.7	64.6	1.1	189.6	
9/10/2021 10:00	760.5	0.0	23.2	66.6	2.6	237.3	
9/10/2021 11:00	760.3	0.0	21.4	72.6	2.9	224.1	
9/10/2021 12:00	760.2	0.0	21.2	72.9	3.1	224.9	
9/10/2021 13:00	759.9	0.0	20.5	75.3	2.8	210.1	
9/10/2021 14:00	759.5	0.0	20.6	75.4	2.4	207.0	
9/10/2021 15:00	759.2	0.0	21.2	72.6	2.2	195.8	
9/10/2021 16:00	759.1	0.0	20.5	74.7	2.3	189.6	
9/10/2021 17:00	758.4	0.0	19.6	77.8	1.6	180.8	
9/10/2021 18:00	758.8	0.0	18.8	82.0	1.6	179.6	
9/10/2021 19:00	760.5	0.0	18.0	85.1	1.4	172.1	
9/10/2021 20:00	761.1	0.0	17.9	85.8	0.9	144.5	
9/10/2021 21:00	761.5	0.0	17.9	86.1	0.8	163.6	
9/10/2021 22:00	761.6	0.0	18.1	85.1	0.5	167.1	
9/10/2021 23:00	761.6	0.0	18.6	82.8	0.7	137.4	
10/10/2021 00:00	761.1	0.0	19.0	79.7	0.8	179.9	
10/10/2021 01:00	760.4	0.0	19.2	78.5	0.9	130.5	
10/10/2021 02:00	759.9	0.0	18.7	80.8	1.0	164.8	
10/10/2021 03:00	759.7	0.0	19.0	79.1	1.1	166.1	
10/10/2021 04:00	759.9	0.0	19.0	78.6	0.9	172.9	
10/10/2021 05:00	760.1	0.0	19.9	76.0	1.0	143.3	
10/10/2021 06:00	760.5	0.0	18.7	79.9	0.8	148.2	
10/10/2021 07:00	761.4	0.0	18.8	79.7	1.0	164.4	
10/10/2021 08:00	761.8	0.0	20.8	73.6	1.0	165.5	
10/10/2021 09:00	761.9	0.0	21.8	70.2	1.7	181.9	
10/10/2021 10:00	761.8	0.0	21.9	70.1	1.9	194.2	
10/10/2021 11:00	761.4	0.0	22.2	68.3	2.1	183.3	
10/10/2021 12:00	760.7	0.0	22.0	70.0	2.2	214.2	
10/10/2021 13:00	760.0	0.0	23.2	64.9	2.3	196.8	
10/10/2021 14:00	759.4	0.0	22.9	67.1	2.1	207.8	
10/10/2021 15:00	759.0	0.0	22.0	70.9	2.3	224.3	
10/10/2021 16:00	759.1	0.0	20.5	75.0	2.6	188.9	
10/10/2021 17:00	759.4	0.0	19.5	78.7	2.2	180.7	
10/10/2021 18:00	760.0	0.0	18.5	82.3	1.4	174.0	
10/10/2021 19:00	760.6	0.0	18.2	83.8	1.2	157.1	
10/10/2021 20:00	761.1	0.0	17.9	85.4	1.1	146.0	

11	10/10/2021 21:00	761.4	0.0	17.5	87.1	1.4	176.1
	10/10/2021 22:00	761.8	0.0	17.4	87.8	0.8	128.8
	10/10/2021 23:00	761.6	0.0	17.5	87.6	0.6	132.1
	11/10/2021 00:00	761.0	0.0	17.8	86.2	0.6	144.8
	11/10/2021 01:00	760.3	0.0	18.8	81.2	1.0	134.5
	11/10/2021 02:00	759.8	0.0	18.9	80.4	1.2	133.4
	11/10/2021 03:00	759.6	0.0	18.6	81.4	1.1	130.7
	11/10/2021 04:00	759.7	0.0	18.4	82.1	0.8	159.1
	11/10/2021 05:00	760.2	0.0	18.2	84.0	0.9	139.8
	11/10/2021 06:00	760.6	0.0	18.0	85.0	1.3	128.1
	11/10/2021 07:00	761.0	0.0	18.8	81.9	1.4	125.6
	11/10/2021 08:00	761.4	0.0	20.6	75.6	1.2	146.4
	11/10/2021 09:00	761.3	0.0	22.4	70.4	1.3	170.9
	11/10/2021 10:00	761.2	0.0	23.1	67.4	1.6	177.8
	11/10/2021 11:00	760.7	0.0	23.2	66.1	2.1	197.3
	11/10/2021 12:00	760.0	0.0	23.7	64.4	2.2	201.3
	11/10/2021 13:00	759.4	0.0	22.0	69.8	2.1	223.5
	11/10/2021 14:00	759.9	0.0	20.5	75.0	2.1	207.0
	11/10/2021 15:00	758.5	0.0	20.8	74.4	2.6	186.1
	11/10/2021 16:00	758.2	0.0	20.2	76.1	2.8	182.6
	11/10/2021 17:00	758.8	0.0	19.3	79.4	2.1	180.9
	11/10/2021 18:00	759.6	0.0	18.1	84.3	1.4	182.9
	11/10/2021 19:00	760.4	0.0	17.3	88.0	1.4	165.2
	11/10/2021 20:00	761.2	0.0	17.0	90.0	1.9	177.8
	11/10/2021 21:00	761.7	0.0	16.9	90.3	1.6	168.9
	11/10/2021 22:00	761.8	0.0	17.2	89.0	1.3	152.2
	11/10/2021 23:00	761.3	0.0	17.6	87.7	1.4	161.4
	12/10/2021 00:00	761.1	0.0	17.9	85.7	1.3	145.5
	12/10/2021 01:00	760.4	0.0	18.0	83.8	2.0	124.1
	12/10/2021 02:00	760.0	0.0	17.6	84.3	1.7	133.3
	12/10/2021 03:00	759.9	0.0	17.6	84.3	2.0	136.6
	12/10/2021 04:00	760.3	0.0	17.7	83.7	1.5	144.7
12/10/2021 05:00	760.3	0.0	17.7	83.3	1.6	127.5	
12/10/2021 06:00	760.7	0.0	17.9	82.7	1.6	133.7	
12/10/2021 07:00	761.3	0.0	18.6	80.1	2.0	126.8	
12/10/2021 08:00	761.9	0.0	19.6	77.0	2.0	123.9	
12/10/2021 09:00	761.7	0.0	21.5	70.7	1.5	177.3	
12/10/2021 10:00	761.4	0.0	22.9	65.4	1.8	187.3	
12/10/2021 11:00	760.7	0.0	22.3	66.0	2.7	190.4	
12/10/2021 12:00	760.0	0.0	22.2	65.8	2.8	190.9	
12/10/2021 13:00	759.4	0.0	22.7	64.0	2.4	186.8	
12/10/2021 14:00	759.0	0.0	20.9	71.0	2.9	212.9	
12/10/2021 15:00	758.9	0.0	19.7	77.1	2.7	223.4	
12/10/2021 16:00	758.0	0.0	20.3	73.5	2.4	197.2	
12/10/2021 17:00	759.3	0.0	19.6	75.4	2.0	189.2	
12/10/2021 18:00	759.7	0.0	18.1	81.0	2.6	172.7	
12/10/2021 19:00	760.1	0.0	17.5	84.2	1.9	173.3	
12/10/2021 20:00	760.9	0.0	17.4	84.3	1.2	164.6	
12/10/2021 21:00	761.1	0.0	17.7	83.3	1.2	151.2	
12/10/2021 22:00	761.0	0.0	18.6	78.2	1.4	145.0	
12/10/2021 23:00	760.8	0.0	18.5	77.6	1.9	133.3	
13/10/2021 00:00	760.7	0.0	18.1	78.6	1.7	139.1	
13/10/2021 01:00	760.1	0.0	17.7	79.4	1.6	124.3	
13/10/2021 02:00	759.7	0.0	17.5	79.4	1.4	127.9	
13/10/2021 03:00	759.6	0.0	17.1	79.0	1.4	142.2	
13/10/2021 04:00	758.5	0.0	16.8	79.3	0.9	133.8	
13/10/2021 05:00	759.9	0.0	16.7	79.6	1.3	132.6	
13/10/2021 06:00	760.1	0.0	16.6	80.2	1.3	132.5	
13/10/2021 07:00							
13/10/2021 08:00							
13/10/2021 09:00							
13/10/2021 10:00							
13/10/2021 11:00							
13/10/2021 12:00							
13/10/2021 13:00							
13/10/2021 14:00							
13/10/2021 15:00							
13/10/2021 16:00							
13/10/2021 17:00							
13/10/2021 18:00							
13/10/2021 19:00	760.2	0.0	17.8	80.5	1.7	183.2	
13/10/2021 20:00	760.5	0.0	17.9	78.4	1.4	185.0	
13/10/2021 21:00	760.8	0.0	18.0	76.5	1.2	175.1	
13/10/2021 22:00	760.8	0.0	18.0	75.5	1.1	141.6	
13/10/2021 23:00	760.7	0.0	18.2	72.6	1.6	134.7	
14/10/2021 00:00	760.5	0.0	18.2	72.3	2.3	131.8	
14/10/2021 01:00	760.3	0.0	18.2	71.6	2.5	122.5	
14/10/2021 02:00	760.0	0.0	18.1	71.5	1.9	129.6	
14/10/2021 03:00	759.7	0.0	18.0	71.9	2.0	121.0	
14/10/2021 04:00	759.7	0.0	17.8	73.4	2.0	125.1	
14/10/2021 05:00	760.0	0.0	17.5	74.7	2.5	120.4	
14/10/2021 06:00	760.5	0.0	17.4	75.6	2.3	126.8	
14/10/2021 07:00	760.9	0.0	18.3	73.5	2.1	127.8	
14/10/2021 08:00	761.2	0.0	20.1	67.8	1.7	116.0	
14/10/2021 09:00	761.2	0.0	22.2	62.2	1.2	137.5	
14/10/2021 10:00	761.1	0.0	23.2	59.3	1.6	170.0	
14/10/2021 11:00	760.8	0.0	23.1	59.4	2.3	192.0	
14/10/2021 12:00	760.2	0.0	23.1	59.0	2.7	183.9	
14/10/2021 13:00	759.5	0.0	23.1	59.9	2.2	201.2	
14/10/2021 14:00	759.0	0.0	21.8	65.5	2.2	208.4	
14/10/2021 15:00	758.6	0.0	21.6	66.3	2.2	201.0	
14/10/2021 16:00	759.6	0.0	20.4	70.4	2.6	193.4	
14/10/2021 17:00	759.4	0.0	19.5	74.3	1.5	185.4	
14/10/2021 18:00	760.0	0.0	18.3	78.8	1.3	171.8	
14/10/2021 19:00	760.8	0.0	18.1	80.2	1.2	170.3	
14/10/2021 20:00	761.3	0.0	18.4	79.1	1.1	125.2	
14/10/2021 21:00	761.6	0.0	19.0	76.8	1.3	134.4	
14/10/2021 22:00	762.0	0.0	19.6	74.6	0.9	119.3	
14/10/2021 23:00	761.6	0.0	19.4	73.3	1.7	129.9	
15/10/2021 00:00	761.2	0.0	19.3	73.6	2.3	125.9	
15/10/2021 01:00	760.7	0.0	19.3	73.6	2.4	122.4	
15/10/2021 02:00	760.2	0.0	19.3	72.7	2.2	127.4	
15/10/2021 03:00	759.9	0.0	19.5	72.1	1.0	146.6	
15/10/2021 04:00	760.0	0.0	19.4	72.2	1.5	142.6	
15/10/2021 05:00	760.3	0.0	19.5	71.5	1.1	158.5	
15/10/2021 06:00	760.8	0.0	19.5	71.5	1.5	136.0	
15/10/2021 07:00	761.3	0.0	20.0	69.6	2.0	127.4	
15/10/2021 08:00	761.7	0.0	21.1	66.3	1.5	143.0	
15/10/2021 09:00	761.7	0.0	23.5	59.2	1.5	152.6	
15/10/2021 10:00	761.3	0.0	24.9	55.3	1.8	176.0	
15/10/2021 11:00	760.7	0.0	25.3	54.2	2.3	179.1	
15/10/2021 12:00	760.1	0.0	24.4	57.0	2.9	184.9	
15/10/2021 13:00	759.6	0.0	23.1	61.3	2.7	186.9	
15/10/2021 14:00	759.2	0.0	22.4	63.9	1.9	183.5	
15/10/2021 15:00	758.7	0.0	21.3	67.8	2.0	180.8	
15/10/2021 16:00	758.4	0.0	20.2	73.2	2.1	182.6	
15/10/2021 17:00	758.5	0.0	19.2	77.0	1.9	159.3	
15/10/2021 18:00	759.3	0.0	18.4	80.2	1.6	189.9	
15/10/2021 19:00	760.2	0.0	18.1	81.9	1.0	176.8	
15/10/2021 20:00	761.0	0.0	17.9	83.2	1.0	147.6	
15/10/2021 21:00	761.6	0.0	17.9	82.8	1.3	168.7	
15/10/2021 22:00	761.9	0.0	17.6	83.7	1.2	164.3	
15/10/2021 23:00	761.5	0.0	18.1	81.6	1.1	176.7	
16/10/2021 00:00	761.0	0.0	18.6	79.1	1.0	186.5	
16/10/2021 01:00	760.5	0.0	18.4	79.1	1.4	183.2	
16/10/2021 02:00	760.0	0.0	18.4	78.6	1.4	201.5	
16/10/2021 03:00	759.9	0.0	18.2	79.3	1.8	191.2	
16/10/2021 04:00	760.1	0.0	18.2	79.0	2.1	183.4	
16/10/2021 05:00	760.7	0.0	18.0	79.4	1.2	191.6	
16/10/2021 06:00	761.1	0.0	17.9	80.0	1.9	164.1	
16/10/2021 07:00	761.9	0.0	18.5	78.2	1.3	153.6	
16/10/2021 08:00	762.2	0.0	20.2	72.9	1.1	143.0	

16	16/10/2021 09:00	762.0	0.0	23.1	63.7	1.6	165.4
	16/10/2021 10:00	762.0	0.0	23.7	61.7	2.3	214.4
	16/10/2021 11:00	762.0	0.0	19.7	77.1	4.5	231.3
	16/10/2021 12:00	761.0	0.0	22.3	68.7	3.0	236.6
	16/10/2021 13:00	759.9	0.0	24.0	61.1	2.9	186.0
	16/10/2021 14:00	759.2	0.0	23.2	63.4	3.6	183.9
	16/10/2021 15:00	759.0	0.0	22.3	66.5	3.0	180.5
	16/10/2021 16:00	759.0	0.0	20.9	71.2	3.2	180.5
	16/10/2021 17:00	759.5	0.0	19.5	76.5	2.2	184.2
	16/10/2021 18:00	760.1	0.0	18.6	80.5	1.7	172.6
	16/10/2021 19:00	761.0	0.0	18.0	83.7	1.2	165.9
	16/10/2021 20:00	761.6	0.0	17.8	85.1	1.0	157.1
	16/10/2021 21:00	762.1	0.0	17.7	85.1	0.9	159.9
	16/10/2021 22:00	762.7	0.0	17.6	85.2	1.0	155.8
	16/10/2021 23:00	762.6	0.0	17.7	84.7	1.5	175.2
	17/10/2021 00:00	762.3	0.0	17.9	82.8	1.2	185.7
	17/10/2021 01:00	761.6	0.0	18.4	80.1	1.9	184.0
	17/10/2021 02:00	761.2	0.0	18.3	80.1	2.0	181.3
	17/10/2021 03:00	760.9	0.0	18.0	81.4	1.3	174.7
	17/10/2021 04:00	761.0	0.0	17.7	82.2	1.1	158.1
	17/10/2021 05:00	761.2	0.0	17.6	82.6	1.1	145.2
	17/10/2021 06:00	761.3	0.0	17.6	82.5	1.1	142.3
	17/10/2021 07:00	761.9	0.0	17.9	81.8	1.5	140.8
	17/10/2021 08:00	762.5	0.0	19.1	78.2	1.3	136.3
17/10/2021 09:00	762.6	0.0	21.7	70.1	1.4	172.2	
17/10/2021 10:00	762.4	0.0	23.1	64.8	1.3	172.6	
17/10/2021 11:00	762.1	0.0	23.6	63.1	2.0	190.7	
17/10/2021 12:00	761.7	0.0	22.5	67.6	3.0	233.8	
17/10/2021 13:00	761.1	0.0	21.2	72.0	3.8	224.6	
17/10/2021 14:00	760.7	0.0	20.7	74.3	2.8	228.0	
17/10/2021 15:00	760.6	0.0	21.1	72.7	2.6	226.6	
17/10/2021 16:00	760.7	0.0	21.4	70.0	1.8	191.8	
17/10/2021 17:00	760.9	0.0	20.4	73.3	1.6	171.0	
17/10/2021 18:00	761.2	0.0	19.2	78.4	1.6	177.7	
17/10/2021 19:00	761.6	0.0	18.4	81.8	1.7	182.9	
17/10/2021 20:00	762.1	0.0	17.9	84.0	1.5	184.4	
17/10/2021 21:00	762.5	0.0	17.5	86.2	2.0	178.9	
17/10/2021 22:00	762.6	0.0	17.4	87.0	1.4	175.0	
17/10/2021 23:00	762.1	0.0	17.5	85.8	1.0	183.1	
18/10/2021 00:00	761.4	0.0	17.4	85.6	1.3	169.7	
18/10/2021 01:00	760.6	0.0	17.4	84.8	1.7	181.2	
18/10/2021 02:00	760.2	0.0	17.5	83.2	1.2	181.4	
18/10/2021 03:00	760.0	0.0	17.6	82.7	1.1	151.6	
18/10/2021 04:00	760.1	0.0	17.4	82.7	1.0	177.6	
18/10/2021 05:00	760.5	0.0	17.3	83.4	0.9	164.9	
18/10/2021 06:00	761.1	0.0	17.3	84.2	1.2	159.2	
18/10/2021 07:00	761.7	0.0	17.9	82.5	1.2	146.8	
18/10/2021 08:00	762.0	0.0	19.5	76.9	1.1	133.9	
18/10/2021 09:00	762.0	0.0	21.4	70.6	1.2	145.4	
18/10/2021 10:00	761.6	0.0	23.0	64.5	1.4	163.8	
18/10/2021 11:00	761.2	0.0	22.4	67.4	2.2	208.7	
18/10/2021 12:00	760.8	0.0	22.2	68.2	2.3	219.1	
18/10/2021 13:00	760.1	0.0	22.7	66.5	2.5	233.0	
18/10/2021 14:00	759.7	0.0	21.1	72.2	2.6	216.6	
18/10/2021 15:00	759.3	0.0	20.2	75.6	2.4	211.1	
18/10/2021 16:00	759.4	0.0	19.9	75.8	2.8	191.5	
18/10/2021 17:00	759.9	0.0	19.1	77.5	1.6	171.8	
18/10/2021 18:00	760.4	0.0	18.3	81.3	1.7	177.0	
18/10/2021 19:00	761.0	0.0	17.8	84.5	1.7	174.0	
18/10/2021 20:00	761.5	0.0	17.7	85.2	1.6	178.3	
18/10/2021 21:00	761.8	0.0	17.7	85.6	1.5	175.4	
18/10/2021 22:00	762.2	0.0	17.8	84.5	1.1	176.7	
18/10/2021 23:00	762.2	0.0	17.8	84.1	0.9	182.3	
19/10/2021 00:00	761.7	0.0	18.1	82.4	1.2	177.9	
19/10/2021 01:00	761.2	0.0	18.3	80.3	1.0	189.0	
19/10/2021 02:00	760.9	0.0	18.4	80.4	1.1	194.4	
19/10/2021 03:00	760.6	0.0	18.2	80.6	1.1	184.3	
19/10/2021 04:00	760.7	0.0	18.2	80.2	0.9	159.6	
19/10/2021 05:00	760.9	0.0	18.0	81.8	0.7	150.8	
19/10/2021 06:00	761.3	0.0	18.3	79.7	0.8	152.2	
19/10/2021 07:00	761.9	0.0	18.5	79.5	1.1	148.1	
19/10/2021 08:00	762.2	0.0	19.2	77.2	1.1	123.8	
19/10/2021 09:00	762.3	0.0	19.4	78.6	1.2	142.3	
19/10/2021 10:00	762.1	0.0	20.2	77.8	1.2	163.9	
19/10/2021 11:00	761.7	0.0	22.3	70.7	1.9	183.8	
19/10/2021 12:00	761.0	0.0	23.0	66.3	1.9	192.7	
19/10/2021 13:00	760.2	0.0	22.6	67.1	2.0	193.6	
19/10/2021 14:00	759.4	0.0	23.0	64.4	2.3	189.4	
19/10/2021 15:00	758.8	0.0	21.8	69.0	2.8	185.9	
19/10/2021 16:00	758.9	0.0	20.4	72.7	1.9	181.1	
19/10/2021 17:00	759.8	0.0	19.7	75.2	1.5	180.5	
19/10/2021 18:00	760.5	0.0	18.7	78.9	1.6	179.1	
19/10/2021 19:00	761.4	0.0	18.0	82.4	1.0	160.5	
19/10/2021 20:00	762.0	0.0	17.8	83.9	1.0	167.8	
19/10/2021 21:00	762.6	0.0	17.8	84.6	0.8	170.4	
19/10/2021 22:00	763.1	0.0	17.6	85.1	0.8	159.7	
19/10/2021 23:00	763.0	0.0	17.6	85.4	0.5	132.2	
20/10/2021 00:00	762.4	0.0	17.4	85.8	0.6	139.3	
20/10/2021 01:00	761.9	0.0	17.5	85.6	0.8	144.8	
20/10/2021 02:00	761.5	0.0	17.7	84.6	0.8	155.9	
20/10/2021 03:00	761.2	0.0	18.1	82.3	1.2	128.3	
20/10/2021 04:00	761.3	0.0	17.9	82.9	1.1	171.8	
20/10/2021 05:00	761.7	0.0	18.3	80.3	0.9	140.0	
20/10/2021 06:00	761.8	0.0	18.4	79.6	1.8	117.4	
20/10/2021 07:00	762.4	0.0	18.7	79.4	1.9	131.2	
20/10/2021 08:00	762.8	0.0	20.1	74.8	1.7	132.5	
20/10/2021 09:00	762.6	0.0	21.4	70.2	1.6	121.7	
20/10/2021 10:00	762.2	0.0	23.4	64.0	1.3	135.3	
20/10/2021 11:00	761.7	0.0	25.4	57.9	2.0	192.0	
20/10/2021 12:00	761.1	0.0	24.2	62.7	2.6	226.5	
20/10/2021 13:00	760.7	0.0	22.6	68.1	3.3	226.0	
20/10/2021 14:00	760.4	0.0	20.9	74.1	2.7	216.8	
20/10/2021 15:00	760.2	0.0	20.5	75.3	2.4	205.9	
20/10/2021 16:00	760.3	0.0	20.7	74.1	2.5	186.8	
20/10/2021 17:00	760.9	0.0	19.2	79.3	2.4	182.0	
20/10/2021 18:00	761.3	0.0	17.9	85.4	2.2	178.3	
20/10/2021 19:00	762.0	0.0	17.6	87.3	1.8	183.1	
20/10/2021 20:00	762.6	0.0	17.3	88.5	1.6	171.8	
20/10/2021 21:00	763.1	0.0	17.3	88.5	1.2	182.8	
20/10/2021 22:00	763.3	0.0	17.3	87.7	1.0	146.8	
20/10/2021 23:00	763.1	0.0	17.3	86.8	0.9	157.7	
21/10/2021 00:00	762.6	0.0	17.4	86.5	0.7	164.5	
21/10/2021 01:00	762.1	0.0	17.6	83.6	0.7	179.4	
21/10/2021 02:00	761.8	0.0	17.9	79.8	0.8	181.2	
21/10/2021 03:00	761.6	0.0	18.0	79.0	0.9	173.8	
21/10/2021 04:00	761.6	0.0	17.9	79.7	0.9	180.9	
21/10/2021 05:00	761.9	0.0	17.8	80.6	0.9	170.6	
21/10/2021 06:00	762.1	0.0	17.7	81.4	0.9	183.8	
21/10/2021 07:00	762.5	0.0	18.6	79.3	1.2	181.5	
21/10/2021 08:00	763.0	0.0	20.3	74.4	1.2	181.5	
21/10/2021 09:00	762.9	0.0	22.1	68.8	1.7	177.1	
21/10/2021 10:00	762.7	0.0	23.6	64.2	1.7	186.3	
21/10/2021 11:00	762.2	0.0	24.1	62.2	1.6	195.0	
21/10/2021 12:00	761.3	0.0	24.3	61.7	2.1	200.9	
21/10/2021 13:00	760.6	0.0	23.9	62.8	2.4	206.4	
21/10/2021 14:00	759.9	0.0	21.9	70.7	2.8	229.9	
21/10/2021 15:00	759.7	0.0	20.7	74.9	2.9	234.0	
21/10/2021 16:00	759.7	0.0	20.6	75.5	1.9	214.7	
21/10/2021 17:00	760.3	0.0	19.9	77.1	1.6	199.8	
21/10/2021 18:00	761.3	0.0	18.0	83.8	1.8	184.6	
21/10/2021 19:00	762.2	0.0	17.4	86.6	1.4	180.7	
21/10/2021 20:00	762.8	0.0	17.3	87.1	1.2	168.9	

	21/10/2021 21:00	763.2	0.0	17.1	88.2	1.3	186.0
	21/10/2021 22:00	763.3	0.0	16.9	89.1	1.0	165.8
	21/10/2021 23:00	763.0	0.0	16.8	89.9	1.2	163.9
	22/10/2021 00:00	762.5	0.0	16.9	90.5	1.0	156.1
	22/10/2021 01:00	761.9	0.0	17.0	90.0	0.7	167.0
	22/10/2021 02:00	761.5	0.0	16.9	89.9	1.2	183.6
	22/10/2021 03:00	761.1	0.0	16.8	90.5	1.2	177.4
	22/10/2021 04:00	761.0	0.0	16.9	89.1	0.9	174.6
	22/10/2021 05:00	761.2	0.0	17.2	86.4	1.1	167.1
	22/10/2021 06:00	761.6	0.0	17.3	86.0	1.2	166.5
	22/10/2021 07:00	762.0	0.0	18.1	83.6	1.5	172.2
	22/10/2021 08:00	762.2	0.0	19.1	79.7	1.6	148.3
	22/10/2021 09:00	762.2	0.0	21.0	73.1	1.5	160.9
	22/10/2021 10:00	762.0	0.0	23.2	65.6	1.9	172.6
	22/10/2021 11:00	761.6	0.0	23.8	63.4	2.4	198.7
	22/10/2021 12:00	761.0	0.0	22.8	66.9	2.5	220.2
	22/10/2021 13:00	760.3	0.0	22.4	68.1	2.8	224.6
	22/10/2021 14:00	759.8	0.0	20.5	75.3	3.6	239.9
	22/10/2021 15:00	758.4	0.0	20.3	77.1	3.2	229.8
	22/10/2021 16:00	759.5	0.0	20.6	74.7	2.1	196.3
	22/10/2021 17:00	760.0	0.0	19.7	77.0	1.9	185.3
	22/10/2021 18:00	760.8	0.0	18.6	81.0	1.6	178.1
	22/10/2021 19:00	761.4	0.0	17.8	84.0	1.3	169.6
	22/10/2021 20:00	761.7	0.0	17.6	84.9	1.3	178.8
	22/10/2021 21:00	762.3	0.0	17.5	85.4	1.3	176.9
	22/10/2021 22:00	762.5	0.0	17.3	86.4	1.0	178.8
	22/10/2021 23:00	762.4	0.0	17.4	86.2	1.4	181.9
	23/10/2021 00:00	762.0	0.0	17.4	86.3	1.5	183.3
	23/10/2021 01:00	761.6	0.0	17.6	85.4	1.2	174.8
	23/10/2021 02:00	761.1	0.0	17.8	83.4	1.4	179.5
	23/10/2021 03:00	760.8	0.0	17.8	83.5	1.3	174.2
	23/10/2021 04:00	760.5	0.0	17.5	84.8	1.5	179.0
	23/10/2021 05:00	760.4	0.0	17.5	85.0	0.9	161.5
	23/10/2021 06:00	760.6	0.0	17.9	82.4	0.9	149.6
	23/10/2021 07:00	761.1	0.0	18.5	80.2	1.6	125.7
	23/10/2021 08:00	761.7	0.0	19.9	75.5	1.7	144.9
	23/10/2021 09:00	761.6	0.0	22.1	68.6	1.6	161.6
	23/10/2021 10:00	761.2	0.0	22.9	65.0	2.6	190.7
	23/10/2021 11:00	760.7	0.0	23.3	63.4	2.5	185.3
	23/10/2021 12:00	760.1	0.0	23.0	64.2	2.4	193.7
	23/10/2021 13:00	759.5	0.0	21.9	67.5	2.2	182.8
	23/10/2021 14:00	759.1	0.0	21.1	70.7	2.6	188.8
	23/10/2021 15:00	758.7	0.0	21.3	69.0	2.7	190.3
	23/10/2021 16:00	758.7	0.0	21.3	69.4	2.5	181.3
	23/10/2021 17:00	759.2	0.0	20.4	72.7	2.1	184.6
	23/10/2021 18:00	759.9	0.0	19.4	76.0	2.0	177.7
	23/10/2021 19:00	760.5	0.0	18.7	79.2	1.8	177.4
	23/10/2021 20:00	761.1	0.0	18.3	81.4	1.1	176.5
	23/10/2021 21:00	761.7	0.0	17.8	84.4	1.2	163.5
	23/10/2021 22:00	762.0	0.0	17.5	85.4	1.0	162.4
	23/10/2021 23:00	761.9	0.0	17.6	84.5	1.0	168.0
	24/10/2021 00:00	761.4	0.0	17.7	83.6	1.3	133.4
	24/10/2021 01:00	760.8	0.0	18.2	79.9	1.0	138.4
	24/10/2021 02:00	760.5	0.0	18.2	78.9	0.9	133.8
	24/10/2021 03:00	760.4	0.0	18.0	79.8	1.6	127.8
	24/10/2021 04:00	760.4	0.0	17.9	79.9	1.1	136.3
	24/10/2021 05:00	760.6	0.0	17.7	80.4	0.7	157.6
	24/10/2021 06:00	761.0	0.0	17.4	81.5	0.9	149.3
	24/10/2021 07:00	761.4	0.0	18.0	80.5	1.0	131.5
	24/10/2021 08:00	761.7	0.0	20.1	73.5	1.1	141.7
	24/10/2021 09:00	761.8	0.0	22.2	67.1	1.3	158.9
	24/10/2021 10:00	761.4	0.0	23.2	64.5	2.1	179.7
	24/10/2021 11:00	761.2	0.0	23.5	63.5	2.3	192.8
	24/10/2021 12:00	760.9	0.0	22.7	65.1	2.5	188.5
	24/10/2021 13:00	760.4	0.0	22.4	66.4	2.8	187.7
	24/10/2021 14:00	759.9	0.0	22.3	67.0	2.4	184.1
	24/10/2021 15:00	759.5	0.0	22.0	67.5	2.0	180.0
	24/10/2021 16:00	759.7	0.0	21.4	69.7	2.6	181.1
	24/10/2021 17:00	760.1	0.0	20.6	71.9	1.6	169.5
	24/10/2021 18:00	760.9	0.0	19.3	75.5	1.3	173.3
	24/10/2021 19:00	762.0	0.0	18.9	77.8	1.4	181.9
	24/10/2021 20:00	762.5	0.0	18.7	78.8	1.3	176.4
	24/10/2021 21:00	763.1	0.0	18.2	81.3	1.7	176.6
	24/10/2021 22:00	763.2	0.0	18.1	81.2	1.5	176.8
	24/10/2021 23:00	762.9	0.0	18.1	81.3	1.3	176.7
	25/10/2021 00:00	762.5	0.0	17.9	81.1	0.9	178.0
	25/10/2021 01:00	761.9	0.0	18.1	76.8	1.0	149.2
	25/10/2021 02:00	761.8	0.0	17.9	78.2	1.0	159.0
	25/10/2021 03:00	761.8	0.0	17.7	79.2	1.1	153.6
	25/10/2021 04:00	762.0	0.0	17.4	80.1	1.1	134.9
	25/10/2021 05:00	762.1	0.0	17.3	80.4	1.2	148.1
	25/10/2021 06:00	762.4	0.0	17.5	80.2	1.4	133.5
	25/10/2021 07:00	762.6	0.0	17.8	79.8	1.6	127.6
	25/10/2021 08:00	763.0	0.0	18.2	78.9	2.4	117.9
	25/10/2021 09:00	763.0	0.0	20.1	72.8	1.7	144.3
	25/10/2021 10:00	762.6	0.0	22.4	65.4	1.3	125.1
	25/10/2021 11:00	762.3	0.0	23.9	60.4	1.2	172.2
	25/10/2021 12:00	761.8	0.0	23.5	62.0	1.6	178.2
	25/10/2021 13:00	761.1	0.0	23.5	62.1	1.2	160.4
	25/10/2021 14:00	760.3	0.0	22.7	63.7	1.4	185.2
	25/10/2021 15:00	760.0	0.0	21.1	69.6	1.7	186.1
	25/10/2021 16:00	760.0	0.0	20.0	73.2	1.7	185.5
	25/10/2021 17:00	760.6	0.0	19.3	75.7	1.9	182.3
	25/10/2021 18:00	760.8	0.0	18.8	78.6	1.5	181.3
	25/10/2021 19:00	761.1	0.0	18.4	81.3	1.3	178.6
	25/10/2021 20:00	761.7	0.0	18.2	82.1	0.9	157.8
	25/10/2021 21:00	762.0	0.0	18.1	83.3	1.0	156.9
	25/10/2021 22:00	762.0	0.0	18.2	82.2	0.7	162.4
	25/10/2021 23:00	761.8	0.0	18.3	80.5	0.8	136.2
	26/10/2021 00:00	761.4	0.0	18.6	75.7	1.3	134.7
	26/10/2021 01:00	760.9	0.0	18.4	75.7	1.6	132.2
	26/10/2021 02:00	760.4	0.0	18.1	76.2	1.7	136.4
	26/10/2021 03:00	760.3	0.0	17.9	75.8	2.0	125.1
	26/10/2021 04:00	760.3	0.0	17.6	75.8	2.1	118.6
	26/10/2021 05:00	760.7	0.0	17.4	76.7	2.2	129.3
	26/10/2021 06:00	761.0	0.0	17.6	76.9	2.1	126.4
	26/10/2021 07:00	761.4	0.0	17.9	76.3	2.4	128.8
	26/10/2021 08:00	761.9	0.0	18.6	74.5	1.8	122.7
	26/10/2021 09:00	761.9	0.0	20.7	68.7	1.6	126.2
	26/10/2021 10:00	761.7	0.0	23.1	61.3	1.5	145.7
	26/10/2021 11:00	761.2	0.0	24.4	57.7	1.6	163.5
	26/10/2021 12:00	760.8	0.0	23.9	60.6	2.0	187.5
	26/10/2021 13:00	760.4	0.0	21.9	69.7	2.9	220.2
	26/10/2021 14:00	760.1	0.0	20.7	75.0	2.7	225.3
	26/10/2021 15:00	759.9	0.0	20.5	75.3	2.7	227.6
	26/10/2021 16:00	760.1	0.0	19.8	76.8	2.0	210.3
	26/10/2021 17:00	760.4	0.0	19.2	76.4	1.8	182.2
	26/10/2021 18:00	761.0	0.0	18.2	82.0	1.0	173.0
	26/10/2021 19:00	761.6	0.0	17.7	84.5	1.2	175.5

27	26/10/2021 20:00	762.0	0.0	17.5	85.6	0.9	163.3
	26/10/2021 21:00	762.3	0.0	17.3	86.4	1.1	177.7
	26/10/2021 22:00	762.2	0.0	17.1	87.2	0.9	172.7
	26/10/2021 23:00	762.1	0.0	17.0	87.9	0.9	162.8
	27/10/2021 00:00	761.6	0.0	16.9	88.3	0.8	165.5
	27/10/2021 01:00	761.0	0.0	16.9	89.3	0.7	167.5
	27/10/2021 02:00	760.3	0.0	16.9	88.7	1.1	147.1
	27/10/2021 03:00	760.2	0.0	16.7	87.9	1.1	186.1
	27/10/2021 04:00	760.1	0.0	16.8	85.2	1.2	146.2
	27/10/2021 05:00	760.5	0.0	16.6	85.5	1.6	118.0
	27/10/2021 06:00	760.8	0.0	16.7	86.1	1.4	161.7
	27/10/2021 07:00	761.4	0.0	17.6	83.4	1.2	136.6
	27/10/2021 08:00	761.8	0.0	18.8	78.6	1.4	146.7
	27/10/2021 09:00	761.7	0.0	20.0	74.1	1.5	162.8
	27/10/2021 10:00	761.3	0.0	21.7	68.7	2.0	172.9
	27/10/2021 11:00	761.0	0.0	22.2	67.1	2.4	184.3
	27/10/2021 12:00	760.5	0.0	22.7	65.1	2.6	189.8
	27/10/2021 13:00	759.8	0.0	22.4	68.2	2.9	191.6
	27/10/2021 14:00	759.5	0.0	21.6	69.5	2.5	200.1
	27/10/2021 15:00	759.2	0.0	21.4	69.5	2.5	198.6
	27/10/2021 16:00	759.5	0.0	20.6	72.5	2.4	189.5
	27/10/2021 17:00	760.0	0.0	19.7	75.6	2.0	170.2
	27/10/2021 18:00	760.7	0.0	18.7	79.5	1.7	175.0
	27/10/2021 19:00	761.2	0.0	18.0	82.9	2.2	173.9
27/10/2021 20:00	761.8	0.0	17.7	84.4	1.7	176.3	
27/10/2021 21:00	762.2	0.0	17.5	85.6	1.4	174.2	
27/10/2021 22:00	762.7	0.0	17.6	84.9	1.1	167.4	
27/10/2021 23:00	762.6	0.0	17.6	85.0	1.0	160.3	
28	28/10/2021 00:00	762.0	0.0	17.8	81.2	0.8	176.5
	28/10/2021 01:00	761.5	0.0	17.7	81.2	1.0	184.5
	28/10/2021 02:00	761.2	0.0	17.5	81.6	1.3	176.0
	28/10/2021 03:00	761.0	0.0	17.3	82.2	1.5	182.9
	28/10/2021 04:00	761.2	0.0	17.3	82.4	1.4	176.4
	28/10/2021 05:00	761.3	0.0	17.2	83.1	1.2	182.3
	28/10/2021 06:00	761.6	0.0	17.3	83.3	1.2	173.6
	28/10/2021 07:00	762.0	0.0	18.2	80.1	1.2	188.9
	28/10/2021 08:00	762.3	0.0	19.8	75.0	1.8	184.6
	28/10/2021 09:00	762.2	0.0	21.2	71.0	2.3	183.8
	28/10/2021 10:00	761.9	0.0	20.9	72.1	2.4	188.8
	28/10/2021 11:00	761.4	0.0	22.3	68.0	2.2	196.9
	28/10/2021 12:00	760.6	0.0	22.9	66.6	2.2	210.8
	28/10/2021 13:00	760.2	0.0	21.5	71.7	2.7	207.9
	28/10/2021 14:00	759.7	0.0	21.7	70.5	2.4	192.8
	28/10/2021 15:00	759.4	0.0	21.4	70.6	2.5	192.6
	28/10/2021 16:00	759.5	0.0	20.8	72.3	2.2	192.4
	28/10/2021 17:00	760.0	0.0	20.7	72.8	1.3	182.3
	28/10/2021 18:00	760.8	0.0	18.9	78.9	1.9	180.5
	28/10/2021 19:00	761.5	0.0	18.0	83.2	1.1	164.6
	28/10/2021 20:00	762.2	0.0	17.7	84.2	1.0	140.6
	28/10/2021 21:00	762.6	0.0	17.5	85.6	0.8	143.3
	28/10/2021 22:00	762.7	0.0	17.5	86.2	0.8	156.5
	28/10/2021 23:00	762.4	0.0	17.5	86.2	0.8	144.5
29	29/10/2021 00:00	761.8	0.0	17.7	84.0	1.1	145.3
	29/10/2021 01:00	761.3	0.0	17.9	80.5	1.1	140.9
	29/10/2021 02:00	760.7	0.0	17.6	81.0	1.3	126.5
	29/10/2021 03:00	760.3	0.0	17.1	82.6	1.6	124.8
	29/10/2021 04:00	760.4	0.0	16.9	83.9	1.2	132.5
	29/10/2021 05:00	760.7	0.0	16.8	84.4	1.0	140.4
	29/10/2021 06:00	761.1	0.0	16.8	84.9	1.1	132.2
	29/10/2021 07:00	761.6	0.0	17.4	83.2	1.5	144.4
	29/10/2021 08:00	761.7	0.0	18.9	78.4	1.4	150.8
	29/10/2021 09:00	761.8	0.0	21.0	71.6	1.6	151.0
	29/10/2021 10:00	761.4	0.0	21.9	68.4	2.0	185.0
	29/10/2021 11:00	760.9	0.0	22.0	68.0	2.6	187.5
	29/10/2021 12:00	760.4	0.0	22.2	67.5	2.9	188.4
	29/10/2021 13:00	759.7	0.0	22.2	66.8	3.2	181.0
	29/10/2021 14:00	759.0	0.0	21.9	67.3	2.9	190.1
	29/10/2021 15:00	758.6	0.0	22.1	68.0	2.3	191.4
	29/10/2021 16:00	758.8	0.0	21.3	68.9	2.0	173.5
	29/10/2021 17:00	759.2	0.0	19.7	74.9	1.6	183.7
	29/10/2021 18:00	759.8	0.0	18.1	81.7	1.4	175.1
	29/10/2021 19:00	760.8	0.0	17.4	85.5	1.3	179.6
	29/10/2021 20:00	761.4	0.0	17.2	85.9	1.0	155.2
	29/10/2021 21:00	761.6	0.0	17.2	86.3	1.3	175.1
	29/10/2021 22:00	761.5	0.0	17.5	85.6	1.4	179.8
	29/10/2021 23:00	761.0	0.0	17.7	84.5	0.9	172.7
30	30/10/2021 00:00	760.5	0.0	18.2	78.4	1.4	184.9
	30/10/2021 01:00	760.1	0.0	18.0	78.2	1.2	168.2
	30/10/2021 02:00	759.7	0.0	17.6	79.0	1.0	138.5
	30/10/2021 03:00	759.6	0.0	17.7	78.8	1.1	133.4
	30/10/2021 04:00	759.8	0.0	17.6	79.2	1.2	133.5
	30/10/2021 05:00	760.3	0.0	17.5	80.0	0.9	135.3
	30/10/2021 06:00	761.0	0.0	17.6	80.3	1.2	125.8
	30/10/2021 07:00	761.6	0.0	18.2	80.0	1.0	161.3
	30/10/2021 08:00	761.9	0.0	20.2	74.2	1.2	175.6
	30/10/2021 09:00	762.0	0.0	22.1	67.7	1.3	173.5
	30/10/2021 10:00	761.7	0.0	22.4	67.4	2.3	207.7
	30/10/2021 11:00	761.5	0.0	21.6	70.7	2.5	218.7
	30/10/2021 12:00	760.9	0.0	20.5	74.7	2.8	225.5
	30/10/2021 13:00	760.3	0.0	20.1	76.3	3.0	223.8
	30/10/2021 14:00	759.8	0.0	19.6	78.7	3.2	226.6
	30/10/2021 15:00	759.7	0.0	19.0	80.7	3.0	225.4
	30/10/2021 16:00	758.7	0.0	19.1	79.4	2.1	192.7
	30/10/2021 17:00	760.1	0.0	17.9	83.3	1.9	179.1
	30/10/2021 18:00	760.8	0.0	17.5	85.0	1.4	176.1
	30/10/2021 19:00	761.4	0.0	17.5	85.0	1.3	166.6
	30/10/2021 20:00	761.9	0.0	17.6	84.6	1.1	153.6
	30/10/2021 21:00	762.0	0.0	17.7	84.6	1.0	176.3
	30/10/2021 22:00	761.9	0.0	17.7	84.8	1.5	169.8
	30/10/2021 23:00	761.5	0.0	17.9	84.3	0.8	171.2
31	31/10/2021 00:00	760.9	0.0	18.0	83.3	0.8	152.2
	31/10/2021 01:00	760.5	0.0	18.6	81.0	1.0	162.8
	31/10/2021 02:00	760.3	0.0	18.1	82.5	0.9	153.2
	31/10/2021 03:00	760.1	0.0	17.6	83.3	1.1	173.1
	31/10/2021 04:00	760.1	0.0	17.8	85.0	1.1	137.0
	31/10/2021 05:00	760.7	0.0	18.3	80.8	1.0	132.7
	31/10/2021 06:00	761.1	0.0	18.3	79.7	1.3	132.3
	31/10/2021 07:00	761.6	0.0	18.9	78.0	1.3	124.9
	31/10/2021 08:00	761.9	0.0	21.1	71.6	0.7	142.5
	31/10/2021 09:00	761.8	0.0	23.9	62.9	1.4	210.7
	31/10/2021 10:00	761.8	0.0	22.2	68.1	3.4	238.3
	31/10/2021 11:00	761.6	0.0	21.3	70.8	2.7	230.6
	31/10/2021 12:00	761.0	0.0	21.7	69.4	2.8	239.0
	31/10/2021 13:00	760.2	0.0	21.2	72.4	3.0	240.6
	31/10/2021 14:00	759.5	0.0	19.8	77.5	3.9	240.4
	31/10/2021 15:00	759.5	0.0	19.0	81.8	3.4	230.2
	31/10/2021 16:00	760.8	0.0	18.8	82.6	2.6	225.7
	31/10/2021 17:00	760.0	0.0	18.7	82.7	1.8	199.5
	31/10/2021 18:00	761.1	0.0	18.4	84.4	1.4	207.8
	31/10/2021 19:00	761.9	0.0	18.1	86.2	1.3	203.2
	31/10/2021 20:00	762.6	0.0	18.1	86.4	1.4	174.0
	31/10/2021 21:00	763.2	0.0	17.9	86.1	1.1	141.8
	31/10/2021 22:00	763.4	0.0	17.7	86.4	1.3	168.0
	31/10/2021 23:00	763.1	0.0	17.9	85.5	0.9	143.9

MÍNIMO	756.7	0.0	16.6	54.2	0.5	-
MÁXIMO	763.4	0.0	25.6	90.5	4.5	-
PROMEDIO	760.6	0.0	19.4	77.3	1.7	-



















Organismo  
de Evaluación  
y Fiscalización  
Ambiental

TÍTULO DEL ESTUDIO:

Evaluación ambiental de seguimiento de la

ESTACIÓN DE MONITOREO:

CA-TA-01

	1-Oct	2-Oct	3-Oct	4-Oct	5-Oct	6-Oct	7-Oct	8-Oct	9-Oct	10-Oct	11-Oct	1
00:00	0.8	1	1	0.9	1.8	0.9	0.9	1.1	1.1	0.8	0.6	
01:00	0.8	1.1	0.9	0.9	1.3	1.2	0.9	1.3	1.1	0.9	1	
02:00	0.8	1	1.5	1.2	1.2	1.5	1.5	1.3	1.4	1	1.2	
03:00	1.7	1.3	2.2	1	1.1	1.7	1.9	1.3	1.5	1.1	1.1	
04:00	2	1.2	2.4	1.4	1.1	1.9	1.7	S.D.	1.5	0.9	0.8	
05:00	2	0.8	1.8	1.8	1.2	1.4	1.6	S.D.	1.6	1	0.9	
06:00	1.6	0.8	1.6	2.2	1.2	1.7	1	S.D.	1.7	0.8	1.3	
07:00	1.4	1	1.4	2.9	1.3	1.1	1.2	S.D.	1.3	1	1.4	
08:00	1.4	1.4	1.4	1.8	1.7	1.6	1.4	S.D.	1.1	1	1.2	
09:00	1.1	1.4	2	1.5	1.6	1.6	1.4	S.D.	1.1	1.7	1.3	
10:00	2	2	2.6	1.4	1.4	1.8	2.2	S.D.	2.6	1.9	1.6	
11:00	3.4	2.5	2.5	2.3	1.7	2.1	S.D.	S.D.	2.9	2.1	2.1	
12:00	3.3	2.4	2	2.6	3.1	2.6	2.5	S.D.	3.1	2.2	2.2	
13:00	3.4	2.5	3	2.3	2.5	2.8	3.2	S.D.	2.8	2.3	2.1	
14:00	3.1	2.6	3	2.8	2.8	2.8	S.D.	S.D.	2.4	2.1	2.1	
15:00	2.9	2.8	3.1	2.3	3	2.8	3	S.D.	2.2	2.3	2.6	
16:00	2.5	3.1	2.4	2.4	2.3	2.8	2.9	S.D.	2.3	2.6	2.8	
17:00	2	3.2	2.4	2.3	2	2.5	2.3	S.D.	1.6	2.2	2.1	
18:00	1.5	3	2.1	2.5	1.4	1.5	1.8	S.D.	1.6	1.4	1.4	
19:00	1	2	1.8	1.6	1.4	1.6	2.1	1.2	1.4	1.2	1.4	
20:00	1.4	2.2	2	1.2	1	1.5	1.4	1.5	0.9	1.1	1.9	
21:00	1	1.7	1.6	1	1.3	1.3	1	1.7	0.8	1.4	1.6	
22:00	0.8	1.5	1.1	1.3	1	1.3	S.D.	1	0.5	0.8	1.3	
23:00	0.5	1.3	0.9	1.7	0.8	S.D.	1.1	0.8	0.7	0.6	1.4	

	1-Oct	2-Oct	3-Oct	4-Oct	5-Oct	6-Oct	7-Oct	8-Oct	9-Oct	10-Oct	11-Oct	1
00:00	SE	S	SSE	SSE	S	SSE	S	S	SSE	S	SSE	
01:00	S	S	S	SSE	S	S	SSE	SSE	SSE	SE	SE	
02:00	SE	S	ESE	SSE	S	S	SE	SE	ESE	SSE	SE	
03:00	ESE	S	SE	S	S	S	SE	SSE	SE	S	SE	
04:00	ESE	SSE	SE	SE	S	S	SE		SE	S	SSE	
05:00	ESE	SSE	SE	SE	SSE	S	SE		SSE	SSE	SE	
06:00	ESE	SSE	ESE	SE	SE	S	SE		SE	SSE	SE	
07:00	SE	SSE	SE	ESE	SE	SSE	SE		ESE	SSE	SE	
08:00	S	S	SSE	SE	SE	S	SE		SE	SSE	SSE	
09:00	S	S	S	SSE	SE	S	SSE		S	S	S	
10:00	SW	S	S	S	SSE	SSE	SSW		WSW	SSW	S	
11:00	SW	S	S	SSW	SSW	S			SW	S	SSW	
12:00	SW	S	S	SSW	WSW	SSW	SSW		SW	SW	SSW	
13:00	SW	SSW	S	SSW	SW	S	S		SSW	SSW	SW	
14:00	SW	S	S	S	SW	S			SSW	SSW	SSW	
15:00	SW	S	S	S	SW	S	S		SSW	SW	S	
16:00	SW	S	S	S	SSW	S	S		S	S	S	
17:00	S	S	S	S	SSW	S	S		S	S	S	
18:00	S	S	S	S	S	SSE	S		S	S	S	
19:00	SSE	S	S	S	SSE	S	S	S	S	SSE	SSE	
20:00	S	S	S	SSE	SE	S	S	S	SSE	SSE	S	
21:00	SSE	S	S	S	SE	SSE	SSE	S	SSE	S	S	
22:00	S	S	SSE	S	SE	S		S	SSE	SE	SSE	
23:00	SSE	S	ESE	S	S		S	S	SE	SE	SSE	

Tabla 3.3. Velocidad y dirección del viento durante el mes

a calidad del aire en el área de influencia de la Refinería Talara, ubicada en el distrito de Pariñas, provincia de Tala Piura, en octubre de 2021

CÓDIGO DE ACCIÓN 0001-10-2021-414

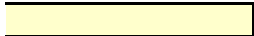
Velocidad del viento																														
12-Oct	13-Oct	14-Oct	15-Oct	16-Oct	17-Oct	18-Oct	19-Oct	20-Oct	21-Oct	22-Oct	23-Oct	24-Oct	25-Oct	26-Oct	27-Oct	28-Oct	29-Oct	30-Oct	31											
1.3	1.7	2.3	2.3	1	1.2	1.3	1.2	0.6	0.7	1	1.5	1.3	0.9	1.3	0.8	0.8	1.1	1.4												
2	1.6	2.5	2.4	1.4	1.9	1.7	1	0.8	0.7	0.7	1.2	1	1	1.6	0.7	1	1.1	1.2												
1.7	1.4	1.9	2.2	1.4	2	1.2	1.1	0.8	0.8	1.2	1.4	0.9	1	1.7	1.1	1.3	1.3	1												
2	1.4	2	1	1.8	1.3	1.1	1.1	1.2	0.9	1.2	1.3	1.6	1.1	2	1.1	1.5	1.6	1.1												
1.5	0.9	2	1.5	2.1	1.1	1	0.9	1.1	0.9	0.9	1.5	1.1	1.1	2.1	1.2	1.4	1.2	1.2												
1.6	1.3	2.5	1.1	1.2	1.1	0.9	0.7	0.9	0.9	1.1	0.9	0.7	1.2	2.2	1.6	1.2	1	0.9												
1.6	1.3	2.3	1.5	1	1.1	1.2	0.8	1.8	0.9	1.2	0.9	0.9	1.4	2.1	1.4	1.2	1.1	1.2												
2 S.D.		2.1	2	1.3	1.5	1.2	1.1	1.9	1.2	1.5	1.6	1	1.6	2.4	1.2	1.2	1.5	1												
2 S.D.		1.7	1.5	1.1	1.3	1.1	1.1	1.7	1.2	1.6	1.7	1.1	2.4	1.8	1.4	1.8	1.4	1.2												
1.5 S.D.		1.2	1.5	1.6	1.4	1.2	1.2	1.6	1.7	1.5	1.6	1.3	1.7	1.6	1.5	2.3	1.6	1.3												
1.8 S.D.		1.6	1.8	2.3	1.3	1.4	1.2	1.3	1.7	1.9	2.6	2.1	1.3	1.5	2	2.4	2	2.3												
2.7 S.D.		2.3	2.3	4.5	2	2.2	1.9	2	1.6	2.4	2.5	2.3	1.2	1.6	2.4	2.2	2.6	2.5												
2.8 S.D.		2.7	2.9	3	3	2.3	1.9	2.6	2.1	2.5	2.4	2.5	1.6	2	2.6	2.2	2.9	2.8												
2.4 S.D.		2.2	2.7	2.9	3	2.5	2	3.3	2.4	2.8	2.2	2.8	1.2	2.9	2.9	2.7	3.2	3												
2.9 S.D.		2.2	1.9	3.6	2.8	2.6	2.3	2.7	2.8	3.6	2.6	2.4	1.4	2.7	2.5	2.4	2.9	3.2												
2.7 S.D.		2.2	2	3	2.6	2.4	2.8	2.4	2.9	3.2	2.7	2	1.7	2.7	2.5	2.5	2.3	3												
2.4 S.D.		2.6	2.1	3.2	1.8	2.8	1.9	2.5	1.9	2.1	2.5	2	1.7	2	2.4	2.2	2	2.1												
2 S.D.		1.5	1.9	2.2	1.6	1.6	1.5	2.4	1.6	1.9	2.1	1.6	1.9	1.8	2	1.3	1.6	1.9												
2.6 S.D.		1.3	1.6	1.7	1.6	1.7	1.6	2.2	1.8	1.6	2	1.3	1.5	1	1.7	1.9	1.4	1.4												
1.9	1.7	1.2	1	1.2	1.7	1.7	1	1.8	1.4	1.3	1.8	1.4	1.3	1.2	2.2	1.1	1.3	1.3												
1.2	1.4	1.1	1	1	1.5	1.6	1	1.6	1.2	1.3	1.1	1.3	0.9	0.9	1.7	1	1	1.1												
1.2	1.2	1.3	1.3	0.9	2	1.5	0.8	1.2	1.3	1.3	1.2	1.7	1	1.1	1.4	0.8	1.3	1												
1.4	1.1	0.9	1.2	1	1.4	1.1	0.8	1	1	1	1	1.5	0.7	0.9	1.1	0.8	1.4	1.5												
1.9	1.6	1.7	1.1	1.5	1	0.9	0.5	0.9	1.2	1.4	1	1.3	0.8	0.9	1	0.8	0.9	0.8												

Dirección del viento																														
12-Oct	13-Oct	14-Oct	15-Oct	16-Oct	17-Oct	18-Oct	19-Oct	20-Oct	21-Oct	22-Oct	23-Oct	24-Oct	25-Oct	26-Oct	27-Oct	28-Oct	29-Oct	30-Oct	31											
SSE	SE	SE	SE	S	S	S	S	SE	SSE	SSE	S	SE	S	SE	SSE	S	SSE	S												
SE	SE	ESE	ESE	S	S	S	S	SSE	S	SSE	S	SE	SSE	SE	SSE	S	SE	SSE												
SE	SE	SE	SE	SSW	S	SSE	SSW	SSE	S	S	S	SE	SSE	SE	SSE	S	SE	SE												
SE	SE	ESE	SSE	S	S	SSE	SSE	SE	S	S	S	SE	SSE	SE	S	S	SE	SE												
SSE	SE	SE	SE	S	SSE	S	SSE	S	S	S	S	SE	SE	ESE	SSE	S	SE	SE												
SE	SE	ESE	SSE	SSW	SSE	SSE	SSE	SE	S	SSE	SSE	SSE	SSE	SE	ESE	S	SE	SE												
SE	SE	SE	SE	SSE	SE	SSE	SSE	ESE	S	SSE	SSE	SSE	SE	SE	SSE	S	SE	SE												
SE		ESE	SE	SE	SE	SE	SE	SE	S	SSE	SSE	SE	ESE	ESE	SSE	S	SSE	SSE												
S		SE	SSE	SSE	S	SSE	SE	ESE	S	SSE	SSE	SSE	SSE	SE	SSE	S	SSE	S												
S		S	S	SW	S	SSE	SSE	SE	S	S	S	S	SE	SSE	S	S	S	SSW												
S		SSW	S	SW	S	SSW	S	SSW	SSW	SSW	S	SSW	S	SSE	S	SSW	S	SW												
S		S	S	WSW	SW	SW	SSW	SW	SSW	SW	SSW	S	S	S	S	SSW	S	SW												
S		SSW	S	S	SW	SW	SSW	SW	SSW	SW	S	S	SSE	SW	SSW	SSW	S	SW												
SSW		SSW	S	S	SW	SW	S	SW	SW	WSW	S	S	S	SW	SSW	SSW	S	SW												
SW		SSW	S	S	SW	SSW	S	SSW	SW	SW	S	S	S	SW	SSW	SSW	SSW	SW												
SSW		S	S	S	SSW	SSW	S	S	SW	SSW	S	S	S	SSW	S	SSW	S	SSW												
S		S	SSE	S	S	S	S	S	SSW	S	S	S	S	S	S	S	S	S												
S		S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S												
S		S	S	SSE	S	S	S	SSE	S	S	S	S	S	S	S	S	S	SSE												
SSE	S	SE	SSE	SSE	S	S	S	SSE	S	S	S	S	SSE	SSE	S	SE	SSE	SSE												
SSE	S	SE	SSE	SSE	S	S	S	S	S	S	SSE	S	SSE	S	S	SSE	S	S												
SSE	SE	ESE	SSE	SSE	S	S	SSE	SSE	SSE	S	SSE	S	SSE	S	SSE	SSE	S	S												
SE	SE	SE	S	S	S	S	SE	SSE	SSE	SSE	S	SSE	S	SE	SSE	SSE	S	S												



ara, departamento de



8.6  
31.4

