

ANEXO 3



Organismo
de Evaluación
y Fiscalización
Ambiental

Sistematización de datos

Tabla 3.1. Concentraciones horarias y 24 horas de PM₁₀

TÍTULO DEL ESTUDIO: Evaluación ambiental de seguimiento de la calidad del aire en el ámbito de influencia de la unidad fiscalizable Quellaveco de la empresa Anglo American Quellaveco S.A., distrito Torata, provincia Mariscal Nieto, departamento Moquegua, en octubre 2025

ESTACIÓN DE MONITOREO: Alto Tala (CA-TAL-02)

CÓDIGO DE ACCIÓN: 0007-10-2025-417 / 0015-10-2025-417

DATOS DEL EQUIPO

EQUIPO: Monitor automático de partículas

MARCA: GRIMM

MODELO: EDM 180

SERIE: 18A20147

Horas/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	42.3	33.2	66.6	65.5	63.6	50.4	67.2	124.4	72.6	47.6	50.7	39.3	90.7	61.3	86.6	165.9	46.1	91.2	50.7	101.7	145.0	85.8	56.9	106.8	37.5	74.1	51.8	46.8	34.2	43.8	65.6
01:00	53.7	30.5	91.6	51.4	94.8	35.6	48.0	74.5	67.9	52.9	57.2	94.5	68.2	80.3	102.2	114.7	41.6	97.1	51.6	64.0	69.5	87.4	46.3	42.9	48.2	37.9	58.7	43.7	27.5	20.5	5.9
02:00	77.2	32.0	44.0	43.9	37.2	39.8	31.6	66.8	60.4	30.4	71.0	42.2	69.9	74.8	84.6	77.2	42.1	48.9	31.2	98.7	130.4	87.2	51.1	59.8	32.4	36.3	91.9	22.4	34.6	22.5	32.9
03:00	62.0	12.7	54.7	34.0	20.9	53.8	40.0	35.0	48.4	45.2	35.7	24.2	42.8	59.1	78.1	109.3	113.6	71.9	30.6	68.6	74.7	67.5	29.2	75.4	27.3	80.9	41.6	13.5	21.5	8.2	43.2
04:00	74.6	17.4	85.0	34.9	22.8	51.7	44.0	26.5	41.1	38.7	58.4	19.0	46.6	60.1	86.6	99.2	162.8	29.3	51.8	46.2	139.5	61.9	35.5	74.2	51.1	74.0	29.8	28.8	25.5	13.8	49.7
05:00	42.5	37.5	66.6	65.9	34.7	43.4	57.9	9.2	32.7	28.7	60.9	16.6	35.1	75.3	118.0	61.7	98.5	27.4	79.2	62.1	60.3	70.0	20.3	46.0	35.3	20.6	12.6	22.9	35.6	46.3	38.2
06:00	19.8	15.9	29.4	39.1	27.7	30.0	30.5	31.2	19.1	33.2	22.9	47.7	36.8	184.9	119.0	52.2	89.9	71.9	65.4	46.3	94.6	79.7	36.2	85.5	50.5	41.7	21.6	21.9	27.2	35.6	36.1
07:00	39.5	14.0	23.8	36.8	21.9	28.3	28.4	44.5	20.9	30.7	18.9	56.6	26.9	77.2	63.8	57.7	80.2	35.5	36.5	44.0	75.0	73.3	39.4	59.7	39.6	27.5	28.3	10.2	21.8	16.5	36.9
08:00	41.5	22.3	36.9	28.6	15.3	42.4	40.8	33.9	25.6	25.4	12.5	28.8	31.2	38.6	47.8	51.0	52.0	39.4	22.7	55.4	55.0	42.2	74.9	28.1	26.5	20.8	27.8	12.6	24.9	37.6	31.0
09:00	59.5	20.3	34.6	22.5	9.8	30.3	26.6	24.9	16.5	26.0	23.8	19.8	25.5	20.0	38.2	55.5	55.4	38.7	31.2	32.7	114.8	44.6	65.2	26.5	25.7	21.9	30.3	25.1	45.8	31.3	21.3
10:00	34.5	19.4	24.9	26.7	27.8	23.6	28.8	142.1	12.8	29.1	22.9	27.3	25.3	20.6	28.0	44.3	57.0	42.4	22.2	32.5	65.7	131.7	45.3	25.1	21.2	19.6	33.4	20.8	23.9	26.7	27.9
11:00	39.9	22.5	39.9	39.1	26.4	26.0	29.9	26.6	17.2	32.0	27.3	21.8	23.2	37.2	41.6	49.0	59.8	43.5	26.1	27.8	59.3	78.4	62.4	38.8	25.9	24.7	39.0	33.1	29.7	31.9	47.6
12:00	32.9	26.1	29.6	35.9	20.5	38.1	31.7	28.4	24.2	39.6	25.1	22.8	23.5	29.3	41.1	49.1	46.0	43.3	33.8	36.9	29.5	51.7	47.1	29.6	24.3	24.3	30.3	16.7	24.7	22.8	41.7
13:00	37.3	26.5	34.8	30.5	18.6	40.7	29.4	31.9	25.2	32.3	28.6	27.9	28.6	39.4	46.1	50.7	36.2	45.9	28.8	39.4	29.5	91.2	64.5	59.6	24.0	24.7	30.2	25.2	30.1	38.6	40.4
14:00	32.7	27.9	43.0	32.0	20.7	23.1	25.2	30.3	22.7	MA	24.5	28.5	24.8	47.1	39.5	42.1	32.8	38.3	24.4	31.8	29.0	95.3	56.2	27.0	16.9	20.2	32.2	18.6	34.2	16.9	41.4
15:00	30.2	29.4	42.7	39.2	21.6	21.0	21.3	24.3	25.8	VF	23.4	53.7	35.5	44.8	33.3	38.4	41.8	39.1	34.9	30.8	67.9	124.3	49.8	24.2	15.7	18.1	26.8	17.8	17.6	23.8	39.0
16:00	28.5	37.3	42.8	37.3	18.7	23.6	20.7	24.6	34.2	60.6	34.1	56.0	48.8	51.8	44.8	38.9	35.8	52.1	18.5	35.2	40.2	47.3	48.3	23.4	15.5	17.9	19.1	24.5	30.1	20.1	26.9
17:00	34.6	31.8	41.8	37.6	30.9	17.0	34.6	21.7	37.5	67.4	37.8	28.1	40.0	57.8	50.7	42.8	41.1	28.1	28.3	34.0	35.3	39.6	48.6	MA	21.3	24.7	25.6	37.9	38.8	43.4	23.0
18:00	37.2	37.7	48.6	40.2	22.9	15.0	27.7	23.8	17.1	59.9	37.9	29.5	23.9	55.8	45.0	40.6	61.5	23.8	23.8	34.4	36.0	38.1	31.8	MA	21.2	22.3	36.1	35.4	28.1	33.6	25.3
19:00	33.3	39.8	42.5	36.2	20.3	10.7	31.8	24.8	31.1	29.3	39.8	32.0	24.3	50.7	37.7	41.6	42.8	24.1	73.6	34.3	35.7	56.8	41.4	MA	23.7	18.5	38.6	25.4	17.4	19.7	28.7
20:00	28.0	45.5	59.9	41.1	78.1	42.1	77.4	25.5	30.3	17.9	27.4	33.2	25.3	47.7	26.5	36.6	45.6	19.0	116.7	42.8	41.2	45.8	37.2	32.0	14.1	18.1	32.6	21.1	13.6	12.6	24.4
21:00	22.0	46.2	102.7	121.1	129.7	62.2	85.4	67.6	58.8	24.8	39.4	57.3	26.4	54.2	28.2	56.4	58.9	24.4	178.7	36.6	34.9	115.5	55.5	23.4	23.3	44.7	21.2	31.8	25.9	25.2	26.6
22:00	54.1	58.9	75.8	134.3	105.9	120.8	68.3	56.0	92.9	49.2	89.6	104.8	21.9	52.5	30.9	46.1	173.2	22.3	147.4	59.6	48.6	97.9	164.9	45.1	87.4	50.9	42.1	94.7	37.1	54.4	23.7
23:00	53.5	79.8	78.7	80.5	87.8	80.8	64.9	76.6	89.5	105.4	27.3	77.9	20.5	52.7	147.3	58.3	90.3	56.9	274.0	201.5	140.8	102.8	161.7	63.3	39.3	23.6	53.2	33.9	37.6	36.6	47.0
Promedio de PM ₁₀ en 24 h	42.1	31.8	51.7	48.1	40.8	39.6	41.3	44.8	38.5	41.2	37.4	41.2	36.1	57.2	61.1	61.6	66.9	43.9	61.8	54.0	68.8	75.7	57.1	47.5	31.2	32.8	35.6	28.5	28.6	28.4	34.3
ECA aire de PM ₁₀	100 µg/m ³ en periodo de 24 horas																														

MA: Mantenimiento preventivo VF: Verificación operacional

Tabla 3.2. Concentraciones horarias y 24 horas de PM_{2.5}

TÍTULO DEL ESTUDIO: Evaluación ambiental de seguimiento de la calidad del aire en el ámbito de influencia de la unidad fiscalizable Quellaveco de la empresa Anglo American Quellaveco S.A., distrito Torata, provincia Mariscal Nieto, departamento Moquegua, en octubre 2025

ESTACIÓN DE MONITOREO: Alto Tala (CA-TAL-02)

CÓDIGO DE ACCIÓN: 0007-10-2025-417 / 0015-10-2025-417

DATOS DEL EQUIPO

EQUIPO: Monitor automático de partículas

MARCA: GRIMM

MODELO: EDM 180

SERIE: 18A20147

Horas/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	7.5	6.1	6.8	10.0	9.3	5.4	10.5	12.8	12.1	7.3	9.7	7.1	17.7	11.0	17.2	26.6	9.0	14.6	5.3	13.0	20.4	13.3	10.0	15.2	9.0	11.5	9.4	8.5	6.0	6.2	9.2
01:00	8.6	6.0	8.7	7.4	15.7	4.4	8.0	10.5	9.9	6.6	10.5	13.6	12.7	13.5	21.7	20.5	8.4	19.3	6.1	8.5	10.0	13.8	7.8	6.6	11.6	6.7	10.7	7.5	4.0	3.4	1.7
02:00	12.9	6.2	4.2	6.1	6.7	4.7	5.5	8.3	8.8	2.9	12.2	6.0	13.1	13.2	17.6	13.5	8.6	9.4	4.1	12.4	19.0	14.1	8.1	9.4	8.5	6.2	13.5	4.4	5.1	4.2	5.8
03:00	10.7	2.8	5.5	4.5	3.4	6.1	6.9	5.4	7.2	4.8	7.6	3.5	8.6	10.2	14.1	15.0	20.4	13.3	4.1	10.1	10.6	11.0	5.5	12.0	7.5	11.6	6.7	3.1	3.4	2.6	7.1
04:00	11.7	3.0	8.2	4.3	4.2	6.1	7.5	4.3	6.5	4.8	9.4	3.6	9.0	10.2	15.8	17.5	31.0	5.1	6.9	7.1	19.4	10.6	6.3	12.2	10.9	10.0	5.2	4.6	4.0	3.6	7.8
05:00	7.5	4.2	6.5	6.9	5.5	5.3	9.9	1.9	4.8	4.0	10.8	3.8	6.5	11.4	22.3	14.0	18.3	5.2	9.1	10.1	9.7	11.7	3.7	7.0	8.0	5.0	2.9	4.7	5.0	8.0	6.1
06:00	4.4	2.7	3.5	5.3	4.9	3.5	5.9	5.2	3.7	5.0	4.9	8.6	7.7	22.3	25.0	11.5	15.5	11.1	8.4	7.8	14.6	13.2	6.4	10.8	9.7	8.2	4.5	4.3	4.6	6.5	6.5
07:00	7.5	3.0	3.2	4.9	4.0	4.0	5.7	6.5	3.9	4.9	4.0	9.6	5.7	12.0	14.2	11.4	17.6	6.9	4.9	7.0	11.6	11.0	6.1	8.3	8.4	6.4	5.2	2.3	3.7	3.2	4.9
08:00	6.9	4.0	4.3	3.4	2.5	4.8	6.7	5.7	4.0	4.0	2.3	4.6	5.7	7.3	10.0	8.6	10.1	7.4	3.0	7.6	8.5	7.3	10.2	5.9	6.8	5.3	4.7	2.4	3.2	4.6	4.3
09:00	7.9	4.4	4.5	2.9	1.5	3.7	4.7	4.8	3.7	3.9	3.5	3.8	4.8	4.6	8.2	9.4	13.1	7.3	4.7	5.2	11.2	7.2	7.4	5.5	6.3	5.4	4.9	3.3	4.6	4.0	3.2
10:00	6.6	4.0	4.1	3.9	4.0	4.0	4.4	13.1	3.6	5.2	4.8	4.9	4.8	4.5	6.6	8.9	12.5	8.2	4.0	6.3	7.6	13.9	7.0	6.5	5.9	5.8	5.4	3.8	4.2	3.7	3.7
11:00	7.0	4.6	5.6	7.2	4.8	5.3	5.3	4.9	4.3	6.1	6.8	5.1	4.9	6.3	9.1	9.9	11.8	7.9	5.2	5.4	8.3	11.1	8.1	8.5	6.9	7.4	6.3	11.5	5.8	4.3	5.8
12:00	6.3	5.0	4.7	6.3	5.1	7.0	6.2	4.9	4.5	8.2	6.3	5.6	5.2	5.9	9.4	8.6	7.1	6.3	6.0	5.7	4.9	6.9	7.5	7.2	6.7	6.6	5.2	2.6	4.0	3.7	5.8
13:00	6.4	5.4	4.5	5.4	3.9	6.6	5.7	6.2	4.3	7.0	6.7	6.0	5.9	6.3	8.7	8.0	6.5	5.4	4.4	5.4	5.2	9.5	8.6	6.5	6.3	6.0	5.2	3.4	4.0	5.1	6.0
14:00	5.4	5.2	5.7	5.1	3.7	4.2	4.5	6.1	4.4	MA	5.9	6.2	5.7	6.8	7.7	7.0	6.4	5.3	4.8	4.9	4.5	9.3	8.3	6.7	5.4	5.3	6.2	2.8	4.4	3.4	6.6
15:00	5.2	4.9	6.4	6.0	3.6	4.0	4.5	5.7	6.3	VF	5.9	8.1	6.5	8.4	6.7	7.1	7.8	5.9	11.7	5.0	6.9	12.1	7.8	6.4	4.8	5.4	5.3	3.9	3.2	3.8	6.8
16:00	5.3	6.0	6.8	6.4	3.5	4.6	5.0	6.0	8.3	11.7	7.0	7.7	7.1	16.4	8.7	7.1	7.5	6.2	3.8	5.8	5.5	7.3	8.5	6.1	4.5	5.5	5.0	4.3	4.0	4.2	6.0
17:00	6.3	6.3	7.4	6.6	5.6	3.5	6.8	6.3	9.2	11.0	7.5	6.5	7.0	14.3	10.4	9.9	8.7	4.9	4.9	5.6	5.2	6.8	8.2	MA	5.4	5.4	6.4	5.9	4.9	5.7	5.5
18:00	6.5	6.7	8.3	6.9	4.6	3.1	6.0	6.7	9.7	12.3	10.2	7.0	6.2	13.4	9.4	8.1	16.4	2.7	6.7	5.7	6.2	7.6	5.4	MA	5.7	5.1	7.4	5.3	3.9	4.8	6.2
19:00	5.9	7.0	8.6	6.5	3.4	2.4	6.4	6.8	7.9	11.5	7.9	7.2	5.9	12.5	7.1	8.1	8.9	2.9	9.7	5.7	5.3	7.9	10.4	MA	8.2	5.1	8.2	4.5	2.9	4.1	6.1
20:00	5.9	7.1	9.1	6.7	9.7	5.7	12.1	7.1	7.2	12.0	6.7	7.0	6.0	13.6	5.0	7.7	8.8	2.6	14.2	6.6	5.8	7.5	9.3	6.2	5.7	5.1	8.2	4.1	2.5	2.5	5.2
21:00	5.3	6.5	15.5	17.4	16.4	8.3	12.1	11.3	9.4	11.2	7.5	9.8	6.1	14.9	5.0	9.2	10.2	3.4	18.4	6.1	6.0	17.6	7.7	6.3	6.0	7.6	5.5	5.4	3.1	3.6	5.2
22:00	10.8	8.5	10.9	20.4	12.4	17.4	11.0	10.2	14.3	15.7	15.0	15.4	5.1	14.3	5.4	9.8	25.2	3.5	15.5	7.8	7.8	13.7	21.7	10.4	13.9	9.2	6.7	14.4	5.2	8.3	4.8
23:00	10.6	9.1	11.5	11.9	9.9	12.4	10.0	14.0	15.1	19.5	4.8	13.5	5.2	12.1	19.5	10.3	15.5	5.8	26.9	25.6	19.6	15.0	22.6	14.6	7.5	5.6	8.7	5.0	5.7	6.2	8.4
Promedio de PM _{2.5} en 24 h	7.5	5.4	6.8	7.2	6.2	5.7	7.1	7.3	7.2	8.2	7.4	7.3	7.2	11.1	11.9	11.2	12.7	7.1	8.0	7.9	9.7	10.8	8.9	8.5	7.5	6.7	6.6	5.1	4.2	4.6	5.8
ECA aire de PM _{2.5}	50 µg/m³ en periodo de 24 horas																														

MA: Mantenimiento preventivo

VF: Verificación operacional

Tabla 3.3. Datos horarios Meteorológicos

TÍTULO DEL ESTUDIO: Evaluación ambiental de seguimiento de la calidad del aire en el ámbito de influencia de la unidad fiscalizable Quellaveco de la empresa Anglo American Quellaveco S.A., distrito Torata, provincia Mariscal Nieto, departamento Moquegua, en octubre 2025

ESTACIÓN DE MONITOREO: Alto Tala (CA-TAL-02) **CÓDIGO DE ACCIÓN:** 0007-10-2025-417
0015-10-2025-417

DATOS DEL EQUIPO

EQUIPO: Sensor anemométrico; de presión; temperatura y humedad; pluviométrico **MARCA:** Lastem

MODELO: DNB105.2, DQA251, DMA975, DQA231.1 **SERIE:** 21005924/21020360, 2140131/3000827, 21020253, 21020280

FECHA Y HORA	Presión atmosférica (mmHg)	Precipitación (mm)	Temperatura ambiental (°C)	Humedad relativa (%)	Velocidad de Viento (m/s)	Dirección de Viento (°)
1/10/2025 00:00	507.9	0.0	8.2	34.5	0.9	318.3
1/10/2025 01:00	507.6	0.0	8.2	33.7	0.8	16.6
1/10/2025 02:00	507.4	0.0	8.9	32.8	1.2	99.5
1/10/2025 03:00	507.2	0.0	8.1	34.6	0.8	28.7
1/10/2025 04:00	507.3	0.0	7.9	34.5	0.6	203.5
1/10/2025 05:00	507.6	0.0	8.6	31.6	1.1	75.7
1/10/2025 06:00	508.0	0.0	8.6	32.4	1.1	352.9
1/10/2025 07:00	508.2	MA	11.5	27.3	1.2	287.0
1/10/2025 08:00	508.2	MA	13.8	22.8	2.0	292.0
1/10/2025 09:00	507.9	MA	16.1	21.1	4.0	284.1
1/10/2025 10:00	508.0	MA	16.6	19.8	3.3	272.3
1/10/2025 11:00	507.9	MA	17.2	19.5	4.3	284.5
1/10/2025 12:00	507.6	MA	17.4	21.4	5.3	288.0
1/10/2025 13:00	507.4	0.0	17.6	21.4	4.6	284.4
1/10/2025 14:00	507.1	0.0	16.1	21.0	4.0	279.2
1/10/2025 15:00	506.8	MA	14.6	24.8	4.3	294.1
1/10/2025 16:00	506.7	0.0	14.1	28.2	3.6	287.6
1/10/2025 17:00	507.1	0.0	11.2	35.7	1.8	302.1
1/10/2025 18:00	507.6	0.0	9.9	39.1	1.1	292.4
1/10/2025 19:00	508.1	0.0	9.3	40.2	0.6	282.3
1/10/2025 20:00	508.4	0.0	8.9	41.1	1.0	278.3
1/10/2025 21:00	508.5	MA	8.7	38.7	0.8	81.8
1/10/2025 22:00	508.4	0.0	8.8	36.1	2.0	88.1
1/10/2025 23:00	508.1	0.0	8.6	34.8	2.7	91.6
2/10/2025 00:00	507.7	0.0	8.6	26.3	3.6	83.7
2/10/2025 01:00	507.4	0.0	8.5	23.1	2.9	93.5
2/10/2025 02:00	507.0	0.0	8.3	21.9	3.8	91.6
2/10/2025 03:00	506.8	0.0	8.3	17.6	3.9	88.7
2/10/2025 04:00	506.8	MA	8.2	16.8	3.6	95.1
2/10/2025 05:00	506.9	MA	9.0	12.7	3.4	92.9
2/10/2025 06:00	507.3	MA	9.8	16.0	1.8	35.2
2/10/2025 07:00	507.3	MA	12.4	18.8	1.5	302.7
2/10/2025 08:00	507.1	MA	15.2	18.0	2.2	278.6
2/10/2025 09:00	507.1	MA	16.1	20.4	4.3	288.0
2/10/2025 10:00	507.4	0.0	17.4	17.4	3.1	273.4
2/10/2025 11:00	507.5	0.0	18.2	16.7	4.0	280.2
2/10/2025 12:00	507.1	0.0	18.2	17.9	5.0	289.8
2/10/2025 13:00	506.9	0.0	18.0	20.2	5.3	293.3
2/10/2025 14:00	506.7	0.0	17.4	20.4	5.0	293.5
2/10/2025 15:00	506.6	0.0	16.8	20.1	4.2	283.7
2/10/2025 16:00	506.6	0.0	14.5	26.4	4.4	286.4
2/10/2025 17:00	506.6	0.0	11.6	34.1	3.1	290.4
2/10/2025 18:00	507.2	0.0	8.9	40.0	1.4	315.8
2/10/2025 19:00	507.6	0.0	8.3	39.9	0.8	314.8
2/10/2025 20:00	507.9	0.0	8.6	30.8	1.0	57.1
2/10/2025 21:00	508.1	0.0	8.7	26.1	1.9	72.0
2/10/2025 22:00	507.9	0.0	8.3	23.1	2.8	88.5
2/10/2025 23:00	507.6	0.0	8.2	17.5	3.2	91.3
3/10/2025 00:00	507.2	0.0	8.3	7.9	3.8	95.7
3/10/2025 01:00	506.9	0.0	8.2	3.7	4.4	84.6
3/10/2025 02:00	506.7	0.0	7.6	2.7	4.5	73.9
3/10/2025 03:00	506.5	MA	7.6	2.6	4.2	86.9

3/10/2025 04:00	506.5	MA	7.8	3.6	3.7	100.1
3/10/2025 05:00	506.8	MA	7.7	3.6	4.0	98.3
3/10/2025 06:00	507.2	MA	8.8	3.6	3.1	104.4
3/10/2025 07:00	507.6	MA	12.3	5.6	2.0	162.7
3/10/2025 08:00	507.6	MA	14.0	10.5	2.0	293.6
3/10/2025 09:00	507.6	MA	15.5	13.0	2.4	274.3
3/10/2025 10:00	507.9	MA	16.3	15.2	2.2	245.9
3/10/2025 11:00	507.9	0.0	16.8	15.5	2.7	258.0
3/10/2025 12:00	507.4	0.0	16.6	15.1	2.1	241.2
3/10/2025 13:00	507.1	0.0	16.8	14.7	3.1	265.2
3/10/2025 14:00	506.9	0.0	16.2	20.4	3.0	270.0
3/10/2025 15:00	506.8	0.0	15.3	24.4	3.0	273.6
3/10/2025 16:00	506.7	0.0	13.5	29.1	3.0	289.8
3/10/2025 17:00	506.7	0.0	10.2	38.7	2.6	294.4
3/10/2025 18:00	507.3	0.0	7.7	47.6	1.0	296.0
3/10/2025 19:00	507.7	0.0	7.7	44.0	0.7	42.5
3/10/2025 20:00	508.0	0.0	7.7	33.4	0.9	123.5
3/10/2025 21:00	508.1	0.0	6.7	39.9	0.6	176.5
3/10/2025 22:00	508.0	0.0	6.9	26.8	1.1	108.3
3/10/2025 23:00	507.7	0.0	7.1	19.6	1.4	99.7
4/10/2025 00:00	507.3	0.0	7.4	14.4	2.3	85.5
4/10/2025 01:00	507.0	0.0	7.8	8.9	2.5	87.3
4/10/2025 02:00	506.9	0.0	8.0	6.4	2.8	97.6
4/10/2025 03:00	506.8	0.0	8.3	5.4	3.0	105.2
4/10/2025 04:00	507.0	0.0	8.2	4.4	2.9	106.5
4/10/2025 05:00	507.0	0.0	8.1	3.4	4.1	94.0
4/10/2025 06:00	507.3	0.0	9.3	3.0	3.5	97.7
4/10/2025 07:00	507.5	0.0	12.4	5.3	1.7	219.2
4/10/2025 08:00	507.5	0.0	14.0	9.1	2.2	292.9
4/10/2025 09:00	507.5	0.0	16.0	10.9	3.8	293.1
4/10/2025 10:00	507.7	0.0	17.0	13.8	4.0	283.6
4/10/2025 11:00	507.6	0.0	17.0	19.1	4.3	281.1
4/10/2025 12:00	507.3	0.0	17.2	17.9	5.3	292.4
4/10/2025 13:00	507.1	0.0	16.5	18.4	5.9	294.1
4/10/2025 14:00	506.9	0.0	16.2	19.1	5.6	293.1
4/10/2025 15:00	506.8	0.0	15.1	24.8	5.2	290.0
4/10/2025 16:00	506.6	0.0	13.7	32.5	3.9	289.0
4/10/2025 17:00	506.9	0.0	11.6	38.8	1.6	284.2
4/10/2025 18:00	507.4	0.0	9.0	46.6	0.8	321.8
4/10/2025 19:00	507.8	0.0	8.9	42.7	0.8	241.8
4/10/2025 20:00	508.2	0.0	8.4	42.5	0.5	252.6
4/10/2025 21:00	508.3	0.0	8.6	38.4	1.0	129.9
4/10/2025 22:00	508.1	0.0	8.4	34.8	1.2	125.5
4/10/2025 23:00	507.8	0.0	7.9	32.8	0.7	216.8
5/10/2025 00:00	507.4	0.0	7.6	28.9	0.7	91.2
5/10/2025 01:00	507.0	0.0	8.0	25.3	1.0	72.6
5/10/2025 02:00	506.6	0.0	8.4	21.5	1.5	80.9
5/10/2025 03:00	506.6	0.0	8.5	19.6	1.6	70.1
5/10/2025 04:00	506.6	0.0	8.9	19.9	2.9	97.0
5/10/2025 05:00	507.0	0.0	9.2	20.0	3.0	93.3
5/10/2025 06:00	507.4	0.0	10.9	16.9	2.4	103.4
5/10/2025 07:00	507.5	0.0	14.3	13.8	1.6	260.1
5/10/2025 08:00	507.3	0.0	16.6	11.8	2.1	290.5
5/10/2025 09:00	507.8	0.0	19.0	7.7	2.5	278.4
5/10/2025 10:00	507.8	0.0	18.3	12.7	5.8	291.9
5/10/2025 11:00	507.7	0.0	18.3	13.6	6.0	292.4
5/10/2025 12:00	507.3	0.0	18.5	14.8	6.1	293.8
5/10/2025 13:00	507.0	0.0	18.6	13.2	6.2	292.7
5/10/2025 14:00	506.7	0.0	18.3	13.4	6.1	292.9
5/10/2025 15:00	506.6	0.0	17.1	13.6	5.8	291.3
5/10/2025 16:00	506.5	0.0	15.8	17.3	4.7	290.2
5/10/2025 17:00	506.5	0.0	13.7	27.2	1.8	299.8
5/10/2025 18:00	507.0	0.0	11.8	27.1	0.8	248.3
5/10/2025 19:00	507.3	0.0	11.8	18.8	0.8	79.5
5/10/2025 20:00	507.6	0.0	11.7	18.4	0.7	89.0
5/10/2025 21:00	507.7	0.0	11.5	18.5	1.3	100.3
5/10/2025 22:00	507.4	0.0	11.2	19.2	2.0	128.1
5/10/2025 23:00	507.1	0.0	10.6	20.1	1.2	139.2
6/10/2025 00:00	506.7	0.0	11.1	18.6	3.8	92.8
6/10/2025 01:00	506.3	0.0	11.2	17.1	4.7	89.0
6/10/2025 02:00	506.0	0.0	11.2	14.4	4.9	90.9
6/10/2025 03:00	505.9	0.0	10.6	14.4	3.1	111.3
6/10/2025 04:00	505.9	0.0	10.5	14.5	3.2	113.4
6/10/2025 05:00	506.1	0.0	10.1	15.1	2.8	103.1
6/10/2025 06:00	506.3	0.0	12.2	13.6	2.4	96.5

6/10/2025 07:00	506.5	0.0	13.3	15.2	1.9	301.3
6/10/2025 08:00	506.4	0.0	16.1	13.3	2.0	288.9
6/10/2025 09:00	506.8	0.0	18.0	12.8	3.0	286.0
6/10/2025 10:00	506.8	0.0	18.6	15.7	4.5	295.1
6/10/2025 11:00	506.4	0.0	19.3	16.7	5.3	293.3
6/10/2025 12:00	506.1	0.0	19.7	17.5	5.0	288.4
6/10/2025 13:00	505.8	0.0	19.8	17.0	4.8	287.4
6/10/2025 14:00	505.6	0.0	18.4	16.4	4.4	279.0
6/10/2025 15:00	505.5	0.0	16.9	18.6	4.9	290.2
6/10/2025 16:00	505.6	0.0	16.2	20.5	2.7	276.5
6/10/2025 17:00	505.5	0.0	13.5	21.1	2.2	288.8
6/10/2025 18:00	505.9	0.0	11.5	21.3	0.9	329.4
6/10/2025 19:00	506.3	0.0	11.8	18.9	0.7	32.7
6/10/2025 20:00	506.6	0.0	11.4	18.6	0.6	82.1
6/10/2025 21:00	506.9	0.0	10.9	19.9	0.8	91.6
6/10/2025 22:00	506.8	0.0	11.0	20.1	2.3	90.9
6/10/2025 23:00	506.5	0.0	11.0	18.6	1.9	89.8
7/10/2025 00:00	506.2	0.0	10.7	18.1	2.6	90.1
7/10/2025 01:00	505.6	0.0	10.6	17.2	2.9	85.3
7/10/2025 02:00	505.4	0.0	10.4	17.8	1.1	65.9
7/10/2025 03:00	505.5	0.0	10.1	16.6	3.0	87.1
7/10/2025 04:00	505.8	0.0	9.9	15.9	3.2	96.5
7/10/2025 05:00	505.9	0.0	9.8	16.6	4.1	91.7
7/10/2025 06:00	506.1	0.0	11.2	15.1	2.1	100.0
7/10/2025 07:00	506.0	0.0	14.5	15.9	2.2	202.8
7/10/2025 08:00	505.9	0.0	15.9	17.4	2.9	292.8
7/10/2025 09:00	506.1	0.0	16.8	17.2	3.0	267.7
7/10/2025 10:00	506.6	0.0	17.9	16.5	2.2	248.7
7/10/2025 11:00	506.4	0.0	18.1	16.8	3.2	263.3
7/10/2025 12:00	506.1	0.0	18.2	17.9	4.2	277.6
7/10/2025 13:00	505.9	0.0	18.0	18.0	4.0	279.7
7/10/2025 14:00	505.7	0.0	16.9	18.6	2.6	253.3
7/10/2025 15:00	505.6	0.0	14.6	21.9	2.7	268.8
7/10/2025 16:00	505.3	0.0	12.3	29.3	2.9	293.3
7/10/2025 17:00	505.7	0.0	9.8	35.9	1.9	307.1
7/10/2025 18:00	506.2	0.0	8.7	39.1	0.9	310.7
7/10/2025 19:00	506.7	0.0	8.2	40.8	0.9	295.5
7/10/2025 20:00	506.9	0.0	8.3	39.5	1.1	135.0
7/10/2025 21:00	506.8	0.0	10.0	24.6	2.5	89.8
7/10/2025 22:00	506.6	0.0	8.2	34.0	1.2	257.4
7/10/2025 23:00	506.5	0.0	7.3	34.1	0.9	286.8
8/10/2025 00:00	506.3	0.0	7.2	31.7	1.0	211.4
8/10/2025 01:00	505.9	0.0	7.3	28.5	1.0	125.1
8/10/2025 02:00	505.7	0.0	9.2	19.3	2.1	94.8
8/10/2025 03:00	505.5	0.0	9.5	17.4	2.5	106.1
8/10/2025 04:00	505.7	0.0	8.6	19.6	1.4	70.5
8/10/2025 05:00	506.0	0.0	8.9	19.6	2.1	36.8
8/10/2025 06:00	506.2	MA	10.5	18.8	1.7	94.0
8/10/2025 07:00	506.1	0.0	12.0	20.9	2.1	284.0
8/10/2025 08:00	506.1	0.0	13.6	21.4	2.0	301.0
8/10/2025 09:00	506.4	0.0	16.8	18.4	2.2	268.2
8/10/2025 10:00	506.6	0.0	17.3	17.8	2.8	265.2
8/10/2025 11:00	506.2	0.0	17.6	16.8	3.1	265.3
8/10/2025 12:00	505.9	0.0	17.6	18.0	4.3	276.6
8/10/2025 13:00	505.6	0.0	17.2	23.8	4.4	276.1
8/10/2025 14:00	505.4	0.0	15.4	32.1	5.2	284.6
8/10/2025 15:00	505.1	0.0	13.8	38.1	4.8	292.4
8/10/2025 16:00	505.1	0.0	12.1	43.0	4.7	294.6
8/10/2025 17:00	505.7	0.0	9.1	52.8	3.6	287.1
8/10/2025 18:00	506.4	0.0	7.2	57.1	1.1	290.7
8/10/2025 19:00	506.9	0.0	6.8	58.5	0.7	224.0
8/10/2025 20:00	507.1	MA	6.5	57.6	0.8	283.2
8/10/2025 21:00	507.1	MA	6.9	49.6	0.8	232.4
8/10/2025 22:00	507.0	MA	7.5	38.7	2.2	87.7
8/10/2025 23:00	506.8	MA	7.4	36.4	2.3	90.6
9/10/2025 00:00	506.6	MA	7.4	32.4	2.0	89.8
9/10/2025 01:00	506.3	MA	7.5	24.5	2.7	91.4
9/10/2025 02:00	506.1	MA	7.6	24.9	2.7	95.0
9/10/2025 03:00	506.1	MA	7.5	24.4	2.6	93.4
9/10/2025 04:00	506.4	MA	7.4	18.5	3.7	90.0
9/10/2025 05:00	506.6	MA	7.7	13.3	3.3	93.6
9/10/2025 06:00	507.0	MA	9.7	12.3	1.8	131.1
9/10/2025 07:00	507.0	MA	12.6	13.3	1.7	201.8
9/10/2025 08:00	507.0	MA	14.7	16.7	2.4	276.0
9/10/2025 09:00	506.9	MA	15.2	21.4	2.8	266.0

9/10/2025 10:00	507.3	MA	15.9	21.5	2.4	251.8
9/10/2025 11:00	507.3	MA	16.1	21.9	2.8	253.3
9/10/2025 12:00	507.1	MA	17.0	18.9	3.7	272.0
9/10/2025 13:00	507.1	MA	16.1	17.8	3.8	269.9
9/10/2025 14:00	506.9	MA	15.5	21.8	4.0	277.6
9/10/2025 15:00	506.6	MA	13.8	36.7	5.3	295.6
9/10/2025 16:00	506.4	MA	11.4	54.0	5.1	294.1
9/10/2025 17:00	507.0	MA	9.0	66.1	2.1	285.8
9/10/2025 18:00	507.5	MA	6.9	76.0	0.7	319.1
9/10/2025 19:00	507.9	MA	7.3	63.7	0.7	7.6
9/10/2025 20:00	508.1	MA	7.4	46.0	1.0	15.9
9/10/2025 21:00	508.2	MA	7.4	37.9	1.9	86.4
9/10/2025 22:00	508.0	MA	7.6	36.0	2.7	89.9
9/10/2025 23:00	507.6	MA	7.8	32.9	1.8	93.6
10/10/2025 00:00	507.2	MA	7.9	23.8	1.3	100.2
10/10/2025 01:00	506.8	MA	8.3	16.3	2.2	103.5
10/10/2025 02:00	506.6	MA	9.5	12.5	4.3	91.5
10/10/2025 03:00	506.8	MA	8.6	14.3	2.5	123.3
10/10/2025 04:00	507.0	MA	7.1	17.4	1.2	233.4
10/10/2025 05:00	507.2	MA	7.1	17.7	0.8	18.2
10/10/2025 06:00	507.6	MA	8.5	15.4	0.8	321.6
10/10/2025 07:00	507.9	MA	11.7	14.2	1.3	296.3
10/10/2025 08:00	507.7	MA	14.7	14.5	2.2	267.7
10/10/2025 09:00	507.6	MA	16.1	15.8	3.6	284.8
10/10/2025 10:00	507.8	MA	16.0	21.8	5.3	289.6
10/10/2025 11:00	507.5	MA	16.3	25.6	6.1	290.1
10/10/2025 12:00	507.2	MA	16.4	31.4	6.2	289.6
10/10/2025 13:00	506.9	MA	14.9	41.2	6.6	294.2
10/10/2025 14:00	506.7	MA	14.7	44.7	5.6	288.8
10/10/2025 15:00	MA	MA	MA	MA	MA	MA
10/10/2025 16:00	506.9	MA	10.8	60.2	4.7	290.8
10/10/2025 17:00	507.4	MA	9.5	63.9	1.5	274.1
10/10/2025 18:00	508.1	MA	7.5	72.7	1.5	298.6
10/10/2025 19:00	508.6	MA	7.0	74.4	0.8	189.9
10/10/2025 20:00	508.6	MA	6.3	76.6	0.9	280.4
10/10/2025 21:00	508.7	MA	5.8	75.4	1.0	293.7
10/10/2025 22:00	508.4	MA	6.1	73.6	0.7	144.8
10/10/2025 23:00	507.9	MA	6.8	56.2	1.3	140.3
11/10/2025 00:00	507.5	MA	6.4	32.5	1.0	49.5
11/10/2025 01:00	507.0	MA	6.1	38.3	0.9	113.4
11/10/2025 02:00	506.8	MA	5.9	39.7	0.7	231.4
11/10/2025 03:00	506.6	MA	6.8	23.6	2.0	87.4
11/10/2025 04:00	506.7	MA	7.2	22.2	2.6	94.8
11/10/2025 05:00	506.8	MA	7.3	22.2	3.0	93.5
11/10/2025 06:00	507.1	MA	9.1	20.0	2.3	101.8
11/10/2025 07:00	507.3	MA	12.6	17.2	1.6	310.3
11/10/2025 08:00	507.1	MA	14.4	13.7	1.7	275.8
11/10/2025 09:00	507.0	MA	15.6	16.0	4.3	289.9
11/10/2025 10:00	506.9	MA	15.1	24.9	5.9	292.4
11/10/2025 11:00	506.7	MA	15.5	31.6	6.0	291.1
11/10/2025 12:00	506.4	MA	15.3	35.2	6.5	293.3
11/10/2025 13:00	506.3	MA	15.2	38.8	6.1	295.9
11/10/2025 14:00	506.2	MA	15.0	38.9	6.0	294.3
11/10/2025 15:00	506.1	MA	13.7	41.6	5.7	293.0
11/10/2025 16:00	506.2	MA	12.4	45.2	4.1	291.2
11/10/2025 17:00	506.5	MA	11.1	51.6	1.9	275.4
11/10/2025 18:00	506.9	MA	8.2	63.6	0.9	314.0
11/10/2025 19:00	507.2	MA	7.5	64.9	0.9	235.0
11/10/2025 20:00	507.5	MA	7.3	61.2	1.0	309.9
11/10/2025 21:00	507.4	MA	7.1	57.8	0.7	77.3
11/10/2025 22:00	507.3	MA	7.8	35.8	1.6	87.7
11/10/2025 23:00	506.9	MA	7.6	22.0	1.2	36.0
12/10/2025 00:00	506.6	MA	6.9	30.4	1.0	4.6
12/10/2025 01:00	506.3	MA	6.7	26.2	1.9	83.0
12/10/2025 02:00	506.0	MA	7.4	15.6	3.1	89.7
12/10/2025 03:00	505.9	MA	7.7	14.5	3.5	93.5
12/10/2025 04:00	505.9	MA	6.9	17.5	2.4	49.0
12/10/2025 05:00	506.0	MA	6.4	26.8	1.5	25.7
12/10/2025 06:00	506.2	MA	7.6	21.7	0.8	100.3
12/10/2025 07:00	506.4	MA	11.0	19.1	1.3	295.9
12/10/2025 08:00	506.2	MA	14.2	19.7	1.8	270.4
12/10/2025 09:00	506.1	MA	14.4	20.3	4.1	293.1
12/10/2025 10:00	506.2	MA	16.2	22.6	4.8	289.9
12/10/2025 11:00	506.0	MA	15.8	26.1	6.0	295.0
12/10/2025 12:00	505.7	MA	15.8	29.5	5.8	294.7

12/10/2025 13:00	505.6	MA	15.2	31.8	6.0	293.3
12/10/2025 14:00	505.4	MA	14.7	36.8	5.8	294.2
12/10/2025 15:00	505.2	MA	13.2	43.0	5.6	292.5
12/10/2025 16:00	505.5	MA	12.2	43.6	3.9	284.9
12/10/2025 17:00	506.0	MA	9.9	49.9	2.5	281.7
12/10/2025 18:00	506.6	MA	7.6	56.9	1.4	285.8
12/10/2025 19:00	507.1	MA	7.3	56.7	0.6	319.8
12/10/2025 20:00	507.3	MA	7.3	53.5	0.6	16.8
12/10/2025 21:00	507.4	MA	7.8	44.5	1.0	65.7
12/10/2025 22:00	507.3	MA	7.4	50.1	0.8	65.1
12/10/2025 23:00	507.0	MA	7.2	46.9	1.6	97.5
13/10/2025 00:00	506.6	MA	7.0	44.8	1.5	90.2
13/10/2025 01:00	506.2	MA	6.9	39.4	2.8	80.0
13/10/2025 02:00	506.0	MA	6.8	35.7	1.9	77.5
13/10/2025 03:00	505.9	MA	6.9	30.4	2.9	91.1
13/10/2025 04:00	505.9	MA	7.5	24.4	3.3	89.7
13/10/2025 05:00	506.2	MA	7.8	23.3	3.1	88.7
13/10/2025 06:00	506.6	MA	9.1	22.4	2.2	108.9
13/10/2025 07:00	506.6	MA	12.8	22.8	1.8	201.7
13/10/2025 08:00	506.4	MA	14.7	21.3	2.2	279.7
13/10/2025 09:00	506.2	MA	15.7	19.5	3.6	280.5
13/10/2025 10:00	506.4	MA	15.8	20.2	5.4	293.0
13/10/2025 11:00	506.0	MA	16.0	21.5	5.7	293.9
13/10/2025 12:00	505.5	MA	15.4	25.8	6.1	294.8
13/10/2025 13:00	505.2	MA	14.5	31.9	6.2	293.3
13/10/2025 14:00	505.1	MA	14.1	34.4	5.4	291.0
13/10/2025 15:00	505.1	MA	12.5	38.4	4.5	286.8
13/10/2025 16:00	505.4	MA	11.5	41.9	2.6	278.5
13/10/2025 17:00	505.7	MA	9.2	52.0	2.2	290.4
13/10/2025 18:00	506.2	MA	7.7	57.5	2.1	297.5
13/10/2025 19:00	506.8	MA	7.2	54.7	1.0	230.8
13/10/2025 20:00	507.0	MA	7.8	52.5	1.3	264.3
13/10/2025 21:00	507.3	MA	6.9	54.1	0.7	195.1
13/10/2025 22:00	507.3	MA	6.7	45.2	0.7	315.3
13/10/2025 23:00	506.9	MA	6.7	44.4	0.9	47.4
14/10/2025 00:00	506.4	MA	7.3	35.7	1.5	103.3
14/10/2025 01:00	506.1	MA	7.6	34.1	2.3	111.1
14/10/2025 02:00	505.8	MA	7.7	38.9	1.2	53.6
14/10/2025 03:00	505.7	MA	7.3	39.4	1.1	297.7
14/10/2025 04:00	505.8	MA	6.8	37.8	0.9	266.6
14/10/2025 05:00	506.0	MA	7.5	39.5	0.8	28.5
14/10/2025 06:00	506.4	MA	9.2	35.6	1.4	154.2
14/10/2025 07:00	506.6	MA	12.0	33.7	2.0	278.5
14/10/2025 08:00	506.5	MA	13.7	29.2	2.3	259.7
14/10/2025 09:00	506.5	MA	15.2	22.9	2.4	244.9
14/10/2025 10:00	506.7	MA	16.4	20.7	2.7	263.0
14/10/2025 11:00	506.4	MA	15.7	24.5	4.8	284.6
14/10/2025 12:00	505.7	MA	14.5	27.8	5.7	294.1
14/10/2025 13:00	505.4	MA	13.4	30.0	3.2	271.9
14/10/2025 14:00	505.3	MA	15.7	27.6	2.3	245.3
14/10/2025 15:00	505.6	MA	16.1	26.7	3.4	277.7
14/10/2025 16:00	505.6	MA	13.3	36.1	3.5	285.9
14/10/2025 17:00	505.7	MA	9.7	50.2	1.8	292.3
14/10/2025 18:00	506.3	MA	8.2	54.5	0.7	233.2
14/10/2025 19:00	507.0	MA	7.5	59.9	1.1	307.1
14/10/2025 20:00	507.3	MA	7.4	56.5	0.9	356.7
14/10/2025 21:00	507.4	MA	7.6	51.8	0.8	255.2
14/10/2025 22:00	507.3	MA	7.1	51.1	0.8	276.2
14/10/2025 23:00	506.9	MA	6.8	40.2	0.8	259.3
15/10/2025 00:00	506.5	MA	6.9	35.0	0.9	248.2
15/10/2025 01:00	506.2	MA	7.2	39.5	1.3	341.7
15/10/2025 02:00	505.9	MA	6.7	38.5	1.0	334.2
15/10/2025 03:00	505.8	MA	6.8	31.8	0.6	258.9
15/10/2025 04:00	505.9	MA	6.9	29.7	0.8	105.9
15/10/2025 05:00	506.2	MA	7.8	36.1	1.2	97.5
15/10/2025 06:00	506.4	MA	9.6	35.8	1.6	149.1
15/10/2025 07:00	506.2	MA	12.5	32.4	2.0	265.7
15/10/2025 08:00	506.1	MA	13.8	27.8	3.1	281.8
15/10/2025 09:00	506.0	MA	13.7	27.7	4.7	290.2
15/10/2025 10:00	506.0	MA	15.4	24.8	4.3	288.9
15/10/2025 11:00	505.9	MA	15.3	28.3	4.8	290.6
15/10/2025 12:00	505.7	MA	15.8	30.2	3.8	284.1
15/10/2025 13:00	505.4	MA	14.2	32.1	3.9	277.9
15/10/2025 14:00	504.9	MA	14.0	31.3	4.4	292.6
15/10/2025 15:00	505.0	MA	14.9	29.2	4.7	292.8

15/10/2025 16:00	505.0	MA	12.1	38.7	2.8	280.4
15/10/2025 17:00	505.4	MA	10.5	47.8	2.0	307.7
15/10/2025 18:00	506.0	MA	9.3	43.5	0.6	325.4
15/10/2025 19:00	506.5	MA	9.4	33.9	0.7	342.2
15/10/2025 20:00	506.8	MA	9.2	26.3	0.7	184.9
15/10/2025 21:00	507.0	MA	9.3	25.1	0.5	270.8
15/10/2025 22:00	506.7	MA	9.1	24.8	0.8	159.6
15/10/2025 23:00	506.4	MA	8.2	28.8	0.6	142.3
16/10/2025 00:00	506.1	MA	8.6	34.4	1.6	75.5
16/10/2025 01:00	505.8	MA	8.4	42.3	0.9	93.6
16/10/2025 02:00	505.4	MA	8.0	38.0	1.2	319.8
16/10/2025 03:00	505.5	MA	7.4	34.4	0.7	304.1
16/10/2025 04:00	505.7	MA	7.6	38.5	0.9	84.0
16/10/2025 05:00	505.8	MA	8.2	44.2	1.7	97.0
16/10/2025 06:00	506.0	MA	9.6	41.8	0.8	232.8
16/10/2025 07:00	506.1	MA	12.4	33.6	1.6	293.5
16/10/2025 08:00	505.9	MA	14.1	27.2	2.2	294.7
16/10/2025 09:00	506.0	MA	16.6	25.4	2.8	277.3
16/10/2025 10:00	506.1	MA	17.3	25.9	3.7	285.1
16/10/2025 11:00	505.8	MA	16.4	27.9	3.7	283.9
16/10/2025 12:00	505.5	MA	17.2	24.0	4.4	286.3
16/10/2025 13:00	505.2	MA	18.0	23.0	4.4	287.4
16/10/2025 14:00	505.1	MA	14.9	30.8	3.9	292.2
16/10/2025 15:00	505.1	MA	16.4	30.0	3.9	289.2
16/10/2025 16:00	505.2	MA	14.9	34.6	2.7	281.1
16/10/2025 17:00	505.2	MA	12.4	43.5	1.9	292.7
16/10/2025 18:00	505.6	MA	9.8	52.4	0.9	302.9
16/10/2025 19:00	506.1	MA	9.1	54.3	0.7	224.4
16/10/2025 20:00	506.4	MA	9.2	51.6	0.5	340.2
16/10/2025 21:00	506.6	MA	9.6	44.7	0.8	249.0
16/10/2025 22:00	506.5	MA	9.6	47.4	0.8	256.2
16/10/2025 23:00	506.2	MA	9.4	49.0	0.8	280.9
17/10/2025 00:00	505.8	MA	9.0	51.5	0.5	300.9
17/10/2025 01:00	505.5	MA	9.1	51.0	0.8	314.4
17/10/2025 02:00	505.3	MA	8.8	49.5	0.8	152.7
17/10/2025 03:00	505.4	MA	9.5	46.0	1.1	105.1
17/10/2025 04:00	505.5	MA	9.7	47.1	1.0	116.7
17/10/2025 05:00	505.8	MA	8.7	49.0	0.8	296.2
17/10/2025 06:00	506.1	MA	9.6	46.9	0.8	261.7
17/10/2025 07:00	506.2	MA	13.1	38.4	1.4	288.9
17/10/2025 08:00	506.1	MA	14.2	34.9	2.5	303.7
17/10/2025 09:00	506.4	MA	16.6	30.1	2.5	288.7
17/10/2025 10:00	506.6	MA	17.9	26.6	3.1	282.3
17/10/2025 11:00	506.5	MA	16.8	25.4	4.7	287.9
17/10/2025 12:00	506.2	MA	16.5	23.3	5.9	292.0
17/10/2025 13:00	506.1	MA	16.6	24.5	5.6	294.2
17/10/2025 14:00	505.8	MA	17.1	26.8	5.2	293.3
17/10/2025 15:00	505.7	MA	15.3	34.1	5.2	289.1
17/10/2025 16:00	505.6	MA	13.9	37.8	3.3	290.6
17/10/2025 17:00	505.9	MA	11.8	44.1	1.6	285.0
17/10/2025 18:00	506.4	MA	10.6	48.3	0.8	285.4
17/10/2025 19:00	506.7	MA	10.4	48.7	1.0	343.5
17/10/2025 20:00	507.0	MA	9.9	48.8	0.8	297.9
17/10/2025 21:00	507.2	MA	10.2	43.8	0.9	86.6
17/10/2025 22:00	507.1	MA	10.7	41.9	1.0	123.4
17/10/2025 23:00	506.8	MA	9.4	45.2	1.1	313.4
18/10/2025 00:00	506.6	MA	9.0	45.9	0.6	242.0
18/10/2025 01:00	506.4	MA	9.7	43.0	1.7	66.7
18/10/2025 02:00	506.2	MA	9.4	40.5	1.7	72.0
18/10/2025 03:00	506.2	MA	9.7	34.3	1.8	86.2
18/10/2025 04:00	506.4	MA	10.0	26.2	1.4	79.6
18/10/2025 05:00	506.6	MA	10.2	25.4	1.9	82.7
18/10/2025 06:00	506.8	MA	11.5	24.7	1.2	191.0
18/10/2025 07:00	506.9	MA	14.4	25.5	1.8	292.6
18/10/2025 08:00	506.9	MA	16.8	26.2	1.7	254.4
18/10/2025 09:00	507.3	MA	18.1	24.8	3.3	280.4
18/10/2025 10:00	507.3	MA	17.9	26.7	4.9	286.2
18/10/2025 11:00	507.1	MA	18.3	24.6	5.4	292.1
18/10/2025 12:00	506.7	MA	19.9	18.2	4.1	276.7
18/10/2025 13:00	506.3	MA	19.6	17.2	2.8	241.6
18/10/2025 14:00	506.1	MA	18.9	19.2	3.4	265.8
18/10/2025 15:00	506.1	MA	17.6	23.8	4.2	284.2
18/10/2025 16:00	506.2	MA	16.1	21.1	3.9	273.9
18/10/2025 17:00	506.2	MA	13.9	18.2	3.7	185.2
18/10/2025 18:00	507.0	MA	13.0	10.6	1.5	154.8

18/10/2025 19:00	507.7	MA	13.0	9.9	2.4	112.1
18/10/2025 20:00	508.0	MA	13.0	11.0	3.7	128.1
18/10/2025 21:00	508.2	MA	12.0	13.9	1.5	288.0
18/10/2025 22:00	508.2	MA	11.3	14.3	1.4	331.4
18/10/2025 23:00	508.0	MA	10.9	12.8	1.0	23.4
19/10/2025 00:00	507.7	MA	10.3	13.1	1.7	71.3
19/10/2025 01:00	507.6	MA	10.2	12.7	2.5	82.2
19/10/2025 02:00	507.4	MA	9.7	13.2	3.2	81.2
19/10/2025 03:00	507.5	MA	9.4	13.7	3.0	83.8
19/10/2025 04:00	507.5	MA	9.3	14.5	3.4	84.6
19/10/2025 05:00	507.7	MA	9.3	15.1	3.4	86.5
19/10/2025 06:00	507.9	MA	10.6	14.7	1.6	99.1
19/10/2025 07:00	507.9	MA	13.4	14.2	1.9	301.2
19/10/2025 08:00	507.7	MA	15.9	12.2	2.1	292.5
19/10/2025 09:00	508.1	MA	16.7	17.8	4.9	291.4
19/10/2025 10:00	508.1	MA	18.1	16.5	4.8	288.6
19/10/2025 11:00	507.9	MA	18.2	19.9	5.6	293.2
19/10/2025 12:00	507.5	MA	18.6	20.7	5.5	286.3
19/10/2025 13:00	507.2	MA	18.2	20.5	5.3	285.2
19/10/2025 14:00	507.0	MA	17.7	22.6	5.3	288.8
19/10/2025 15:00	506.9	MA	15.8	25.2	5.7	292.3
19/10/2025 16:00	506.7	MA	14.5	26.0	4.3	291.2
19/10/2025 17:00	506.9	MA	12.3	32.1	2.7	281.3
19/10/2025 18:00	507.6	MA	9.9	39.8	1.3	304.7
19/10/2025 19:00	508.0	MA	10.2	35.8	0.7	89.1
19/10/2025 20:00	508.4	MA	10.5	27.8	1.1	39.6
19/10/2025 21:00	508.6	MA	9.9	26.1	0.9	98.3
19/10/2025 22:00	508.5	MA	9.6	23.6	1.0	56.7
19/10/2025 23:00	508.2	MA	9.3	22.9	1.5	90.6
20/10/2025 00:00	507.8	MA	9.3	21.2	1.4	69.4
20/10/2025 01:00	507.6	MA	8.8	22.0	1.4	37.6
20/10/2025 02:00	507.4	MA	8.6	21.3	2.3	81.5
20/10/2025 03:00	507.3	MA	8.5	20.9	2.8	88.4
20/10/2025 04:00	507.5	MA	8.5	21.3	2.3	87.6
20/10/2025 05:00	507.7	MA	8.4	21.5	2.6	88.2
20/10/2025 06:00	507.9	MA	9.8	20.2	1.7	120.3
20/10/2025 07:00	507.9	MA	13.4	19.9	1.6	238.6
20/10/2025 08:00	507.7	MA	15.1	20.5	2.8	282.6
20/10/2025 09:00	507.8	MA	15.8	21.2	4.4	288.4
20/10/2025 10:00	507.7	MA	15.8	23.8	5.3	291.4
20/10/2025 11:00	507.3	MA	16.2	22.6	5.6	292.6
20/10/2025 12:00	506.9	MA	16.5	22.4	6.1	293.9
20/10/2025 13:00	506.6	MA	15.7	23.1	5.9	294.6
20/10/2025 14:00	506.2	MA	15.4	25.1	5.7	292.7
20/10/2025 15:00	506.0	MA	14.4	28.8	5.4	294.1
20/10/2025 16:00	505.9	MA	13.5	31.8	4.0	289.9
20/10/2025 17:00	506.2	MA	11.3	37.0	2.8	289.1
20/10/2025 18:00	506.9	MA	9.0	42.0	0.8	281.4
20/10/2025 19:00	507.2	MA	8.6	42.7	0.8	238.7
20/10/2025 20:00	507.5	MA	7.9	49.2	0.8	254.3
20/10/2025 21:00	507.6	MA	8.4	40.2	0.6	358.4
20/10/2025 22:00	507.4	MA	7.6	43.3	0.8	177.6
20/10/2025 23:00	507.1	MA	7.9	36.6	1.1	119.5
21/10/2025 00:00	506.7	MA	8.3	32.7	2.0	81.7
21/10/2025 01:00	506.5	MA	8.6	28.5	1.9	80.6
21/10/2025 02:00	506.2	MA	7.7	32.8	1.1	327.9
21/10/2025 03:00	506.0	MA	7.3	31.5	1.0	68.9
21/10/2025 04:00	506.1	MA	7.6	30.9	1.3	101.6
21/10/2025 05:00	506.4	MA	8.3	26.6	1.3	20.8
21/10/2025 06:00	506.8	MA	8.8	27.8	0.9	219.4
21/10/2025 07:00	506.7	MA	12.6	24.6	1.8	293.6
21/10/2025 08:00	506.6	MA	15.2	22.1	2.1	285.3
21/10/2025 09:00	507.0	MA	17.4	20.6	2.4	271.7
21/10/2025 10:00	507.0	MA	16.9	22.9	5.0	291.9
21/10/2025 11:00	506.8	MA	17.1	22.0	5.8	292.9
21/10/2025 12:00	506.5	MA	16.5	22.3	5.9	294.5
21/10/2025 13:00	506.0	MA	16.1	22.8	6.2	294.5
21/10/2025 14:00	505.7	MA	15.0	24.4	6.2	293.9
21/10/2025 15:00	505.4	MA	14.3	28.2	4.3	284.6
21/10/2025 16:00	505.2	MA	14.0	28.5	2.7	280.6
21/10/2025 17:00	505.5	MA	10.6	37.3	2.0	288.2
21/10/2025 18:00	506.1	MA	8.2	44.4	1.0	279.9
21/10/2025 19:00	506.7	MA	8.6	39.5	0.5	329.0
21/10/2025 20:00	507.0	MA	8.3	40.5	1.1	274.8
21/10/2025 21:00	507.2	MA	7.6	41.2	1.2	319.4

21/10/2025 22:00	507.0	MA	7.0	41.8	0.9	346.8
21/10/2025 23:00	506.6	MA	7.5	41.3	1.1	109.4
22/10/2025 00:00	506.2	MA	7.9	36.3	1.5	68.0
22/10/2025 01:00	506.0	MA	8.1	34.3	1.1	81.1
22/10/2025 02:00	505.6	MA	8.2	32.9	1.4	81.2
22/10/2025 03:00	505.6	MA	8.2	31.1	1.5	101.9
22/10/2025 04:00	505.7	MA	8.7	25.9	1.9	97.0
22/10/2025 05:00	505.9	MA	8.8	22.6	1.8	108.3
22/10/2025 06:00	506.3	MA	9.2	24.5	1.1	240.1
22/10/2025 07:00	506.3	MA	12.2	24.7	1.4	289.4
22/10/2025 08:00	506.3	MA	14.5	25.7	2.6	290.6
22/10/2025 09:00	506.7	MA	16.6	24.6	2.5	284.8
22/10/2025 10:00	506.9	MA	17.9	22.3	3.3	281.9
22/10/2025 11:00	506.8	MA	17.6	21.8	5.1	288.7
22/10/2025 12:00	506.6	MA	17.7	20.8	5.1	289.7
22/10/2025 13:00	506.2	MA	17.9	22.7	4.8	286.7
22/10/2025 14:00	506.0	MA	17.3	24.8	4.0	282.9
22/10/2025 15:00	505.8	MA	16.0	28.0	2.7	274.9
22/10/2025 16:00	505.8	MA	14.1	34.9	3.4	298.5
22/10/2025 17:00	505.8	MA	11.3	43.3	1.6	268.7
22/10/2025 18:00	506.5	MA	10.4	43.0	0.9	27.5
22/10/2025 19:00	506.9	MA	10.2	40.4	1.2	309.5
22/10/2025 20:00	507.4	MA	8.6	48.6	0.7	277.0
22/10/2025 21:00	507.6	MA	9.6	39.8	1.2	99.2
22/10/2025 22:00	507.4	MA	9.8	34.8	0.9	338.6
22/10/2025 23:00	507.1	MA	9.3	32.3	0.8	100.1
23/10/2025 00:00	506.8	MA	9.2	25.8	1.4	60.8
23/10/2025 01:00	506.6	MA	9.4	21.8	2.1	85.1
23/10/2025 02:00	506.3	MA	9.6	20.1	3.2	84.8
23/10/2025 03:00	506.2	MA	9.6	19.0	3.2	87.5
23/10/2025 04:00	506.3	MA	10.0	18.4	3.9	84.7
23/10/2025 05:00	506.4	MA	10.3	18.5	4.2	85.7
23/10/2025 06:00	506.7	MA	12.2	18.3	2.6	111.4
23/10/2025 07:00	506.7	MA	15.6	16.8	1.6	273.9
23/10/2025 08:00	506.8	MA	17.9	13.5	2.2	285.9
23/10/2025 09:00	506.9	MA	18.6	15.5	3.6	284.5
23/10/2025 10:00	506.7	MA	19.1	19.0	4.5	284.8
23/10/2025 11:00	506.5	MA	20.3	18.5	3.2	262.8
23/10/2025 12:00	506.4	MA	19.8	22.9	3.1	260.3
23/10/2025 13:00	506.3	MA	19.1	25.2	3.3	267.3
23/10/2025 14:00	506.4	MA	18.6	27.0	3.2	265.5
23/10/2025 15:00	506.3	MA	16.8	31.2	3.2	274.1
23/10/2025 16:00	506.3	MA	14.1	40.0	4.1	286.4
23/10/2025 17:00	506.4	MA	11.7	49.5	1.0	266.7
23/10/2025 18:00	506.9	MA	12.2	31.0	1.4	56.7
23/10/2025 19:00	507.1	MA	9.5	54.1	1.1	293.5
23/10/2025 20:00	507.4	MA	8.5	60.2	1.0	344.1
23/10/2025 21:00	507.6	MA	9.3	42.3	0.6	182.3
23/10/2025 22:00	507.6	MA	9.7	33.7	0.8	244.3
23/10/2025 23:00	507.1	MA	10.2	23.4	1.5	106.8
24/10/2025 00:00	506.7	MA	10.4	21.2	1.2	123.3
24/10/2025 01:00	506.4	MA	10.5	21.1	1.2	286.7
24/10/2025 02:00	506.2	MA	8.2	35.7	1.0	264.3
24/10/2025 03:00	506.2	MA	8.2	29.7	1.2	336.1
24/10/2025 04:00	506.2	MA	9.6	23.6	1.9	81.6
24/10/2025 05:00	506.5	MA	9.0	23.2	0.7	348.9
24/10/2025 06:00	506.8	MA	10.2	24.3	1.0	269.0
24/10/2025 07:00	506.9	MA	12.2	31.1	2.4	292.5
24/10/2025 08:00	506.9	MA	14.4	34.2	2.6	286.8
24/10/2025 09:00	507.1	MA	15.4	34.0	3.8	285.9
24/10/2025 10:00	507.0	MA	15.3	35.9	4.7	290.5
24/10/2025 11:00	506.8	MA	15.8	36.1	5.0	294.1
24/10/2025 12:00	506.5	MA	16.1	37.0	5.7	292.8
24/10/2025 13:00	506.3	MA	15.3	39.4	6.0	292.5
24/10/2025 14:00	505.9	MA	13.8	46.1	5.6	293.8
24/10/2025 15:00	505.9	MA	12.5	50.8	4.7	289.8
24/10/2025 16:00	506.1	MA	13.2	47.4	2.7	280.8
24/10/2025 17:00	MA	MA	MA	MA	MA	MA
24/10/2025 18:00	MA	MA	MA	MA	MA	MA
24/10/2025 19:00	MA	MA	MA	MA	MA	MA
24/10/2025 20:00	MA	MA	MA	MA	MA	MA
24/10/2025 21:00	MA	MA	MA	MA	MA	MA
24/10/2025 22:00	MA	MA	MA	MA	MA	MA
24/10/2025 23:00	MA	MA	MA	MA	MA	MA
25/10/2025 00:00	MA	MA	MA	MA	MA	MA

28/10/2025 04:00	MA	MA	MA	MA	MA	MA
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28/10/2025 11:00	MA	MA	MA	MA	MA	MA
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31/10/2025 03:00	MA	MA	MA	MA	MA	MA
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31/10/2025 21:00	MA	MA	MA	MA	MA	MA
31/10/2025 22:00	MA	MA	MA	MA	MA	MA
31/10/2025 23:00	MA	MA	MA	MA	MA	MA
MÍNIMO	504.9	0.0	5.8	2.6	0.5	-
MÁXIMO	508.7	0.0	20.3	76.6	6.6	-
PROMEDIO*	506.7	0.0	11.7	29.1	2.6	-

MA: Mantenimiento preventivo

* : Precipitacion acumulada