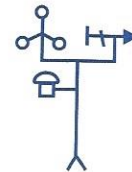




# TECHNICAL ENVIRONMENTAL SERVICES, LLC



August 30, 2021

Mr. Jamie C. Foster  
Department of Environmental Protection  
Division of Solid Waste Services  
16101 Frederick Road  
Derwood, MD 20855

Dear Jamie:

Enclosed is the monthly meteorological report for the Gude Drive Landfill sites meteorological instrumentation for July 2021. All the instrumentation functioned normally during July. Data recovery for all the parameters was near 100%. July precipitation total was 4.04 inches.

Attached is a wind rose for the month of July 2021 and a table showing the data collection percentage for each parameter in 2021.

If you have any questions, please call or e-mail them to me.

Best regards,

Mark Abrams  
President - TES

GUDE DRIVE METEOROLOGICAL TOWER  
DATA RECOVERY  
JANUARY-JULY 2021

PARAMETER	RECOVERY (percent)
Wind Speed 3m	100.0
Wind Direction 3m	100.0
Temperature 2m	100.0
Relative Humidity 2m	100.0
Precipitation	100.0



Date Time	Avg_WS (MPH)	Avg_WD (DEG)	Sigma (DEG)	Max_Wspd (MPH)	Avg_Temp (DEG F)	Min_Temp (DEG F)	Max_Temp (DEG F)	Avg_RelH (%)	Total_Rain (INCH)	
7/1/2021 0:00	1.9	338.8	29.35	3.893	75.43	74.76	76.32	78.67	0	12.97
7/1/2021 1:00	1.1	6.409	34.02	3.389	74.59	73.48	75.71	81.1	0	12.96
7/1/2021 2:00	2.4	12.03	28.34	4.076	73.62	72.79	74.35	84.3	0	12.94
7/1/2021 3:00	1.8	26.87	22.42	3.481	72.62	71.56	73.25	88	0	12.93
7/1/2021 4:00	1.4	41.94	33.48	2.84	71.08	70.34	71.78	93.7	0	12.92
7/1/2021 5:00	0.8	16.23	38.41	2.885	70.7	70.2	71.18	95.1	0	12.9
7/1/2021 6:00	1.0	318.7	34.53	3.114	71.11	70.62	71.6	93.5	0	12.89
7/1/2021 7:00	0.7	293.8	57.81	2.473	72.07	71.51	72.83	92.4	0	12.94
7/1/2021 8:00	1.7	242.5	30.01	4.946	75.29	72.83	77.73	83.9	0	13.44
7/1/2021 9:00	2.8	260.1	28.16	6.32	77.98	77.04	79.99	76.86	0	13.6
7/1/2021 10:00	2.8	288.5	33.42	6.091	79.94	78.86	81.3	72.28	0	13.54
7/1/2021 11:00	3.0	276.3	37.08	6.733	81.7	80.2	83.2	66.81	0	13.51
7/1/2021 12:00	2.8	104.1	55.02	9.43	82.1	80.4	83.9	70.18	0	13.51
7/1/2021 13:00	2.9	71.45	66.72	8.61	84.4	82.8	86.4	67.87	0	13.48
7/1/2021 14:00	4.0	81.4	98.6	15.11	81.3	72.76	85.5	73.73	0.1	13.46
7/1/2021 15:00	2.6	23.9	83.5	6.137	76.35	72.78	79.3	84.6	0.03	13.51
7/1/2021 16:00	3.1	249.8	59.68	9.53	72.91	71.52	74.14	93.4	0.1	13.41
7/1/2021 17:00	1.6	90.9	62.72	6	72.58	71.13	75.21	92.6	0	13.54
7/1/2021 18:00	1.9	240.6	26.47	4.259	75.42	75.06	75.94	87.5	0	13.57
7/1/2021 19:00	1.6	222.1	28	4.03	75.27	75.06	75.52	89.7	0	13.58
7/1/2021 20:00	1.9	190.7	41.45	4.397	74.83	74.57	75.14	93.1	0	13.57
7/1/2021 21:00	3.8	279.5	27.06	19.47	74.64	72.04	75.11	92.7	0.01	13.39
7/1/2021 22:00	5.6	307.7	12.08	14.56	71.03	70.71	72.01	95.8	0.12	13.27
7/1/2021 23:00	3.2	279.8	28.03	6.046	70.62	70.18	70.87	97.2	0.01	13.17
7/2/2021 0:00	2.8	265.6	20.89	5.817	70	69.87	70.21	97.6	0.01	13.09
7/2/2021 1:00	2.5	249.5	21.03	5.267	69.84	69.7	69.94	97.6	0.01	13.02
7/2/2021 2:00	2.6	302.4	17.82	4.763	69.6	69.35	69.77	96.7	0	12.98
7/2/2021 3:00	0.9	260.2	37.84	3.985	69.13	68.87	69.42	96.4	0.01	12.96
7/2/2021 4:00	1.9	229.1	18.27	4.122	68.91	68.7	69.11	97	0	12.96
7/2/2021 5:00	1.9	235.3	33.51	4.855	68.55	68.22	68.73	94.6	0.01	12.95
7/2/2021 6:00	1.2	270.9	64.5	3.664	67.96	67.7	68.27	96.5	0	12.94
7/2/2021 7:00	1.9	252.6	26.41	4.855	68.34	67.92	68.68	97.8	0.01	12.94
7/2/2021 8:00	2.9	279.9	35.45	7.099	68.82	68.64	68.95	97.7	0	13
7/2/2021 9:00	4.3	311.9	11.77	9.16	68.81	68.64	69.05	95.7	0	13.45
7/2/2021 10:00	5.0	314.4	13.16	10.12	69.39	68.98	69.69	92.7	0	13.69
7/2/2021 11:00	5.5	331.2	15.81	10.81	70.09	69.66	70.44	88.2	0	13.66
7/2/2021 12:00	4.8	328.4	16.94	9.39	71.23	69.89	72.48	84.5	0	13.64
7/2/2021 13:00	6.5	320.8	16.45	12.14	73.58	72.49	74.61	76.57	0	13.58
7/2/2021 14:00	6.5	320.2	19.21	13.37	75.22	73.66	76.15	68.72	0	13.58
7/2/2021 15:00	7.4	315.7	18.28	15.71	76.4	75.72	78.03	62.22	0	13.57
7/2/2021 16:00	7.8	313.8	18.58	17.5	78.05	76.86	79.26	53.47	0	13.55
7/2/2021 17:00	9.5	313.9	19.36	19.65	77.81	76.62	79	47.66	0	13.54
7/2/2021 18:00	11.0	312.9	17.28	18.27	77.63	76.95	78.21	40.21	0	13.54
7/2/2021 19:00	8.9	313.9	13.43	17.08	77.2	76.45	77.94	38.53	0	13.55
7/2/2021 20:00	7.8	308	15.82	17.91	75.47	74.73	76.48	42.36	0	13.55
7/2/2021 21:00	4.7	323.7	12.42	10.26	72.79	70.76	74.73	48.83	0	13.44
7/2/2021 22:00	4.3	312.2	11.51	9.89	69.4	67.42	70.89	54.43	0	13.31
7/2/2021 23:00	3.9	315.1	10.17	9.21	67.24	66.78	67.82	58.35	0	13.21
7/3/2021 0:00	4.1	318.6	10.96	7.649	65.8	64.24	67.1	62.89	0	13.13
7/3/2021 1:00	3.9	313.1	11.86	7.282	64.26	63.4	64.73	67.73	0	13.05
7/3/2021 2:00	3.9	315.8	10.12	8.11	62.71	62.23	63.53	72.78	0	12.99
7/3/2021 3:00	4.8	318.8	10.5	10.58	62.14	61.47	62.79	75.58	0	12.96
7/3/2021 4:00	3.5	338.7	15.78	7.74	61.35	60.76	61.82	77.76	0	12.95

7/3/2021 5:00	5.7	327.4	11.51	10.08	60.79	60.31	61.13	79.5	0	12.94
7/3/2021 6:00	5.3	327.1	11.28	10.99	60.06	59.06	60.71	81.5	0	12.93
7/3/2021 7:00	4.0	325.8	8.53	7.191	59.73	58.9	61.28	82.8	0	12.95
7/3/2021 8:00	5.3	328.2	14.45	9.48	62.76	61.28	64.29	75.58	0	13.54
7/3/2021 9:00	5.9	329.6	21.42	11.91	65.46	64.26	67.05	70.73	0	13.73
7/3/2021 10:00	6.0	328.7	20.79	11.72	66.88	66.09	67.63	69.74	0	13.7
7/3/2021 11:00	6.1	317	20.71	11.91	67.9	66.54	70.12	68.53	0	13.67
7/3/2021 12:00	7.6	323.7	18.84	17.27	70.07	68.81	71.6	64.52	0	13.64
7/3/2021 13:00	9.0	324.7	19.93	15.85	71.62	69.95	73.98	61.07	0	13.64
7/3/2021 14:00	7.7	324.3	25.46	17.63	73.15	71.38	74.63	58	0	13.61
7/3/2021 15:00	7.4	323.8	19.43	15.16	73.79	72.65	74.92	56.61	0	13.6
7/3/2021 16:00	8.9	325.5	16.91	18.82	74.95	73.87	76.38	52.95	0	13.59
7/3/2021 17:00	10.0	322	15.92	17.17	76.86	75.65	77.71	49.21	0	13.55
7/3/2021 18:00	8.6	321.7	15.76	15.8	77.29	76.79	77.75	49	0	13.55
7/3/2021 19:00	6.2	325.7	17.43	12.27	76.04	75.15	77.71	51.35	0	13.55
7/3/2021 20:00	2.3	355.1	25.59	6.183	75.22	72.68	77.04	54.33	0	13.55
7/3/2021 21:00	4.2	1.272	58.4	27.34	64.5	63.09	73.46	89.7	0.29	13.43
7/3/2021 22:00	1.8	73.72	34.04	7.603	63.74	63.51	64.06	96	0	13.31
7/3/2021 23:00	1.0	10.24	66.8	4.855	63.48	63.39	63.62	97.1	0	13.21
7/4/2021 0:00	1.0	336.7	27.65	2.519	62.86	62.38	63.43	97.6	0	13.12
7/4/2021 1:00	2.0	328.8	8.23	3.298	62.21	61.41	62.86	97.4	0	13.05
7/4/2021 2:00	1.1	326.2	13.53	2.153	61.9	61.06	62.54	96.6	0	12.99
7/4/2021 3:00	1.1	311.2	19.26	2.29	61.29	60.96	61.57	97.7	0	12.96
7/4/2021 4:00	0.7	320.1	18.52	2.107	61.37	61.03	61.58	98.6	0	12.94
7/4/2021 5:00	0.4	336.1	14.2	1.924	60.83	60.31	61.55	98.4	0.01	12.93
7/4/2021 6:00	0.7	347.8	23.86	1.969	61.15	60.6	61.41	97.5	0	12.92
7/4/2021 7:00	1.4	301.4	22.44	2.656	61.8	59.92	65.15	94.5	0	12.94
7/4/2021 8:00	2.9	298.9	15.79	8.15	66.89	65.15	69.16	80.4	0	13.69
7/4/2021 9:00	5.5	302.6	14.89	12	69.41	68.39	70.67	70.04	0	13.7
7/4/2021 10:00	5.4	302.3	19.38	11.04	72.63	70.69	74.45	63.58	0	13.64
7/4/2021 11:00	6.0	307.7	21.65	11.36	75.32	74.32	76.71	57.18	0	13.58
7/4/2021 12:00	4.8	294.1	41.19	10.44	77.61	76.4	78.6	54.03	0	13.55
7/4/2021 13:00	5.0	287.7	32.53	10.12	79.25	77.86	80.2	51.19	0	13.54
7/4/2021 14:00	3.2	309.1	57.61	10.44	80.5	79.51	81.9	49.55	0	13.52
7/4/2021 15:00	3.8	269.3	44.06	9.66	81.1	79.77	83.4	49.38	0	13.51
7/4/2021 16:00	3.7	300.9	61.29	9.25	82.3	81.3	83.5	46.1	0	13.49
7/4/2021 17:00	1.9	44.28	67.96	5.221	82.4	80.9	84.1	49.8	0	13.49
7/4/2021 18:00	1.7	44.16	34.04	5.496	81.4	80.1	83.1	54.4	0	13.48
7/4/2021 19:00	1.6	50.32	45.25	4.351	83.3	80.7	84.1	48.31	0	13.48
7/4/2021 20:00	1.8	131.4	45.03	6.641	81.5	78.68	83.1	52.35	0	13.46
7/4/2021 21:00	2.6	117.4	14.82	5.496	77.16	76.17	78.69	64.39	0	13.36
7/4/2021 22:00	2.2	124.8	19.81	5.817	74.98	73.73	76.23	68.93	0	13.23
7/4/2021 23:00	1.5	80.8	59.54	3.114	72.83	71.84	73.72	74.84	0	13.13
7/5/2021 0:00	1.4	43.94	26.04	3.069	69.58	67.59	72.02	84.7	0	13.05
7/5/2021 1:00	1.5	32.58	22.05	3.389	67.35	65.97	68.7	92.4	0	12.99
7/5/2021 2:00	0.8	24.49	49.93	2.153	65.47	64.56	66.07	97.1	0	12.95
7/5/2021 3:00	0.4	39.37	10.97	2.427	65.08	64.27	65.4	98.2	0	12.94
7/5/2021 4:00	0.8	58.58	25.41	1.924	64.23	63.73	64.67	98.6	0	12.93
7/5/2021 5:00	0.4	26.18	34.13	2.244	63.25	62.72	63.72	98.9	0	12.92
7/5/2021 6:00	0.3	24.43	15.73	2.061	62.88	62.52	63.14	99.2	0	12.91
7/5/2021 7:00	0.3	14.61	17.96	2.107	63.4	62.7	64.68	98.8	0	12.94
7/5/2021 8:00	0.8	13.04	33.23	2.382	67.97	64.68	71.38	93	0	13.75
7/5/2021 9:00	1.4	62.63	74.07	3.71	73.25	70.99	76.32	81.2	0	13.66
7/5/2021 10:00	1.5	165.3	62.32	5.862	79.08	76.32	81.1	65.76	0	13.55
7/5/2021 11:00	3.0	160.7	47.92	7.603	81.1	79.74	82.7	58.21	0	13.52

7/5/2021 12:00	3.9	173.5	40.39	10.58	83.7	82.2	84.3	53.47	0	13.49
7/5/2021 13:00	4.1	203.5	36.78	11.04	84.7	83.4	86	52.19	0	13.49
7/5/2021 14:00	4.9	208.2	39.94	12.55	85.5	84.3	86.4	51.25	0	13.48
7/5/2021 15:00	5.5	202.2	30.96	13.42	86.4	85.7	87.2	49.13	0	13.46
7/5/2021 16:00	5.0	225.6	34.9	12.82	86	85	87.6	50.84	0	13.46
7/5/2021 17:00	4.8	232.2	33.59	11.59	86.4	85.4	88.1	49.91	0	13.46
7/5/2021 18:00	4.4	230	27.82	9.71	86.5	85.9	87.5	49.3	0	13.46
7/5/2021 19:00	4.1	243.9	27.36	8.66	86.4	86	87	47.55	0	13.46
7/5/2021 20:00	3.6	243.2	24.79	7.511	85.6	84.8	86.2	48.59	0	13.46
7/5/2021 21:00	3.3	198.5	31.12	9.8	83.2	81.8	84.8	56.69	0	13.33
7/5/2021 22:00	2.3	185.1	22.35	5.633	80.8	79.8	81.7	61.75	0	13.19
7/5/2021 23:00	1.7	189.6	21.21	4.901	79.01	78.15	79.94	66.71	0	13.1
7/6/2021 0:00	2.0	195.9	22.66	6.275	77.55	77.01	78.14	71.63	0	13.02
7/6/2021 1:00	2.3	195.1	26.58	5.267	76.58	76.08	77.12	76	0	12.96
7/6/2021 2:00	2.2	199.9	25.92	6.595	75.63	75.2	76.08	77.83	0	12.95
7/6/2021 3:00	1.3	195.8	26.3	5.175	74.44	73.66	75.23	80.5	0	12.94
7/6/2021 4:00	0.8	114	25.37	2.885	72.62	72.17	73.66	85.4	0	12.94
7/6/2021 5:00	0.6	116.1	19.22	2.382	71.44	70.51	72.21	88.2	0	12.92
7/6/2021 6:00	0.6	56.33	44.59	2.611	69.96	68.72	71.32	91.5	0	12.91
7/6/2021 7:00	0.6	47.09	22.27	2.885	69.85	68.64	71.29	92.7	0	12.92
7/6/2021 8:00	1.0	268.9	52.79	5.359	73.97	70.33	76.25	84.8	0	13.54
7/6/2021 9:00	2.5	244.2	29.7	5.404	78.08	76.26	80.6	75.2	0	13.57
7/6/2021 10:00	4.0	288.1	29.58	8.43	82.3	80.6	84.7	64.4	0	13.54
7/6/2021 11:00	4.1	271.8	40.83	9.02	85.8	84.7	87.2	60.11	0	13.49
7/6/2021 12:00	5.2	299.3	33.13	10.49	87.6	86.7	88.7	58.68	0	13.46
7/6/2021 13:00	4.5	256	46.34	10.21	89.8	88.7	90.6	55.17	0	13.43
7/6/2021 14:00	5.8	237.3	43.47	12.69	91.1	90.3	91.7	51.01	0	13.4
7/6/2021 15:00	6.2	244.2	34.01	12.41	92.4	91.3	94	47.38	0	13.4
7/6/2021 16:00	6.5	241.9	30.16	14.56	92.6	91.9	93.3	45.7	0	13.37
7/6/2021 17:00	6.6	245.8	30.68	14.34	93	92.6	93.8	45.07	0	13.37
7/6/2021 18:00	6.6	245.4	29.66	14.01	92.4	92.1	92.8	44.5	0	13.37
7/6/2021 19:00	5.6	233.7	26.81	11.68	91	90	92.4	52.38	0	13.37
7/6/2021 20:00	5.6	228.7	24.9	12.55	89.2	88.3	90.1	55.31	0	13.4
7/6/2021 21:00	4.4	226.8	22.46	10.03	87.4	86.4	88.3	57	0	13.28
7/6/2021 22:00	3.6	221.5	23.15	9.62	85.9	85	86.5	60.97	0	13.14
7/6/2021 23:00	3.7	229.5	23.21	8.52	84.5	83.8	85.1	64.34	0	13.05
7/7/2021 0:00	3.5	240.7	20.97	8.15	82.8	81.8	83.8	67.54	0	12.98
7/7/2021 1:00	3.0	251.5	20.38	6.962	81.2	80.5	81.9	69.77	0	12.95
7/7/2021 2:00	2.4	269.9	16.6	4.351	80	79.42	80.5	71.15	0	12.95
7/7/2021 3:00	1.5	289.1	23.83	3.71	78.63	77.28	79.5	74.21	0	12.95
7/7/2021 4:00	0.6	10.93	51.73	2.107	76.81	75.47	77.69	79.15	0	12.94
7/7/2021 5:00	0.8	165.8	36.18	3.023	74.68	73.8	75.47	85.4	0	12.92
7/7/2021 6:00	1.1	309.6	26.54	2.473	74.6	73.63	75.38	84.4	0	12.91
7/7/2021 7:00	0.6	325	9.62	2.519	74.1	73.34	75.9	86	0	12.92
7/7/2021 8:00	1.4	246.7	23.7	4.855	78.82	75.93	80.2	77.15	0	13.46
7/7/2021 9:00	2.8	273.4	31.34	6.962	82.2	80.2	83.9	69.27	0	13.54
7/7/2021 10:00	3.9	314.4	19.7	7.649	85.1	83.9	86.2	64.7	0	13.51
7/7/2021 11:00	3.5	309.1	29.78	7.649	87.3	86	88.5	61.19	0	13.46
7/7/2021 12:00	3.0	331.4	48.3	8.75	89.3	88.5	90.3	56.35	0	13.43
7/7/2021 13:00	3.8	267.7	57.42	9.3	91.1	90.3	92	50.84	0	13.4
7/7/2021 14:00	3.8	209	63.24	10.9	92.5	90.8	93.6	48.07	0	13.38
7/7/2021 15:00	4.2	271.3	41.87	8.47	93.7	92.8	94.5	45.75	0	13.35
7/7/2021 16:00	4.7	145.2	49.82	11.82	91.1	88.3	95.2	51.25	0	13.35
7/7/2021 17:00	3.8	128.2	18.64	8.98	87.1	85.7	88.3	58.49	0	13.37
7/7/2021 18:00	2.6	143.2	26.08	7.42	88.8	86.9	91	59.53	0	13.4

7/7/2021 19:00	2.7	172.3	75.56	8.89	86	83.6	87.1	65.51	0	13.4
7/7/2021 20:00	2.4	267.7	25.8	5.496	82.9	82.6	83.6	67.3	0	13.48
7/7/2021 21:00	1.4	257.5	71.44	4.534	82.3	81.6	82.9	66.57	0	13.32
7/7/2021 22:00	1.4	119.8	21.63	2.748	81.2	80.1	82.1	70.41	0	13.19
7/7/2021 23:00	1.0	177.5	30	3.114	80.6	79.87	81.3	72.26	0	13.09
7/8/2021 0:00	2.2	227.6	24.14	6.733	80.9	80.7	81.2	69.97	0	13.02
7/8/2021 1:00	1.8	229.9	35.41	5.496	79.91	78.7	81	72.43	0	12.96
7/8/2021 2:00	1.6	313.3	35.39	4.58	77.5	76.7	78.9	79.44	0	12.94
7/8/2021 3:00	0.4	28.4	21.48	2.061	76.09	75.03	77.11	84.1	0	12.94
7/8/2021 4:00	0.6	319.7	41.27	2.656	75.72	75.2	76.14	85.4	0	12.94
7/8/2021 5:00	1.3	289.3	32.71	3.939	75.51	75.14	76.21	81.3	0	12.93
7/8/2021 6:00	1.4	253.5	38.07	3.618	75.33	74.42	75.8	80.6	0	12.91
7/8/2021 7:00	0.8	259.2	46.04	2.565	74.77	74.09	75.59	82.8	0	12.92
7/8/2021 8:00	1.5	275.2	26.32	3.389	75.85	75.19	76.65	80.2	0	13.18
7/8/2021 9:00	1.7	251.1	19.39	3.618	77.78	76.6	78.85	75.92	0	13.6
7/8/2021 10:00	1.8	239.1	26.88	5.496	79.48	78.74	81	72.06	0	13.57
7/8/2021 11:00	2.2	117.8	32.12	4.901	82.2	80.6	84.7	67.31	0	13.51
7/8/2021 12:00	3.5	171.4	42.76	10.35	85.3	84.2	86.1	60.47	0	13.46
7/8/2021 13:00	5.7	159.1	32.26	16.12	85.8	85.2	86.6	60.6	0	13.46
7/8/2021 14:00	5.2	185.5	35.3	12.82	85.1	84.1	86	62.98	0	13.46
7/8/2021 15:00	5.4	187.9	38.05	17.95	82.2	75.06	86	69.69	0.04	13.45
7/8/2021 16:00	4.3	219.6	46.95	10.53	74.49	72.5	75.77	87.6	0.02	13.51
7/8/2021 17:00	2.3	249.4	27.29	5.221	74	72.53	75.65	88.7	0.01	13.57
7/8/2021 18:00	2.8	244.7	29.01	6.641	76.83	75.62	77.52	84	0	13.57
7/8/2021 19:00	4.8	188.2	29.99	12.23	77.87	77.41	78.26	71.56	0	13.57
7/8/2021 20:00	4.1	173.9	32.47	11.82	76.52	73.79	77.58	68.39	0	13.55
7/8/2021 21:00	2.2	104.5	45.78	5.954	71.51	70.23	73.77	87.2	0	13.39
7/8/2021 22:00	2.4	35.71	31.17	6.183	69.38	69	70.27	95.8	0.11	13.27
7/8/2021 23:00	1.9	21.14	27.97	6.549	69.03	68.93	69.15	97.3	0	13.17
7/9/2021 0:00	2.7	354.3	20.94	6.229	69.05	68.98	69.17	96.7	0.01	13.09
7/9/2021 1:00	4.0	345	22.01	9.39	69.07	68.67	69.22	96.2	0.06	13.01
7/9/2021 2:00	4.5	348.1	28.41	11.86	68.81	68.64	69.15	97	0.03	12.96
7/9/2021 3:00	4.2	331.3	18.01	9.21	69.05	68.79	69.2	97.3	0	12.94
7/9/2021 4:00	3.8	329.6	17.71	7.099	68.98	68.69	69.2	97.1	0.01	12.93
7/9/2021 5:00	2.9	321.5	14.4	6.962	68.48	68.11	68.8	97.6	0	12.93
7/9/2021 6:00	2.3	308.1	12.58	4.901	68.02	67.88	68.29	98.2	0	12.92
7/9/2021 7:00	2.1	301.6	15.49	5.038	68.29	67.88	69.45	97.9	0	12.92
7/9/2021 8:00	3.7	291.4	15.91	8.47	70.49	69.45	71.65	94.8	0	13.35
7/9/2021 9:00	5.0	290.3	18.29	10.21	73.04	71.61	74.35	88.3	0	13.63
7/9/2021 10:00	5.1	285	24.11	10.85	76.16	74.38	77.63	79.73	0	13.58
7/9/2021 11:00	4.6	268	29.17	10.53	78.45	77.2	79.65	75.73	0	13.52
7/9/2021 12:00	4.9	258.9	36.63	11.36	80.8	79.63	82	71.27	0	13.51
7/9/2021 13:00	6.0	269.9	35.64	13.19	82.9	81.6	83.9	66.92	0	13.51
7/9/2021 14:00	5.8	276.6	32.94	11.72	84.7	83.1	86.4	62.84	0	13.48
7/9/2021 15:00	4.0	267.2	41.21	9.66	86.8	85.7	88.4	58.1	0	13.46
7/9/2021 16:00	3.2	301.6	72.51	11.27	79.03	76.16	85.7	82.6	0.1	13.46
7/9/2021 17:00	6.0	293	36.44	27.53	73.89	72.26	77.79	90.3	0.03	13.54
7/9/2021 18:00	2.3	150.1	61.31	5.359	77.06	74.05	79.72	87	0	13.53
7/9/2021 19:00	3.3	155	29.74	6.549	78.4	77.25	79.32	83.4	0	13.52
7/9/2021 20:00	2.9	149.9	28.77	7.007	78.42	77.51	78.96	82.6	0	13.52
7/9/2021 21:00	1.3	132.4	44.69	3.801	76.21	75.28	77.58	87.5	0	13.39
7/9/2021 22:00	1.8	29.67	24.82	5.404	73.99	73.6	75.32	93	0	13.26
7/9/2021 23:00	1.3	32.07	55.96	2.702	73.01	72.63	73.63	95	0	13.16
7/10/2021 0:00	1.7	353.3	58.81	5.267	72.36	71.91	72.75	93.6	0	13.08
7/10/2021 1:00	1.6	18.45	54.62	5.13	72.25	71.95	73.09	93.4	0	13.01

7/10/2021 2:00	3.5	327.4	9.87	7.007	72.18	71.79	72.79	83.5	0	12.96
7/10/2021 3:00	4.5	332.7	13.16	8.52	71.77	70.98	72.28	77.48	0	12.95
7/10/2021 4:00	4.1	335.2	17.09	9.02	71.21	70.59	71.71	71.3	0	12.95
7/10/2021 5:00	3.0	342.1	12.21	6.32	69.66	68.82	70.8	72.22	0	12.94
7/10/2021 6:00	2.5	344.3	12.85	5.267	67.88	67.28	68.95	76.42	0	12.93
7/10/2021 7:00	3.5	341.6	17.97	8.06	67.01	66.69	67.43	78.22	0	12.94
7/10/2021 8:00	3.8	336.6	19.63	9.11	67.58	67.19	68.83	75.18	0	13.72
7/10/2021 9:00	4.9	333	21.71	9.66	69.09	68.28	70.18	71.13	0	13.69
7/10/2021 10:00	5.4	340.4	26.46	11.31	70.5	69.9	71.64	67.57	0	13.64
7/10/2021 11:00	4.5	327.6	30.78	10.72	72.55	71.34	74.59	64.93	0	13.61
7/10/2021 12:00	4.6	304.2	34.37	9.8	73.96	72.59	75.44	63.61	0	13.58
7/10/2021 13:00	5.1	325.7	32.08	12.73	75.78	75.07	76.77	61.46	0	13.55
7/10/2021 14:00	3.9	316.8	48.56	10.21	76.99	75.9	78.73	58.97	0	13.55
7/10/2021 15:00	4.8	302.7	35.18	14.52	78.56	77.62	79.58	57.87	0	13.52
7/10/2021 16:00	4.3	306.1	36.54	10.35	79.77	78.48	81.9	56.11	0	13.52
7/10/2021 17:00	5.4	316.4	38.06	13.37	80.5	79.68	81.3	54.21	0	13.51
7/10/2021 18:00	5.1	309.5	24.11	11.36	80.4	79.51	81.1	52.43	0	13.51
7/10/2021 19:00	2.9	340.5	33.23	9.16	79.89	78.52	81.3	53.71	0	13.51
7/10/2021 20:00	1.3	75.51	25.73	2.931	78.12	76.19	79.73	60.44	0	13.52
7/10/2021 21:00	0.7	68.97	22.66	2.107	75.89	74.73	76.69	63.1	0	13.38
7/10/2021 22:00	1.2	83.9	24	2.656	74.26	72.92	75.2	67.62	0	13.25
7/10/2021 23:00	2.0	51.11	23.01	4.259	72.61	71.53	73.86	73.59	0	13.16
7/11/2021 0:00	1.1	37.64	29.47	2.519	71.09	70.68	71.55	82	0	13.07
7/11/2021 1:00	1.3	69.96	30.4	3.252	71.56	70.74	72.18	81.5	0	13
7/11/2021 2:00	1.1	122.1	32.5	2.885	72	71.13	72.83	79.39	0	12.96
7/11/2021 3:00	1.9	145.7	22	4.351	72.91	72.28	73.28	74.2	0	12.95
7/11/2021 4:00	1.9	126.2	13.17	4.763	72.71	72.18	73.22	76.1	0	12.95
7/11/2021 5:00	2.4	136	15.42	5.221	72.84	72.34	73.09	75.1	0	12.93
7/11/2021 6:00	1.7	148.5	24.08	3.756	72.58	72.28	72.96	76.4	0	12.92
7/11/2021 7:00	2.3	89	40.89	5.404	72.19	71.39	72.97	80.9	0	12.92
7/11/2021 8:00	2.4	144.8	26.76	5.725	73.25	72.37	74.33	82.4	0	13.08
7/11/2021 9:00	3.8	166.3	36.08	11.59	75.71	74.34	76.83	79.46	0	13.6
7/11/2021 10:00	5.0	192	32.55	10.63	77.58	76.75	78.45	78.92	0	13.57
7/11/2021 11:00	5.0	204.4	28.69	11.54	80.1	78.46	82.3	76.4	0	13.54
7/11/2021 12:00	5.3	188.9	30.47	13.69	82.2	80.7	83.9	72.41	0	13.51
7/11/2021 13:00	6.2	192.5	32.3	16.49	85.6	84	87	63.59	0	13.46
7/11/2021 14:00	6.1	186.1	36.45	15.98	87.2	85.4	88.8	58.14	0	13.46
7/11/2021 15:00	6.1	182.5	33.77	15.16	88.5	87.7	89.7	54.28	0	13.43
7/11/2021 16:00	6.4	194.3	34.7	14.15	88.7	87.7	89.8	54.46	0	13.43
7/11/2021 17:00	5.9	187.1	34.43	15.07	89.6	88.5	90.4	54.13	0	13.4
7/11/2021 18:00	5.8	188.4	32.9	14.7	88	87.1	89.7	59.7	0	13.4
7/11/2021 19:00	6.4	194	29.69	14.11	87	86.3	88.2	61.98	0	13.41
7/11/2021 20:00	5.0	192.7	28.82	16.26	86.1	85.5	86.6	62.82	0	13.43
7/11/2021 21:00	5.1	189	27.85	12.46	84.6	83.8	85.5	66.98	0	13.3
7/11/2021 22:00	3.2	192.5	28.34	9.66	83.3	82.7	83.9	70.91	0	13.17
7/11/2021 23:00	3.1	187.3	27.78	8.24	82	81.5	82.8	73.73	0	13.08
7/12/2021 0:00	3.7	185.3	25.67	9.62	81.1	80.7	81.5	76.39	0	13.01
7/12/2021 1:00	4.1	204.9	25.79	11.08	80	79.45	80.7	77.42	0	12.97
7/12/2021 2:00	4.8	213	27.32	12.46	78.94	78.32	79.52	78.02	0	12.96
7/12/2021 3:00	4.5	230.8	23.2	8.93	77.73	77.09	78.36	82.2	0	12.96
7/12/2021 4:00	4.0	221.3	26.74	9.39	76.53	76.01	77.09	86.6	0	12.95
7/12/2021 5:00	2.8	210.3	30.95	6.778	75.77	75.33	76.08	89.4	0	12.93
7/12/2021 6:00	2.4	225.9	27.95	5.496	75.12	74.91	75.49	91.9	0	12.92
7/12/2021 7:00	2.5	212.3	32.65	6.962	75.35	74.87	75.83	92.4	0	12.92
7/12/2021 8:00	4.0	239.9	28.2	7.923	76.12	75.78	76.65	91.4	0	13.17



7/12/2021 9:00	3.1	234.7	32.15	7.053	77.93	76.64	80.1	87.3	0	13.57
7/12/2021 10:00	4.2	232	31.35	9.34	79.89	78.95	81.3	82.4	0	13.54
7/12/2021 11:00	3.5	217.2	40.88	8.29	82.6	80.9	84.8	76.73	0	13.51
7/12/2021 12:00	3.5	270.5	47.85	8.7	85.7	84.3	87	68.83	0	13.46
7/12/2021 13:00	3.0	283	46.65	7.053	88.7	86.6	90.7	59.96	0	13.41
7/12/2021 14:00	2.8	218.8	74.13	9.07	90.3	88.6	92.1	55.42	0	13.4
7/12/2021 15:00	4.4	213.4	55.88	10.76	91.3	89.2	92.8	52.76	0	13.4
7/12/2021 16:00	4.8	202.9	35.3	12.46	92.3	91.4	93.3	52.44	0	13.37
7/12/2021 17:00	4.4	207.4	38.44	11.59	91.5	90.1	92.7	55.52	0	13.37
7/12/2021 18:00	5.8	292.1	84.8	15.85	85	76.42	90.6	69.53	0.25	13.37
7/12/2021 19:00	3.9	62.99	36.65	11.59	76.15	74.48	77.69	91.7	0.1	13.39
7/12/2021 20:00	1.0	34.04	47.44	3.16	78.09	76.13	79.21	85.7	0	13.53
7/12/2021 21:00	0.8	44.71	45.51	2.794	75.38	74.84	76.13	96.1	0	13.33
7/12/2021 22:00	1.0	31.5	21.43	3.572	74.88	74.68	75.14	97	0	13.21
7/12/2021 23:00	1.0	115.3	54.99	3.527	75.14	74.72	75.84	94.1	0	13.11
7/13/2021 0:00	2.0	38.08	19.69	4.58	75.32	74.51	76.07	93.4	0	13.03
7/13/2021 1:00	1.4	42.72	46.24	4.443	74.19	73.77	74.65	97.8	0	12.98
7/13/2021 2:00	1.4	229.6	45.69	6.87	75.68	73.63	79.07	91.3	0	12.94
7/13/2021 3:00	3.3	230.4	21.45	7.007	78.92	78.61	79.32	78.15	0	12.94
7/13/2021 4:00	0.9	99	76.05	3.801	77.22	75.94	78.71	83.1	0	12.95
7/13/2021 5:00	1.3	154	33.89	3.618	76.05	75.66	76.4	86.4	0	12.94
7/13/2021 6:00	1.3	202.8	33.68	4.717	76.35	76.08	76.58	85.8	0	12.92
7/13/2021 7:00	1.3	168.1	34.49	5.175	76.15	75.1	77.43	87.3	0	12.94
7/13/2021 8:00	3.3	238.2	29.45	8.52	78.15	77.4	78.93	84.4	0	13.36
7/13/2021 9:00	3.2	237.9	33.9	8.66	80.4	78.92	81.5	80.2	0	13.54
7/13/2021 10:00	3.9	261.4	30.63	8.38	82.5	81.1	84.4	76.35	0	13.51
7/13/2021 11:00	3.4	251.3	35.84	7.74	85.2	84	87.2	69.33	0	13.49
7/13/2021 12:00	4.6	269.3	28.63	10.44	87.4	85.9	88.3	63.31	0	13.46
7/13/2021 13:00	4.1	249.8	52.57	9.02	89.4	88.1	90.5	57.29	0	13.41
7/13/2021 14:00	4.9	212.3	38.35	13.92	89.8	88.9	91.1	55.89	0	13.4
7/13/2021 15:00	5.5	201.1	35.4	14.34	91.5	90.9	92.2	49.86	0	13.38
7/13/2021 16:00	6.1	209.2	35.03	17.08	91.8	91	92.9	48.01	0	13.37
7/13/2021 17:00	6.5	203	33.03	16.81	91.9	91.3	93	50.59	0	13.37
7/13/2021 18:00	8.0	201.3	30.79	17.63	91.6	91	92.6	46.41	0	13.37
7/13/2021 19:00	7.2	200.8	26.7	18.05	90.3	89.6	91.4	47.29	0	13.38
7/13/2021 20:00	7.5	213.8	24.92	16.21	88.1	86.8	89.7	51.31	0	13.4
7/13/2021 21:00	6.0	203	26.16	16.3	85.6	84.6	86.9	57.69	0	13.27
7/13/2021 22:00	4.4	199.4	27.17	12.96	84	83.4	84.6	62.31	0	13.14
7/13/2021 23:00	4.9	200.8	27.41	11.82	83.1	82.7	83.4	65.18	0	13.05
7/14/2021 0:00	4.4	205.7	26.15	11.13	82.4	82.2	82.7	66.91	0	12.99
7/14/2021 1:00	4.2	217.1	25.49	10.44	81.9	81.4	82.2	67.43	0	12.96
7/14/2021 2:00	3.6	246.3	22.86	8.79	80.6	79.91	81.4	70.63	0	12.95
7/14/2021 3:00	2.4	248.6	17.72	5.954	79.14	78.61	79.96	75.09	0	12.95
7/14/2021 4:00	1.8	260.1	29.6	3.893	77.82	76.73	78.71	78.37	0	12.94
7/14/2021 5:00	1.9	272.9	20.85	4.259	76.25	75.53	76.97	82.4	0	12.93
7/14/2021 6:00	1.7	257.7	33.26	4.259	75.49	74.86	76.02	84.9	0	12.91
7/14/2021 7:00	1.2	259.3	37.03	3.435	75.05	74.37	76.5	86.6	0	12.92
7/14/2021 8:00	1.7	253.8	37.64	4.672	78.3	76.5	79.86	79.56	0	13.34
7/14/2021 9:00	2.8	260.5	30.31	7.282	81.3	79.88	83	69.93	0	13.54
7/14/2021 10:00	4.8	283.1	27.64	9.94	84.1	82.7	85.4	58.17	0	13.51
7/14/2021 11:00	4.2	295.9	44.65	9.98	85.5	84.9	86.5	52.49	0	13.46
7/14/2021 12:00	5.3	283	45.82	12.96	87	85.4	88	50.07	0	13.43
7/14/2021 13:00	4.6	270.8	48.42	10.81	88.1	87.3	89	47.93	0	13.4
7/14/2021 14:00	4.9	295.3	32.54	11.18	87.7	87	89.1	49.53	0	13.4
7/14/2021 15:00	4.6	300.8	32.05	11.59	88.1	86.9	89.8	50.99	0	13.4

7/14/2021 16:00	3.5	301	42.82	10.35	89.2	87.4	91	48.39	0	13.4
7/14/2021 17:00	3.3	278.4	24.42	7.374	86.5	85.1	89.5	51.84	0	13.4
7/14/2021 18:00	5.3	236.4	28.86	14.2	83.5	81.4	85.4	58.61	0	13.47
7/14/2021 19:00	5.3	230.7	31.93	12	82.2	81.3	82.9	61.61	0	13.51
7/14/2021 20:00	4.8	233.4	32.18	9.62	81.5	80.3	82.8	65.21	0	13.48
7/14/2021 21:00	4.2	213.5	29.01	9.3	79	77.72	80.5	69.94	0	13.36
7/14/2021 22:00	3.4	245	22.18	9.62	77.08	76.46	77.72	73.62	0	13.23
7/14/2021 23:00	2.9	221.6	34.33	7.099	75.36	74.69	76.46	82.4	0	13.13
7/15/2021 0:00	2.0	262.5	22.82	5.038	73.93	73.41	74.74	87.6	0	13.05
7/15/2021 1:00	1.7	253.8	24.84	3.801	73.26	72.37	73.73	89	0	12.99
7/15/2021 2:00	1.5	264.8	55.47	4.122	72.34	71.24	73.2	91.6	0	12.95
7/15/2021 3:00	1.9	270	26.83	5.038	71.76	71.01	72.46	91.9	0	12.94
7/15/2021 4:00	0.6	13.81	36.2	2.702	70.57	69.93	71.19	95.1	0	12.94
7/15/2021 5:00	0.6	335.9	21.81	2.382	70.01	69.48	70.37	96.5	0	12.94
7/15/2021 6:00	1.0	318.6	45.63	2.336	69.47	69.03	70.17	97.7	0	12.93
7/15/2021 7:00	1.2	265.9	35.89	3.435	70.33	69.25	71.77	97.4	0	12.93
7/15/2021 8:00	1.9	266.6	30.75	7.191	73.69	71.75	75.36	90.9	0	13.49
7/15/2021 9:00	2.9	312.7	28.65	6.733	77.75	75.36	79.15	78.66	0	13.58
7/15/2021 10:00	2.4	333.9	35.4	5.862	81.7	79.15	83.9	68.15	0	13.52
7/15/2021 11:00	2.3	352.2	41.82	7.007	84.7	83.2	86.1	61	0	13.48
7/15/2021 12:00	2.7	349.2	43.92	6.733	86.4	85.5	87.3	57.48	0	13.43
7/15/2021 13:00	2.9	336.2	45.87	8.93	87.3	85.8	88.7	54.45	0	13.41
7/15/2021 14:00	2.7	320.8	67.24	9.25	89.2	88.1	90.6	49.81	0	13.38
7/15/2021 15:00	3.4	281.6	76.35	8.66	90.5	89.8	91.6	44.83	0	13.37
7/15/2021 16:00	3.4	314.1	68.6	10.81	90.6	89.1	92.1	46.02	0	13.35
7/15/2021 17:00	3.6	250.6	48.04	10.03	91.2	90.5	92.1	44.43	0	13.35
7/15/2021 18:00	3.6	212	50.33	10.12	91.2	90.6	91.8	44.99	0	13.35
7/15/2021 19:00	3.5	220.5	35.49	9.39	90.2	89.7	91	46.55	0	13.35
7/15/2021 20:00	4.9	227.1	33.63	12.37	87.4	86.1	89.9	55.43	0	13.37
7/15/2021 21:00	2.5	208.7	49.16	14.29	81.3	80.5	86.1	74.97	0.02	13.3
7/15/2021 22:00	2.7	222.3	27.96	9.07	81.5	81.2	82	73.12	0	13.16
7/15/2021 23:00	2.8	264.1	23.32	6.366	81.3	79.68	82	71.37	0	13.07
7/16/2021 0:00	1.8	276.3	25.32	4.443	79.02	77.74	79.77	74.14	0	13
7/16/2021 1:00	1.9	331.5	20.14	3.618	76.94	76.11	77.93	78.56	0	12.96
7/16/2021 2:00	0.6	57.13	57.47	3.801	75.48	74.88	76.52	82.8	0	12.95
7/16/2021 3:00	0.8	328.2	19.42	2.656	75.22	74.66	75.67	82.5	0	12.95
7/16/2021 4:00	1.1	13.61	17.78	2.977	74.08	72.5	75.08	85.3	0	12.94
7/16/2021 5:00	1.7	20.82	47.44	4.076	72.96	71.67	74.1	88.8	0	12.92
7/16/2021 6:00	1.1	41.94	20.81	2.656	71.75	71.04	73.13	92.1	0	12.91
7/16/2021 7:00	1.1	52.07	30.11	2.427	70.77	70.19	72.24	95.2	0	12.91
7/16/2021 8:00	0.1	14.58	15.22	0.962	76.82	72.21	81.9	83.9	0	13.39
7/16/2021 9:00	1.4	316.9	53.17	4.763	83.2	81.9	84.4	68	0	13.55
7/16/2021 10:00	4.3	309.2	26.23	10.17	84.1	82.8	85.5	59.38	0	13.51
7/16/2021 11:00	5.3	318.5	24.31	12.6	85.8	84.6	86.6	54.21	0	13.48
7/16/2021 12:00	4.9	316.3	30.23	9.94	87.3	86.3	89	54.44	0	13.45
7/16/2021 13:00	4.2	297.5	44.83	8.79	88.7	87.6	90	52.2	0	13.4
7/16/2021 14:00	4.2	256.3	44.77	10.63	90.9	88.9	91.8	48.47	0	13.38
7/16/2021 15:00	4.0	259.7	55.73	11.59	91.8	90.2	92.8	44.6	0	13.37
7/16/2021 16:00	5.0	246.5	34.37	12.23	92.1	91	93.5	41.71	0	13.35
7/16/2021 17:00	3.9	235.1	43.12	10.72	91.3	90.5	92.7	42.07	0	13.35
7/16/2021 18:00	4.5	242	30.48	10.95	91.8	91	92.5	41.97	0	13.37
7/16/2021 19:00	4.4	228.5	33.55	11.63	91.4	90.8	92.6	44.1	0	13.37
7/16/2021 20:00	5.0	211.2	29.31	11.63	89.8	88.5	90.8	47.94	0	13.37
7/16/2021 21:00	3.5	195.6	29.66	10.76	87.2	86.1	88.6	54.06	0	13.23
7/16/2021 22:00	2.7	198.3	29.06	8.66	85.4	84.6	86.1	57.96	0	13.11

7/16/2021 23:00	1.5	168.2	27.62	5.038	83.5	82.4	84.7	63.47	0	13.03
7/17/2021 0:00	1.7	158.1	26.61	4.901	82.2	81.2	82.8	68.28	0	12.98
7/17/2021 1:00	1.6	121.1	29.87	3.435	80.6	79.56	81.2	73.41	0	12.96
7/17/2021 2:00	1.7	355.6	65.57	4.626	78.19	76.83	79.52	81.5	0	12.95
7/17/2021 3:00	1.6	87.4	52.71	3.801	75.64	74.55	77.22	88.6	0	12.95
7/17/2021 4:00	0.7	127.4	13.1	2.29	76.05	74.95	76.82	87.3	0	12.93
7/17/2021 5:00	0.6	281.1	27.9	2.794	75.61	74.85	76.2	86.7	0	12.92
7/17/2021 6:00	1.5	21.58	48.8	2.84	73.96	72.64	74.85	91.3	0	12.9
7/17/2021 7:00	1.1	31.85	28.67	2.794	72.59	72.02	73.83	96.2	0	12.91
7/17/2021 8:00	0.9	130.4	12.93	2.885	77.62	73.87	79.49	84.7	0	13.37
7/17/2021 9:00	2.1	197.8	60.81	5.542	81.7	79.41	83.6	73.04	0	13.54
7/17/2021 10:00	2.1	177.1	41.92	5.725	85.6	83.4	86.7	64.88	0	13.48
7/17/2021 11:00	3.6	196.8	51.03	9.39	87.2	86	88.9	62.42	0	13.43
7/17/2021 12:00	3.9	207.7	35.43	11.13	89.3	87.7	90.7	59.11	0	13.4
7/17/2021 13:00	4.8	210.2	42.84	12.41	91.2	90	92.2	55.71	0	13.37
7/17/2021 14:00	5.2	227.4	37.16	13.42	90.3	88.7	92.6	56.45	0	13.37
7/17/2021 15:00	6.0	182.4	34.91	17.45	79.2	76.11	88.7	74.23	0	13.4
7/17/2021 16:00	3.8	16.32	96.1	19.51	76.09	74.93	77.37	87.1	0.1	13.48
7/17/2021 17:00	9.1	310.1	51.62	33.75	72.97	71.06	75.69	95.7	1.08	13.41
7/17/2021 18:00	2.0	107.2	39.3	8.29	73.78	72.5	74.91	98.4	0	13.61
7/17/2021 19:00	2.6	124	24.92	5.954	75.88	74.86	76.47	97.3	0	13.58
7/17/2021 20:00	2.9	141.5	64.58	18.37	75.97	75.68	76.53	96.8	0	13.51
7/17/2021 21:00	4.2	1.862	36.57	21.02	73	71.58	76.66	92.9	0	13.35
7/17/2021 22:00	1.4	353.1	59.25	4.992	71.16	70.65	71.63	97.9	0	13.24
7/17/2021 23:00	1.2	73.65	47.49	4.58	71.31	70.97	71.63	98	0	13.14
7/18/2021 0:00	1.5	220.6	54.15	4.534	71.65	70.97	72.2	96.4	0	13.06
7/18/2021 1:00	1.0	96.1	43.4	2.382	71.01	70.16	71.39	97.5	0	13
7/18/2021 2:00	1.2	171.6	42.92	6.046	71.19	70.29	71.91	97.5	0	12.96
7/18/2021 3:00	2.5	248.5	24.04	4.992	71.92	71.4	72.17	94.9	0	12.95
7/18/2021 4:00	3.5	282.6	20.62	7.282	71.4	71.13	71.77	95.7	0	12.95
7/18/2021 5:00	5.2	289.1	14.98	11.22	71.96	71.53	72.19	89.9	0	12.95
7/18/2021 6:00	6.3	294.8	15.04	16.12	70.57	69.71	71.58	83.6	0	12.94
7/18/2021 7:00	7.8	299.3	15.74	14.56	69.35	68.99	70.13	80.1	0	12.94
7/18/2021 8:00	9.4	295.3	15.09	17.63	70.71	70.14	71.26	74.34	0	13.41
7/18/2021 9:00	9.2	298.2	17.74	18.09	71.68	71.24	72.17	71.35	0	13.66
7/18/2021 10:00	9.5	299.2	16.8	16.26	72.81	72.19	73.26	68.09	0	13.64
7/18/2021 11:00	9.5	301.1	18.11	18.92	74.13	73.08	75.12	65.11	0	13.58
7/18/2021 12:00	9.7	312.3	16.39	18.27	74.63	73.91	75.86	64.74	0	13.58
7/18/2021 13:00	9.3	306.6	19.58	17.54	75.49	74.68	76.52	63.85	0	13.58
7/18/2021 14:00	10.2	304.8	20.45	21.85	75.93	74.96	76.72	63.35	0	13.58
7/18/2021 15:00	10.2	305.6	17.62	20.2	75.55	75.11	76.31	64.45	0	13.58
7/18/2021 16:00	9.8	309.8	17.3	17.91	75.33	74.54	76.52	63.23	0	13.58
7/18/2021 17:00	7.4	312.3	18.06	15.02	74.93	74.54	75.78	64.13	0	13.58
7/18/2021 18:00	7.6	320	18.83	15.76	76.41	74.89	78.09	61.54	0	13.55
7/18/2021 19:00	7.1	326.6	16.48	14.75	76.78	75.82	78.07	60.36	0	13.55
7/18/2021 20:00	3.5	318.2	18.72	7.969	76.01	75.53	76.56	63.65	0	13.55
7/18/2021 21:00	2.7	312.6	12.48	6.778	73.83	72.56	75.49	68.25	0	13.42
7/18/2021 22:00	1.6	292.5	15.3	2.656	72.07	71.64	72.62	73.73	0	13.3
7/18/2021 23:00	1.4	264.7	30.26	2.931	72.42	71.22	73.14	73.6	0	13.19
7/19/2021 0:00	2.0	271.4	20.75	4.809	71.41	70.7	72.19	76.49	0	13.11
7/19/2021 1:00	2.2	258.4	30.93	5.221	71.64	70.96	72.18	75.89	0	13.03
7/19/2021 2:00	1.2	248	37.4	3.481	71	70.71	71.25	77.66	0	12.98
7/19/2021 3:00	2.5	297.8	28.31	5.817	70.01	69.18	70.7	80.6	0	12.97
7/19/2021 4:00	2.5	319.4	11.02	5.633	69.27	68.66	69.82	82.3	0	12.96
7/19/2021 5:00	2.5	342.6	13.62	4.488	68.9	68.7	69.08	82.1	0	12.95

7/19/2021 6:00	1.6	357.4	25.03	3.298	67.67	66.61	68.7	86.1	0	12.94
7/19/2021 7:00	2.1	341.6	10.78	4.305	67.62	66.67	67.94	86.3	0	12.94
7/19/2021 8:00	0.4	57.22	55.41	1.328	68.88	67.52	70.13	87	0	13.33
7/19/2021 9:00	1.0	269.9	34.03	3.343	72.41	70.13	74.37	79.56	0	13.67
7/19/2021 10:00	2.4	267.3	36.19	5.084	75.42	74.08	76.32	71.82	0	13.59
7/19/2021 11:00	2.8	266.9	46.46	6.778	77.58	76.29	78.49	66.84	0	13.55
7/19/2021 12:00	3.8	254.6	37.52	8.06	78.81	77.81	81.1	65.92	0	13.55
7/19/2021 13:00	3.7	279.6	41.39	8.66	81.2	80.4	82.7	59.14	0	13.52
7/19/2021 14:00	4.0	322	46.45	10.72	83	82.4	84.3	53.46	0	13.49
7/19/2021 15:00	4.1	328.6	30.29	11.86	84.2	83.2	85.1	51.82	0	13.46
7/19/2021 16:00	3.9	328.8	39.37	8.75	85	84.2	86	51.7	0	13.46
7/19/2021 17:00	4.0	329.3	37.41	9.39	85.2	84.5	85.7	51.86	0	13.46
7/19/2021 18:00	3.3	332.3	38.02	10.08	85.2	84.4	86.2	51.13	0	13.46
7/19/2021 19:00	2.6	340.1	24.3	7.374	84.1	83.6	85	54.06	0	13.46
7/19/2021 20:00	2.3	330.5	17.05	4.443	82.7	81.8	83.7	55.31	0	13.46
7/19/2021 21:00	1.1	353	26.31	3.298	80.6	79.06	82.1	57.35	0	13.35
7/19/2021 22:00	0.9	26.66	21.11	2.702	77.47	74.73	79.4	64.95	0	13.22
7/19/2021 23:00	0.6	78.23	31.78	1.786	74.36	72.49	75.33	75.51	0	13.13
7/20/2021 0:00	0.7	67.98	49.34	2.656	73.67	71.89	75.27	79.57	0	13.05
7/20/2021 1:00	1.0	34.32	57.87	2.885	72.02	70.78	74.08	83.9	0	12.99
7/20/2021 2:00	0.7	41.88	29.79	2.244	71.08	69.18	72.22	87	0	12.96
7/20/2021 3:00	0.4	359.5	8.76	2.702	70.1	69.07	71.66	89.4	0	12.96
7/20/2021 4:00	1.5	349.2	11.4	3.847	70.15	69.03	70.84	88.7	0	12.95
7/20/2021 5:00	2.8	354.3	16.35	4.214	69.9	68.51	70.39	88.8	0	12.93
7/20/2021 6:00	1.8	352.1	18.25	3.801	68.66	68.15	69.62	89.9	0	12.92
7/20/2021 7:00	2.2	346.9	11.42	3.893	69.74	68.25	70.1	84.7	0	12.92
7/20/2021 8:00	1.8	339.4	28.49	4.534	71.21	69.8	73.02	83.8	0	13.33
7/20/2021 9:00	3.7	330.7	12.16	6.504	74.06	72.88	75.7	75.65	0	13.64
7/20/2021 10:00	3.9	331.1	15.14	7.099	77.59	75.67	79	68.11	0	13.58
7/20/2021 11:00	3.2	346.6	26.78	7.923	80.4	79	81.6	64.83	0	13.52
7/20/2021 12:00	2.7	345.5	44.01	8.47	83	81.6	84.4	61.64	0	13.48
7/20/2021 13:00	2.6	336.5	57.88	7.649	84.9	83.6	86.8	57.64	0	13.45
7/20/2021 14:00	3.1	333.3	55.24	7.969	86.1	85	87.5	53.21	0	13.43
7/20/2021 15:00	2.3	13.45	54.3	8.38	86.8	85.7	88.2	52.84	0	13.43
7/20/2021 16:00	2.6	306.3	61.18	7.145	88.2	86.7	89.7	49.32	0	13.41
7/20/2021 17:00	3.6	309	31.5	10.49	88.1	87.6	89.1	47.01	0	13.4
7/20/2021 18:00	2.6	332.7	31.95	6.87	88.4	87.4	89.6	45.75	0	13.4
7/20/2021 19:00	2.5	332	29.5	4.992	86.9	85.7	88.3	50.89	0	13.41
7/20/2021 20:00	2.5	348.6	14.25	5.862	84.5	83.8	85.7	54.52	0	13.41
7/20/2021 21:00	1.3	15.89	15.83	2.748	81.8	78.24	83.9	57.47	0	13.32
7/20/2021 22:00	0.7	33.03	24.5	2.107	77.66	76.91	78.21	67.02	0	13.2
7/20/2021 23:00	0.3	19.8	35.63	1.557	76.04	74.99	77.85	72.91	0	13.1
7/21/2021 0:00	1.3	288.9	28.12	4.443	75.33	73.31	76.92	75.79	0	13.03
7/21/2021 1:00	2.7	282.2	13.98	4.397	75.67	74.93	76.74	75.9	0	12.97
7/21/2021 2:00	2.6	267.8	15.64	5.817	75.29	74.67	75.92	76.95	0	12.96
7/21/2021 3:00	1.5	285.6	27.98	3.481	74.12	72.76	74.88	79.79	0	12.96
7/21/2021 4:00	0.8	317.6	26.26	2.656	72.34	71.27	72.96	84.8	0	12.95
7/21/2021 5:00	1.4	309.3	20.46	4.488	71.85	71.04	72.57	86.6	0	12.94
7/21/2021 6:00	1.9	320.3	14.69	4.076	72.57	71.78	73.22	84.5	0	12.92
7/21/2021 7:00	2.9	330.5	8.93	4.305	72.54	71.86	72.9	81.9	0	12.91
7/21/2021 8:00	3.3	323.1	12.95	8.34	74.24	72.85	75.89	77.86	0	13.18
7/21/2021 9:00	5.4	311.9	15.36	11.27	77.12	75.9	78.04	71.58	0	13.6
7/21/2021 10:00	6.1	305.3	16.54	12	79.04	78.06	79.94	68.54	0	13.55
7/21/2021 11:00	5.7	315.6	20.05	10.44	81.1	79.93	82.5	65.99	0	13.52
7/21/2021 12:00	6.5	322.6	20.54	13.24	82.4	81.8	83.6	64.26	0	13.49

7/21/2021 13:00	5.8	316.7	22.33	11.86	83.3	82.3	84.3	62.34	0	13.47
7/21/2021 14:00	5.8	311.5	30.04	13.56	83.8	81.9	85.6	59.08	0	13.46
7/21/2021 15:00	6.5	312.4	19.61	14.11	84.2	83.1	85.9	57.1	0	13.46
7/21/2021 16:00	6.6	0.538	52.41	17.86	81	79	84.8	62.42	0	13.46
7/21/2021 17:00	2.9	17.65	43.27	7.42	82.1	80.1	83.3	61.5	0	13.47
7/21/2021 18:00	3.5	341.9	38.37	17.31	80.5	74.3	83.4	65.87	0	13.46
7/21/2021 19:00	3.0	69.63	89.7	13.51	75.24	72.68	76.5	81.5	0.02	13.51
7/21/2021 20:00	0.8	2.298	60.84	2.748	76.91	76.11	77.68	79.77	0	13.55
7/21/2021 21:00	2.9	13.11	33.43	11.5	75.06	73.78	76.19	80.4	0	13.39
7/21/2021 22:00	2.0	37.42	39.28	6.87	72.35	71.13	74.37	73.69	0	13.27
7/21/2021 23:00	1.1	12.5	39.6	5.496	70.14	69.61	71.18	78.23	0	13.17
7/22/2021 0:00	0.7	354.1	25.77	3.481	68.64	68.01	69.64	82.8	0	13.09
7/22/2021 1:00	0.6	348.6	16.62	2.702	67.45	67	68.08	85.4	0	13.01
7/22/2021 2:00	1.1	357.2	21.89	3.527	66.68	65.65	67.4	86.1	0	12.97
7/22/2021 3:00	1.8	341.9	12.89	4.122	65.86	65.39	66.41	86	0	12.95
7/22/2021 4:00	2.4	340.9	15.52	5.175	65.42	64.89	65.82	85.6	0	12.95
7/22/2021 5:00	1.9	340.6	16.57	4.214	63.99	62.85	64.89	84.8	0	12.95
7/22/2021 6:00	1.7	352.4	20.52	3.801	62.79	62.36	63.27	87.2	0	12.93
7/22/2021 7:00	1.5	351.6	18.59	4.259	61.95	61.29	62.81	88.9	0	12.93
7/22/2021 8:00	1.9	338.8	22.18	4.992	64.59	62.41	66.87	80.6	0	13.44
7/22/2021 9:00	2.0	350	28.38	6.32	68.88	66.87	72.09	67.09	0	13.71
7/22/2021 10:00	3.1	13.46	38.66	8.29	72.37	71.47	73.8	57.25	0	13.64
7/22/2021 11:00	3.1	13.54	36.66	9.53	73.62	71.5	75.14	52.23	0	13.61
7/22/2021 12:00	4.5	2.312	32.85	11.59	75.48	74.49	76.39	45.64	0	13.56
7/22/2021 13:00	4.1	4.039	41.29	10.17	76.79	75.91	77.82	43.17	0	13.55
7/22/2021 14:00	3.8	351.4	35.03	10.49	76.94	76.09	78.06	43.34	0	13.54
7/22/2021 15:00	3.6	17.91	42.85	12.5	78.38	76.68	79.68	43.02	0	13.52
7/22/2021 16:00	3.6	359.1	47.46	11.18	78.85	77.79	79.81	43.67	0	13.51
7/22/2021 17:00	2.8	20.22	51.61	8.11	79.78	78.51	81.1	43.7	0	13.49
7/22/2021 18:00	2.6	26.62	54.61	7.42	79.31	78.17	80.7	43.72	0	13.49
7/22/2021 19:00	2.3	16.33	37.67	7.236	79.31	78.29	80	44.53	0	13.49
7/22/2021 20:00	1.0	29.08	27.07	4.534	77.68	76.44	78.7	45.77	0	13.49
7/22/2021 21:00	1.1	26.37	13.93	2.061	74.52	71.37	76.46	50.27	0	13.37
7/22/2021 22:00	0.9	38.14	12.07	2.84	68.29	67.19	71.32	66.33	0	13.25
7/22/2021 23:00	1.9	37.76	8.79	2.794	66.07	64.33	68.51	83.6	0	13.15
7/23/2021 0:00	0.9	29.9	27.7	2.244	64.19	63.53	64.59	88.7	0	13.06
7/23/2021 1:00	1.4	37.9	21.37	3.114	63.6	61.53	65.09	84.3	0	12.99
7/23/2021 2:00	1.2	29.15	7.991	2.473	63.14	61.38	64.34	87.4	0	12.94
7/23/2021 3:00	0.7	17.94	16.84	2.748	62.45	61.02	64.34	86.4	0	12.93
7/23/2021 4:00	0.5	27.56	14.9	2.656	62.85	61.95	64	85.6	0	12.92
7/23/2021 5:00	0.5	356.9	17.54	3.389	63.39	62.74	65.03	82.4	0	12.91
7/23/2021 6:00	2.4	6.9	17.15	4.58	63.68	62.21	64.85	79.86	0	12.9
7/23/2021 7:00	1.7	26.25	17.77	4.122	61.62	61.14	62.81	88.3	0	12.89
7/23/2021 8:00	0.6	8.69	24	3.389	63.82	62.53	64.74	81.1	0	13.29
7/23/2021 9:00	1.2	28.22	36.22	4.672	66.97	64.65	68.65	75.36	0	13.72
7/23/2021 10:00	1.9	38.99	41.49	5.496	71.43	68.2	73.66	64.41	0	13.64
7/23/2021 11:00	2.1	35.64	43.47	6.046	74.28	73.52	75.84	54.78	0	13.61
7/23/2021 12:00	2.7	38.08	48.82	8.47	76.5	75.04	78.24	48.45	0	13.55
7/23/2021 13:00	2.8	355.9	64.49	7.832	78.33	77.57	78.9	43.24	0	13.52
7/23/2021 14:00	2.5	48.21	72.45	8.06	79.94	78.74	80.7	42.03	0	13.51
7/23/2021 15:00	3.2	47.69	64.6	8.75	80.7	79.79	81.6	41.4	0	13.49
7/23/2021 16:00	2.4	47.45	78.37	7.007	81.5	80.6	82.5	40.27	0	13.48
7/23/2021 17:00	2.7	56.76	55.64	8.47	81.6	80.8	82.4	41.64	0	13.48
7/23/2021 18:00	2.7	32.26	47.64	8.66	81.3	80.9	82	42.15	0	13.48
7/23/2021 19:00	2.0	28.67	36.9	6.229	80.4	79.57	81.2	43.49	0	13.48

7/23/2021 20:00	0.6	36.42	21.96	2.473	79.09	77.69	79.94	45.21	0	13.48
7/23/2021 21:00	1.5	37.36	27.5	3.527	75.44	71.34	77.69	48.77	0	13.36
7/23/2021 22:00	1.7	53.53	30.05	3.252	69.95	67.29	71.61	63.5	0	13.24
7/23/2021 23:00	1.6	7.839	34.96	3.71	67.51	64.92	69.94	71.23	0	13.15
7/24/2021 0:00	1.5	42.47	31.4	3.527	64.46	62.86	66.64	86.2	0	13.06
7/24/2021 1:00	1.4	20.67	28.47	3.298	63.71	62.86	64.56	88.4	0	12.99
7/24/2021 2:00	1.6	19.21	40.17	3.343	63.33	62.05	64.23	90.4	0	12.94
7/24/2021 3:00	1.9	38.32	13.05	2.931	63.2	62.77	63.68	92.8	0	12.93
7/24/2021 4:00	1.6	36.47	20.79	3.252	62.41	61.72	62.92	95.5	0	12.93
7/24/2021 5:00	0.9	38.25	12.79	2.84	61.9	61.73	62.2	96.4	0	12.92
7/24/2021 6:00	0.3	10.53	20.49	1.786	61.17	60.76	61.83	96.8	0	12.89
7/24/2021 7:00	0.9	19.24	29.81	2.931	61.48	60.73	62.7	96.5	0	12.89
7/24/2021 8:00	0.5	95.8	24.68	2.427	65.32	62.64	70.7	89.9	0	13.25
7/24/2021 9:00	1.3	142.6	50.16	5.404	73.28	69.72	76.28	68.37	0	13.63
7/24/2021 10:00	3.0	197.8	34.33	9.16	75.67	75.14	76.22	64.56	0	13.6
7/24/2021 11:00	4.3	177	35.95	11.04	77.23	75.79	78.52	62.5	0	13.55
7/24/2021 12:00	5.5	183.8	35	12.69	79.79	77.87	81.4	55.62	0	13.52
7/24/2021 13:00	5.1	187.7	37.38	13.47	80.8	79.67	82.5	55.02	0	13.51
7/24/2021 14:00	5.0	175.6	35.75	12.96	82.3	81	83.4	53.8	0	13.51
7/24/2021 15:00	4.3	164	38.41	10.95	82.8	81.9	84.2	52.89	0	13.48
7/24/2021 16:00	5.1	160.6	37.14	12.18	83	82	85.2	53.35	0	13.48
7/24/2021 17:00	4.4	169.3	35.96	10.76	81.3	79.97	83.6	55.65	0	13.48
7/24/2021 18:00	4.7	163.5	30.02	12.18	80.8	79.46	81.8	56.99	0	13.49
7/24/2021 19:00	4.6	180.3	31.59	11.95	78.11	76.21	79.47	65.14	0	13.51
7/24/2021 20:00	4.0	164.3	27.33	9.53	76.4	75.9	76.66	70.32	0	13.52
7/24/2021 21:00	4.1	159.7	25.83	10.81	74.95	74.19	75.89	78.17	0	13.34
7/24/2021 22:00	3.4	149.4	22.61	8.38	73.83	73.53	74.22	83.3	0	13.22
7/24/2021 23:00	4.2	164.5	27.18	12.05	74.25	74.02	74.44	79.89	0	13.12
7/25/2021 0:00	4.0	181.7	28.95	11.45	73.97	73.31	74.5	75.32	0	13.04
7/25/2021 1:00	3.4	183.6	28.61	9.07	73.3	73.15	73.49	76.23	0	12.97
7/25/2021 2:00	3.9	188	26.38	8.79	73.1	72.84	73.21	77.87	0	12.94
7/25/2021 3:00	3.5	195.6	27.16	8.02	72.76	72.68	72.9	80.4	0	12.94
7/25/2021 4:00	3.1	189.8	29.6	8.52	72.45	72.03	72.72	81.4	0	12.94
7/25/2021 5:00	2.9	199.9	27.98	8.11	71.96	71.77	72.14	82.4	0	12.92
7/25/2021 6:00	2.2	205.7	28.33	6.687	71.75	71.36	71.95	83.1	0	12.89
7/25/2021 7:00	1.9	194.1	29.36	8.79	71.28	71.15	71.6	84.7	0	12.89
7/25/2021 8:00	3.2	229.6	29.03	7.649	71.91	71.57	72.13	85.6	0	13.06
7/25/2021 9:00	3.6	220.9	27.21	8.98	72.87	72.13	73.6	85.8	0	13.65
7/25/2021 10:00	4.0	213.6	28.06	9.21	74.69	73.54	76.22	83.7	0	13.6
7/25/2021 11:00	3.9	197.6	31.15	8.93	77.76	75.78	79.44	78.8	0	13.54
7/25/2021 12:00	4.4	205.4	33.17	9.98	81	79.12	83.5	73.21	0	13.51
7/25/2021 13:00	4.0	227.5	40.69	11.13	85.2	83.5	86.8	63.52	0	13.46
7/25/2021 14:00	4.3	234.3	37.93	10.72	85.9	84.9	88.5	61.87	0	13.45
7/25/2021 15:00	4.6	238.5	35.8	11.4	87.6	86.3	88.6	59.2	0	13.43
7/25/2021 16:00	5.0	238.3	31.19	11.86	88.7	86.7	90.6	55.75	0	13.4
7/25/2021 17:00	4.7	235	37.4	11.45	88.1	86.6	89.9	56.01	0	13.4
7/25/2021 18:00	4.9	236.3	35.12	15.11	82	78.75	86.6	78.25	0.08	13.42
7/25/2021 19:00	3.1	184.1	32.06	7.649	83.2	81.8	84.7	71.46	0	13.5
7/25/2021 20:00	3.2	196.7	30.01	10.08	84.3	83.7	84.9	69.35	0	13.5
7/25/2021 21:00	3.5	201.4	28.84	8.84	83	82.3	83.7	71.29	0	13.32
7/25/2021 22:00	2.6	206.5	26.44	7.328	81.7	81.1	82.3	73.33	0	13.19
7/25/2021 23:00	3.8	227.6	19.57	10.26	80.8	80.4	81.2	76.35	0	13.09
7/26/2021 0:00	3.2	234.5	18.87	7.236	79.54	78.77	80.4	79.8	0	13.01
7/26/2021 1:00	2.1	248.8	26.7	5.359	78.08	77.43	78.8	84.1	0	12.95
7/26/2021 2:00	2.0	280	36.21	5.404	76.98	75.71	77.52	86.9	0	12.95

7/26/2021 3:00	0.7	304.2	33.65	2.427	75.27	74.55	75.7	91.4	0	12.95
7/26/2021 4:00	1.5	326.2	9.17	3.801	74.61	74.18	74.97	93	0	12.94
7/26/2021 5:00	2.8	321.6	8.23	5.313	74.12	73.82	74.34	92.8	0	12.92
7/26/2021 6:00	2.4	321.9	16.88	4.626	73.53	73.18	74.09	91.8	0	12.9
7/26/2021 7:00	1.3	318.6	25.48	4.397	73.36	73.08	74.05	91.4	0	12.9
7/26/2021 8:00	2.9	318.8	21.89	5.542	75.37	74.08	77.16	86.7	0	13.34
7/26/2021 9:00	3.3	321.1	33.36	7.832	78.71	77.17	80.2	77.84	0	13.57
7/26/2021 10:00	4.1	324.3	21.75	7.832	81.1	80.2	82.2	71.96	0	13.54
7/26/2021 11:00	3.5	321.6	16.91	6.962	82.4	81.9	83	69.01	0	13.51
7/26/2021 12:00	2.3	336.1	34.63	8.02	84.3	82.8	85	65.4	0	13.51
7/26/2021 13:00	2.8	31.74	44.82	7.923	86.3	85	87.4	62.07	0	13.46
7/26/2021 14:00	2.2	32.77	40.55	5.862	86.9	85.7	88.2	61.21	0	13.44
7/26/2021 15:00	2.6	82.9	50.09	6.595	89.2	87.5	90.5	47.72	0	13.4
7/26/2021 16:00	2.5	345.4	59	7.328	90.4	89	91.5	45.74	0	13.38
7/26/2021 17:00	1.9	11.15	64.57	6.229	90.8	89	92.3	45.23	0	13.37
7/26/2021 18:00	1.6	77.38	53.84	4.626	89	87.9	89.9	50.92	0	13.37
7/26/2021 19:00	4.1	28.56	45.32	13.05	82.9	78.36	87.9	64.8	0	13.39
7/26/2021 20:00	4.3	114.2	33.44	11.22	77.57	76.58	78.5	76.18	0	13.53
7/26/2021 21:00	2.6	138.9	31.69	5.633	76.21	75.91	76.63	80.9	0	13.33
7/26/2021 22:00	1.5	208	58.72	4.763	75.94	75.04	76.51	81.4	0	13.2
7/26/2021 23:00	2.6	270.2	21.35	5.267	75.04	74.64	75.71	81.2	0	13.1
7/27/2021 0:00	2.3	287	22.07	7.145	73.8	72.97	75.06	84.2	0	13.02
7/27/2021 1:00	1.1	29.2	38.92	2.794	72.6	71.27	73.48	86.5	0	12.96
7/27/2021 2:00	1.5	14.41	23.59	4.351	71.53	69.67	72.7	89.8	0	12.93
7/27/2021 3:00	1.4	23.63	15.66	3.71	69.69	69.28	70.19	95.8	0	12.93
7/27/2021 4:00	1.1	43.96	17.65	3.114	69.05	68.53	69.73	96.9	0	12.94
7/27/2021 5:00	0.8	70.82	8.47	1.832	68.69	68.56	68.83	98.2	0	12.92
7/27/2021 6:00	0.5	134.3	10.44	2.565	68.4	67.88	68.89	98.3	0	12.9
7/27/2021 7:00	0.5	114.8	51.38	2.198	69.19	68.57	70.41	97.2	0	12.9
7/27/2021 8:00	1.2	288.7	25.43	3.481	73.03	70.42	75.72	90.6	0	13.33
7/27/2021 9:00	1.9	338	23.05	3.756	77.47	75.65	80.5	79.96	0	13.6
7/27/2021 10:00	2.8	345.5	27.82	5.862	82.1	80.4	84.7	63.85	0	13.54
7/27/2021 11:00	2.3	42.45	44.17	6.687	86.3	84.7	87.8	54.34	0	13.48
7/27/2021 12:00	3.4	359.1	43.39	9.16	88	87.3	88.9	45.31	0	13.43
7/27/2021 13:00	3.9	351	38.94	9.11	88.6	87.8	89.5	41.35	0	13.43
7/27/2021 14:00	4.9	309.5	36.7	12.5	89.5	88.1	90.6	40.03	0	13.4
7/27/2021 15:00	4.6	312.2	39.27	14.43	90.4	89.4	92	35.99	0	13.4
7/27/2021 16:00	4.8	278.4	42.55	12.55	91.1	90.4	91.7	34.63	0	13.4
7/27/2021 17:00	4.8	288.9	31.4	10.21	91.3	90.7	92	31.5	0	13.39
7/27/2021 18:00	4.5	316.8	26.58	10.63	90.4	89.7	91.2	32.82	0	13.4
7/27/2021 19:00	4.0	318.2	17.23	9.43	89.1	88	89.9	32.18	0	13.4
7/27/2021 20:00	2.5	355.7	19.68	5.771	86.5	85.2	88	36.01	0	13.4
7/27/2021 21:00	1.8	46.14	32.92	3.756	81.3	77.88	85.2	46.21	0	13.27
7/27/2021 22:00	1.7	41.37	13.56	2.84	75.72	72.6	77.87	66.25	0	13.15
7/27/2021 23:00	1.5	11.23	34.63	3.527	72.66	70.74	75.66	77.83	0	13.06
7/28/2021 0:00	0.8	46.68	24.47	2.198	72.51	71.14	73.78	75.84	0	12.99
7/28/2021 1:00	0.8	29.14	13.72	2.015	72.03	70.26	73.09	77.16	0	12.94
7/28/2021 2:00	1.4	4.445	44.87	2.977	70.85	68.37	73.21	79.96	0	12.93
7/28/2021 3:00	1.3	34.03	22.64	5.084	69.89	67.29	72.74	82.9	0	12.93
7/28/2021 4:00	0.7	348.5	18.57	2.611	69.63	67.14	72.15	82.6	0	12.92
7/28/2021 5:00	2.6	25.84	11.16	3.939	68.78	67.33	71.74	87.2	0	12.91
7/28/2021 6:00	2.6	4.189	20.68	4.214	70.29	67.42	71.99	79.35	0	12.89
7/28/2021 7:00	3.0	352.8	12.93	4.397	72.24	69.39	73.53	70.7	0	12.88
7/28/2021 8:00	1.5	6.908	32.94	4.443	72.77	70.02	75.6	75.14	0	13.28
7/28/2021 9:00	1.3	23.42	49.08	5.542	78.24	75.58	81.3	63.55	0	13.6

7/28/2021 10:00	2.1	46.25	38.39	6.687	81.7	80.3	83.1	59.36	0	13.52
7/28/2021 11:00	2.8	27.61	48.9	7.236	83.5	82.6	84.5	54.92	0	13.49
7/28/2021 12:00	3.0	14.7	46.94	8.24	85.3	83.9	86.4	51.41	0	13.48
7/28/2021 13:00	3.8	0.243	43.47	11.31	86.8	85.8	88.5	46.73	0	13.45
7/28/2021 14:00	3.5	45.18	46.54	8.38	87.9	86.8	89.1	45.77	0	13.43
7/28/2021 15:00	2.5	55.03	52.25	8.66	86.7	84.7	89.1	48.65	0	13.43
7/28/2021 16:00	2.3	27.16	41.94	7.374	87.7	86.5	88.8	49.01	0	13.42
7/28/2021 17:00	2.3	45.89	42.44	7.328	88.2	86.7	89.6	48.16	0	13.4
7/28/2021 18:00	2.4	55.22	59.93	5.588	88	87.1	89.1	47.54	0	13.4
7/28/2021 19:00	1.4	62.34	34.88	4.534	87.2	85.8	88	50.12	0	13.4
7/28/2021 20:00	1.9	84.9	19.28	5.45	84.5	82.4	85.8	55.1	0	13.43
7/28/2021 21:00	3.0	129	18.76	6.504	81.4	81	82.4	60.28	0	13.26
7/28/2021 22:00	4.4	101.2	68.21	25.28	77.56	70.25	81.1	71.83	0.67	13.16
7/28/2021 23:00	2.1	245.8	73.02	6.962	70.51	70.15	71.04	97.1	0.02	13.07
7/29/2021 0:00	1.2	207.5	50.05	4.58	70.84	70.3	71.1	95.9	0.01	12.99
7/29/2021 1:00	1.6	129.6	85.5	3.893	70.24	69.86	70.54	94.4	0	12.95
7/29/2021 2:00	1.4	115	63.7	3.572	69.53	69.25	69.96	98	0	12.94
7/29/2021 3:00	2.3	172.5	25.13	6.641	70.15	69.44	70.53	95.8	0	12.95
7/29/2021 4:00	1.6	69.04	75.54	5.084	70.09	69.21	70.64	95.2	0	12.94
7/29/2021 5:00	0.9	51.69	50.03	3.114	69.22	68.86	69.48	98.4	0	12.92
7/29/2021 6:00	0.2	45.31	22.67	1.878	69.33	68.91	69.79	99.1	0	12.9
7/29/2021 7:00	0.7	53.41	33.78	2.153	70.17	69.79	70.58	99.4	0	12.9
7/29/2021 8:00	0.4	108.1	40.21	2.427	71.3	70.47	72.87	98.8	0	13.05
7/29/2021 9:00	2.0	160.3	40.11	7.878	74.14	72.88	75.47	92.7	0	13.62
7/29/2021 10:00	3.7	197.1	36.79	8.34	75.49	74.59	76.53	87.6	0	13.6
7/29/2021 11:00	3.1	214.3	36.91	8.56	77.56	76.01	79.65	82.5	0	13.54
7/29/2021 12:00	3.7	226.5	39.66	9.85	80.3	79.03	81.8	76.86	0	13.52
7/29/2021 13:00	3.1	240.8	44.2	7.374	81.6	81.2	82.2	73.3	0	13.51
7/29/2021 14:00	3.3	193.1	34.58	8.66	82.6	81.5	83.7	70.13	0	13.51
7/29/2021 15:00	4.3	206	32.2	10.58	83.5	82.8	84.7	68.11	0	13.51
7/29/2021 16:00	4.4	225.3	29.84	10.08	84	83.7	84.4	66.26	0	13.51
7/29/2021 17:00	3.9	208.3	56.6	12.18	81.6	72.83	84.4	73.21	0.45	13.49
7/29/2021 18:00	2.8	148.3	42.28	9.62	74.04	72.35	75.91	92.1	0.36	13.59
7/29/2021 19:00	1.7	152.1	75.68	5.862	76.78	74.45	79.07	86.8	0	13.55
7/29/2021 20:00	3.1	230.7	22.7	9.39	78.5	77.97	78.9	80.4	0	13.48
7/29/2021 21:00	1.7	217	36.39	5.679	77.21	75.77	78.19	84.5	0	13.32
7/29/2021 22:00	0.8	155.9	67.24	3.481	75.24	74.63	75.83	90.2	0	13.2
7/29/2021 23:00	3.1	262	20.82	6.778	75.63	75.44	75.97	87.6	0	13.11
7/30/2021 0:00	2.3	273.7	23.65	5.954	75.35	74.94	75.74	88.9	0	13.02
7/30/2021 1:00	1.5	256.7	27.39	3.527	74.99	74.77	75.25	90.3	0	12.96
7/30/2021 2:00	1.7	303.4	52.08	3.527	74.26	72.36	74.92	91.5	0	12.94
7/30/2021 3:00	2.0	20.2	36.11	5.725	72.45	71.75	73.57	96.5	0	12.94
7/30/2021 4:00	1.6	71.04	69.69	3.985	72.58	72.17	73.39	95.8	0	12.93
7/30/2021 5:00	2.3	329.4	23.83	4.992	72.8	72.08	73.47	92.7	0	12.91
7/30/2021 6:00	1.6	339.7	29.27	3.481	72.69	71.68	73.38	91.2	0	12.9
7/30/2021 7:00	1.0	340	22.25	3.572	71.71	71.02	73	93	0	12.9
7/30/2021 8:00	0.6	223.9	17.81	3.389	75.02	72.98	76.77	84.8	0	13.27
7/30/2021 9:00	3.8	281.9	38.41	12.82	78.31	76.77	78.92	76.97	0	13.59
7/30/2021 10:00	6.8	316.4	17.03	13.05	78.98	78.29	79.81	73.13	0	13.57
7/30/2021 11:00	6.9	321.5	19.63	14.66	80.8	79.82	81.9	66.57	0	13.54
7/30/2021 12:00	6.7	335.3	24.16	12.64	82	81.5	82.8	61.28	0	13.51
7/30/2021 13:00	5.9	340.5	24.39	14.2	82.9	82	84	55.33	0	13.49
7/30/2021 14:00	6.4	338.8	28.45	13.24	83.6	83	84.3	50.13	0	13.48
7/30/2021 15:00	5.0	344.5	38.51	12.37	83.9	82.7	85.1	49.92	0	13.48
7/30/2021 16:00	4.7	350.9	29.38	11.4	83.8	82.7	85.2	46.81	0	13.48



7/30/2021 17:00	5.1	344.2	30.76	14.2	84.5	83.9	85.3	43.25	0	13.48
7/30/2021 18:00	3.3	357	39.72	10.76	84.5	83	86	44	0	13.48
7/30/2021 19:00	3.9	350.4	25.38	10.03	82.9	82.3	83.4	42.92	0	13.48
7/30/2021 20:00	4.9	334	16.73	12.32	81.6	79.76	82.9	42.75	0	13.48
7/30/2021 21:00	3.1	348	17.37	5.633	78.33	77.04	79.89	47.28	0	13.3
7/30/2021 22:00	1.6	351.2	22.6	5.771	75.37	73.15	77.04	53.63	0	13.18
7/30/2021 23:00	1.7	16.14	29.74	4.076	73.03	71.06	75.29	58.01	0	13.09
7/31/2021 0:00	1.2	25.17	33.22	2.885	69.65	68.22	71.18	69.09	0	13.01
7/31/2021 1:00	1.0	17.77	35.32	3.389	67.68	67.23	68.28	72.37	0	12.95
7/31/2021 2:00	1.0	10.5	46.79	3.847	67.23	66.48	67.84	68.78	0	12.93
7/31/2021 3:00	0.8	3.468	20.77	2.382	65.79	64.23	66.92	71.02	0	12.93
7/31/2021 4:00	1.2	14.91	45.56	3.023	63.59	62.42	64.55	77.74	0	12.93
7/31/2021 5:00	0.9	14.86	32.71	3.023	61.88	61.56	62.45	84.1	0	12.91
7/31/2021 6:00	0.9	355.7	26.9	2.473	61.28	61.02	61.65	87	0	12.9
7/31/2021 7:00	0.4	6.43	35.19	2.153	61.57	61.27	62.09	87.3	0	12.88
7/31/2021 8:00	0.8	9.04	35.16	3.16	62.65	61.96	63.45	83.7	0	12.99
7/31/2021 9:00	1.3	53.29	40.98	3.527	64.38	63.45	65.82	79.01	0	13.77
7/31/2021 10:00	1.8	98.7	26.48	6.137	66.93	65.83	67.77	71.18	0	13.72
7/31/2021 11:00	1.7	102.4	29.87	5.267	68.78	67.67	70.3	66.79	0	13.67
7/31/2021 12:00	2.5	111.7	72.17	8.61	71.85	69.16	74.01	61.21	0	13.59
7/31/2021 13:00	2.6	187.6	78.8	8.47	73.86	72.7	75.05	55.46	0	13.58
7/31/2021 14:00	3.3	209.2	63.25	12.82	75.88	74.51	76.91	52.29	0	13.55
7/31/2021 15:00	4.3	250.8	53.9	11.45	77.69	76.36	78.71	51.76	0	13.54
7/31/2021 16:00	3.3	226.1	63.3	9.21	78.15	77.01	78.94	52.23	0	13.52
7/31/2021 17:00	3.0	213.3	42.94	7.694	78.11	77.67	78.44	52.39	0	13.52
7/31/2021 18:00	2.9	202.2	40.11	7.374	78.51	78.12	78.97	51.78	0	13.52
7/31/2021 19:00	2.0	168.3	38.62	6.549	78.08	77.2	78.79	53.73	0	13.52
7/31/2021 20:00	2.0	162.6	35.98	6.733	76.6	75.98	77.19	57.94	0	13.52
7/31/2021 21:00	2.1	130.8	26.72	4.809	74.46	72.66	75.99	63.59	0	13.35
7/31/2021 22:00	2.2	127.9	16.21	4.992	72.11	71.87	72.69	71.38	0	13.24
7/31/2021 23:00	1.6	120.8	23.59	4.443	71.47	70.66	72.05	74.15	0	13.14