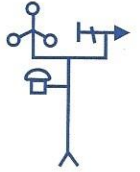




TECHNICAL ENVIRONMENTAL SERVICES, LLC



November 10, 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 October 2021. All the instrumentation functioned normally during the period. Data recovery for all the parameters was near 100%. October precipitation total was 3.89 inches.

Attached is a wind rose for October 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-OCTOBER 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

Run Date: 11/10/2021 4:59:03PM

WIND ROSE

(WINDS FROM)

N

↓

0.00% PERCENT CALMS

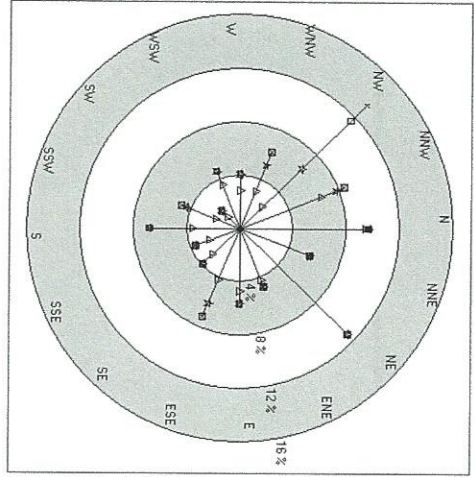
(NOT INCLUDED IN PLOT)

Start Date: 10/1/2021 01:00

End Date: 10/31/2021 23:00

Sensors Selected:

3M_LWS
3M_LVD



- Legend
- △ WIND SPEED LESS THAN 3.5MPH
 - * WIND SPEED LESS THAN 7.5MPH
 - WIND SPEED LESS THAN 12.5MPH
 - * WIND SPEED GREATER THAN 12.5MPH

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)	
10/1/2021 0:00	2.0	21.26	4.499	3.389	54.75	52.39	56.6	87.4	0	13.06
10/1/2021 1:00	0.3	14.83	13.15	1.74	51.1	50.65	52.37	96.4	0	13
10/1/2021 2:00	1.8	35.12	7.887	2.748	51.44	50.73	51.94	96.1	0	12.94
10/1/2021 3:00	1.9	32.26	7.03	3.16	50.25	49.3	51.07	97.4	0	12.93
10/1/2021 4:00	1.8	41.12	18.98	4.58	49.86	49.2	50.6	96.8	0	12.94
10/1/2021 5:00	0.9	13.53	12.25	2.702	48.8	48.31	49.23	97.7	0	12.93
10/1/2021 6:00	0.5	6.198	11.96	2.382	48.5	48.29	48.84	97.8	0	12.92
10/1/2021 7:00	0.2	22.68	4.744	2.427	48.2	47.94	48.41	97.1	0	12.9
10/1/2021 8:00	0.0	11.59	1.418	1.557	47.41	46.61	50.03	97.4	0	12.9
10/1/2021 9:00	0.4	36.03	17.08	3.023	54.47	50.06	56.91	83.1	0	13.92
10/1/2021 10:00	1.4	50.83	43.81	4.672	58.42	56.63	60.29	70.84	0	13.82
10/1/2021 11:00	1.8	11.17	50.75	5.633	61.48	60.29	62.78	59.42	0	13.74
10/1/2021 12:00	1.9	93.2	91.1	6.778	63.96	62.71	65.3	53.72	0	13.68
10/1/2021 13:00	2.8	292	78.11	7.969	65.82	64.75	67.61	52.61	0	13.67
10/1/2021 14:00	3.6	314.9	39.77	10.35	67.22	66.24	68.28	50.89	0	13.64
10/1/2021 15:00	3.7	303.4	42.08	9.94	68.71	67.35	69.33	50.01	0	13.64
10/1/2021 16:00	4.0	302.3	36.76	9.62	69.44	68.77	70.68	48.7	0	13.63
10/1/2021 17:00	3.2	309.2	45.87	11.27	69.99	69.35	70.68	48.21	0	13.63
10/1/2021 18:00	3.4	312.6	25.78	7.374	69.26	68.38	69.85	49.41	0	13.63
10/1/2021 19:00	2.0	355.5	34.28	5.817	66.46	63.22	68.8	57	0	13.58
10/1/2021 20:00	2.7	32.33	4.118	3.527	61.84	60.31	63.41	68.85	0	13.44
10/1/2021 21:00	1.3	24.94	6.005	3.252	56.81	55.1	60.57	89.5	0	13.33
10/1/2021 22:00	1.3	40.49	25.95	2.473	54.56	52.52	55.69	93.7	0	13.24
10/1/2021 23:00	1.0	40.22	12.83	2.794	54.04	52.79	55.11	94.7	0	13.16
10/2/2021 0:00	0.6	47.09	10.61	2.656	52.43	51.28	53.33	96.1	0	13.08
10/2/2021 1:00	1.7	42.07	5.86	2.977	51.33	49.98	52.7	97.1	0	13
10/2/2021 2:00	0.7	38.94	5.092	2.244	50.74	49.7	51.3	98.3	0	12.94
10/2/2021 3:00	1.0	51.77	9.83	2.382	50.6	49.93	51.05	97.6	0	12.93
10/2/2021 4:00	1.7	41.1	13.93	3.252	49.09	47.87	50.11	98	0	12.93
10/2/2021 5:00	0.1	64.08	15.34	1.924	48.84	47.88	49.33	99	0	12.93
10/2/2021 6:00	0.6	46.96	8.43	3.16	47.75	46.92	49.9	98.6	0	12.92
10/2/2021 7:00	1.3	43.77	6.816	2.656	47.93	46.94	48.82	99.2	0	12.89
10/2/2021 8:00	0.4	55.29	5.251	1.969	49.27	47.29	52.31	98.9	0	12.89
10/2/2021 9:00	0.3	178.6	15.72	3.16	57.81	52.33	60.27	88.8	0	13.85
10/2/2021 10:00	1.4	198.8	37.4	5.45	62.9	60.27	64.54	80.6	0	13.76
10/2/2021 11:00	3.3	239	46.75	8.02	66.36	64.36	67.8	73.31	0	13.7
10/2/2021 12:00	3.7	247.5	35.28	7.786	69.07	67.68	70.9	68.47	0	13.67
10/2/2021 13:00	3.2	251.3	44.97	8.11	71.98	70.63	74.69	63.77	0	13.61
10/2/2021 14:00	2.9	249.2	46.09	8.29	74.99	73.53	76.96	57.81	0	13.58
10/2/2021 15:00	2.9	240.9	58.11	7.099	76.73	75.87	77.52	51.24	0	13.55
10/2/2021 16:00	3.1	246.7	42.56	7.191	77.35	76.72	77.92	47.99	0	13.55
10/2/2021 17:00	3.6	273.9	23.97	7.511	77.07	76.04	77.93	51.5	0	13.55
10/2/2021 18:00	1.6	282	21.97	4.305	75.39	73.99	77.14	56.54	0	13.55
10/2/2021 19:00	1.5	31.1	18.62	3.16	71.43	68.23	74.32	66.45	0	13.52
10/2/2021 20:00	1.2	47	21.49	2.702	66.42	64.91	68.2	82.1	0	13.38
10/2/2021 21:00	0.7	40.3	4.463	2.153	63.68	62.55	64.93	91.8	0	13.27
10/2/2021 22:00	1.6	37.92	7.98	2.427	62.24	61.07	63.03	95.9	0	13.17
10/2/2021 23:00	0.7	45.24	4.535	2.061	60.62	59.95	61.45	97.5	0	13.09
10/3/2021 0:00	0.6	38.22	4.444	2.244	59.69	58.23	60.28	97.9	0	13.01
10/3/2021 1:00	0.5	43.22	2.625	2.382	57.99	57.34	58.45	98.5	0	12.96
10/3/2021 2:00	0.1	35.01	2.278	1.511	57.47	56.85	57.86	99.1	0	12.94
10/3/2021 3:00	1.1	36.44	10.2	2.656	57.27	55.95	58.37	99.1	0	12.94
10/3/2021 4:00	0.5	34.67	5.589	3.252	56.15	55.46	57.43	99.3	0	12.94

10/3/2021 5:00	0.7	33.85	13.99	2.931	55.9	55.13	57.12	99.3	0	12.92
10/3/2021 6:00	0.6	40.46	21.74	2.244	55.93	55.23	56.65	99.6	0	12.9
10/3/2021 7:00	0.6	34.44	6.22	2.519	55.88	55.42	56.63	99.3	0	12.88
10/3/2021 8:00	0.6	29.8	11.02	2.702	57.11	55.79	58.39	98.9	0	12.88
10/3/2021 9:00	0.3	154.9	35.38	2.29	62.82	57.89	66.3	91.6	0	13.78
10/3/2021 10:00	0.8	151.6	27.36	3.069	69.95	66.25	73.29	78.48	0	13.69
10/3/2021 11:00	2.3	280.4	40.36	5.817	75.33	73.3	78.16	64.45	0	13.59
10/3/2021 12:00	2.0	221.3	42.79	5.542	79.95	78.18	82	55.24	0	13.53
10/3/2021 13:00	4.1	254.2	35.32	9.07	81.5	80.2	82.3	52.12	0	13.52
10/3/2021 14:00	3.5	248.5	41.06	8.2	82.8	81.7	83.6	49.06	0	13.49
10/3/2021 15:00	4.0	234.6	41.72	9.39	83.6	83.2	84.4	48.94	0	13.46
10/3/2021 16:00	4.3	199.8	32.33	11.18	83.3	82	84.3	47.93	0	13.46
10/3/2021 17:00	3.8	204.8	28.97	8.61	81	80.7	82	51.76	0	13.46
10/3/2021 18:00	3.4	190.4	31.99	10.49	80.1	79.04	81	61.39	0	13.51
10/3/2021 19:00	2.3	177.3	24.56	6.412	78.04	76.72	79.05	66.69	0	13.45
10/3/2021 20:00	1.6	140	27.83	3.664	75.57	73.4	76.73	73.07	0	13.29
10/3/2021 21:00	0.6	146.1	11.57	2.473	72.91	72.5	73.43	81.1	0	13.18
10/3/2021 22:00	2.4	195.7	24.55	6.916	73.23	72.59	73.6	78.33	0	13.09
10/3/2021 23:00	2.5	201.5	22.69	6.641	73.15	72.74	73.41	76.19	0	13.01
10/4/2021 0:00	2.9	204.5	24.29	8.56	72.78	72.66	72.91	76.4	0	12.95
10/4/2021 1:00	2.1	206.3	22.76	7.099	72.25	71.76	72.81	78.54	0	12.95
10/4/2021 2:00	1.0	194.4	20.21	2.84	71.48	71.26	71.81	81.1	0	12.96
10/4/2021 3:00	2.5	222.7	30.47	10.21	71.2	70	71.74	83.5	0	12.96
10/4/2021 4:00	0.9	212.5	38.13	4.809	69.53	69.37	69.98	91.2	0	12.94
10/4/2021 5:00	0.3	99.8	19.8	2.336	68.43	67.12	69.4	94	0	12.92
10/4/2021 6:00	1.0	277.3	25.77	3.572	67.76	67.08	68.11	94.7	0	12.9
10/4/2021 7:00	2.0	240.3	19.88	4.901	67.75	67.53	67.94	94.6	0	12.89
10/4/2021 8:00	2.0	240.1	21.11	5.496	67.54	67.36	67.84	95.1	0	12.89
10/4/2021 9:00	2.3	243.6	25.19	5.496	68.32	67.83	69.04	94.1	0	13.48
10/4/2021 10:00	2.8	259.3	41.67	9.43	71.86	69.04	74.14	85.1	0	13.63
10/4/2021 11:00	3.1	294	28.1	8.06	74.16	73.17	75.75	75.41	0	13.59
10/4/2021 12:00	1.7	238.3	38.22	5.038	75.89	75.44	76.73	71.83	0	13.56
10/4/2021 13:00	3.2	227.6	41.39	8.38	78.35	76.61	80.9	66.11	0	13.53
10/4/2021 14:00	3.6	262.6	41.84	9.25	80.3	78.71	82.1	62.07	0	13.5
10/4/2021 15:00	3.3	269.7	41.3	7.511	81	80.2	82.4	60.15	0	13.5
10/4/2021 16:00	3.9	225.8	35.57	12.18	81.3	79.33	84.2	58.3	0	13.5
10/4/2021 17:00	3.0	225	37.49	6.595	80.8	79.27	82.8	59.29	0	13.51
10/4/2021 18:00	2.0	208.2	41.84	9.3	80.8	78.17	83.1	59.21	0	13.5
10/4/2021 19:00	1.4	78.34	27.43	3.252	76.52	75.19	78.16	70.15	0	13.39
10/4/2021 20:00	2.0	107.3	44.99	6.962	73.42	72.73	75.23	80.7	0.01	13.25
10/4/2021 21:00	1.7	94.6	31.58	4.672	70.56	69.48	72.7	88.5	0	13.13
10/4/2021 22:00	0.1	30.89	19.66	3.16	68.63	68.4	69.51	95.3	0	12.89
10/4/2021 23:00	1.8	77.93	31.55	5.908	69.27	68.61	69.77	95.1	0.01	12.99
10/5/2021 0:00	0.3	79.01	52.75	1.832	68.76	68.5	69.42	98.1	0	12.94
10/5/2021 1:00	0.4	324.4	42.96	1.924	69.79	69.29	70.13	95.8	0	12.94
10/5/2021 2:00	0.3	241	27.63	2.382	69.01	68.3	70.13	96.5	0	12.94
10/5/2021 3:00	0.3	231.6	12.43	1.969	68.16	67.11	68.79	97.7	0	12.94
10/5/2021 4:00	0.9	344.2	46.9	2.702	66.8	65.77	67.44	98.8	0	12.84
10/5/2021 5:00	0.8	14.51	6.616	3.756	66.21	65.44	66.73	99.6	0	12.8
10/5/2021 6:00	1.3	32.17	28.25	4.763	64.3	63.08	65.49	99.5	0	12.64
10/5/2021 7:00	1.2	49.03	48.53	2.84	63.26	62.16	63.73	99.9	0	12.63
10/5/2021 8:00	1.2	19.62	11.68	4.076	62.33	61.88	63.21	99.9	0	12.86
10/5/2021 9:00	0.8	15.08	27.21	3.16	64.05	62.95	65.25	100	0	13.15
10/5/2021 10:00	1.3	51.44	34.04	5.359	66.23	65.24	67.01	100	0	13.71
10/5/2021 11:00	1.7	60.33	34.82	5.313	67.76	66.88	68.65	100	0	13.7

10/5/2021 12:00	1.1	34.55	38.66	3.664	70.06	68.53	71.47	99	0	13.66
10/5/2021 13:00	2.1	46.6	53.89	7.511	74.38	71.5	76.37	85.8	0	13.58
10/5/2021 14:00	2.3	143.2	42.1	6.412	76.66	76.02	77.51	75.53	0	13.55
10/5/2021 15:00	2.5	124.2	32.34	8.79	78.65	76.31	79.69	69.74	0	13.52
10/5/2021 16:00	2.5	85.5	40.15	6.916	78.7	77.42	81.2	70.73	0	13.49
10/5/2021 17:00	4.3	109	22.79	9.07	76.22	74.07	79.15	78.56	0	13.49
10/5/2021 18:00	5.3	107.7	20.66	11.95	71.14	69.04	74.07	87.6	0	13.52
10/5/2021 19:00	4.2	101.1	20.99	8.93	68.52	68.05	69.04	92.5	0	13.4
10/5/2021 20:00	3.9	100.1	23.79	11.36	67.64	67.39	68.11	94.6	0	13.27
10/5/2021 21:00	2.8	105.5	23.11	7.007	67.41	67.32	67.55	96.4	0	13.17
10/5/2021 22:00	2.6	98.3	21.5	6.549	67.45	67.37	67.55	97.2	0	13.08
10/5/2021 23:00	2.8	94.9	20.99	7.145	67.24	67.2	67.38	98.7	0	13.01
10/6/2021 0:00	2.1	74.47	23.36	7.328	67.11	66.9	67.25	99.3	0	12.96
10/6/2021 1:00	2.0	87.4	22.88	6.091	66.71	66.62	66.92	99.3	0.01	12.95
10/6/2021 2:00	2.5	97.5	18.37	8.56	66.54	66.25	66.68	99.4	0.02	12.96
10/6/2021 3:00	3.2	100.1	18.8	7.282	65.96	65.58	66.29	99.4	0	12.95
10/6/2021 4:00	3.6	98.7	20.56	8.11	65.29	65.18	65.58	99.7	0	12.94
10/6/2021 5:00	2.7	98.8	20.98	6.229	65.16	65.05	65.25	99.9	0	12.93
10/6/2021 6:00	2.6	98.7	23.02	6.366	64.98	64.89	65.1	100	0	12.92
10/6/2021 7:00	2.9	95.6	20.99	5.862	64.85	64.81	64.93	100	0.01	12.9
10/6/2021 8:00	3.2	96.7	20.24	9.11	64.81	64.76	64.89	100	0	12.89
10/6/2021 9:00	3.0	93	23.5	7.969	64.79	64.56	64.97	100	0	12.9
10/6/2021 10:00	3.7	98.8	20.54	8.66	64.49	64.42	64.57	100	0	13.04
10/6/2021 11:00	3.6	100.2	20.66	7.74	64.84	64.51	65.14	100	0	13.42
10/6/2021 12:00	3.2	109.7	24.89	6.824	65.31	64.98	65.79	99.8	0	13.72
10/6/2021 13:00	3.5	109.7	22.91	8.24	65.93	65.61	66.31	98.1	0	13.72
10/6/2021 14:00	2.5	105.3	22.45	6.687	67.06	66.31	67.65	94.7	0	13.7
10/6/2021 15:00	2.6	113.2	23.36	5.45	68.14	67.48	68.67	91.5	0	13.69
10/6/2021 16:00	2.3	98.7	23.65	6	68.33	68.06	68.65	90.9	0	13.7
10/6/2021 17:00	2.4	103.2	23.26	5.817	68.97	68.59	69.42	88.4	0	13.69
10/6/2021 18:00	1.2	115.2	18.03	3.343	68.34	68.16	68.61	90.8	0	13.67
10/6/2021 19:00	0.8	55.56	14.42	3.252	68.01	67.56	68.47	92.6	0	13.47
10/6/2021 20:00	0.6	102.6	9.85	3.71	67.53	67.26	67.74	93.3	0	13.35
10/6/2021 21:00	1.5	110	21.49	5.404	67.58	67.36	67.76	91.6	0	13.24
10/6/2021 22:00	1.1	120	21.58	3.481	67.23	67.13	67.38	92.5	0	13.15
10/6/2021 23:00	1.7	121	17.63	3.618	67.01	66.58	67.29	93.3	0	13.06
10/7/2021 0:00	2.4	119	12.44	4.58	66.33	66.19	66.61	94.8	0	13
10/7/2021 1:00	2.9	118.9	14.95	5.404	65.31	64.51	66.2	94	0	12.96
10/7/2021 2:00	2.0	119.9	16.86	4.763	64.23	64.06	64.51	95.2	0	12.96
10/7/2021 3:00	1.7	131.1	24.52	4.626	63.99	63.78	64.22	95.6	0	12.96
10/7/2021 4:00	2.0	129.8	20.69	5.084	63.46	62.98	63.81	95.8	0	12.96
10/7/2021 5:00	1.1	159.6	19.65	3.71	62.99	62.91	63.11	96.9	0	12.95
10/7/2021 6:00	0.8	92.2	24.81	3.756	62.61	62.42	62.97	97	0	12.93
10/7/2021 7:00	0.2	121.3	17.82	2.565	62.63	62.48	62.78	97	0	12.92
10/7/2021 8:00	0.6	129.5	17.9	3.481	62.86	62.74	63.21	96.1	0	12.91
10/7/2021 9:00	1.3	110.2	22.73	4.672	63.94	63.17	64.83	92.6	0	13.21
10/7/2021 10:00	2.9	109.3	26.21	6.962	65.38	64.76	66.06	85.9	0	13.71
10/7/2021 11:00	2.1	96.4	44.57	5.45	67.31	66.05	69	80.8	0	13.67
10/7/2021 12:00	2.2	112.2	66.55	6.275	70.63	68.14	72.61	72.86	0	13.59
10/7/2021 13:00	2.2	129.2	58.32	6.733	72.11	71.16	73.45	70.14	0	13.58
10/7/2021 14:00	2.0	317	90.3	6.229	72.55	71.02	74.57	68.38	0	13.57
10/7/2021 15:00	1.7	11.73	73.41	5.679	73.76	73.23	74.72	67	0	13.57
10/7/2021 16:00	2.2	137.4	27.24	5.359	73.47	72.83	74.53	66.48	0	13.57
10/7/2021 17:00	1.8	138.4	23.4	5.359	73.06	72.7	73.63	66.26	0	13.58
10/7/2021 18:00	0.6	87.1	37.03	2.565	72.04	70.34	73.06	70.67	0	13.6

10/7/2021 19:00	1.9	44.83	9.09	2.794	69.13	68.06	70.34	81.7	0	13.48
10/7/2021 20:00	2.0	63.83	8.21	2.931	67.94	67.36	68.66	83.5	0	13.34
10/7/2021 21:00	0.4	66.72	4.855	2.153	66.62	65.4	68	88.1	0	13.24
10/7/2021 22:00	0.1	35.7	0.595	1.557	65.94	65.53	66.32	88.7	0	13.14
10/7/2021 23:00	0.2	91.7	3.293	1.649	65.72	64.69	66.46	88.5	0	13.06
10/8/2021 0:00	1.3	34.68	24	2.702	64.66	63.91	65.67	93	0	12.99
10/8/2021 1:00	0.4	42.79	6.448	2.198	63.47	62.55	64.38	97.1	0	12.95
10/8/2021 2:00	0.0	0	0	0	62.53	62.25	62.8	98.8	0	12.95
10/8/2021 3:00	0.2	38.58	6.317	2.153	61.98	60.99	62.9	98.8	0	12.95
10/8/2021 4:00	0.0	56.86	2.408	2.519	61.93	61.64	62.24	99.2	0	12.94
10/8/2021 5:00	0.1	37.4	1.471	2.015	61.68	61.03	62.12	99.3	0	12.94
10/8/2021 6:00	0.7	45.61	5.738	3.023	60.51	60.12	61.02	99.5	0	12.92
10/8/2021 7:00	0.2	12.05	18.69	2.107	60.14	59.75	60.39	99.7	0	12.91
10/8/2021 8:00	0.2	50.68	3.182	1.74	60.26	59.47	61.83	99.7	0	12.91
10/8/2021 9:00	0.0	55.41	0.297	1.008	64.6	61.83	69.47	95.8	0	13.77
10/8/2021 10:00	1.0	128.1	28.73	3.618	70.53	69.24	72.7	79.75	0	13.66
10/8/2021 11:00	1.7	169.3	47.99	6.962	72.96	72.06	74.56	71.23	0	13.6
10/8/2021 12:00	2.0	158.2	46.18	5.908	73.3	72.38	75.03	68.97	0	13.58
10/8/2021 13:00	2.0	172.6	41.9	5.404	73.32	72.84	74.24	67.23	0	13.57
10/8/2021 14:00	2.8	177.6	49.79	7.236	73.67	73.1	74.19	67.13	0	13.57
10/8/2021 15:00	3.0	188	40.39	7.282	73.92	73.59	74.38	64.69	0	13.57
10/8/2021 16:00	2.9	224.8	33.33	7.649	74.47	74.1	75.79	63.09	0	13.57
10/8/2021 17:00	1.9	142.7	40.92	5.496	75.16	73.45	76.73	61.64	0	13.57
10/8/2021 18:00	0.9	101.1	16.03	2.565	72.6	71.39	73.49	71.76	0	13.57
10/8/2021 19:00	1.4	112.9	18.54	3.252	70.54	70.02	71.39	76.56	0	13.38
10/8/2021 20:00	1.4	100.6	40.28	4.122	69.8	68.63	70.49	76.85	0	13.26
10/8/2021 21:00	1.2	86	17.95	2.748	68.61	67.79	68.98	79.56	0	13.16
10/8/2021 22:00	1.0	110.8	21.38	3.389	67.71	67.16	68.24	80.9	0	13.08
10/8/2021 23:00	1.3	103.2	20.89	2.931	66.69	65.47	67.42	81.9	0	13.01
10/9/2021 0:00	0.6	52.22	10.19	2.84	65.13	64.24	65.75	86.1	0	12.96
10/9/2021 1:00	1.9	72.29	27.79	3.847	63.47	62.81	64.27	92	0	12.95
10/9/2021 2:00	1.2	101	22.93	3.71	63.06	62.35	63.58	93.8	0	12.95
10/9/2021 3:00	1.7	99.6	17.1	5.267	63.97	63.55	64.22	92.6	0	12.94
10/9/2021 4:00	1.8	113.5	19.95	4.076	64	63.4	64.31	91.1	0	12.94
10/9/2021 5:00	1.2	86.8	20.09	4.122	62.63	62.29	63.44	93.9	0	12.93
10/9/2021 6:00	0.9	80.5	15.79	3.664	62.23	62.1	62.48	95.6	0	12.91
10/9/2021 7:00	1.4	58.01	23.88	4.305	62.17	61.98	62.31	96.5	0	12.89
10/9/2021 8:00	0.9	27.39	19.48	2.84	61.64	61.28	62.17	97.7	0	12.88
10/9/2021 9:00	1.0	35.77	28.96	4.946	63.68	62.04	64.4	96.2	0	13.06
10/9/2021 10:00	2.3	84.4	39.81	8.79	65.68	64.26	67.19	90.6	0	13.72
10/9/2021 11:00	4.7	102.9	28.35	13.56	67.03	66.63	67.52	83.5	0	13.7
10/9/2021 12:00	4.4	102	29.19	11.5	67.52	66.87	69.05	80.1	0	13.69
10/9/2021 13:00	4.6	105.1	28.06	12.64	69.08	68.3	71.49	76.07	0	13.66
10/9/2021 14:00	6.0	110.9	29.66	14.29	70.01	69.16	70.76	71.83	0	13.63
10/9/2021 15:00	4.8	104.3	27.68	12.05	70.44	70.02	71.32	70.48	0	13.63
10/9/2021 16:00	4.9	103.2	25.95	12.09	70.15	68.84	71.28	70.69	0	13.63
10/9/2021 17:00	3.0	96.7	25.97	8.98	68.75	68.43	69.15	75.95	0	13.64
10/9/2021 18:00	2.9	89.4	22.97	6.916	68.72	68.16	69.18	77.23	0	13.64
10/9/2021 19:00	3.0	87.3	23.09	10.76	67.48	66.83	68.16	80.1	0	13.47
10/9/2021 20:00	2.2	75.95	24.48	7.053	66.54	66.23	66.84	83	0	13.34
10/9/2021 21:00	1.4	58.42	26.61	3.847	65.79	65.51	66.23	85.3	0	13.24
10/9/2021 22:00	1.0	56.06	17.82	4.855	64.9	64.46	65.58	87.1	0	13.15
10/9/2021 23:00	1.7	57.85	27.94	4.58	64.02	63.49	64.48	87.8	0	13.07
10/10/2021 0:00	1.7	48.25	27.12	8.43	63.41	63.29	63.53	88.5	0	13
10/10/2021 1:00	2.2	56.57	31.55	7.694	63.55	63.42	63.72	88	0	12.95

10/10/2021 2:00	1.8	43.44	33.01	7.236	63.49	63.31	63.61	88.8	0	12.95
10/10/2021 3:00	1.6	50.84	33.19	5.221	62.9	62.78	63.36	92.3	0	12.96
10/10/2021 4:00	1.8	58.12	31.52	6.32	62.69	62.58	62.84	95.1	0	12.95
10/10/2021 5:00	2.4	60.61	27.63	7.053	63.34	62.81	63.73	96.4	0	12.94
10/10/2021 6:00	2.1	61.95	26.15	6.32	63.89	63.69	64.23	97.7	0	12.93
10/10/2021 7:00	1.8	57.46	26.68	7.236	64.48	64.21	64.69	98.1	0	12.92
10/10/2021 8:00	1.9	67.61	27.45	5.679	64.64	64.6	64.71	98	0	12.9
10/10/2021 9:00	2.7	68.47	28.35	8.11	64.85	64.61	65.29	97.8	0	12.93
10/10/2021 10:00	3.9	82.2	24.86	12.37	65.49	65.19	66.12	95.4	0	13.49
10/10/2021 11:00	3.6	77.69	28.84	9.71	66.87	66.11	67.7	90.4	0	13.72
10/10/2021 12:00	3.4	67.93	32.86	11.36	68.24	67.54	69.07	86.5	0	13.69
10/10/2021 13:00	4.1	81.4	30.59	11.08	68.71	68.49	69.11	84.9	0	13.67
10/10/2021 14:00	3.7	64.46	34.41	10.26	68.86	68.48	69.53	84.4	0	13.67
10/10/2021 15:00	3.4	70.19	35.63	8.84	69.28	68.69	70	83.8	0	13.67
10/10/2021 16:00	2.6	41.54	35.92	9.21	68.67	68.14	69.95	83.8	0	13.67
10/10/2021 17:00	2.5	35.61	41.75	7.374	69.02	68.14	70.15	83.2	0	13.66
10/10/2021 18:00	2.2	42.74	38.24	7.603	68.91	67.58	70.34	82.9	0	13.66
10/10/2021 19:00	2.3	44.52	33.51	8.2	66.97	66.32	67.62	85.9	0	13.47
10/10/2021 20:00	2.2	35.78	34.96	7.74	65.9	65.31	66.35	87.9	0	13.34
10/10/2021 21:00	2.3	16.69	30.58	8.24	64.17	63.47	65.34	94.2	0	13.24
10/10/2021 22:00	1.8	34.27	31.06	6.595	63.44	63.39	63.51	96.4	0	13.15
10/10/2021 23:00	1.2	17.45	31.39	4.901	63.43	63.39	63.5	95.9	0	13.07
10/11/2021 0:00	1.2	4.028	28.41	4.076	63.18	62.9	63.5	97	0	13
10/11/2021 1:00	1.3	10.94	26.62	4.672	62.91	62.87	62.98	98.7	0	12.96
10/11/2021 2:00	1.2	23.9	29.35	5.633	62.86	62.38	63.02	98.7	0.01	12.95
10/11/2021 3:00	0.5	3.179	16.29	3.023	61.84	61.51	62.41	98.4	0	12.96
10/11/2021 4:00	1.2	9.65	26.76	4.397	61.67	61.44	61.89	98.6	0	12.95
10/11/2021 5:00	1.9	352.3	26.22	5.954	61.48	61.41	61.64	97.7	0	12.94
10/11/2021 6:00	1.2	47.13	28.33	4.626	61.6	61.49	61.7	96.2	0	12.93
10/11/2021 7:00	1.4	39.75	33.49	8.11	61.46	61.37	61.57	94	0	12.91
10/11/2021 8:00	1.3	358.2	27.08	4.763	61.34	61.28	61.51	91.3	0	12.91
10/11/2021 9:00	2.2	0.048	29.83	7.145	61.73	61.47	61.97	90.6	0	13
10/11/2021 10:00	2.5	1.942	31.63	7.007	62.5	61.97	63.02	91.0	0	13.77
10/11/2021 11:00	2.1	5.317	29.48	5.359	62.9	62.54	63.33	90.2	0	13.75
10/11/2021 12:00	1.7	11.18	30.39	5.404	63.98	62.94	65.1	88.8	0	13.75
10/11/2021 13:00	2.2	31.1	40.73	7.374	65.38	64.89	65.87	85	0	13.7
10/11/2021 14:00	2.2	28.16	39.27	6.733	65.93	65.28	66.74	84	0	13.7
10/11/2021 15:00	2.3	14.93	40.49	8.2	66.58	66.18	67.18	83.4	0	13.7
10/11/2021 16:00	2.1	56.24	34.22	6.412	66.69	66.5	66.95	82.6	0	13.7
10/11/2021 17:00	2.2	73.53	26.59	6.229	66.46	66.21	66.75	82.7	0	13.7
10/11/2021 18:00	0.8	68.86	19.45	4.397	65.9	65.69	66.23	85.1	0	13.67
10/11/2021 19:00	0.8	346.6	23.01	3.389	65.31	64.92	65.72	87.6	0	13.52
10/11/2021 20:00	0.3	355	14.81	3.801	64.83	64.75	64.95	89.1	0	13.39
10/11/2021 21:00	0.3	41.82	21.73	4.305	64.81	64.47	65.08	89	0	13.28
10/11/2021 22:00	0.0	0	0	0	64.04	63.72	64.53	91	0	13.19
10/11/2021 23:00	0.2	355.3	6.778	2.29	63.61	63.49	63.78	92.4	0	13.1
10/12/2021 0:00	0.7	12.79	19.12	5.542	63.57	63.46	63.68	92.4	0	13.03
10/12/2021 1:00	0.6	39.32	17.29	3.664	63.49	63.38	63.59	91.3	0	12.97
10/12/2021 2:00	0.4	49.81	21.02	2.885	63.45	63.37	63.59	89.7	0	12.95
10/12/2021 3:00	0.5	43.43	15.08	4.443	63.23	62.83	63.52	90.7	0	12.95
10/12/2021 4:00	1.0	18.64	26.32	4.443	62.17	61.74	62.86	94.7	0	12.96
10/12/2021 5:00	1.2	49.73	23.13	5.267	61.34	61.12	61.77	96.7	0	12.95
10/12/2021 6:00	1.3	50.41	27.2	5.175	61.1	60.99	61.29	97.6	0	12.94
10/12/2021 7:00	0.7	33.77	23.89	3.298	60.77	60.64	61.03	97.8	0	12.92
10/12/2021 8:00	1.0	355.5	17.94	3.664	60.87	60.7	61.31	97.5	0	12.91

10/12/2021 9:00	0.7	58.23	27.49	3.298	61.9	61.3	62.74	95.4	0	13.14
10/12/2021 10:00	1.8	67.99	39.36	6.32	64.22	62.73	65.26	89.8	0	13.71
10/12/2021 11:00	1.0	91.8	22.44	6.091	64.95	64.72	65.31	88.9	0	13.69
10/12/2021 12:00	0.1	34.19	7.429	3.298	65.29	64.74	65.9	91.4	0	13.69
10/12/2021 13:00	0.3	103.6	15.59	3.71	66.35	65.03	67.29	89.3	0	13.67
10/12/2021 14:00	0.3	358.7	14.03	4.214	67.12	66.6	67.97	87.2	0	13.67
10/12/2021 15:00	0.2	106.6	7.562	4.809	68.82	67.79	69.89	81.6	0	13.66
10/12/2021 16:00	0.0	0	0	0	69.38	68.84	70.02	80.8	0	13.66
10/12/2021 17:00	0.0	0	0	0	68.59	68.36	68.84	84.5	0	13.66
10/12/2021 18:00	1.7	334.3	17.45	5.817	67.11	65.75	68.52	88.9	0	13.49
10/12/2021 19:00	2.2	348	19.38	5.359	64.7	64.13	65.75	94.8	0.01	13.36
10/12/2021 20:00	0.3	29.31	22.48	2.336	64.14	64.07	64.21	97.1	0	13.26
10/12/2021 21:00	0.5	35.75	43	2.153	63.65	63.04	64.18	97.9	0	13.16
10/12/2021 22:00	1.0	357	23	3.023	63.23	62.97	63.5	98.8	0	13.08
10/12/2021 23:00	0.5	339.4	7.563	2.473	63.74	63.49	64	98.7	0	13
10/13/2021 0:00	0.3	10.45	10.33	1.74	64.08	63.97	64.22	98.3	0	12.96
10/13/2021 1:00	0.0	52.92	0.671	1.008	64.16	64.1	64.25	98.4	0	12.95
10/13/2021 2:00	0.1	108.4	13.66	1.008	64.02	63.89	64.25	98.9	0	12.95
10/13/2021 3:00	0.2	97.7	10.4	1.832	63.88	63.74	64.02	99.2	0	12.95
10/13/2021 4:00	0.4	113.6	5.788	2.519	63.67	63.4	63.81	99.4	0	12.94
10/13/2021 5:00	0.3	79.03	8.28	2.015	63.24	62.98	63.45	99.7	0	12.93
10/13/2021 6:00	0.3	102.1	6.808	1.924	63.47	63.33	63.75	99.9	0	12.91
10/13/2021 7:00	0.1	95.9	3.031	1.695	63.8	63.71	64.01	100	0	12.89
10/13/2021 8:00	0.2	281.9	7.172	2.015	64.18	63.99	64.44	100	0	12.88
10/13/2021 9:00	1.5	281.4	19.17	3.481	64.45	64.3	64.86	99.9	0	13.01
10/13/2021 10:00	2.2	266.4	26.89	5.221	65.15	64.75	65.82	99.1	0	13.71
10/13/2021 11:00	3.4	252.1	27.68	6.778	66.3	65.7	67.55	92	0	13.69
10/13/2021 12:00	2.4	278.1	24.12	6.275	67.8	67.03	68.88	85.3	0	13.66
10/13/2021 13:00	1.5	252.7	27.61	5.908	69.09	67.9	69.58	81.5	0	13.66
10/13/2021 14:00	2.6	262	27.41	6.641	69.65	69.35	70.18	81.2	0	13.66
10/13/2021 15:00	1.9	255.6	29.29	6.366	70.98	69.56	72.35	77.65	0	13.63
10/13/2021 16:00	2.3	250.3	44.42	7.74	72.69	71.7	74.11	74.29	0	13.61
10/13/2021 17:00	1.5	247.6	35.47	5.588	74.38	73.64	75.19	70.86	0	13.57
10/13/2021 18:00	1.3	170.8	32.43	5.542	72.89	71.48	74.32	74.7	0	13.57
10/13/2021 19:00	0.3	135.3	6.761	3.664	69.92	68.04	71.48	83.1	0	13.46
10/13/2021 20:00	0.0	0	0	0	67.57	66.91	68.21	89.3	0	13.33
10/13/2021 21:00	0.3	57.5	1.838	3.114	66.62	65.29	67.53	91.5	0	13.22
10/13/2021 22:00	1.0	49.04	3.979	2.977	64.52	63.74	65.34	96.3	0	13.13
10/13/2021 23:00	0.0	0	0	0	63.05	62.1	64.02	98.3	0	13.05
10/14/2021 0:00	0.0	0	0	0	62.12	61.21	63.14	98.8	0	12.99
10/14/2021 1:00	0.0	0	0	0	62.15	61.19	62.83	99.4	0	12.95
10/14/2021 2:00	0.0	0	0	0	62.55	61.27	63.06	99.3	0	12.95
10/14/2021 3:00	0.0	346.6	0.803	2.015	61.35	60.95	61.88	99.5	0	12.95
10/14/2021 4:00	0.1	357.2	3.163	1.603	60.69	60.12	61.51	99.6	0	12.95
10/14/2021 5:00	2.4	315.5	14.52	6.595	61.81	60.92	62.43	100	0	12.94
10/14/2021 6:00	2.4	320.4	16.31	4.626	62.09	61.74	62.39	100	0	12.92
10/14/2021 7:00	3.2	325.4	13.39	6.733	61.51	61.4	61.77	100	0	12.91
10/14/2021 8:00	3.2	337.8	18.01	7.282	61.12	60.89	61.47	100	0	12.9
10/14/2021 9:00	3.4	331.6	16.34	6.87	61.65	60.89	62.76	100	0	13.07
10/14/2021 10:00	4.4	326.7	14.32	8.79	64.29	62.25	67.09	95.3	0	13.72
10/14/2021 11:00	4.2	342.4	28.02	9.34	68.65	67.12	70.27	76.7	0	13.66
10/14/2021 12:00	3.7	353.5	36.35	41.22	72.44	70.25	76.16	67.45	0	13.44
10/14/2021 13:00	3.1	344.6	41.14	13.88	75.46	72.97	81	74.7	0.07	13.38
10/14/2021 14:00	3.8	349.3	40.1	12.78	76.46	75.77	77.03	60.03	0	13.49
10/14/2021 15:00	4.4	340.1	30.79	10.76	76.98	76.03	78.07	53.79	0	13.52

10/14/2021 16:00	2.4	2.431	42.24	8.66	78.17	77.52	78.75	50.82	0	13.52
10/14/2021 17:00	2.6	341.4	27.68	7.74	78.31	76.59	79.2	48.77	0	13.52
10/14/2021 18:00	1.4	340.3	19.13	4.855	77.13	76.5	77.46	51.48	0	13.52
10/14/2021 19:00	0.6	337.5	10.71	2.84	72.67	70.66	76.5	63.41	0	13.43
10/14/2021 20:00	0.4	342.7	6.646	2.107	69.53	68.45	71.25	70.67	0	13.3
10/14/2021 21:00	0.7	44.83	5.069	3.801	65.82	63.17	69.24	81.5	0	13.2
10/14/2021 22:00	0.2	359.1	16.46	2.748	63.43	62.25	64.62	90.3	0	13.11
10/14/2021 23:00	0.0	0	0	0	62.38	61.35	62.99	94.4	0	13.03
10/15/2021 0:00	0.0	0	0	0	61.64	61.17	62.12	96	0	12.97
10/15/2021 1:00	0.0	0	0	0	60.91	60.17	61.79	96.5	0	12.95
10/15/2021 2:00	0.0	0	0	0	60.61	59.59	62.31	95.6	0	12.95
10/15/2021 3:00	0.0	0	0	0	60.82	60.21	61.83	93.7	0	12.96
10/15/2021 4:00	0.0	0	0	0	60.31	59.91	60.59	95.5	0	12.95
10/15/2021 5:00	0.0	0	0	0	59.39	58.74	60.39	96.5	0	12.94
10/15/2021 6:00	0.0	0	0	0	59	58.43	59.4	97.8	0	12.93
10/15/2021 7:00	0.0	0	0	0	60.11	59.16	61.19	97.3	0	12.91
10/15/2021 8:00	0.0	0	0	0	60.57	59.85	61.49	96.4	0	12.9
10/15/2021 9:00	0.0	0	0	0	63.82	61.44	65.86	92.5	0	13.36
10/15/2021 10:00	0.1	208.5	4.469	4.122	68.99	65.88	73.39	81.6	0	13.69
10/15/2021 11:00	1.1	190.4	43.09	5.13	74.04	73.07	75.21	69.58	0	13.63
10/15/2021 12:00	1.6	211.4	32.56	4.534	76.23	74.58	78.78	66.09	0	13.58
10/15/2021 13:00	2.8	264.9	39.74	6.504	79.18	77.83	79.97	63.03	0	13.52
10/15/2021 14:00	2.7	207	44.68	8.75	80.7	78.11	81.9	60.65	0	13.49
10/15/2021 15:00	3.8	195.6	35.84	9.98	81.8	80.8	83.1	60.77	0	13.49
10/15/2021 16:00	4.5	209.6	32.73	9.43	80.4	78.93	82.7	61.98	0	13.49
10/15/2021 17:00	4.2	191.6	31.1	11.5	79.14	78.43	80.2	63.81	0	13.49
10/15/2021 18:00	3.5	193.9	32.83	9.62	77.83	76.63	79.25	66.43	0	13.54
10/15/2021 19:00	3.3	180.8	27.75	8.29	75.57	74.59	76.63	70.2	0	13.4
10/15/2021 20:00	2.8	175.8	25.99	7.786	73.57	72.89	74.59	75.81	0	13.27
10/15/2021 21:00	3.8	184.6	25.71	10.21	72.53	72.01	72.98	76.05	0	13.16
10/15/2021 22:00	2.8	184.4	24.11	7.969	71.33	70.65	72.07	78.15	0	13.08
10/15/2021 23:00	2.6	176.8	24.34	8.06	70.26	69.82	70.68	81.4	0	13.01
10/16/2021 0:00	2.6	181.1	23.82	7.145	69.78	69.35	70.13	82.5	0	12.97
10/16/2021 1:00	1.9	181.7	22.64	5.359	68.72	68.25	69.4	84.7	0	12.96
10/16/2021 2:00	2.1	169.2	24.57	7.374	67.83	67.49	68.35	86.5	0	12.96
10/16/2021 3:00	2.5	162.8	26.7	7.099	67.28	66.82	67.69	86.7	0	12.96
10/16/2021 4:00	1.4	163.2	21.94	8.98	66.53	65.7	67.2	88	0	12.96
10/16/2021 5:00	0.5	148.4	13.12	2.794	64.88	64.08	65.7	91.8	0	12.94
10/16/2021 6:00	1.5	150.7	19.47	5.221	64.08	63.96	64.44	94.2	0	12.92
10/16/2021 7:00	3.3	174.7	26.46	8.79	65.04	64.41	65.29	92.7	0	12.9
10/16/2021 8:00	3.5	163.2	23.48	7.832	64.97	64.59	65.64	92.1	0	12.9
10/16/2021 9:00	5.0	186.6	30.1	11.54	67.29	65.64	68.7	85.6	0	13.71
10/16/2021 10:00	5.4	193.9	29.15	13.74	69.1	68.4	70.09	80.7	0	13.69
10/16/2021 11:00	5.9	182.9	29.1	13.6	70.8	69.76	72.23	77	0	13.66
10/16/2021 12:00	7.6	196.7	29.26	17.72	74.85	72.22	76.28	69.64	0	13.58
10/16/2021 13:00	8.0	212.8	30.9	18.23	76.13	75.31	77.21	67.43	0	13.58
10/16/2021 14:00	7.8	294.2	40.28	18.41	72.02	65.68	75.62	72.71	0.03	13.54
10/16/2021 15:00	8.3	313.4	14.24	17.54	64.92	63.51	65.66	87.7	0.11	13.57
10/16/2021 16:00	5.8	311.5	20.13	15.66	62.84	62.44	63.51	95.4	0.19	13.64
10/16/2021 17:00	5.8	315.3	17.92	13.83	62.26	61.83	62.74	92.9	0.08	13.76
10/16/2021 18:00	7.5	322.8	14.55	16.21	61.86	61.18	62.24	89.7	0	13.68
10/16/2021 19:00	10.1	319.9	14.43	22.17	60.75	60.14	61.2	78	0	13.52
10/16/2021 20:00	7.8	323.4	13.83	16.35	59.29	58.39	60.25	75.55	0	13.4
10/16/2021 21:00	6.3	326.3	13.05	12.32	58.15	57.05	58.72	75.38	0	13.3
10/16/2021 22:00	5.0	332.8	13.72	10.03	56.43	55.33	57.04	74.36	0	13.22

10/16/2021 23:00	2.8	330.5	11.45	6.046	54.17	52.85	55.55	77.46	0	13.14
10/17/2021 0:00	0.8	347.5	15.31	2.656	51.85	50.65	53.06	84.1	0	13.06
10/17/2021 1:00	1.0	345.3	18.12	3.847	50.83	49.73	51.81	87	0	13
10/17/2021 2:00	0.2	313.3	43.67	2.244	48.93	48.08	49.73	94.5	0	12.95
10/17/2021 3:00	2.4	322.9	35.56	8.61	49.91	48.79	51.16	86.9	0	12.94
10/17/2021 4:00	4.1	316.6	11.84	8.84	50.17	49.54	51.16	81.1	0	12.94
10/17/2021 5:00	4.7	306.3	10.5	8.47	49.5	49.22	49.91	80.7	0	12.94
10/17/2021 6:00	3.3	291.1	20.02	6.458	49.02	48.28	49.5	79.73	0	12.94
10/17/2021 7:00	4.0	299.5	13.86	9.89	48.28	47.19	49	79.05	0	12.93
10/17/2021 8:00	4.1	297.8	14.56	10.76	47.9	47.16	49.22	77.98	0	12.92
10/17/2021 9:00	6.8	298.1	13.53	12.96	50.73	49.15	52.36	72.16	0	13.92
10/17/2021 10:00	7.7	306.5	14.79	15.98	53.52	51.64	55.42	66.03	0	13.86
10/17/2021 11:00	9.4	303.3	17.77	17.59	56.37	55.25	58.25	60.07	0	13.83
10/17/2021 12:00	10.4	315.9	16.92	20.29	59.07	57.78	60.92	53.65	0	13.77
10/17/2021 13:00	9.9	318.1	18.41	20.7	61.09	60	62.38	47.75	0	13.75
10/17/2021 14:00	11.5	317.6	14.46	23.77	60.12	58.89	61.82	44.39	0	13.74
10/17/2021 15:00	10.4	317.4	18.3	22.08	61.56	59.61	63.37	41.66	0	13.73
10/17/2021 16:00	8.5	314.1	16.87	15.57	61	60.22	63.21	42.8	0	13.74
10/17/2021 17:00	8.0	313.6	15.5	18.18	59.89	59.12	60.49	42.48	0	13.74
10/17/2021 18:00	5.9	308.8	13.63	12.23	58.48	57.7	59.16	45.89	0	13.77
10/17/2021 19:00	3.9	310	14.71	9.3	56.38	54.84	57.9	51.75	0	13.65
10/17/2021 20:00	6.6	308.1	12.65	12.14	55.31	54.79	55.71	48.1	0	13.51
10/17/2021 21:00	3.8	312.2	12.67	11.59	53.47	52.39	55.35	52.55	0	13.41
10/17/2021 22:00	2.7	288.7	24.28	5.542	51.74	51.1	52.72	58.3	0	13.32
10/17/2021 23:00	2.5	271.1	23.4	5.725	51.31	50.35	52.16	60.97	0	13.24
10/18/2021 0:00	2.2	294.3	23.17	8.06	48.99	47.57	50.33	69.53	0	13.16
10/18/2021 1:00	2.3	300.6	16.27	7.191	49.58	48.29	50.72	69.46	0	13.08
10/18/2021 2:00	3.5	282.4	13.22	7.328	48.35	47.84	48.93	73.91	0	13.01
10/18/2021 3:00	2.2	283.4	11.92	4.397	47.52	47.03	48.39	76.17	0	12.96
10/18/2021 4:00	1.9	259.2	23.36	3.893	47.18	46.58	47.97	78.13	0	12.94
10/18/2021 5:00	2.0	243.9	14.95	4.443	47.32	46.66	48.08	78.67	0	12.93
10/18/2021 6:00	2.4	246.3	22.86	5.908	46.21	45.88	46.66	81.2	0	12.93
10/18/2021 7:00	3.2	272.1	16.21	7.328	46.07	44.91	46.87	80.1	0	12.92
10/18/2021 8:00	2.3	236.3	29.66	5.359	46.83	46.45	47.54	76.71	0	12.91
10/18/2021 9:00	4.1	262	25.63	10.85	50.61	47.54	53.35	68.9	0	13.95
10/18/2021 10:00	7.5	287.2	18.44	16.08	54.97	53.31	56.52	59.24	0	13.86
10/18/2021 11:00	8.6	305.3	18.37	15.89	58.36	56.53	59.61	52.59	0	13.8
10/18/2021 12:00	10.0	312.6	18.94	20.24	59.94	58.91	61.73	47.81	0	13.77
10/18/2021 13:00	10.8	315.7	19.31	22.49	61.83	60.61	63.85	43.64	0	13.74
10/18/2021 14:00	9.0	315.2	18.88	18.59	62.46	61.04	63.81	43.59	0	13.73
10/18/2021 15:00	7.0	321.2	20.5	15.94	63.43	61.91	66.46	42.95	0	13.73
10/18/2021 16:00	9.7	322.3	20.03	20.61	65.76	65.23	66.26	36.46	0	13.7
10/18/2021 17:00	10.5	324.7	18.59	19.6	64.95	64.35	65.72	34.39	0	13.7
10/18/2021 18:00	7.4	329.8	17.54	17.91	63.76	62.62	64.46	38.59	0	13.7
10/18/2021 19:00	2.5	357.8	22	10.26	60.42	58.31	62.65	46.63	0	13.59
10/18/2021 20:00	2.2	356.2	31.9	4.443	55.92	52.65	58.5	57.93	0	13.47
10/18/2021 21:00	1.7	12.36	48.67	4.259	52.08	50.54	55.45	70.83	0	13.37
10/18/2021 22:00	3.1	333.3	9.58	4.488	52.11	50.73	53.7	66.73	0	13.28
10/18/2021 23:00	2.6	7.799	32.71	4.809	50.48	47.8	52.75	72.58	0	13.2
10/19/2021 0:00	1.1	21.37	43.42	3.435	47.15	45.83	50	82.2	0	13.12
10/19/2021 1:00	0.1	0.82	7.081	2.382	46.53	44.82	48.91	83.7	0	13.05
10/19/2021 2:00	2.2	357.3	22.28	4.946	47.16	43.44	49.25	77.65	0	12.98
10/19/2021 3:00	1.5	339.3	8.75	5.313	44.73	42.25	47.01	84.3	0	12.94
10/19/2021 4:00	0.1	14.17	3.42	2.611	43.61	41.45	45.41	85.4	0	12.92
10/19/2021 5:00	0.3	46.51	8.85	2.885	43.37	41.45	44.55	86	0	12.92

10/19/2021 6:00	1.8	36.29	10.65	3.435	42.29	39.9	44.44	89.1	0	12.91
10/19/2021 7:00	0.6	37.58	12.98	3.069	40.76	39.48	42.4	92.5	0	12.89
10/19/2021 8:00	1.2	36.3	12.42	3.343	40.67	39.11	42.54	92.6	0	12.89
10/19/2021 9:00	0.0	0	0	0	50.22	41.61	55.95	78.5	0	13.99
10/19/2021 10:00	3.1	273.9	20.36	9.98	56.51	55.55	57.87	61.19	0	13.89
10/19/2021 11:00	5.2	279.5	22	10.81	59.33	57.23	61.13	53.15	0	13.8
10/19/2021 12:00	5.9	276.8	25.29	11.45	62.93	60.31	64.81	48.33	0	13.74
10/19/2021 13:00	6.1	279.5	25.66	15.71	66.45	64.42	68.16	43.74	0	13.68
10/19/2021 14:00	8.1	304.6	23.86	17.72	68.8	67.44	70.48	40.13	0	13.65
10/19/2021 15:00	8.3	296.8	21.28	15.16	70.04	69.08	70.86	38.44	0	13.64
10/19/2021 16:00	7.3	294.4	21.27	15.71	71.28	70.71	71.81	35.47	0	13.64
10/19/2021 17:00	6.9	285.6	26.64	14.01	71.58	71.01	71.98	35.04	0	13.64
10/19/2021 18:00	4.9	284.6	24	11.45	70.52	68.7	71.59	35.32	0	13.64
10/19/2021 19:00	2.2	300.5	12.71	7.145	65.25	63.5	68.73	41.84	0	13.52
10/19/2021 20:00	2.1	298.1	11.42	3.71	61.28	58.48	63.86	49.07	0	13.4
10/19/2021 21:00	1.6	293.3	7.813	3.527	59.29	58.14	59.85	53.11	0	13.3
10/19/2021 22:00	1.0	307.2	5.062	3.023	58.84	57.88	59.55	53.15	0	13.21
10/19/2021 23:00	1.4	304.5	8.89	4.626	57.43	56.49	58.79	57.95	0	13.13
10/20/2021 0:00	2.0	294.2	19.43	3.435	55.7	54.92	57.46	62.87	0	13.05
10/20/2021 1:00	1.0	284.9	16.66	3.756	55.25	54.47	55.91	64.44	0	12.99
10/20/2021 2:00	2.9	283.8	13.44	5.267	56.04	54.47	56.82	62.91	0	12.94
10/20/2021 3:00	2.5	287.1	17.87	4.809	55.67	54.51	56.84	64.11	0	12.93
10/20/2021 4:00	2.4	297	13.04	4.855	54.56	54.11	55.37	67.86	0	12.93
10/20/2021 5:00	2.9	300.4	17.11	6.458	55.62	55.06	56.37	66.81	0	12.92
10/20/2021 6:00	2.8	311.9	14.77	8.24	55.17	53.73	56.4	68.29	0	12.91
10/20/2021 7:00	2.5	312.5	11.26	8.75	55.28	54.9	55.75	69.18	0	12.89
10/20/2021 8:00	1.3	329.1	13.88	3.939	54.77	53.72	56.4	70.03	0	12.89
10/20/2021 9:00	1.2	302.6	24	6.366	59.59	56.42	63.13	64.68	0	13.85
10/20/2021 10:00	5.1	295.7	17.37	10.17	63.43	61.88	64.81	56.34	0	13.76
10/20/2021 11:00	6.9	306.1	20.7	15.98	66.24	64.71	68.18	51.51	0	13.7
10/20/2021 12:00	7.9	309.3	19.22	14.61	69.23	67.83	70.56	46.2	0	13.65
10/20/2021 13:00	7.0	315.9	22.83	13.51	71.45	70.06	72.65	43.04	0	13.62
10/20/2021 14:00	6.8	305.1	22.25	13.47	72.72	72.13	73.37	41.88	0	13.61
10/20/2021 15:00	6.5	286.8	27.34	14.52	74.01	73.08	74.59	40	0	13.58
10/20/2021 16:00	6.5	286.5	26.68	12.96	74.22	73.72	74.77	39.26	0	13.58
10/20/2021 17:00	5.5	274.5	24.83	12.32	74.03	73.25	74.65	39.86	0	13.58
10/20/2021 18:00	4.6	256.5	23.06	11.4	72.28	71.03	73.25	42.98	0	13.58
10/20/2021 19:00	1.1	254.5	8.34	5.038	68.17	64.81	71.01	50.19	0	13.48
10/20/2021 20:00	1.1	292.9	17.51	2.794	64.56	61.85	65.93	57.98	0	13.35
10/20/2021 21:00	0.2	55.03	8.93	2.198	60.57	58.19	62.78	68.94	0	13.26
10/20/2021 22:00	0.3	40.14	5.934	2.244	57.48	55.9	60.17	77.19	0	13.17
10/20/2021 23:00	0.4	46.48	38.34	2.748	57.55	55.39	59.14	75.32	0	13.09
10/21/2021 0:00	0.6	46.89	10.51	2.702	55.5	52.68	59.89	81.4	0	13.02
10/21/2021 1:00	0.5	66.02	34.47	2.84	53.58	52.06	55.1	86.2	0	12.96
10/21/2021 2:00	1.6	41.36	23.46	3.893	51.42	50.14	53.06	93.1	0	12.94
10/21/2021 3:00	1.6	38.15	41.57	4.259	49.96	48.42	52.55	95	0	12.93
10/21/2021 4:00	0.8	39.3	21.36	3.847	48.27	47.32	49.81	97	0	12.94
10/21/2021 5:00	0.2	106.5	9.09	2.107	47.84	47.54	48.3	98.4	0	12.93
10/21/2021 6:00	0.8	28.88	13.15	3.069	46.52	45.42	48.19	98.4	0	12.91
10/21/2021 7:00	1.0	21.35	41.76	3.389	45.62	44.88	46.5	98.9	0	12.89
10/21/2021 8:00	0.3	0.221	22	2.702	46.69	45.4	48.59	99.1	0	12.88
10/21/2021 9:00	0.0	24.32	1.193	1.695	53.98	48.61	57.73	89.3	0	13.92
10/21/2021 10:00	0.3	332.7	14.45	2.748	60.61	56.03	64.01	76.38	0	13.82
10/21/2021 11:00	1.1	171.8	43.08	3.893	67.56	64.05	70.82	59.61	0	13.71
10/21/2021 12:00	2.7	186.2	45.61	7.694	71.7	70.63	72.66	49.39	0	13.64

10/21/2021 13:00	2.4	195.2	58.53	7.007	74.37	72.35	76.32	44.51	0	13.59
10/21/2021 14:00	2.4	229.5	80.8	7.786	75.92	74.45	77.4	37.23	0	13.55
10/21/2021 15:00	3.5	159.6	69.12	9.3	76.13	75.31	77.23	37.14	0	13.55
10/21/2021 16:00	4.3	175.7	31.99	11.45	75.69	74.73	76.76	38.19	0	13.55
10/21/2021 17:00	5.2	189.2	30.31	13.42	74.47	73.43	75.49	38.83	0	13.55
10/21/2021 18:00	4.2	183.5	29.62	10.03	72.22	70.71	73.43	42.92	0	13.55
10/21/2021 19:00	2.4	153.2	23.46	9.11	68.57	67.05	70.75	53.65	0	13.45
10/21/2021 20:00	2.3	156.2	21.2	6.137	66.37	65.78	67.22	58.5	0	13.33
10/21/2021 21:00	4.3	189.2	28	10.99	67.42	66.08	68	59.86	0	13.22
10/21/2021 22:00	4.0	201.9	26.65	10.17	67.35	67.09	67.63	63.69	0	13.13
10/21/2021 23:00	4.7	213	24.76	16.72	67.81	66.8	69.07	65.1	0	13.05
10/22/2021 0:00	6.6	223	25.33	14.24	69.18	68.85	69.4	63.33	0	12.98
10/22/2021 1:00	6.2	233.3	25.37	13.19	68.23	67.56	69.01	65.69	0	12.95
10/22/2021 2:00	6.2	250.1	29.67	15.3	66.99	66.09	67.62	68.23	0	12.95
10/22/2021 3:00	4.5	284.8	21.48	10.99	65.25	64.66	66.5	75.56	0	12.96
10/22/2021 4:00	2.6	291.4	18.27	6.412	63.49	62.55	64.78	82.4	0	12.95
10/22/2021 5:00	2.5	290.9	18.38	7.236	62.15	61.26	62.78	85.8	0	12.93
10/22/2021 6:00	7.0	313.2	13.21	14.43	62.81	62.19	63.29	80.8	0	12.91
10/22/2021 7:00	6.7	315.4	15.05	15.71	60.47	58.93	62.19	72.51	0	12.9
10/22/2021 8:00	7.5	318.1	14.04	13.28	58.2	57.59	59.17	66.86	0	12.89
10/22/2021 9:00	6.3	317.1	14.31	15.8	58.03	57.07	59.04	65.33	0	13.84
10/22/2021 10:00	9.9	317.1	15.06	18.55	59.83	59.02	60.74	60.88	0	13.78
10/22/2021 11:00	8.4	305.1	19.46	16.35	61.98	60.72	62.93	56.97	0	13.73
10/22/2021 12:00	7.4	317.8	20.26	14.11	63.55	62.65	64.26	53.7	0	13.7
10/22/2021 13:00	4.9	326.4	40.34	12.73	64.3	63.04	67.08	53.75	0	13.68
10/22/2021 14:00	4.3	309.9	27.9	13.56	66.06	64.08	67.91	51.44	0	13.64
10/22/2021 15:00	3.8	311.8	40.88	9.25	66.98	64.87	69.02	49.63	0	13.64
10/22/2021 16:00	3.2	337	31.6	8.84	66.74	66.07	68.08	50.09	0	13.64
10/22/2021 17:00	3.5	345.3	29.67	8.52	65.69	65.19	66.98	52.63	0	13.64
10/22/2021 18:00	3.5	333	18.79	7.603	64.58	63.61	65.76	55.41	0	13.64
10/22/2021 19:00	3.3	337.2	13.9	6.824	62.31	61.36	63.69	60.15	0	13.53
10/22/2021 20:00	2.5	342.3	12.8	4.168	60.49	59.44	61.38	65	0	13.41
10/22/2021 21:00	1.5	355.2	19.74	3.71	58.29	56.95	59.48	71.24	0	13.31
10/22/2021 22:00	1.9	4.685	20.75	3.801	56.96	56.46	57.46	76.05	0	13.22
10/22/2021 23:00	2.1	357.9	14.62	3.71	56.78	55.45	57.43	77.66	0	13.13
10/23/2021 0:00	2.7	341.9	13.95	5.954	56.89	56.4	57.29	73.72	0	13.05
10/23/2021 1:00	1.6	328.3	9.68	3.481	55.85	55.31	57.18	75.38	0	12.99
10/23/2021 2:00	1.8	336.9	19.43	3.847	56.3	55.75	56.58	74.14	0	12.95
10/23/2021 3:00	1.8	347.2	16.84	5.359	55.99	55.56	56.42	75.21	0	12.94
10/23/2021 4:00	1.3	351.2	14.95	4.076	55.99	55.9	56.1	76.14	0	12.95
10/23/2021 5:00	0.3	360	8.37	2.748	55.65	55.48	56.01	77.77	0	12.95
10/23/2021 6:00	1.1	343.5	12.59	3.298	55.35	54.86	55.75	79.4	0	12.94
10/23/2021 7:00	0.7	29.01	31.61	2.611	55.01	54.57	55.71	82.3	0	12.93
10/23/2021 8:00	0.1	15.98	7.475	1.74	54.14	54.01	54.6	88.7	0	12.91
10/23/2021 9:00	0.2	335.5	5.288	2.244	54.55	53.96	55.49	89.1	0	12.93
10/23/2021 10:00	0.8	65.92	26.52	3.527	56.73	55.5	57.65	82.2	0	13.39
10/23/2021 11:00	1.2	166.6	49.09	4.534	59.27	57.66	60.64	73.89	0	13.79
10/23/2021 12:00	2.6	246.3	56.9	7.511	61.22	60.36	61.78	65.69	0	13.76
10/23/2021 13:00	4.0	250	37.33	10.4	63.03	61.46	65.17	61.42	0	13.71
10/23/2021 14:00	5.0	232.3	32.72	11.4	62.52	61.72	63.96	62.48	0	13.7
10/23/2021 15:00	4.5	249.7	31.39	11.18	63.25	62.22	65.22	61.27	0	13.7
10/23/2021 16:00	5.9	260.7	28	14.7	63.68	62.46	65.72	58.76	0	13.7
10/23/2021 17:00	7.8	284.1	21.91	17.77	65.07	64.32	65.82	47.1	0	13.7
10/23/2021 18:00	7.1	318.8	22.2	14.29	63.09	60.94	64.87	53.53	0	13.7
10/23/2021 19:00	4.3	319.6	13.83	11.45	59.03	57.33	60.93	59.61	0	13.54

10/23/2021 20:00	2.1	321.8	13.19	5.771	56.28	55.25	57.33	65.97	0	13.42
10/23/2021 21:00	1.3	15.82	29.95	3.16	55.48	54.6	56.83	69.34	0	13.33
10/23/2021 22:00	1.4	352.4	10.14	4.397	53.81	52.38	54.61	72.62	0	13.24
10/23/2021 23:00	2.5	342.9	13.19	5.084	52.59	51.35	53.75	75.43	0	13.16
10/24/2021 0:00	1.9	26.69	18.63	3.343	50.61	48.64	52.75	82.6	0	13.08
10/24/2021 1:00	1.5	50.81	27.34	2.84	48.01	47.43	48.69	92.9	0	13.01
10/24/2021 2:00	0.5	7.806	7.489	2.061	48.72	48.25	49.2	93.1	0	12.95
10/24/2021 3:00	0.4	8.95	18.07	2.153	49.34	49.16	49.5	93.5	0	12.94
10/24/2021 4:00	0.8	34.4	17.8	4.214	49.72	49.36	49.91	90.2	0	12.94
10/24/2021 5:00	0.1	175.5	5.544	3.069	50.2	49.72	50.76	86.4	0	12.94
10/24/2021 6:00	0.9	245.4	13.72	3.481	50.96	50.36	51.81	85.5	0	12.93
10/24/2021 7:00	0.8	68.93	28.68	2.702	51.31	50.43	51.85	87.6	0	12.92
10/24/2021 8:00	0.4	38.59	12.18	2.473	50.42	50.18	50.75	94.7	0	12.9
10/24/2021 9:00	1.6	157.5	23.3	4.855	51.55	50.73	52.25	88.9	0	12.91
10/24/2021 10:00	1.4	156.9	21.41	4.901	53.21	52.25	54.12	82.6	0	13.06
10/24/2021 11:00	2.1	157.5	26.08	6.046	55.06	54.11	56.71	76.41	0	13.88
10/24/2021 12:00	3.5	167.5	31.44	9.57	58.34	56.71	60.04	69.38	0	13.79
10/24/2021 13:00	4.3	166.7	37.54	10.58	62.22	59.83	63.78	61.38	0	13.71
10/24/2021 14:00	4.7	178.4	35.52	10.81	63.39	62.5	64.85	59.37	0	13.7
10/24/2021 15:00	4.2	175.1	37.05	11.18	66.24	64.79	67.39	56.62	0	13.67
10/24/2021 16:00	4.6	168.9	35.67	12.64	67.3	66.54	68.11	55.55	0	13.64
10/24/2021 17:00	4.2	170.1	32.85	10.12	67.95	67.36	68.55	57.59	0	13.64
10/24/2021 18:00	4.0	155.6	27.1	12.09	66.27	64.94	67.36	62.82	0	13.64
10/24/2021 19:00	2.5	132.7	28.75	7.145	63.69	61.79	65.01	69.67	0	13.51
10/24/2021 20:00	3.0	118.3	19.74	5.908	60.68	59.86	61.79	76.14	0	13.39
10/24/2021 21:00	2.2	139.2	15.77	4.672	59.54	59.28	59.87	82.9	0	13.29
10/24/2021 22:00	2.3	153	23.32	5.862	59.38	58.96	59.97	88.5	0	13.19
10/24/2021 23:00	2.8	146.5	24.99	6.962	59.7	59.37	60.13	89.4	0	13.11
10/25/2021 0:00	3.1	158	26.5	8.02	59.98	59.65	60.36	88.7	0	13.03
10/25/2021 1:00	3.2	188	26.48	8.61	60.93	60.27	61.27	79.72	0	12.97
10/25/2021 2:00	2.4	179	25.16	6.229	60.42	59.91	60.96	77.61	0	12.95
10/25/2021 3:00	3.2	186.2	29.66	9.39	60.05	59.8	60.56	78.51	0	12.95
10/25/2021 4:00	4.9	197.7	25.7	10.63	60.31	60.04	60.58	78.94	0	12.95
10/25/2021 5:00	4.3	193.5	27.21	10.53	60.25	60	60.4	83.6	0	12.94
10/25/2021 6:00	4.8	191.6	27.53	14.15	60.36	60.26	60.51	88.2	0	12.93
10/25/2021 7:00	3.0	197.8	26.28	9.3	59.95	59.73	60.32	91.2	0	12.91
10/25/2021 8:00	3.6	201	29.07	9.02	60.1	59.83	60.38	92	0	12.89
10/25/2021 9:00	2.8	200.8	26.18	6	60.15	59.77	61.52	93.9	0	12.95
10/25/2021 10:00	4.9	205.9	24.06	12.09	64.52	61.53	67.24	84.3	0	13.72
10/25/2021 11:00	5.1	200.5	29.7	11.86	68.9	66.69	70.86	72.3	0	13.67
10/25/2021 12:00	6.9	211.2	29.24	15.11	72.08	70.52	73.84	62.7	0	13.62
10/25/2021 13:00	7.7	201.7	26.44	18.18	74.66	73.67	75.9	57.79	0	13.58
10/25/2021 14:00	6.9	209.5	31.17	16.3	76.11	74.73	77.72	54.68	0	13.56
10/25/2021 15:00	5.2	190.7	35.6	12.92	76.38	75.12	77.82	54.39	0	13.55
10/25/2021 16:00	4.4	184.8	33.74	12.37	77.28	75.8	78.46	54.48	0	13.55
10/25/2021 17:00	4.0	182.8	29.51	9.34	75.78	74.84	77.35	58.44	0	13.55
10/25/2021 18:00	3.9	164.6	34.2	10.44	72.86	69.94	74.88	71.03	0.01	13.44
10/25/2021 19:00	3.1	243.7	62.14	16.81	64.46	63.24	69.94	92.4	0.23	13.31
10/25/2021 20:00	2.3	261.9	82.9	7.923	63.02	62.75	63.3	98.2	0.39	13.21
10/25/2021 21:00	2.8	307.6	61.69	8.38	62.05	60.96	62.8	98.1	0.33	13.12
10/25/2021 22:00	2.8	1.947	41.29	7.282	60.05	59.11	60.96	96.3	0.3	13.04
10/25/2021 23:00	3.2	104.6	54.11	11.86	58.85	58.41	59.7	96	0.29	12.98
10/26/2021 0:00	2.7	7.383	69.68	7.42	58.39	57.99	58.55	98	0.07	12.95
10/26/2021 1:00	1.0	101.9	42.4	4.397	57.86	57.7	58.03	98.8	0	12.95
10/26/2021 2:00	2.7	344.1	72.37	7.191	57.93	57.78	58.09	99.4	0	12.96

10/26/2021 3:00	1.6	340.1	9.83	4.534	57.94	57.81	58.14	99.2	0	12.95
10/26/2021 4:00	1.6	332.7	10.61	4.214	57.57	57.39	57.84	99	0	12.94
10/26/2021 5:00	2.3	331.4	10.74	5.862	57.15	56.79	57.42	99.1	0	12.92
10/26/2021 6:00	2.4	316.2	15.96	7.053	56.86	56.1	57.63	99.2	0	12.89
10/26/2021 7:00	4.8	312.2	14.04	8.75	57.31	56.95	57.73	98.6	0	12.87
10/26/2021 8:00	3.9	323.3	18.19	7.74	57.09	56.94	57.48	97.3	0	12.86
10/26/2021 9:00	5.7	307.7	12.39	12.37	57.82	57.24	58.72	94.5	0	13.25
10/26/2021 10:00	8.8	307	14.21	21.3	58.99	58.18	60.54	88.2	0	13.79
10/26/2021 11:00	11.6	309.9	15.8	21.34	60.58	59.77	61.72	77.82	0	13.76
10/26/2021 12:00	11.3	313.2	15.44	23.22	61.47	60.58	62.54	71.71	0	13.76
10/26/2021 13:00	12.6	308.7	17.91	25.56	61.61	60.57	62.97	64.21	0	13.76
10/26/2021 14:00	16.7	309.7	16.72	30.32	60.7	58.33	62.41	58.96	0	13.73
10/26/2021 15:00	14.9	310.1	17.4	31.74	58.5	57.54	59.9	59.48	0	13.73
10/26/2021 16:00	15.3	314.6	15.52	28.67	56.92	55.96	57.89	58.55	0	13.74
10/26/2021 17:00	13.1	318.2	14.47	32.11	55.04	54.14	55.96	60.11	0	13.77
10/26/2021 18:00	11.7	316.5	14.6	25.33	53.42	52.55	54.15	63.32	0	13.8
10/26/2021 19:00	13.6	315.7	16.02	29.95	52.39	51.8	52.75	61.77	0	13.65
10/26/2021 20:00	13.3	317.4	15.37	28.12	50.74	49.23	51.8	67.79	0	13.52
10/26/2021 21:00	13.3	318.7	14.52	26.11	50.1	49.32	50.57	68.82	0	13.42
10/26/2021 22:00	12.9	319	15.76	26.01	50.59	50.37	50.74	65.61	0	13.32
10/26/2021 23:00	13.1	320.4	14.08	23.95	50.23	49.79	50.46	66.72	0	13.24
10/27/2021 0:00	12.6	317.2	14.77	24.5	49.61	49.52	49.8	69.88	0	13.16
10/27/2021 1:00	13.1	319.6	13.49	25.88	49.33	49.01	49.69	72.96	0	13.08
10/27/2021 2:00	11.1	321.2	14.36	22.26	48.81	48.72	49.01	78.22	0	13.01
10/27/2021 3:00	9.2	324.9	15.48	17.91	49.37	48.81	50.01	79.04	0	12.95
10/27/2021 4:00	8.8	326	15.11	17.5	50.14	49.72	50.38	79.67	0	12.94
10/27/2021 5:00	7.9	329.2	15.72	16.9	49.6	49.45	49.81	85.4	0	12.95
10/27/2021 6:00	7.3	325.2	14.98	14.06	50.11	49.81	50.38	84.3	0	12.96
10/27/2021 7:00	7.5	321	13.17	16.95	50.4	49.94	51.19	83.1	0	12.95
10/27/2021 8:00	7.3	324.1	13.61	12.96	51.39	51.13	51.83	81	0	12.95
10/27/2021 9:00	8.0	321.8	13.47	17.27	52.91	51.83	54.16	78.02	0	13.12
10/27/2021 10:00	10.3	318.3	14.29	20.38	54.85	53.27	56.78	73.25	0	13.85
10/27/2021 11:00	10.3	322.4	15.6	21.53	57.85	56.61	60.03	67.79	0	13.8
10/27/2021 12:00	8.7	332.2	18.54	16.99	61.18	59.99	63.17	64.35	0	13.74
10/27/2021 13:00	9.2	322.8	17.35	17.36	64.59	63.08	66.3	60.52	0	13.7
10/27/2021 14:00	8.7	331	20.16	17.22	67.21	66.23	68.25	56.7	0	13.67
10/27/2021 15:00	9.2	333.8	24.28	18.69	68.15	67.37	68.65	55.22	0	13.64
10/27/2021 16:00	7.9	337.5	22.81	16.44	68.86	67.91	69.71	54.63	0	13.64
10/27/2021 17:00	7.3	335.5	21.76	16.81	68.64	68.24	69.16	55.4	0	13.64
10/27/2021 18:00	5.4	341.5	22.25	12.73	67.25	65.6	68.56	57.61	0	13.64
10/27/2021 19:00	3.2	342.5	15.12	10.4	64.06	62.96	65.62	63.15	0	13.5
10/27/2021 20:00	2.8	345.6	17.29	6.412	61.78	60.87	62.97	67.95	0	13.38
10/27/2021 21:00	1.8	338.2	15.19	4.488	59.96	58.08	61.07	71.22	0	13.28
10/27/2021 22:00	2.4	335.7	10.85	5.038	57.5	56.59	58.67	77.35	0	13.19
10/27/2021 23:00	1.9	349.8	17.7	4.763	56.12	55.39	57.17	81.1	0	13.11
10/28/2021 0:00	2.4	338.6	12.85	5.404	54.35	53.13	55.42	85.7	0	13.04
10/28/2021 1:00	2.9	338.2	15.44	5.496	53.12	52.3	54.02	88.3	0	12.97
10/28/2021 2:00	2.8	344.2	14.99	4.672	52.29	51.7	52.78	89.6	0	12.94
10/28/2021 3:00	1.8	1.271	30.7	4.259	51.45	50.34	52	89.9	0	12.94
10/28/2021 4:00	0.9	27.66	18.21	1.924	49.26	48.18	50.35	95.4	0	12.95
10/28/2021 5:00	0.9	27.01	9.18	2.198	48	47.04	48.45	97.3	0	12.94
10/28/2021 6:00	1.2	4.324	17.97	2.198	46.39	45.33	47.04	97.3	0	12.92
10/28/2021 7:00	1.2	24.06	27.5	3.069	45.26	44.25	46.39	97	0	12.91
10/28/2021 8:00	1.0	340	26.08	2.611	44.01	43.08	45.36	97.9	0	12.9
10/28/2021 9:00	0.3	53.65	11.99	3.664	50.18	45.36	53.97	88.8	0	13.95

10/28/2021 10:00	1.0	69.32	48.25	4.168	55.8	52.43	58.24	75.17	0	13.85
10/28/2021 11:00	2.6	141.2	38.17	6.916	59.02	57.59	60.13	71.63	0	13.79
10/28/2021 12:00	2.9	156.9	51.66	7.649	61.78	59.96	63.28	67.67	0	13.74
10/28/2021 13:00	3.1	159.8	52.07	7.878	63.31	61.81	64.51	65.38	0	13.7
10/28/2021 14:00	4.3	177.2	40.92	11.08	64.36	63.56	65.42	63.42	0	13.67
10/28/2021 15:00	3.9	161.1	37.31	9.89	63.31	62.43	65.26	65.89	0	13.67
10/28/2021 16:00	4.1	142.9	28.65	10.03	64.2	62.95	65.84	65.06	0	13.67
10/28/2021 17:00	3.9	140.1	30.32	9.89	63.58	62.79	64.78	66.09	0	13.67
10/28/2021 18:00	4.1	138.7	21.37	10.44	62.37	61.32	63.31	66.45	0	13.7
10/28/2021 19:00	4.1	127.6	20.06	9.89	60.07	59.3	61.32	72.06	0	13.53
10/28/2021 20:00	3.4	133.7	20.38	7.923	59.17	58.88	59.4	74.42	0	13.41
10/28/2021 21:00	2.7	133.8	20.63	6.824	58.82	58.54	59.02	75.53	0	13.31
10/28/2021 22:00	3.3	125.6	18.55	8.56	58.44	58.31	58.54	78.28	0	13.22
10/28/2021 23:00	4.8	134.1	25.28	13.47	58.13	57.94	58.53	81.6	0	13.13
10/29/2021 0:00	4.9	133.1	25.5	12.37	57.81	57.43	58.05	82.5	0	13.05
10/29/2021 1:00	5.7	133.3	27.52	14.93	57.1	56.57	57.45	83.9	0	12.98
10/29/2021 2:00	5.5	116.1	23.36	12.27	55.32	54.83	56.59	91.4	0.02	12.95
10/29/2021 3:00	5.0	119.1	22.44	12.96	54.77	54.67	54.9	93	0	12.95
10/29/2021 4:00	5.9	118	22.85	14.7	54.42	54.23	54.84	95.1	0.04	12.96
10/29/2021 5:00	6.4	109.1	23.73	15.02	54.47	54.28	54.63	96.9	0.04	12.95
10/29/2021 6:00	7.0	108.4	22.16	19.05	54.64	54.53	54.74	97.1	0.04	12.93
10/29/2021 7:00	8.5	107.6	23.32	23.22	54.5	54.44	54.59	97.5	0.03	12.92
10/29/2021 8:00	8.7	106.2	22.28	20.66	54.59	54.5	54.72	97.3	0.01	12.9
10/29/2021 9:00	10.0	103.8	23.67	22.26	54.74	54.64	54.84	97.2	0.04	12.9
10/29/2021 10:00	10.3	104.8	22.72	22.58	54.76	54.69	54.91	97	0.08	13.1
10/29/2021 11:00	9.7	106.6	25.49	21.43	54.96	54.69	55.3	96.9	0.14	13.54
10/29/2021 12:00	9.4	111.7	25.17	22.44	55.59	55.25	55.94	96.8	0.07	13.88
10/29/2021 13:00	8.5	108.4	24.85	21.8	56.05	55.9	56.31	97.2	0.22	13.89
10/29/2021 14:00	7.5	112.9	27.82	18.92	56.58	56.29	56.83	97.8	0.24	13.86
10/29/2021 15:00	4.1	251.1	90.8	12.27	57.33	56.83	57.65	98.4	0.27	13.86
10/29/2021 16:00	4.5	60.29	28.77	12.6	57.45	57.2	57.73	98.9	0.2	13.86
10/29/2021 17:00	4.6	66.39	27.57	11.08	57.24	57	57.39	98.6	0.14	13.86
10/29/2021 18:00	2.9	51.78	37.18	8.93	56.73	56.47	57	98.5	0.07	13.69
10/29/2021 19:00	2.8	29.23	39.96	8.43	56.01	55.54	56.48	98.7	0.01	13.55
10/29/2021 20:00	1.9	23.47	30.21	7.969	55.45	55.34	55.58	98.6	0	13.44
10/29/2021 21:00	1.7	352.7	23.41	6.504	55.18	55.12	55.38	98.2	0	13.33
10/29/2021 22:00	1.6	329.5	10.69	4.855	55.15	55.12	55.21	98.1	0	13.24
10/29/2021 23:00	2.3	326.9	13.61	4.488	55.02	54.69	55.22	97.8	0	13.15
10/30/2021 0:00	2.0	338.2	16.13	4.488	54.42	54.13	54.72	97.9	0	13.07
10/30/2021 1:00	0.1	349.6	7.95	2.656	54.05	53.97	54.15	97.9	0	12.99
10/30/2021 2:00	0.2	305.6	4.605	3.71	53.92	53.74	54.13	98.2	0.01	12.96
10/30/2021 3:00	0.0	0	0	0	53.74	53.68	53.86	98.3	0.01	12.96
10/30/2021 4:00	0.0	0	0	0	53.8	53.66	53.94	98.8	0.02	12.96
10/30/2021 5:00	0.0	0	0	0	53.83	53.71	53.92	99	0.01	12.95
10/30/2021 6:00	0.0	0	0	0	54.13	53.89	54.36	99.2	0	12.94
10/30/2021 7:00	0.0	173.5	7.497	3.252	54.82	54.3	55.19	99.4	0	12.92
10/30/2021 8:00	3.4	185.3	24.59	10.08	55.33	55.16	55.52	98.5	0	12.9
10/30/2021 9:00	3.5	179.3	26.22	9.57	55.33	55.21	55.51	96.6	0	12.9
10/30/2021 10:00	4.5	179	30.28	11.04	55.51	55.25	56.1	92.8	0	13.85
10/30/2021 11:00	4.2	180.1	30.85	10.44	56.1	55.44	57.36	86.8	0	13.83
10/30/2021 12:00	3.5	182	37.5	8.93	59.54	56.5	61.8	77.36	0	13.76
10/30/2021 13:00	5.0	175.6	34.75	13.51	61.45	60.57	62.39	67.65	0	13.73
10/30/2021 14:00	4.6	172.8	34.04	10.67	61.05	59.99	62.29	67.52	0	13.73
10/30/2021 15:00	5.2	162.9	31.27	11.86	59.72	59.36	60.48	69.45	0	13.73
10/30/2021 16:00	4.1	171.2	31.79	11.5	59.61	59.01	60.55	68.77	0	13.74

10/30/2021 17:00	4.1	180.3	30.93	11.86	60.57	59.99	61.83	65.49	0	13.74
10/30/2021 18:00	2.0	178.3	33.08	6.595	60.13	59.3	61.68	68.58	0	13.69
10/30/2021 19:00	1.1	145.1	35.64	4.443	58.62	57.85	59.33	74.27	0	13.53
10/30/2021 20:00	0.9	228.7	47.9	4.717	57.59	57.2	58.1	78.62	0	13.41
10/30/2021 21:00	2.4	263.7	16.56	5.359	57.43	56.61	58.15	78.32	0	13.31
10/30/2021 22:00	1.6	259.2	13.7	6.229	56.34	55.97	56.65	81.2	0	13.21
10/30/2021 23:00	2.1	260.1	19.45	5.817	55.4	54.88	56.01	82.7	0	13.13
10/31/2021 0:00	2.3	262.6	17.27	5.679	53.95	52.72	54.9	88	0	13.05
10/31/2021 1:00	1.4	330.8	42.35	4.488	52.05	51.2	52.73	94.8	0	12.98
10/31/2021 2:00	0.7	340.5	38.83	2.794	51.49	50.53	52.14	97.2	0	12.95
10/31/2021 3:00	0.9	251.7	18.64	4.672	51.37	50.55	52.15	98.4	0	12.95
10/31/2021 4:00	2.2	247.9	18.13	6.046	52.18	51.79	52.33	97.5	0	12.96
10/31/2021 5:00	2.3	274.5	31.2	7.145	51.51	50.9	52.34	97.5	0	12.95
10/31/2021 6:00	1.1	241	27.24	2.84	51.26	50.57	52.03	96.5	0	12.93
10/31/2021 7:00	1.5	253.2	22.99	3.801	50.8	50.54	51.04	97.7	0	12.91
10/31/2021 8:00	2.4	246.3	22.5	6.183	50.87	50.7	51.05	98.3	0	12.89
10/31/2021 9:00	2.9	266.6	18.29	6.458	51.56	51.03	52.44	98.4	0	12.98
10/31/2021 10:00	3.4	263.5	25.08	9.66	55.01	52.39	57.61	90.8	0	13.88
10/31/2021 11:00	3.5	268.3	26.54	9.62	56.46	55.66	57.91	85.6	0	13.85
10/31/2021 12:00	5.8	283.6	22.97	15.98	60.96	57.91	64.29	74.39	0	13.77
10/31/2021 13:00	8.7	291.4	21.29	17.82	64.08	63.26	65.16	64.21	0	13.74
10/31/2021 14:00	10.3	294.7	21.41	21.57	61.54	59.52	64.7	63.74	0	13.73
10/31/2021 15:00	10.3	301.6	20.96	19.19	64.06	63.28	65.65	54.41	0	13.74
10/31/2021 16:00	10.0	312.8	19.3	20.79	64.9	63.6	66.35	52.2	0	13.7
10/31/2021 17:00	10.0	305.8	17.06	18.87	62.85	62.19	63.58	56.62	0	13.7
10/31/2021 18:00	8.4	307.4	15.43	19.51	60.98	59.34	62.8	59.94	0	13.7
10/31/2021 19:00	8.4	308.7	12.69	15.66	58.5	57.81	59.34	65.82	0	13.54
10/31/2021 20:00	6.3	309	17.46	15.8	56.98	56.16	57.8	68.46	0	13.42
10/31/2021 21:00	5.9	312.8	17.21	12.96	55.35	54.59	56.38	72.06	0	13.32
10/31/2021 22:00	4.9	297.3	13.84	9.85	54.53	54.24	54.78	73.13	0	13.23
10/31/2021 23:00	5.0	299.9	14.45	11.27	54.06	53.73	54.45	72.13	0	13.14